
Biofeedback

*Biological Sciences Division
Special Libraries Association*

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Chair's Report

Patricia B. Yocum

It's hard to believe my year as Division Chair is nearly over. Working with so many talented people has clearly been the highlight! During this year nearly fifty Division members have served as officers and committee and task force members, supported behind-the-scenes by many others.

The results of this work are visible broadly and will be detailed when excerpts from the Division Annual Report appear in the next *Biofeedback*. Already evident are the energy and creativity invested in organizing programs for the Annual Conference in Montreal. Elsewhere in this issue is an agenda of Division activities. I think you will find the sessions enriching and reflective of the broad sweep and fundamental unity of the life sciences. Sessions have been geared to keep you current with developments in the field while underscoring the massive changes affecting us. Central to the planning has been the notion that collaborative efforts are needed if we as a profession are to survive.

It is thus more than passing concern to witness efforts to organize yet another science division, this time a medical division, within SLA. Regardless of how well-intentioned such a move might be, likely results will be negative for BIO. Founded 60 years ago, BIO typically enrolls nearly 700 people, of whom more than 44% are medical librarians, individuals who work in academic, hospital, corporate, and other institutional settings. Division programming at annual conference regularly offers sessions of interest to this group, and medical librarians play key roles on BIO committees and task forces. Two of the last four Division Chairs have been medical librarians and the incoming Chair is the medical librarian of record at her home institution.

I assure you the discovery of efforts to create a medical division

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came as a surprise to us all. BIO has no history of internal discord, no record of unrequited specialized interests and no presence of rump caucuses. Evaluations of Division activity have been consistently positive overall and the renewal rate among medical librarians has been high. Prior to the news, BIO received no inquiries from medical division organizers regarding BIO's scope, membership, or interest in accommodating a special focus. This is disquieting. BIO has a good record of responding to member needs, regularly collaborates with other divisions, is a continuing co-sponsor of inter-divisional roundtables, and endorsed the creation of the Natural History Caucus, whose activities it continues to support.

What is most disturbing in the situation is the prospect of fractionalization. If there is a medical division what will distinguish its scope from that of BIO? Will BIO's medical librarians migrate to a new division? What size will each division be? (A new division can be started with only 100 members.) Will each division compete for the same officers? committees? programs? Will vendors increase their financial support so that each division is funded at BIO's current level or will funding remain static but be divided into smaller portions? This latter question, of course, affects not only BIO but other SLA divisions at a time when operating costs, especially costs of conference programming, are increasing rapidly.

No one needs belabor the fact that our profession is under duress. The unprecedented changes swirling around us hold the potential to sweep our field away. Those same changes also hold the possibility of propelling us forward into new and rewarding spheres. I firmly believe our chances of a happy outcome rest squarely in our capacity to shape our goals, meld our efforts and move forward together. More than ever we need to pool our energies, not dissipate them. More than ever we need to share, not to constrain, our creative ideas. More than ever we need to build upon our commonalities rather than highlight narrow differences. There is strength in numbers. Let's preserve it and use it for the truly critical challenges we face.

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50-Year Members Celebrated

Jack Cooper

In celebrating its 60th anniversary, the Biological Sciences Division is honoring six women who been members continuously for more than 50 years. Three of them have been members for 58 years. We are proud to recognize their records of constancy and support.

FRANCES BECKWITH, Milwaukee, WI (member since 1937), received her library degree from Drexel University. Before World War II she served as librarian for the U.S. Forest Service, North Central Region, in Milwaukee. During the war she was Communications Officer in the Navy. Afterwards, she worked as a librarian for the North Central Branch of U.S. Department of Agriculture and then as librarian for the Marquette School of Medicine, Milwaukee, from 1953 until her retirement. A member of both SLA and the Medical Library Association (MLA), she has been very active in the Wisconsin Chapter of SLA, serving as Program Chair, Vice-President, and President.

DORIS BOLEF, Oak Park, IL (member since 1945), first held a position in a health-related library in 1945 and, except for two breaks of one year each, has worked continuously in that field. At present, she is Director, Rush University and Medical Center Library in Chicago. As an SLA member, she has been Chair, Director, and Secretary-Treasurer of the Biological Sciences Division, Chair of the Hospital Division in 1952, and has held offices in various chapters. She has published extensively, including two articles in *Special Libraries*, and has been the book review editor of the *Bulletin of the Medical Library Association* since 1984. Her travels have taken her through Europe and Israel.

ESTELLE BRODMAN, Hightstown, NJ (member since 1937), received her Ph.D. in the History of Medicine from Columbia University. During her career she has served as professor, librarian, consultant, and journal editor. As a librarian, she worked at Cornell University Nursing School, Columbia University Medical Library, National Library of Medicine, and the Washington University School of Medicine, St. Louis. She has been very active in MLA, receiving numerous awards for distinguished achievement. In SLA, she is an Honorary Fellow and served as Director, 1949-1952. She received SLA's John Cotton Dana Award in 1981. Among her many publications, she is author of the book, *Development of Medical Bibliography*, 1954.

HELEN CAMPBELL, Speedway, IN (member since 1937), retired from the Indiana University School of Dentistry Library in 1980 with the rank of Librarian Emeritus and Associate Professor of Dental Literature. During a career that focused on academic librarianship, she spent five years at the Bloomington Campus of Indiana University and 25 years at the IU School of Dentistry. She was active in the Indiana Chapter of SLA, as well as the Dental Library Group of MLA. Elected to Honorary Membership in the IU School of Dentistry Alumni Association in 1973, she also received the John H. Moriarty Award for Distinguished Librarianship from the Indiana Chapter, SLA.

JOYCE MARSON, Los Angeles, CA (member since 1944), received her undergraduate and graduate degrees from the University of Southern California. She has been Director of the Medical Library, White Memorial Medical Center, Los Angeles, since 1966. Prior to that, she worked in a number of positions in the library of the Los Angeles Division of Loma Linda University. She has been active in the Medical Library Group of Southern California and Arizona, MLA, the Christian Librarians Association, and SLA. In the 1940's, she served as Chair of the Biological Science Division, Southern California Chapter, SLA. An avid traveler, she has visited 50 countries around the world.

HARRIETT STEUERNAGEL, Clayton, MO (member since 1945), was at the library of the Washington University School of Dental Medicine, St. Louis, from 1946-1981. On retirement, she was named Librarian Emeritus and Associate Professor Emeritus. Today, she remains active in the library and continues as a

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volunteer. The library was named in her honor in 1988, the same year she received the Faculty Service Award. Among her many library-related activities has been service as Chair of the Greater St. Louis Chapter of SLA. That chapter honored her on her retirement in 1981, and the Medical Library Association gave her its Fellowship Award in 1994. Her publications have been on early medical journals in St. Louis.

A Votre Santé

National health information networks, medical research in cyberspace, media dissemination of health news for the consumer--these topics are à la carte for the Biological Sciences Division's *A Votre Santé* program.

On Monday, June 12, join invited speakers for presentation and discussion of diverse perspectives on health care information in cyberspace. Michael Pluscauskas, a consultant with Industry Canada, will discuss HealthNet and other national initiatives relating to health information on the Internet. Howard Schwartz, local and national TV newsman and reporter, will discuss the role of the media in medical reporting, how it creates and disseminates health information for the layperson in the information age. Dr. Abraham Fuks, incoming Dean, Faculty of Medicine, McGill University, will share with us a medical researcher's views of navigating the 'Net' for relevant information.

Come join us as these distinguished speakers present intriguing ideas and fresh perspectives for the virtual era.

Tour to Ottawa

Come visit CISTI and Canada's National Museum of Science and Technology. This one-day visit to Ottawa, Canada's capital, is sponsored by the SLA Science-Technology and Biological Sciences Divisions and by CISTI, the Canada Institute for Scientific and Technical Information. The tour will be of special interest to librarians who work in the sci-tech or medical information fields.

Ottawa is a 2-hour drive from Montreal. The bus will leave from the Queen Elizabeth Hotel (Mansfield Street entrance) at 8:30 a.m. and return by 5:30 p.m. the same day. The day includes:

- a visit to CISTI, North America's largest sci/tech and medical information centre
- lunch at CISTI
- a drive past the Parliament buildings in downtown Ottawa
- a visit to Canada's National Museum of Science and Technology

The tour will take place on Thursday, June 15th, and the cost is \$15 (U.S.).

To reserve a place, contact Patricia Horne, by email (pattyh@cs.cmu.edu), phone (412-268-6107), or fax (412-681-1998) by May 30th. Once your reservation has been confirmed your check should be sent to Jean Z. Piety, 2021 Staunton Rd., Cleveland Heights, OH 44118-2643. *Do not send a check until you have confirmation from Patricia Horne.* Tickets can be picked up at the CISTI booth at the SLA Annual Conference exhibits in Montreal, June 11-14. If any tickets are still available after the reservation deadline, they can be purchased at the booth. Sorry, but ticket refunds will not be available.

This tour is limited to 45 people. Further information is available from Elizabeth Katz, CISTI, at elizabeth.katz@nrc or by calling 800-668-1222.

Please note that there are a couple of changes from the early version reported in Biofeedback: the tour is available for any SLA member, not just BSD and Sci-Tech members, and the price has been changed to \$15.00 (still the best bargain in town!).

CE Course: Gene Sequence Databases

The Biological Sciences Division is offering an all day, "hands-on" CE course on gene sequence databases. The course will be taught by Dr. Kerry Brandt of Johns Hopkins University. The class will be held at McGill University on Saturday, June 10th from 9 a.m. to 4 p.m. The class will have an opportunity to learn sequence searching as well as to explore molecular and genetic databases on the Internet. This course is designed for both the novice and intermediate user. The class promises to be of high value to anyone interested in life sciences librarianship. Seating is limited to 30, so register today to reserve your seat!

Webbed for Life: Biology on the World Wide Web

The World Wide Web has become an important tool utilizing hypertext to connect information sources and users around the world. Be sure to attend the program "Webbed for Life: Biology on the World Wide Web" at the Annual Conference, Tuesday, June 13, from 1:30 p.m. to 4:15 p.m. This session will focus on the various types of biological information that can be found on the Web and how that information is being used by librarians, researchers and professors. Speakers will emphasize resources on biological diversity, the natural environment, and health sciences, as well as ways in which the WWW is being used as a teaching and publishing tool.

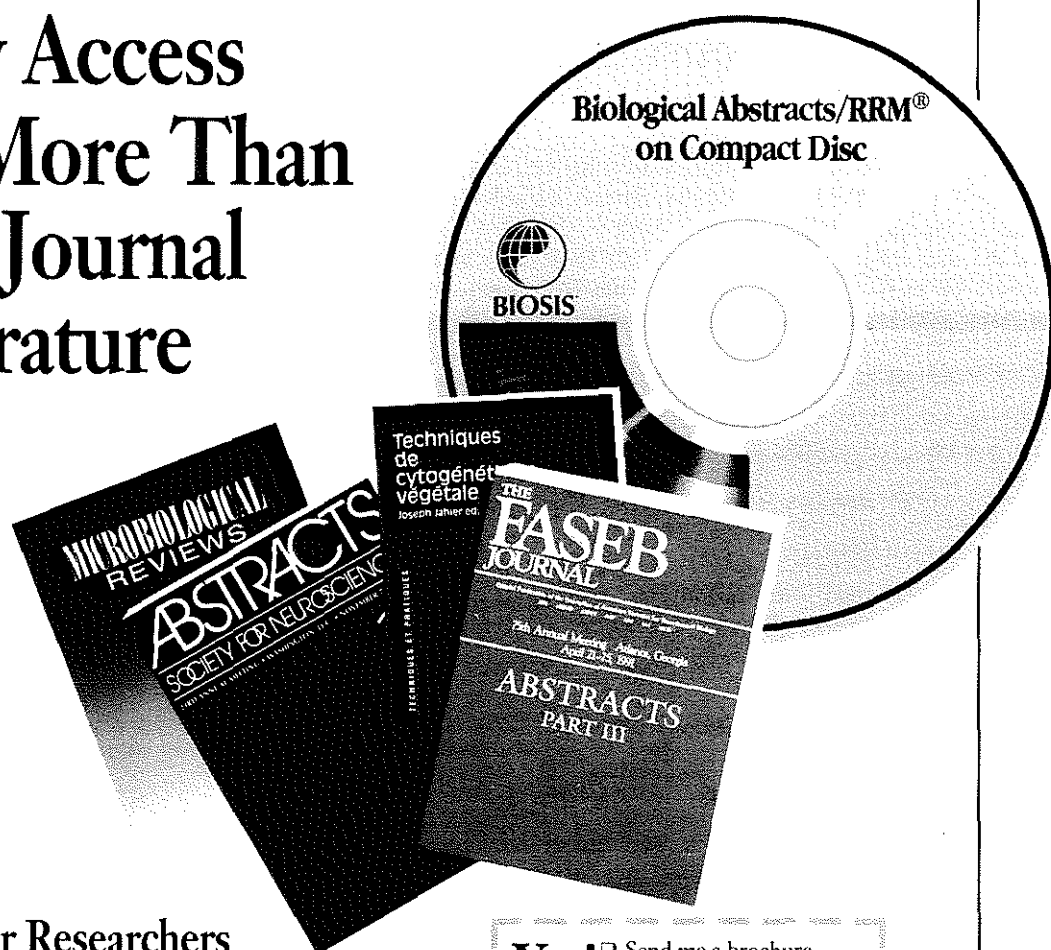
Martin K. Kalfatovic, the Information Access Coordinator for the Smithsonian Institution Libraries, will focus his talk upon biodiversity resources available on the WWW. William D. Graziadei, Professor of Biological Sciences at SUNY Plattsburgh will explain his innovative use of the WWW and CU-SeeMe as teaching and authoring tools. Anne Marie Malley, Coordinator of the Biodiversity Resource Center at the California Academy of Sciences, will highlight her experiences in providing public access to WWW resources on the natural environment. Diane Kovacs, Assistant Professor and Reference Librarian at Kent State University and editor of the Directory of Scholarly Electronic Conferences, will explore the variety of health science resources on the Web. The session will be moderated by Patricia Yocum, Reference Librarian, University of Michigan Science Library, and Biological Sciences Division Chair.

New Frog Species Named in Honor of Librarians

Eleutherodactylus librarius is a newly described species of leptodactylid frog from the lowland rainforests of Amazonian Ecuador. In the *Journal of Herpetology* (v. 28, no. 4 (1994), pp. 416-424), authors Glenn Flores and Gregory O. Vigle write that they have named this species of *Eleutherodactylus* in honor of the second author's father, the late John B. Vigle, lifetime academic librarian. "It also pays tribute to all librarians for their facilitation of the study and cataloging of the natural world" (p. 422). Thanks to Fred E. Lohrer, Librarian at the Archbold Biological Station, Lake Placid, FL, for bringing this to our attention.



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Report on the Great Lakes Regional Conference

Marianne Doherty

The Biological Sciences Division sponsored a session at the SLA Great Lakes Regional Conference III held in Chicago, March 22-25, 1995. The session was moderated by Division members and American Medical Association librarians Anne Michalski and Lorri Zipperer. Four speakers covered a broad range of topics under the theme of *Dilemmas and Decisions in the Health Care Environment*.

Lynn E. Jensen (American Medical Association) presented the history and present-day policy making process of a large association and the effects of this process on its own membership and on the entire citizenry of the United States. Lynn gave the conferees a much greater appreciation for how and why such issues and guidelines take so long to be finalized and for the amount of input and feedback that goes into the process.

Eric S. Freibrun (Marcus, Steer, & Freibrun) discussed legal issues in the health care environment with using the Internet. After enumerating several areas that have been under "attack" by the press and the public and how/what effects might be on the healthcare professional, i.e. the Virtual Hospital, the Visible Man, the Electronic Clinical Chart, he added legal perspectives as to what and who will "police"/"control" the transmittal of these kinds of information resources in the future and issues that must be addressed by government and legal bodies, and even more importantly by us all to balance the rights of ownership with free access, and individual privacy vs. the common good.

Ann C. Weller (Deputy Director, University of Illinois Library of the Health Sciences) followed with a thoughtful discourse on ethics and serials publications and if there is a role for the informational profession in this process. After elaborating on some examples, e.g. plagiarism (and worse) from authors, confidentiality slip-ups from editors, bias from reviewers, advertiser pressure for publishers, etc., she made a compelling case for doing so by showing there are holes that needs to be plugged and the library profession can aid in the solution.

The last speaker, Jean M. Demas (Library of Rush University) covered the subject of complementary medicine (otherwise known as alternative treatment methods). After explaining the needs for, the legitimacy of, and the costs for these kinds of care, Jean went on to show how the information profession is aiding the healthcare workers and community in general to find these resources and use them most effectively.

The last two speakers compiled selected lists of references on their topics that might be of interest to others.

Transformation and Revolutions

Be sure to attend *Transformation and Revolutions: Metamorphosis in the Science Library*, June 12, 10:30 a.m.-11:45 a.m., at the Annual Conference. Sponsored by BIO and by the Library Management Division, this program could be called part two of last year's Library Management-sponsored program of the same name, which concerned the fast-changing environment of libraries, requiring us to move from counting transactions to managing transformations. This year our speakers will further develop this theme, emphasizing how science librarians take advantage of change to benefit themselves and their users and how they meet the challenges in doing this. Stephen Abram of Micromedia, Ltd. will set the scene for us as he did last year. Susan Klimley of Columbia University will speak of her experiences as a risk-taker in taking the initiative to harness new technology. Richard Sweeney, Vice Provost for Library and Information Services at Polytechnic University, will look at transformations from the perspective of a library administrator.

Book Reviews

American Women Afield: Writings by Pioneering Women Naturalists

edited by Marcia Myers Bonta. College Station: Texas A&M University Press, 1995. 248 pp. ISBN 0-89096-633-8. \$35.00

American Women Afield is a collection of writings by 25 female naturalists from the 19th and early 20th centuries, along with short biographies provided by Marcia Myers Bonta. Bonta discovered these writings while doing biographical research for her book, *Women in the Field: America's Pioneering Women Naturalists*, and decided that people would enjoy the actual writings as well as biographies.

The biographies are very informative, covering each woman's family history, education, and career as a naturalist. It is interesting to note the diversity of backgrounds that led to the common love of nature and the urge to write about it. As Katharine Dooris Sharp wrote, "she will do it because she was born to do it; because within her is the heaven-imparted kinship with Nature which is the open sesame to that kingdom of delight. But she will do it under difficulties."

The writings show natural history at its best. During the time these women were alive natural history had become a popular pursuit. Most of the selections are in an easy to read style. Beyond this, the editor has carefully chosen selections and writers that are interesting. All the selections are characterized by careful descriptions of interesting specimens, plant and animal, or extraordinary locations. Many of these meticulous observations retain their validity to the present time, e.g. the song sparrow behavior studied by Margaret Morse Nice, the aphid descriptions of Edith Patch, or the grasses described by Agnes Chase.

Several of the women expressed concern about conservation issues long before public awareness of environmental problems. Susan Fenimore Cooper warned of the misuse of natural resources in 1850; Margaret Morse Nice decried the destruction of songbird habitat; E. Lucy Braun worked to conserve eastern deciduous forests; and of course Rachel Carson fought against pesticide use.

Each author manages to draw you into her "world."

Spiders, wasps, aphids, and other insects become quite fascinating, even for the casual reader. Anna Botsford Comstock wrote about *Pantographa limata*, "he was as interesting as a harlequin in his vivid costume of black and green. The black face was made grotesque by ten little eyes of assorted sizes, placed in circles, each one shining like an opal. His black legs were adorned at the joints with what a costumer would call 'slashes' that revealed a lining of green; on the segment nearest the body the black band was cut into gay points." You feel the grandeur of forests we will never see again when E. Lucy Braun writes, "mountain magnolia and oil-nut, with here and there a mass of mountain laurel, are grouped with such perfection of design as only the Master Hand could plan. And all between are beds of ferns." Her words provide an enlightening lesson on the need to conserve our forests and protect the environment. The passion that all these women felt about their chosen subjects comes through in all their writings.

Although most names in this book are not well known, some of the women communicated with well known scientists of their day: Mary Treat corresponded with Charles Darwin, about bladderworts among other things. Others had well respected scientists as their mentors: Graceana Lewis was encouraged by John Cassin, Curator of Birds at the Academy of Natural Sciences in Philadelphia. And some became the first female member of various scientific societies: Florence Merriam Bailey was the first woman member of the newly founded American Ornithologists' Union.

Each chapter includes a "Further Reading" section which lists writings by the author of that chapter. Unfortunately, these are only partial listings; a complete bibliography of each woman is highly desirable. There is a "Selected Bibliography" at the end of the book, but again, one wishes for a more comprehensive list.

This book is a fine addition to any collection, and an absolute requirement for any collection on natural history. Furthermore, it would be an asset to a women's studies or history collection, and even a public library collection.

Margaret Henderson, Cold Spring Harbor Laboratory

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Biochemistry.

by Donald Voet and Judith G. Voet
2nd ed. New York: John Wiley and Sons, 1995.
1361 pp. ISBN: 0-471-58651-X. \$76.95

Audience: Undergraduate and graduate students with a year of basic chemistry, general biology, and at least one semester of organic chemistry; professors of biochemistry.

Knowledge in the field of biochemistry has been expanding so rapidly that any synthesis of it into one huge tome might seem virtually unachievable to a prospective author, and well might loom overwhelming to the intended reader/student hoping to grasp and master the subject. The Voets recognize both problems, and admirably address them in this second edition of *Biochemistry*.

In their preface to the first edition, the Voets mentioned several themes that they hoped the work would emphasize. At least one of these themes permeates this new edition: that biochemistry is a dynamic body of knowledge compiled by real people who are trying to solve real puzzles through experimentation. Accounts of the tenacity and optimism of the major contributors to the field enliven the text; descriptions and explanations of their approaches to problem solving underscore the critical thinking required to succeed in the sciences, as does a chapter section on how to conduct a literature search and how to read a research paper.

This second edition is organized into the same five parts as the earlier one: Introduction and Background, Biomolecules, Mechanisms of Enzyme Action, Metabolism, and Transmission of Genetic Information. There is some discontinuity: lipids, for example, are defined in chapter 11, but lipid metabolism isn't dealt with until chapter 23; glycoproteins likewise are discussed in chapters 10 and 21. However, liberal forward and backward cross-referencing helps the reader connect concepts. Several chapters have been greatly expanded and updated: the chapter on three-dimensional protein structures includes new material on NMR spectroscopy; the chapter on eukaryotic gene expression is much larger, dealing in more depth with DNA replication, for instance; and the last chapter, on molecular physiology, has a wealth of new illustrations. The illustrations, in fact, are a major

attraction of this textbook. Virtually every page has striking, well-labeled drawings and state-of-the-art graphics that elegantly demonstrate the technology or clarify the subject at hand.

The textbook is also accompanied by several materials that I have not seen but which are described in the preface: a *Solutions Manual*, containing detailed solutions for all of the text's problems at the end of each chapter (\$31.95); a CD-ROM containing all the illustrations, which can be used for projection on screen or to print transparencies, available to professors who adopt the text; and a diskette containing computer animated color images of selected proteins and nucleic acids that the student can manipulate in three dimensions, using KINEMAGES software, available for about \$10. In addition, the authors intend to publish annual supplements to *Biochemistry*, 80 pages each, available individually or by subscription for a nominal charge.

The tone of this textbook is friendly and appropriate for college-level and over. The text is dense, but only in the sense that a great deal of information is packed into concise sentences. The added illustrations, the expanded and updated text, and the currency of the references at the end of each chapter all justify acquiring this new edition. I believe *Biochemistry* will provide undergraduate and graduate students with a thorough grounding in biochemistry, and can be a text that they will return to for review of basic concepts and laboratory techniques.

Judy Blaine, Procept, Inc.

Bugs in the System: Insects and Their Impact on Human Affairs.

by May R. Berenbaum. Menlo Park, CA:
Addison-Wesley, 1994. 377 p. ISBN 0-201-62499-0.
\$25.00

This is no ordinary book on bugs and their impact on our lives. The author, a world renowned entomologist, is obviously fascinated with her subjects and wants the reader to be so too. The material included is a mixture of serious scientific information and humor, which ranges from the historical to the hysterical. Take for example her choice of chapter titles, such as the first chapter, "Classification and Nomenclature (A Rose-Charfer by any Other Name...)" or the seventh, "Parasites and Hosts" with the 1st section called "Insects Parasitic on Humans (What's

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Eating You?)." The author used numerous resources for her research including her librarian mother and father who "served as my personal article clipping service for over 20 years; no reference to insects, no matter how obscure, was overlooked."

Now you're probably thinking that a book that is this much fun can't be above middle school level. Wrong! This is definitely a college-level text. There are lists of references at the end of each chapter for each section of that chapter. The topics covered include classification, physiology, behavior, life-style, legal concerns regarding insects, etc. The last chapter, entitled "Equal Time (The Insect Perspective)," though short, contains very interesting environmental research with references as late as 1993. Even though it is not a standard reference book it might serve that purpose for some collections. The index is 14 pages long which is quite thorough for a book that totals 377 pages. I highly recommend this book.

Patricia Morris, University of Arizona

Eros and Evolution

by Richard E. Michod. Reading MA: Addison-Wesley, 1995. 241 pp. ISBN 0-2104-0754-X. \$25.00

On the surface, sex doesn't really make much sense as a reproductive strategy. It drains an organism's time, energy and resources; it requires intimate contact, exposing the organism to risk of infection by various microorganisms; it limits a species' reproductive potential; and so on. Yet it is widespread throughout the living world. Since Darwin, evolutionary biologists have been trying to explain this paradox, unsuccessfully, according to Richard Michod, Professor of Ecology and Evolutionary theory at the University of Arizona. *Eros and Evolution* is his contribution to the dialogue.

Almost anyone who has taken an undergraduate biology class can remember being taught that sex functions to produce a more diverse, better-adapted population than can asexual reproduction. If that were true, Professor Michod asks, why does sex undo what it creates? Why does sex produce a successful new combination of genes only to break it apart in the next generation? His conclusion is that variation is only a side-effect of sex and not its central evolutionary purpose. Sex's true purpose, he says, is to maintain the well-being of a population's gene

pool by overcoming the unfavorable mutations and environmental damage that threaten the gene pool. Sex is really for genes, and not for us. The risks to the individual in sexual reproduction are the necessary cost of maintaining the continuity and immortality of life.

This is an unusual book, speaking to lay-readers and scientists alike. Michod draws inspiration from sources as diverse as Plato's *Symposium* to Darwin's *On The Origin of Species*. Declaring that most practicing biologists prefer to leave philosophical rumination to philosophers of biology, Michod appears to be a biologist of another sort. Although solidly grounded, much of his discussion ventures into a fascinating region where science and cosmology intersect. His arguments are a skilled combination of scientific rigor, and intuitive, often elegant representation. Even so, lay readers may find parts of this book tough going. The discussion of Darwinian dynamics, for instance, would probably leave almost anyone's head spinning, save an evolutionary biologist or a population geneticist. Fortunately for the general reader, much of the high-level discussion has been relegated to the chapter notes. There is an impressive bibliography for those who wish to delve more deeply.

Chris Peil, Khepri Pharmaceuticals, Inc.

Pacific Coast Crabs and Shrimps

by Gregory C. Jensen. Monterey, Calif.: Sea Challengers, 1995. 87 pp. ISBN 0-930118-20-0 (pbk.). \$19.95

The species diversity of invertebrates along the west coast the U.S. and Mexico is well known and often celebrated. This little volume on crabs and shrimps is a wonderful addition to the literature on this subject.

There are 163 species covered in 168 color photographs. Each species included has a description of its physical characteristics as well as information on geographical range, habitat, and known associates. The text is minimal but concentrates on descriptions of orders and families of crabs and shrimps, accompanied by explanatory drawings. There is also a short glossary, a list of selected references, and a species checklist.

This colorful volume, along with *Light's Manual* and

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Between Pacific Tides, is a good field guide for divers and students. It is not, however, all inclusive. Small, rarely seen species are not discussed. Nevertheless, the coverage is quite broad and the photographs are clear, with the subject always properly centered and focused.

Paula Wolfe, University of Wyoming, Science Library

San Francisco Bay Shoreline Guide

edited by Rasa Gustaitis; writing and research, text and maps by Jerry Emory. Berkeley: University of California Press, 1995. 192 pp. ISBN 0-520-08878-6 (pbk.). \$14.95

The *San Francisco Bay Shoreline Guide* is another in the California State Coastal Conservancy series that includes the *California Coastal Access Guide* and the *California Coastal Resource Guide*. This book covers the Bay Trail along 400 miles of the San Francisco Bay shoreline. The trail stretches from San Jose east to Martinez and north to Petaluma. It is still under construction, with 170 miles presently open to the public.

There are over 350 photographs and 14 color maps. The photographs range from animal species of local interest, general overviews of trails, and pictures that provide historical context. The photographs give one a nice introduction to the history of the area as well as an introduction to the mammals and birds found in the region. In addition, there are descriptive trail labels for each area with a chart of the activities and facilities available, such as hiking, biking, disability access, etc. Insets, which provide a variety of information such as important phone numbers for transit, museums, parks, and visitors' bureaus, are a nice feature.

There are two small problems with the guide. Firstly, a few of the proposed routes have changed. Secondly, trail maps for each site also show "other trails," but these are incomplete. Anyone wishing complete trail maps should check with local sports shops or the U.S. Geological Survey topographic maps. Overall though, this a useful guide.

Paula Wolfe, University of Wyoming, Science Library

The Sand Dollar and the Slide Rule: Drawing Blueprints from Nature.

by Delta Willis. Reading, MA: Addison-Wesley, 1995. 234 pp. ISBN: 0-201-63275-6. \$23.00

Delta Willis is an observer of nature in her photography, previously published articles, two books on human evolution place in Africa, and in her current book on biomechanics and construction morphology/morphodynamics. The reader is introduced to the interdisciplinary research of engineering science, physiology, architecture, and biology and to very personal profiles of D'Arcy Thompson and Buckminster Fuller, returning to them through the book. A host of other players in biomechanics research are introduced: Peter Allen, Stephen Wainwright, Jeremy Rayner, Leonardo da Vinci, and Paul MacCready.

The structure of trees was intended to be the metaphor for the book; branches of trees resemble cantilevers in Frank Lloyd Wright structures, and the architecture of trees is an adaptive response to environmental stress and to the loads they must carry. Instead, she introduces the biomechanics of trees but prefers to return throughout the book to the metaphor of sand dollar biomechanics and its economy of structure. She explains the mathematical regularity of nature in the frequency of sound, number of flower petals, and mathematical relationships in the golden mean and introduces the reader to biological structures as models for our built environment and newly developed smart materials from materials science disciplines.

Delta Willis is a protegee of Stephen Jay Gould and has followed his example by making the presentation very readable and an asset to a natural history collection.

Judy Buys, National Biological Service, Southern Science Center Research Library

Books Received

Addiction Psychiatry: Current Diagnosis and Treatment. Norman S. Miller. Wiley-Liss, 1995. 300 p. ISBN 0-471-56201-7. \$54.95

Basic Animal Nutrition and Feeding. W.G. Pond, D.C. Church, K.R. Pond, eds. 4th ed. Wiley, 1995. 615 p. ISBN 0-471-30864-1 (pbk.). \$64.95

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Brain Asymmetry. Richard J. Davidson and Kenneth Hugdahl, eds. MIT Press, 1995. 735 p. ISBN 0-262-04144-8. \$75.00

Darwinism Evolving: Systems Dynamics and the Genealogy of Natural Selection. David J. Depew and Bruce H. Weber. MIT Press, 1995. 588 p. ISBN 0-262-04145-6. \$49.95

Dialogues on Perception. Bela Julesz. MIT Press, 1995. 276 p. + 1 stereopticon. ISBN 0-262-10052-5. \$49.95

The Greening of Canada: Federal Institutions and Decisions. G. Bruce Doern and Thomas Conway. University of Toronto Press, 1994. 297 p. ISBN 0-8020-7599-1 (pbk.). \$19.95

LabTutor: A Friendly Guide to Computer Interfacing and LabView Programming. John K. Eaton and Laura Eaton. Oxford University Press, 1995. 168 p. ISBN 0-19-509162-0 (pbk.).

Learning Biochemistry: 100 Case Oriented Problems. Richard F. Ludueña. Wiley-Liss, 1995. 313 p. ISBN 0-471-01887-2 (pbk.). \$24.95

Losing Ground: American Environmentalism at the Close of the Twentieth Century. Mark Dowie. MIT Press, 1995. 317 p. ISBN 0-262-04147-2. \$25.00

Making Environmental Policy. Daniel J. Fiorino. University of California Press, 1995. 269 p. ISBN 0-520-08918-9 (pbk.). \$15.00

NeuroDynamic: Computer Models for Neurophysiology. W. Otto Friesen, Jonathon A. Friesen. Oxford University Press, 1994. 203 p. + 1 computer disk (3 1/2 in.). ISBN 0-19-508282-6. \$29.95

Ocean Enough and Time: Discovering the Waters Around Antarctica. James Gorman. HarperCollins, 1995. 190 p. ISBN 0-06-016620-7. \$25.00

The Particle Garden: Our Universe as Understood by Particle Physicists. Gordon Kane. Addison-Wesley, 1995. 224 p. ISBN 0-201-40780-9. \$22.00

The Prairie Keepers: Secrets of the Grasslands. Marcy Houle. Addison-Wesley, 1995. 266 p. ISBN 0-201-60843-X. \$20.00

Slide Mountain, or the Folly of Owning Nature. Theodore Steinberg. University of California Press, 1995. 212 p. ISBN 0-520-08763-1. \$24.00

Thy Will Be Done: The Conquest of the Amazon: Nelson Rockefeller and Evangelism in the Age of Oil. Gerard Colby with Charlotte Dennett. HarperCollins, 1995. 960 p. ISBN 0-06-016764-5. \$35.00

Urban Forest Landscapes: Integrating Multidisciplinary Perspectives. Gordon A. Bradley, ed. University of Washington Press, 1995. 224 p. ISBN 0-295-97439-7 (pbk.). \$20.00

With Broadax and Firebrand: The Destruction of the Brazilian Atlantic Forest. Warren Dean. University of California Press, 1995. 482 p. ISBN 0-520-08775-5. \$38.00

Canada Customs Information

This June you will have the opportunity of experiencing the unique charm of Montreal. Canada's second largest city, the largest francophone city outside of Paris, gives you a taste of Europe without the jet lag. And although it is a separate country, Canada has an open border with the United States.

Therefore, citizens or legal permanent residents of the United States do not require passports or visas and can usually cross the USA-Canada border without difficulty or delay.

However, proof of citizenship is required. This can be provided with a birth certificate plus photo ID or any other document that shows proof of citizenship. A passport is, of course, the best document. Citizens of countries other than the United States should have a passport and a green card. For further information, please contact your nearest Canadian Consulate, or the Canadian Embassy at 1-202-682-1740, prior to departure.

Personal baggage, i.e. clothing, cameras, lap-top personal computers, etc. are exempt from duties and taxes, provided they accompany the delegate and are declared to Canada Customs upon entering Canada. Recently purchased items, such as cameras, tape recorders, etc., should be registered with U.S. Customs before leaving the USA, to prove that they were purchased before entering Canada. This will prevent problems with re-entering the United States.

The Canadian dollar offers tremendous value for shoppers. At the writing of this article, the exchange rate favored the U.S. dollar by nearly 40%. So, if you plan to shop: U.S. residents returning from Canada after more than 48 hours may take back, free of duty, \$400.00 worth of articles for personal or household use, based on fair retail value in Canada. These articles must accompany the individual. (If all or part of this personal exemption has been claimed in the preceding 30 days, visitors are limited to a \$25.00 individual exemption.) For further information, contact the nearest U.S. Customs office, or obtain the "know before you go" brochure from Customs in Washington, D.C.

Prepared by Audrey Martin-Matte of Starber International, Inc., SLA's customs broker for the 1995 Annual Conference, and reprinted, with minor changes, from Food for Thought, v. 26, no. 3 (1995).

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New Member Profiles

Linda Bourgeois

Linda is a librarian at the Hewlett-Packard Library in Fort Collins, CO. She previously was Assistant Librarian at the Colorado Division of Wildlife Research Library, and was Librarian II at Loveland (CO) Public Library, where she implemented a community information database. Linda is also an indexer. She has a degree in geology and environmental sciences from the University of Colorado and will complete her M.L.S. degree in two years.

Tania Daniels

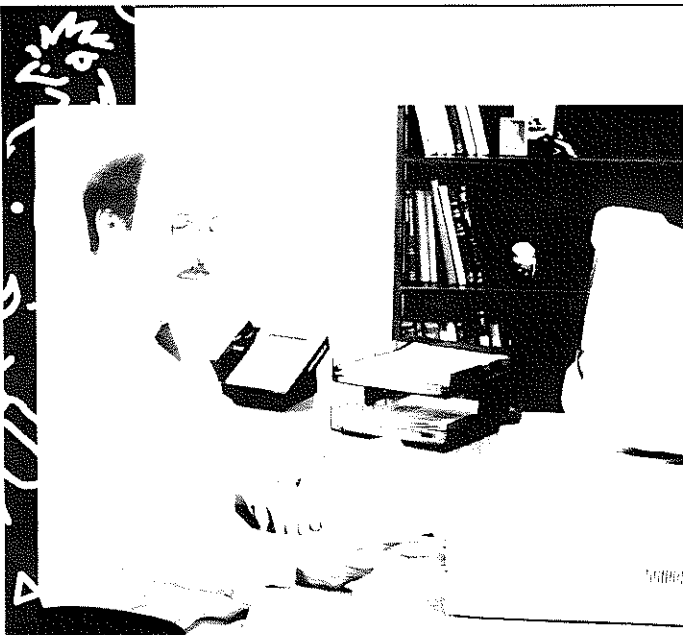
Tania recently joined the Treadwell Library of Massachusetts General Hospital as the Librarian for Knowledge Management Consultant Services. Previous to that, she had seven years of experience as a Clinical Librarian in hospitals in Hartford, CT (St. Francis Hospital and Medical Center & Hartford Hospital) and as a Circuit Librarian at CYPH Medical Center in Plattsburgh, NY. Tania received her B.A. and M.L.S. from the State University of New York at Albany.

Kim Roberts

Kim has recently taken over the library and information services department of AECL, which is a major chemical company in South Africa. Her background is in chemistry and marketing research and she finds the world of information science very exciting and challenging. She is hoping to bring her marketing experience to the job. AECL is developing a major new business in biotechnology and has recently announced its first major fermentation project, lysine.

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SLA BIOLOGICAL SCIENCES DIVISION
MONTREAL PROGRAM, JUNE 1995

The Power of Information: Transforming the World

Saturday, June 10

9:00-4:00 CE Course: Molecular Sequence & Gene Mapping Databases

Sunday, June 11

10:00-12:00 Bienvenue à Montréal! Coffee & cake reception

12:00-2:45 Division Executive Board (1994-95 Board)

12:00-5:00 See what's new: visit the exhibits!

6:00-8:00 Open House

Monday, June 12

7:30-8:45 Annual Division Business meeting - 60th Anniversary Celebration

10:30-11:45 *Transformations & Revolutions: Metamorphosis in the Science Library*

1:30-4:15 *A Bell Jar of Victoriana*

3:00-4:30 Toxicology Roundtable

3:00-6:00 *A Votre Santé! Health Care Information in Cyberspace*

6:00-7:30 Open House

Tuesday, June 13

10:30-11:45 *The Librarian as Internet Navigator*

1:30-4:15 *Webbed for Life: Biology on the World Wide Web*

8:00-10:00 Open House

Wednesday, June 14

7:30-8:45 Division Executive Board (1995-96 Board)

10:30-11:45 Exhibits visits

1:00-3:45 Contributed Papers Session: *Managing Information in the Biological Sciences*

Thursday, June 15

8:30-4:30 Field Trips (choose 1)

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