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# Biofeedback

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Special Libraries Association*

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## Chair's Report

*Patricia B. Yocum*

Autumn typically finds us in full stride in our work lives. Hours are long, days are full, and requests for our services seem endless. We are also busy planning for the future, including planning the particulars of our continuing professional development. Attending conferences is a conspicuous part of that development and requires careful consideration. There is of course the need to budget money to cover expenses. There is also the need to commit a sizable block of time. Indeed, the cost in time for attending meetings has grown perhaps more dear than the financial cost. With so much to learn let alone to create and apply, we can ill afford to spend our time poorly. In selecting which conferences and meetings to attend, we look to those which will give us the greatest value for our time. I hope the Montreal meeting will be one of these.

Division planners -- and there are many! -- have been working on a number of sessions to amplify the conference theme, *The Power of Information: Transforming the World*. So that you may begin making plans for how to continue your professional development in the coming year, here is a brief list of Division sessions to consider. The chief Division planner is also noted.

Saturday, June 10

CE Course: *Molecular Sequence & Gene Mapping Databases*  
Karen Kreizman

Sunday, June 11

Bienvenue à Montréal! Coffees & cakes in the Division suite  
Patricia Murphy

Monday, June 12

*Transformations and Revolutions: The Rapidly Changing  
Science Library*  
Sarah Kelly

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Monday, June 12

Toxicology Roundtable -- co-sponsored with  
ERM

*A Votre Santé! Health Care Issues &  
Information Systems*

Elizabeth Lamont

*Biological Illustration in the 19th Century --*  
co-sponsored with Natural History Caucus

Tuesday, June 13

*Webbed for Life: Biology on the World Wide Web*  
Anne Marie Malley

Wednesday, June 14

*Managing Information in the Biological Sciences:  
Contributed Papers Session*

Larry Wright

Thursday, June 15

Field trip to points of biological interest in  
Montreal  
Donna Gibson

We will also have the BIO Annual Business meeting (6/12 breakfast), two Executive Board meetings (6/11, 6/14), three co-sponsored Open Houses (6/11-6/13) and time to visit the exhibits which are so informative. BIO is also one of the co-sponsors of a mega-session on navigating the Internet. I think the programs of other divisions will also appeal to you.

In preparing sessions program planners are keenly attuned to what members want, need and have suggested. To assure the very best in program planning the Division moved to a two-year lead time by assembling the Program Committee for Boston last June. The group has already made significant progress. [See item elsewhere in this issue.] I hope you will provide comment and encouragement to them as well as to the Seattle group when it is announced in Montreal. In the meantime, if you have questions about the Montreal program please feel free to contact the session planners or me.

I am looking forward to seeing you in Montreal.

## Call for Nominations

The Nominations & Elections Committee is soliciting nominations for the offices of Chair-Elect and Director. If you are interested in running or wish to nominate someone, contact any member of the committee by November 30.

The Committee Chair is Louisa Worthington (elworthi@athena.mit.edu) and the other members are Beth Paskoff (lpask@lsuvm.bitnet) and Barry Brown (barry@selway.umd.edu).

The slate of nominees will appear in the Winter issue of *Biofeedback* and the election will take place in early spring.

## Changes of Address

All updates to members' names, addresses, and phone numbers are received from SLA headquarters by the Membership Committee. If your address changes, please send notice to SLA headquarters in Washington, D.C., not to *Biofeedback's* editor.

### Biofeedback

Biological Sciences Division  
Special Libraries Association

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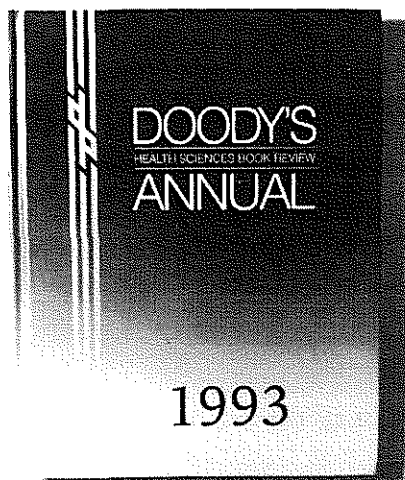
The newsletter is published four times a year: February, May, August, and November. Deadline for submitting materials is the first of the month prior to publication.

Editor: Adam L. Schiff, California Academy of Sciences Library, Golden Gate Park, San Francisco, CA 94118; (415) 750-7104; FAX: (415) 750-7106; INTERNET: ASCHIFF@CAS.CALACADEMY.ORG

Assistant Editor: John Tebo, Chemistry/Biology Library, University of Cincinnati, 503 Rieveschel Hall, Mail Location 0151, Cincinnati, OH 45221-0151; (513) 556-1494; FAX: (513) 556-1103; BITNET: TEBO@UCBEH; INTERNET: TEBO@UCBEH.SAN.UC.EDU

Business Manager: Larry Kelland, University Library, University of Rhode Island, Kingston, RI 02881; (401) 792-5067; FAX: (401) 792-4608; INTERNET: LKELLAND@URIACC.URI.EDU

# Two indispensable new tools for the health sciences librarian.

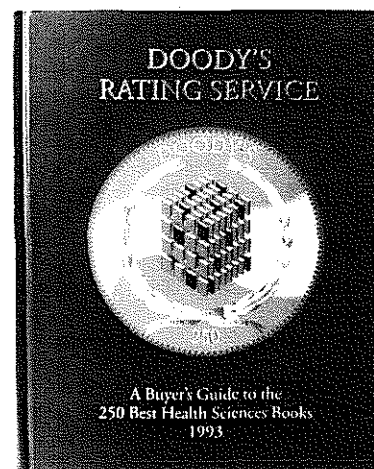


## **Doody's Annual features:**

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## BSD: Who Are We?

Lucy M. Rowland

As the Fundraising Committee began its work this summer, one project that grew out of its efforts involved a review of the membership list. Surveys are notoriously ill-fated because the responders are a self-selected group. As the Chair of the Fundraising Committee, I decided to examine the list from several aspects in order to determine "who we are." This ultimately became the basis for much of the new fundraising brochure. In the future, the Membership Committee, perhaps with the help of SLA headquarters in Washington, D.C., will be charged with undertaking an examination of the membership list on an annual basis. This will prove to be valuable for fundraising, membership recruitment, and annual conference program planning.

The information provided by SLA is not absolute, but generalizations can be drawn from the data. We are not, for example, able to determine that a medical subject specialist in an academic library is "medical." However, we ARE able to ascertain that someone who works in a medical school library is working in an "academic medical setting." While the intuitive method is bound to be imprecise except in a few categories expressly used by SLA in formulating the list, there is little doubt that in general the information is accurate in determining trends.

Most members use their work address for mailing, although SLA includes both home and work addresses on the membership list. The categories of work settings that emerged were: Academic; Corporate; Government; Medical; Natural History; Agricultural; Unknown; Student; Retired; and Life. Subdivisions included Medical/Academic; Medical/Corporate; Medical/Governmental; Natural History/Academic; Natural History/Corporate; etc.

### TYPES OF LIBRARIES EMPLOYING BIO/SLA MEMBERS, JULY, 1994

	Employed/Active	All Members
All Medical	44.1%	37.9%
All Natural History	11.7%	10.1%
All Agricultural	3.0%	2.7%
Corporate (other)	14.6%	12.5%
Governmental (other)	1.8%	1.5%
Academic	17.3%	14.9%
Unknown	7.5%	6.4%
Student	n/a	7.5%
Retired	n/a	5.0%
Life	n/a	1.4%

("All" includes libraries regardless of whether they are academic, governmental, or corporate in nature.)

When the type of setting is examined in another way, other data emerge that are also valuable.

	Employed/Active	All Members
All Academic	32.8%	28.2%
All Corporate	25.7%	22.1%
All Governmental	11.1%	9.6%
Medical (other)	19.1%	16.5%
Natural History (other)	3.8%	3.3%

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Unknown	7.5%	6.4%
Student	n/a	7.5%
Retired	n/a	5.0%
Life	n/a	1.4%

Unfortunately, using this method, generally there is no means for identifying certain groups, such as independent information brokers. But for the purposes mentioned earlier in this article, the analysis goes a long way towards helping the Division leadership make better and more informed decisions, and allows us to provide better services to current and potential members.

The survey also presented us with a bonus, as one valuable piece of information that SLA provides is the date joined. We are fortunate to have many individuals who have been members for more than 25 years, and even a very precious few who have been members for over 50 years. What a testimonial to staying power!

## Boston Programs in 1996

The Program Committee for the 1996 meeting in Boston is asking members for input on programming. If you have ideas about what kind of session you would like to have the Committee consider, contact a member or Chair-Elect Lucy Rowland ([lrowland@uga.cc.uga.edu](mailto:lrowland@uga.cc.uga.edu)).

Anna McGowan, 1996 Program Committee Chair  
([atm@fdacf.ssw.dhhs.gov](mailto:atm@fdacf.ssw.dhhs.gov))

Ann Juneau  
Karen Kreizman  
Doug Macbeth  
Patricia Murphy  
Larry Wright

## Advertise the BSD!

The Membership Committee of the Biological Sciences Division of the Special Libraries Association created a brochure for the division last year. If you are attending a conference or meeting and would like to display the brochure to attract new members, please contact the Membership Chair, David Duggar, at [ddugga@nomvs.lsumc.edu](mailto:ddugga@nomvs.lsumc.edu) or (318) 675-5472 or LSUMC-S Library, P.O. Box 33932, Shreveport, LA 71130-3932. The brochure will be revised later this year to reflect additional services offered by the Division.

## Thank You, BSD

I want to express my belated thanks to the Biological Sciences Division for sponsoring my attendance at the Atlanta conference. It was quite an experience. Most of the sessions I attended were interesting, but my favorite events were the evening hospitality suites, where I talked with countless friendly people. (The food wasn't bad either.) I came home exhausted, but now I'm hooked. I'm already trying to figure out how I can get to Montreal.

Catherine Hanson-Tracy, 1994 Student Conference Award Winner

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## Book Reviews

*Editor's Note: With this review, we inaugurate a new section of Biofeedback devoted to reviews of biological books, serials, and other media. If you are interested in serving as a reviewer, please let me know what types of materials and subjects you would like to review.*

### **Animals Alive!: An Ecological Guide to Animal Activities**

by Dennis Holley

Niwot, CO: Roberts Rinehart Publishers, 1994

312 pp. Ill. ISBN: 1-870373-58-0 \$29.95 (paper)

Audience: Teachers of middle through high school students

Dennis Holley, a biology teacher of grades 4-12, wrote this guide to assist other "teachers develop an inquiry-oriented program for studying the animal kingdom" and to supplement regular biology texts. Current controversy over dissection in the classroom and, more broadly, inhumane treatment of animals prompted Mr. Holley to offer this alternative approach emphasizing the use of live animals collected locally. Other concerns of classroom science teachers including tight budgets, environmental correctness of methods, and exposure to harmful chemicals are mentioned as compelling reasons for looking for new ways to teach animal biology. This practical approach to the study of live animals is useful to teachers of varying levels of expertise and students in middle and high school classes. The guide is organized in four sections corresponding to the five kingdom classification system used by most biology texts. Each section--lower and upper invertebrates, lower and upper vertebrates--have two to three chapters addressing individual phylum. The chapters have a consistent organization covering general and specific characteristics of the phylum, collection, maintenance and release of specimens, health and safety of all concerned, and teaching activities. Observation, ecology and integration are the broad categories of the activities with each working towards developing students' process skills. A master table identifying which specific activities focus on which skills is provided. The introductory sections of the chapters are concisely and accurately written. The author cannot include a comprehensive treatise on each phylum or class, but the lack of references leaves the reader with a minimal background and no sources for more information. The "Additional Resources" appendix has a very short list of books.

The information on collecting, maintaining and releasing animals is complete without being overwhelming. Occasionally, the author assumes the

readers will know more than they do. Additional description of such things as how shallow is "a shallow pan" would be helpful to the less-experienced teacher. The line between patronizing and overly concise writing is fine, and usually Mr. Holley strikes a comfortable balance. He also consistently emphasizes the need to check with local authorities on rules and regulations concerning collecting and releasing live specimens. To aid teachers in finding the necessary information, he includes the addresses of state and provincial wildlife and natural resources authorities, health departments and education departments.

The teaching activities are organized in five sections which logically progress one from the next--habitat, structure, behavior/response, feeding, reproduction/development, integration with other subject areas. He focuses each activity around a single concept providing concise information for the teacher to direct discussion and provide answers. Teachers are urged to "formulate questions that challenge students to interpret, analyze and think." Examples of activities include having students speculate on why green hydras are green, devise a way to measure a hydra, observe the response of a snail to gravity, and design an aviary. Some activities are labelled as challenges, and these do just that--the student is asked to find a way to test a problem or hypothesis. Examples of these challenge questions include "Do rodents have depth perception?" and "Can snails crawl backwards?" The activities sections conclude with suggestions for integration with other subject areas.

This guide does offer an alternative to the traditional study of animals in elementary and secondary schools. It uses students' natural curiosity about live animals

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to engage their interest and expand their knowledge about animals. The weaknesses--lack of a substantial resource bibliography, occasional assumptions on level of expertise, lack of linkages between findings and consequences--are overshadowed by the consistently useable and innovative activities. For the price, this is a recommended addition to science teachers' professional collections, libraries developing science curriculum collections, and museums supporting public education programs.

Janet Webster, Hatfield Marine Science Center, Oregon State University

## Books Received

*Amphibian Biology*. Vol. 1, The Integument. Edited by Harold Heatwole; co-edited by George T. Barthalmus. Surrey Beatty & Sons, 1994. 418 p. ISBN 0-949324-54-X. \$115.00 Aust.

*Australian Indigenous Orchids*. Volume 2. A.W. Dockrill. Surrey Beatty & Sons, 1992. ISBN 0-949324-45-0. ca. 500 p. \$78.00 Aust.

*Basic Human Genetics*. Elaine Johansen Mange and Arthur P. Mange. Sinauer Associates, 1994. 558 p. ISBN 0-87893-495-2. \$46.95

*The Bengal Monitor*. Walter Auffenberg. University Press of Florida, 1994. 560 p. ISBN 0-8130-1295-3. \$79.95

*Biology of  $\alpha_2$ -Macroglobulin, its Receptor, and Related Proteins*. Edited by Wolfgang Borth *et al.* New York Academy of Sciences, 1994. 521 p. ISBN 0-89766-886-3. \$40.00

*Bucket Diagrams: A Problem-Solving Approach to Renal Physiology*. Herbert F. Janssen. Texas Tech University Press, 1994. 224 p. ISBN 0-89672-323-2 (pbk.). \$17.50

*Butterflies of Alberta*. John Acorn. Lone Pine, 1993. 143 p. ISBN 1-55105-028-5 (pbk.). \$16.95 Can.

*The Cayo Santiago Macaques: History, Behavior and Biology*. Edited by Richard G. Rawlins and Matt J. Kessler. State University of New York Press, 1986. 306 p. ISBN 0-88706-136-2 (pbk.). \$24.95

*Cooperation and Conflict in General Evolutionary Processes*. Edited by John L. Casti and Anders Karlqvist. Wiley, 1995. 435 p. ISBN 0-471-59487-3. \$69.95

*DNA Damage: Effects on DNA Structure and Protein Recognition*. Edited by Susan S. Wallace, Bennett Van Houten, and Yoke Wah Kow. New York Academy of Sciences, 1994. 385 p. ISBN 0-89766-885-5 (pbk.). \$105.00

*Everglades Agricultural Area (EAA): Water, Soil, Crop, and Environmental Management*. Edited by A.B. Botcher and F.T. Izuno. University Press of Florida, 1994. 318 p. ISBN 0-8130-1294-5. \$44.95

*The Evolution of Human Behavior: Primate Models*. Edited by Warren G. Kinzey. State University of New York Press, 1987. 299 p. ISBN 0-88706-268-7 (pbk.)

*Fetal Cells in Maternal Blood: Prospects for Noninvasive Prenatal Diagnosis*. Edited by Joe Leigh Simpson and Sherman Elias. New York Academy of Sciences, 1994. 270 p. ISBN 089766-888-X. \$80.00

*Field Guide to Alaskan Wildflowers*. Verna E. Pratt. Alaskakrafts, 1989. 136 p. ISBN 0-9623192-0-1 (pbk.). \$13.95

*A Field Guide to Nature Nearby: Fields and Woods of the Midwest and East Coast*. Peggy Kochanoff. Mountain Press Pub. Co., 1994. 144 p. ISBN 0-87842-299-4 (pbk.). \$14.00

*The Fishes of Tennessee*. David A. Etnier and Wayne C. Starnes. University of Tennessee Press, 1994. 681 p. ISBN 0-87049-711-1. \$60.00

*Freshwater Fishes of the Carolinas, Virginia, Maryland, and Delaware*. Fred C. Rohde *et al.* University of North Carolina Press, 1994. 222 p. ISBN 0-8078-2130-6. \$24.95

*Future of the Fauna of Western New South Wales*. Edited by Daniel Lunney, Suzanne Hand, Philip Reed, and David Butcher. Royal Zoological Society of New South Wales, 1994. 246 p. ISBN 0-959-9951-9-6 (pbk.). \$45.00 Aust.

*Graced by Pines: The Ponderosa Pine in the American West*. Alexandra Murphy. Mountain Press Pub. Co., 1994. 119 p. ISBN 0-87842-307-9. \$10.00

*Guide to Marine Invertebrates: Alaska to Baja California*. Daniel W. Gotshall. Sea Challengers, 1994. 105 p. ISBN 0-930118-19-7 (pbk.)

*Handbooks and Tables in Science and Technology*. Edited by Russell H. Powell. 3rd ed. Oryx Press, 1994. 359 p. ISBN 0-89774-534-5. \$95.00

*Herpetology in Australia: A Diverse Discipline*. Edited by Daniel Lunney and Danielle Ayers. Royal Zoological Society of New South Wales, 1993. 414 p. ISBN 0-9599951-8-8 (pbk.). \$80.00 Aust.

*How to Write & Publish a Scientific Paper*. Robert A. Day. 4th ed. Oryx Press, 1994. 223 p. ISBN 0-89774-865-4 (pbk.). \$16.95

*Into Africa*. Craig Packer. University of Chicago Press, 1994. 277 p. ISBN 0-226-64429-4. \$24.95

*The Last Panda*. George B. Schaller. University of Chicago Press, 1994. 299 p. ISBN 0-226-73629-6 (pbk.). \$13.95

*Limnology Now: A Paradigm of Planetary Problems*. Edited by R. Margalef. Elsevier, 1994. 553 p. ISBN 0-444-89826-3.

*Marine Animals of Baja California: A Guide to the Common Fishes and Invertebrates*. Daniel W. Gotshall. 2nd ed. Sea Challengers, 1987. 112 p. ISBN 0-930118-15-4 (pbk.)

*Medical and Biological Engineering in the Future of Health Care*. Edited by Joseph D. Andrade. University of Utah Press, 1994. 238 p. ISBN 0-87480-454-X (pbk.)

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*Microbial Pathogenesis and Immune Response.* Edited by Edwin W. Ades, Richard F. Rest, and Stephen A. Morse. New York Academy of Sciences, 1994. 383 p. ISBN 0-89766-896-0 (pbk.). \$110.00

*The Monkeys of Arashiyama: Thirty-Five Years of Research in Japan and the West.* Edited by Linda Marie Fedigan and Pamela J. Asquith. State University of New York Press, 1991. 353 p. ISBN 0-7914-0553-2 (pbk.). \$24.95

*Naturalistic Environments in Captivity for Animal Behavior Research.* Edited by Edward F. Gibbons, Jr. et al. State University of New York Press, 1994. 387 p. ISBN 0-7914-1648-8 (pbk.)

*Nature Conservation 3: Reconstruction of Fragmented Ecosystems: Global and Regional Perspectives.* Edited by Denis A. Saunders, Richard J. Hobbs and Paul R. Ehrlich. Surrey Beatty & Sons, 1993. 326 p. ISBN 0-949324-50-7. \$78.00 Aust.

*The Official World Wildlife Fund Guide to Endangered Species of North America. Vol. 4: Species listed December 1991 to July 1994.* Edited by Walton Beacham. Beacham Publishing, 1994. ca. 670 p. ISBN 0-933833-33-4.

*Pacific Coast Inshore Fishes.* Daniel W. Gotshall. 3rd ed. (rev.). Sea Challengers, 1989. 96 p. ISBN 0-930118-16-2 (pbk.)

*Pacific Coast Nudibranchs: A Guide to the Opisthobranchs, Alaska to Baja California.* David W. Behrens. Sea Challengers, 1991. 107 p. ISBN 0-930118-17-0 (pbk.)

*Pacific Conservation Biology.* Vol. 1, no. 3. Surrey Beatty & Sons, 1994. ISSN 1038-2097.

*Plants of Northern British Columbia.* Edited by Andy MacKinnon, Jim Pojar, Ray Coupé. Lone Pine, 1992. 345 p. ISBN 1-55105-015-3 (pbk.). \$19.95 Can.

*Plants of the Pacific Northwest Coast: Washington, Oregon, British Columbia & Alaska.* Compiled and edited by Jim Pojar and Andy MacKinnon. Lone Pine, 1994. 527 p. ISBN 1-55105-040-4 (pbk.). \$19.95, \$24.95 Can.

*Primate Social Conflict.* Edited by William A. Mason & Sally P. Mendoza. State University of New York Press, 1993. 419 p. ISBN 0-7914-1242-3 (pbk.). \$19.95

*Principles of Conservation Biology.* Gary K. Meffe, C. Ronald Carroll, and contributors. Sinauer Associates, 1994. 600 p. ISBN 0-87893-519-3.

*Proceedings of the Academy of Natural Sciences of Philadelphia.* Vol. 145. Academy of Natural Sciences of Philadelphia, 1994. ISSN 0097-3157.

*Przewalski's Horse: The History and Biology of an Endangered Species.* Edited by Lee Boyd and Katherine A. Houpt. State University of New York Press, 1994. 313 p. ISBN 0-7914-1890-1 (pbk.)

*The Quest for Life in Amber.* George and Roberta Poinar. Addison-Wesley, 1994. 219 p. ISBN 0-201-62660-8. \$25.00

*Reef Sharks and Rays of the World: A Guide to their Identification, Behavior and Ecology.* Scott W. Michael. Sea Challengers, 1993. 107 p. ISBN 0-930118-18-9 (pbk.)

*Reference Sources in Science, Engineering, Medicine, and Agriculture.* H. Robert Malinowsky. Oryx Press, 1994. 355 p. ISBN 0-89774-745-3 (pbk.). \$39.95

*Repairing a Damaged World: An Outline for Ecological Restoration.* Denis A. Saunders, Richard J. Hobbs and Paul R. Ehrlich. Surrey Beatty & Sons, 1993? 15 p. ISBN 0-949324-51-5 (pbk.). \$2.00 Aust. Companion book to *Nature Conservation 3*.

*Research Facilities of the Future.* Edited by Stanley Stark. New York Academy of Sciences, 1994. 153 p. ISBN 0-89766-903-7. \$40.00

*The Roadrunner.* Wyman Meinzer. Texas Tech University Press, 1993. 104 p. ISBN 0-89672-244-9 (pbk.). \$19.95

*Statistical Methods for Medical Investigations.* Brian S. Everitt. 2nd ed. Halsted Press, 1994. 241 p. ISBN 0-470-23383-4 (pbk.). \$34.95

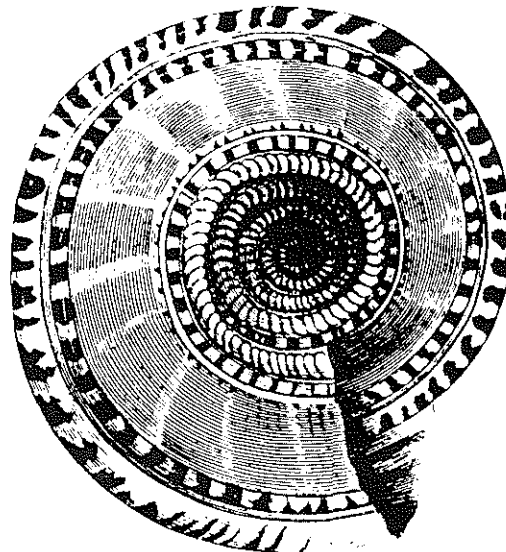
*Teaching Sign Language to Chimpanzees.* Edited by R. Allen Gardner, Beatrix T. Gardner, Thomas E. Van Cantfort. State University of New York Press, 1989. 324 p. ISBN 0-88706-966-5 (pbk.)

*Theory and Application in Fish Feeding Ecology.* Edited by Deanna J. Stouder, Kurt L. Fresh, and Robert J. Feller. University of South Carolina Press, 1994. 390 p. ISBN 1-57003-013-8. \$45.00

*Vascular Plants of Northern Utah: An Identification Manual.* Richard J. Shaw. Utah State University Press, 1989. 412 p. ISBN 0-87421-141-7 (pbk.). \$29.95

*Wildflowers along the Alaska Highway.* Verna E. Pratt. Alaskakrafts, 1991. 230 p. ISBN 0-9623192-1-X (pbk.). \$19.95

*Wildflowers of Denali National Park.* Verna E. Pratt and Frank G. Pratt. Alaskakrafts, 1993. 166 p. ISBN 0-9623192-2-8 (pbk.). \$16.95.



## New Members

Ellen K. Adkins  
Rowan Memorial Hospital  
Northwest AHEC  
612 Mocksville Ave.  
Salisbury, NC 28144  
(704) 638-1069  
FAX (704) 636-5050

Gail C. Anderson  
Medical College of Georgia  
Greenblatt Library AB-112  
Augusta, GA 30912-4400  
(706) 721-3667  
FAX (706) 721-6006

Cheryl R. Banick  
27 Cedar Pond Dr. #9  
Warwick, RI 02886

Cynthia D. Bertelsen  
2503 E. Jarvis St.  
Shorewood, WI 53211

Jesse E. Brown Jr.  
US Dept. of Agriculture  
APHIS PPQ BATS Libr.  
6505 Belcrest Rd. #B-180  
Hyattsville, MD 20782  
(301) 436-5240  
FAX (301) 436-4300

Barbara A. Butler  
Univ. of Oregon  
Oregon Inst. of Marine Biology  
Charleston, OR 97420  
(503) 888-2581  
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Gayle S. Davis-Merlen  
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Layne D. Klein  
Univ. of Cincinnati  
Cinn. Medical Heritage Center  
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Diane Thomson  
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4031 Crescent Ave.  
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(610) 832-2964

Sandra Sattler Weber  
SmithKline Beecham Corp.  
Animal Health Res. & Dev.  
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(402) 441-2409

Duane E. Wenzel  
2911 Kaamalio Dr.  
Honolulu, HI 96822-1336

Lara J. Wiggert  
9900 Georgia Ave. Apt. 117  
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AT&T Bell Laboratories  
Rm. 6A-307  
600 Mountain Ave./PO Box 636  
Murray Hill, NJ 07974-0636  
(908) 582-2206  
FAX (908) 582-2255

## New Member Profiles

### Vera Armann

Vera is a graduate student in her final year at the School of Library & Information Studies at McGill University. Vera wishes to pursue a career as a medical librarian in either an academic or research library. She is currently working part-time as a library assistant at the Osler Library (History of Medicine) of McGill University. She has a B.Sc. (Honours) in Genetics from the University of Manitoba.

### Brian Pixley

Brian is the Manager of Information Resources for Synergen Inc. in Boulder, Colorado. Synergen is a biopharmaceutical company engaged in the discovery, development and manufacture of protein-based pharmaceuticals. Brian has a B.A. in Molecular, Cellular and Developmental Biology from the University of Colorado, and an M.L.S. from Emporia State University in Kansas. Prior to his arrival at Synergen in 1988, he worked for five years at a Government Documents Regional Depository Library, and for three years at the Boulder Public Library.

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