

Usually three or four are given in one map. I suppose there have been practical reasons on the authors' minds, such as not to mix too similar distributional patterns and yet to keep genera together as close as possible. The 40 maps yield an immense wealth of information to applied workers about species ranges and distributional patterns, especially from central parts of the continent, where eastern and western species might overlap. This is knowledge essential for meaningful pest management on a nation-wide scale. Also, scientists interested in problems of biogeography will after this publication find Culicidae a most interesting group to work on. The incorporation of the Canadian records especially make the maps valuable for discussion of Holarctic distributional patterns in Culicidae.

There is nowadays a reluctance to publish faunistic records as superfluous. But when going through references in the bibliography of the present volume it became clear that development of critical evaluation of faunistic records in a certain area always has accelerated after the first lists had been published. One clearly understands that the present work would never have been written without these underlying patterns of faunistic research. There are still many areas where these initial studies scarcely have started or still need much complement. Maybe this book can help to convince all of us that it is worth while to continue to do good and critical recording of species distribution for the benefit of both successful pest control and biogeographic research.—Christine Dahl, University of Uppsala, Entomological Department, P.O. Box 561, S-751 22 Uppsala, Sweden.

ST. LOUIS ENCEPHALITIS. Edited by Thomas P. Monaht, 1980. American Public Health Association, Inc., 1015 15th Street NW, Washington, DC, 657 pp. \$20.00.

St. Louis encephalitis is a comprehensive treatise of man's unrelenting efforts

to conquer the most important mosquito-borne viral disease in North America. The coverage begins with an enlightening foreword by Dr. William C. Reeves in which he summarizes the basic ecological and epidemiological factors predisposing to the transmission of St. Louis encephalitis virus to man. According to Dr. Reeves, this knowledge and the existing technology could have prevented the majority of the 10,000 clinical cases and the 1,000 deaths attributed to SLE virus infections during the past 50 years. As in the past, SLE will continue to be a public health problem unless man utilizes existing knowledge and technology for the application of vector control measures and for the development of additional control programs.

The book consists of 5 logically arranged sections including chapters compiled by 21 experienced scientists. The first section vividly describes the history of SLE, including the scientists and respective technological developments that contributed to the understanding of the epidemiological and ecological features of this disease. This approach frequently relies on the personal experience of the author, Dr. Roy W. Chamberlain, which stimulates the interest of the readers and provides them with a framework for understanding the extensive subject matter presented in subsequent sections of the book. Section II traces the rapid and impressive advancements made concerning the morphologic, physico-chemical and antigenic properties of the virion, the biochemistry of replication and the pathogenesis of SLE virus in animal models.

A thorough review of the epidemiology and epizootiology of SLE is presented in section III including chapters on the epidemiology of human disease, the vector, the vertebrate hosts and the surveillance of SLE virus transmission in nature. Section IV describes the clinical and pathological manifestations associated with SLE virus infections of man and reviews the principles of laboratory diagnosis. The final section deals with vector

control strategies and the feasibility of developing and using a vaccine for protecting man against SLE virus infections.

The contents of the book are well-referenced and analyzed in relation to pertinent information concerning other arboviruses. Areas for future research are presented and information is readily adaptable to practical application, particularly for development and implementation of disease surveillance and vector control programs.

Undoubtedly, a publication of great interest and value to the mosquito control agencies, and to students, physicians, researchers and all other persons interested in SLE and other arboviral diseases.—Douglas M. Watts, U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, MD 21701.

**A BIBLIOGRAPHY AND KEYWORD INDEX OF THE BITING MIDGES (DIPTERA: CERATOPOGONIDAE),** by W. R. Atchley, W. W. Wirth, C. T. Gaskins, and S. L. Strauss. 1981. U.S. Dept. Agric., Bibliographies and Literature of Agriculture No. 13, 544 pp. Available from the Office of Governmental and Public Affairs, U.S. Dept. Agriculture, Washington, DC 20250.

As the literature explosion continues it is most appropriate that computer-based information retrieval systems be perfected. This softbound volume grew from a pilot project the results of which were published in 1975. The number of titles increased from 1,950 to 3,527. Included are both primary and secondary references on a worldwide basis from 1758 to 1978. Publication of this bibliography will greatly facilitate research on biting midges.—W. E. Bickley.

U.S. POSTAL SERVICE STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Required by 39 U.S.C. 3685)			
1. TITLE OF PUBLICATION <b>MOQUITO NEWS</b>		2. ISSUE DATES 0 6   0 2   7   1   4   2   X	
3. FREQUENCY OF ISSUE Quarterly		4. DATE OF FILING Sept. 1, 1981	
5. LOCATION OF HEADQUARTERS OR GENERAL BUSINESS OFFICES OF THE PUBLISHER (Not printer)		6. NUMBER OF COPIES OF THIS STATEMENT ORIGINALS 4	
7. LOCATION OF THE HEADQUARTERS OR GENERAL BUSINESS OFFICES OF THE PUBLISHER (Not printer) American Mosquito Control Assoc., Cultural Education Center, Albany, NY 12224 American Mosquito Assoc., 5545 East Shields Ave., Fresno, CA 93727		8. ADDITIONAL PUBLICATION PRICE \$20.00	
9. NAME AND COMPLETE ADDRESS OF PUBLISHER, EDITOR, AND MANAGING EDITOR			
PUBLISHER (Name and Address) American Mosquito Control Assoc., 5545 East Shields Ave., Fresno, CA 93727			
EDITOR (Name and Address) Dr. Ronald A. Ward., Dept. Entom., Walter Reed Army Inst. of Res., Washington, DC 20012			
MANAGING EDITOR (Name and Address)			
10. OWNER (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given. If the publication is published by a corporate organization, its name and address must be stated.)			
NAME		ADDRESS	
AMERICAN Mosquito Control Association		15241 ELSIE STREET, AVENUE FRESNO, CA 93727	
11. KNOWN BONDHOLDERS, MORTGAGEES, AND OTHER SECURITY HOLDERS OWNING OR HOLDING 1 PERCENT OR MORE OF TOTAL AMOUNT OF BONDS, MORTGAGES OR OTHER SECURITIES OF THIS PUBLICATION			
NAME		ADDRESS	
NONE			
12. FOR COMPLETION BY NON-PROFIT ORGANIZATIONS AUTHORIZED TO MAIL AT SPECIAL RATE (See 39 U.S.C. 3686) The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes (Check one)			
<input checked="" type="checkbox"/> HAVE NOT CHANGED SINCE PRECEDING REPORT			
<input type="checkbox"/> HAVE CHANGED SINCE PRECEDING REPORT (If changed, publisher must submit explanation of change with this statement)			
13. EXTENT AND NATURE OF CIRCULATION		AVERAGE NO. COPIES EACH ISSUE DURING PRECEDING 12 MONTHS	
A. TOTAL NO. COPIES PRINTED (Net Press Run)		2350	
B. SALES THROUGH DEALERS AND CARRIERS, STREET VENDORS AND COUNTER SALES		NONE	
C. MAIL SUBSCRIPTIONS		2157	
D. TOTAL PAID CIRCULATION (Sum of B, C, and D)		2157	
E. FREE DISTRIBUTION BY MAIL, CARRIERS OR OTHER MEANS, SAMPLES, COMPLIMENTARY, AND OTHER FREE COPIES		NONE	
F. TOTAL DISTRIBUTION (Sum of D and E)		2157	
G. COPIES NOT DISTRIBUTED		193	
1. OFFICE USE, LEFT OVERS, MISCELLANEOUS, SPOILED, OTHER PRINTING		116	
H. RETURNS FROM NEWS AGENTS		NONE	
I. TOTAL (Sum of F, G, and H—should equal net press run shown in A)		2350	
14. I certify that the statements made by me above are correct and complete.		SIGNATURE AND TITLE OF PUBLISHER, EDITOR, MANAGER, OR OWNER <i>Thomas D. Mulhern, Executive Director</i>	
15. FOR COMPLETION BY PUBLISHERS MAILING AT THE REGULAR RATES (Section 39 U.S.C. 3686, Postnet System)			
39 U.S.C. 3686 provides in pertinent part: "No person who shall have been ordered to mail matter under former edition 3026 of this title shall mail such matter as he mails provided under this subsection, unless he files with the Postal Service a written request for permission to mail matter at such rate."			
In accordance with the provisions of this statute, I hereby request permission to mail this publication normal in rate if it is placed postage non-premailable as authorized by 39 U.S.C. 3686.			
SIGNATURE AND TITLE OF EDITOR, PUBLISHER, BUSINESS MANAGER, OR OWNER			

PS Form 3526 (Page 1) (See instructions on reverse)