MARK F. O'BRIEN

NEWSLETTER

of the

MICHIGAN ENTOMOLOGICAL SOCIETY

Volume 17 Number 4 November 28 1972

ENTOMOLOGY NOTES NUMBER TWO

Number two in the Entomology Note series entitled Insect Galls, accompanies this issue of the Newsletter. Number one in the series on Ant Lions and Tiger Beetles was received by MES members and teachers in the last Newsletter. Many thanks to the thoughtful and encouraging comments from our members on the first note.

This series is designed as a service for grade and high school students and their teachers, 4-H members and their leaders, and others that are curious about the diverse facets of entomology. Teachers and 4-H leaders are being alerted to this series through our regular Newsletter mailing and through Woldumar Nature Center. It is a goal of our Society to sell these notes to teachers, leaders, and students in order to be used as insect oriented projects and to enkindle genuine interest in the "fun" aspects of entomology.

Notes in this series can be purchased in lots of 10 or more at the following rates:

Quantity	Price
10	$0.75
50	$3.00
100	$5.00

Quantities in excess of 100 are $.05 for each additional note. Numbers in the series may be mixed in any quantity. Send orders to Executive Secretary, MICHIGAN ENTOMOLOGICAL SOCIETY, Dept. of Entomology, Michigan State University, East Lansing, Michigan 48823.

MANUSCRIPTS NEEDED

Do you want to get a manuscript of yours in print quickly? If so, the editor of our new Journal THE GREAT LAKES ENTOMOLOGIST promises fast service for manuscripts accepted for publication in the next few months. Catching up on the previous issues of the MICHIGAN ENTOMOLOGIST has nearly exhausted the supply of backlogged manuscripts. One of the aims of our Society is to have our Journal rank among the best in North America. You can help to make it best by sending in only high quality manuscripts to Dr. Irving J. Cantrall, Museum of Zoology, The University of Michigan, Ann Arbor, Michigan 48104.

1973 ANNUAL MEETING

The MES Annual Meeting will be held on the campus of Michigan State University in East Lansing on May 18-19. The Department of Entomology will host the meeting. The Pesticide Research Center and Entomology Museum will be open for tours. A field trip is planned to either the Rose Lake or Dansville S.G.A. Those desiring to participate on the program should begin to consider a topic. An official call for papers will be announced in the next Newsletter.

The NEWSLETTER of the Michigan Entomological Society is published four times yearly, with luck, at irregular intervals. Please send all notes, news, new insect records, research requests, season summaries, important dates for the Entomologists' Calendar, other items for the NEWSLETTER, membership inquiries, dues, etc. to the Executive Secretary, Michigan Entomological Society, Dept. of Entomology, Michigan State University, East Lansing, Michigan 48823.

The Executive Secretary's Page

1972-73 OFFICERS OF THE MICHIGAN ENTOMOLOGICAL SOCIETY

President ..... Dean G. Dillery
President-Elect ..... Richard Fleming
Executive Secretary ..... M. C. Nielsen

1973 DUES' NOTICES

By now, all members should have received their 1973 dues' notices in the mail. We hope that each of you will promptly remit your dues in the envelope provided. Please don't put off paying your dues NOW as you may fall into arrears. All dues in arrears are indicated in red and MUST be paid in addition to the 1973 dues! It seems odd that some members fail to read their notice as it makes for more correspondence to straighten out dues in arrears. Should we err, please send us your cancelled check for the missing dues.

Also, we urge each member to pay by check or money order. Do not send cash through the mail! Remember, a cancelled check is your receipt for the dues paid.

This is a good time to make that contribution to the Society--large or small. Or better yet, become a SUSTAINING MEMBER. Students are urged to consider becoming an ACTIVE member and obtain THE GREAT LAKES ENTOMOLOGIST--a real bargin at $4.00. The Society needs your support!

MES GOVERNING BOARD

The Governing Board of the Michigan Entomological Society met on 3 October in the Natural Science Building on the campus of Michigan State University. It was the first meeting of the Board since 26 October 1971. The following items and actions were handled:

1. Financial report given by M. C. Nielsen, Executive Secretary. All major bills are paid and indication that enough funds will be forthcoming to pay for the remaining Journals and Newsletter during 1972. Prospect looks good for 1973, especially since we are receiving page charges for the Journal, and that income will exceed expenses!

2. Nielsen suggested, however, that Society may wish to consider raising subscription rates to Journal. Motion made by Richard Snider for Board to investigate subscription rates and report at Annual Meeting. Seconded by Louis Wilson, motion carried.

3. Motion by Irving Cantrall to form Ad Hoc Committee to review MES members for Honorary status (our Constitution provides that not more than two shall be elected in any one year, nor shall the total number of Honorary Members exceed five at any one time). Snider seconded and the motion carried. Snider agreed to act as chairman.

4. Michael Tyrkus moved to form another Ad Hoc Committee to review restructuring the MES Constitution and By-Laws as it relates to the composition of the Governing Board. Tyrkus will serve as chairman, assisted by Dean Dillery and others.

5. Snider invited the Society to participate in teacher workshops to be held at Woldumar, one of the nation's leading nature centers located near Lansing. Snider as Director of Woldumar believes the Society can be of great help to science teachers by offering various entomological programs (slides, lectures, field trips, etc.) which in turn will enlighten many students. Members interested in assisting in this program should contact Snider at 5539 Lansing Road, R. #3, Lansing, Mich. 48917.

6. Louis Wilson, Editor of the Newsletter, needs more material for the Entomology Notes series, initiated in the last issue. All topics of insect collecting, study, photography, and control are requested and will be presented in the same format as the first number. Interested? Well, just contact Wilson at U.S.D.A. Forest Service, North Central Forest Expt. Station, East Lansing, Mich. 48823.

7. Irving Cantrall, Editor of the Journal, reported that Vol. 5, No. 3 is now at the printer and almost ready for mailing. However, he still needs more manuscripts to complete No. 4 and for Vol. 6. Again, he urges members to submit papers to him for publication--short papers are especially welcome! (Please refer to "Information for Authors" on the inside back cover of the Journal).

REARING CHIRONOMUS LARVAE

Here is a satisfactory method I have found for rearing Chironomus Larvae which are commonly used in many areas of research.

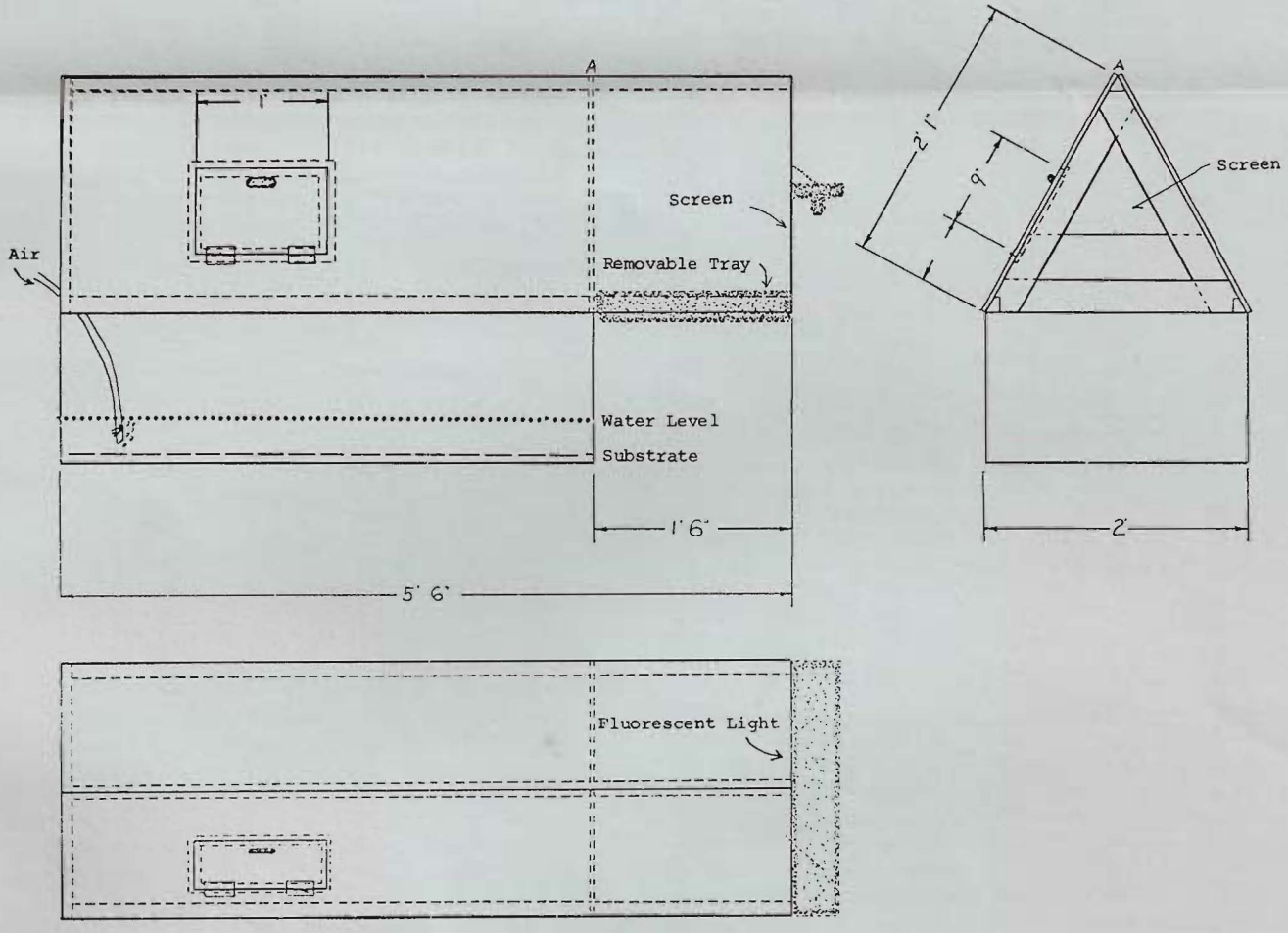
Start by collecting large larvae from pond sediments.

Rearing container: Use a two gallon aquarium, to which is added about one inch of toilet paper finely ground in a food blender. The air supply must be vigorous but not to the extent that it rolls the substrate.

Food: A moderate protein food source such as unmedicated chicken feed should be used. This food source should be blended into a thick solution, and added at a rate of one cc per day to each two gallon aquarium. How much one adds depends upon how fast one wants the larvae to grow. Caution: at high food levels, the larval cultures are quite unstable and go anaerobic as bacterial populations build up rapidly.

Collection of eggs: I use a 50 gallon tank with two inches of ground paper substrate and 10 inches of water aerated vigorously. To this I periodically add fourth instar larvae to be assured of a constant supply of egg-laying adults. The tank is covered with a plywood roof that extends over one end far enough to admit an enameled tray, the exact width of the tank. I keep about an inch of water in the bottom of the tray. The adults are attracted to the tray by a fluorescent light suspended over it. (See drawing). I have tried many other methods of collecting egg masses, but found this by far the most satisfactory as it involves no handling of the adults. Two egg masses per aquarium is the optimum amount for starting new cultures.

by Mrs. Bodil Hejgarrd Burke, Research Assistant, Dept. of Zoology, Michigan State University.



MICHIGAN INSECT NOTES

Callosamia angulifera Wlk. IN LATE AUGUST

A large male *Callosamia angulifera* Wlk. was brought to my home in Olivet, Eaton Co., 30 Aug. 1972. The specimen was fresh, though somewhat mangled by the active fingers of its ten year old captor. This is a rather late date for this species to be on the wing in Michigan and may indicate that the insect is, in part at least, double brooded since other Michigan specimens I have taken are dated 10 June 1958, Calhoun Co. Perhaps the unusually warm weather influenced a late August emergence. I know that *Telea polyphemus* Cram. will occasionally have a second brood in Kalamazoo Co. and that species as well as *Tropaea luna* L. are regularly double brooded as far north as south-central Indiana. It would be interesting to check occurrences of second generations of all Michigan Saturniidae.

A NEW LADY BEETLE IN MICHIGAN

Two specimens of the lady beetle *Olla abdominalis* (Say) were taken on 10 Oct. 1971 on the shore of Lake Michigan six miles south of South Haven in Van Buren Co. The insects were found among beach debris in conjunction with large numbers of *Hippodamia convergens* Guerin, *Hippodamia parenthesis* (Say), and *Coleomegilla maculata lengi* Timberlake. As far as can be determined this is the first record of *Olla abdominalis* in Michigan. The typical distribution of the insect is western. Any judgement as to whether the occurrence in Michigan represents easternward range expansion or simply stray individuals only can be speculative at this time. No new specimens have turned up.

Richard C. Fleming, Dept. of Biology, Olivet College, Olivet, Michigan.

MICHIGAN FLORA. PART 1. GYMNOSPERMS AND MONOCOTS. Edward G. Voss. 1972. Cranbrook Institute of Science Bull. 55, 511 pages, 723 distribution maps, 345 line drawings, 46 photographs in full color, cloth bound, 6X9", $7.50 (plus 4% sales tax to Michigan residents). Send orders to: Cranbrook Institute of Science, P. O. Box 807, Bloomfield Hills, Michigan 48013.

EDWARD G. VOSS is Curator in Vascular Plants at the University of Michigan Herbarium and professor of botany at the Univ. of Michigan. Dr. Voss is editor of *The Michigan Botanist* and serves as secretary of the editorial committee for the International Code of Botanical Nomenclature; and he is active in a number of conservation organizations, and a member of MES.

MICHIGAN LEPIDOPTERA

While 1972 was not an outstanding year for lepidoptera, the persistence of three Lansing collectors did pay off with some notable captures, Glenn Belyea, "Mo" Nielsen and Bill Taft, Jr. teaming up for some interesting forays for diurnal and nocturnal collecting managed to add a few more records to our expanding knowledge of Michigan's lepidoptera fauna and its distribution. A few of the more unique species are summarized:

HESPERIIDAE: *Euphyes dukesi* and *Erynnis horatius*--Few observed and collected on 23 July, Monroe Co., T5S,R7E, Sections 14-15. Some feeding on "buttonbush" flowers. Knowledge of the habitat and distribution of both species is still fragmentary in the state.

SATYRIDAE: *Lethe appalachia*--Several collected in sedgy swamp areas: 16 July, Clinton Co., Rose Lake State Game Area; 23 July, Monroe Co.; 12 Aug., St. Joseph Co., Three Rivers State Game Area. This recently described species is quite common in the proper habitat and has been confused with *L. eurydice*.

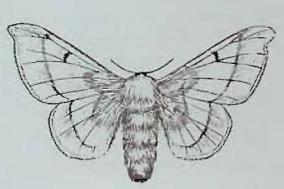
SPHINGIDAE: *Amphion nessus* and *Sphecodina abbottii*--Numerous at dusk feeding on lilac flowers on 23-25 May, Ingham Co., Dansville State Game Area. First experience of collecting *A. nessus* in this manner (generally a day-flyer).

NOCTUIDAE: *Orthosia alurina*--Several taken at UV on 12-18 April, Clinton Co., Rose Lake. Easily confused with *O. hibisci*.

Catocala gracilis--Several at bait and UV on 28 July-2 Aug., Ingham Co. at Bear Lake Bog (within City of Lansing). This species should be found in other bogs in southern counties.

C. coccinata, nebulosa and *subnata*--Few taken at UV on 11-12 Aug., St. Joseph Co., Three Rivers S.G.A. These scarce species collected with 17 other "Cats" in this area.

Phuphena u-album and *Cirrhophanus triangulifer*--Single specimens taken at UV on 8 Sept. in the Three Rivers S.G.A. Both species have been collected sporadically in southern Michigan.



U.S. GOVERNMENT PUBLICATIONS

Order by number and title from Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402. Remit by check, money order, or Superintendent of Document Coupons (available in 5¢ denomination, in any quantity).

16P. EASTERN FOREST INSECTS. This is a new, up-to-date treatment of the identification, distribution, host relationships and control of eastern forest insects. Results of insect surveys and control since World War II are summarized in this volume. 1972. 642 p., il. A1.38:1175 S/N0100-1145 Cloth, $5.00

11G. DISEASES OF FOREST AND SHADE TREES OF THE UNITED STATES. The purpose of this volume is to bring together the information available on the pathology of the more important forest & shade trees of the United States. While it deals largely with the multitude of tree species indigenous to this country, it also annotates the diseases of many introduced species grown widely for shade & ornament. It includes diseases occurring in continental United States, exclusive of Alaska, & in adjacent parts of Canada. The material is arranged first by the tree host species or genus, & within species according to part of the tree mainly attacked, for example foliage, stem, root or trunk. 1971. 658 p., A1.76:386 S/N 0100-1135 Cloth, $4.00

57K. OUTDOORS USA, THE YEARBOOK OF AGRICULTURE, 1967. Big as all outdoors in scope, this is a handbook of conservation, consumer's guide to outdoor recreation, and primer on beautification. It has someting for everyone--the citizen concerned with resource conservation, hunter or fisherman, family camper, homeowner, adventuresome small fry, farmer or property owner thinking of starting an outdoor recreation enterprise. 1967. 448 p., il. A1.10:967 S/N 0100-0114 Cloth, $2.75

58F. NATIONAL ENVIRONMENTAL EDUCATION LANDMARKS PROGRAM. Discusses the National Environmental Education Landmarks (NEEL) program whose purpose is to assist local & State governments, citizen organizations, & private individuals in identifying & preserving nationally significant environmental ethic; maintain a register of National Environmental Education Landmarks; & provide technical assistance to groups & educational organizations interested in developing environmental education programs. 1971. 6 p., il. I29.2:L23/3 S/N 2405-0272 10¢

1K. THE HOUSE FLY, HOW TO CONTROL IT. Discusses the control of the house fly around the home and on the farm, with information on such subjects as sanitation, screens, insecticides, poisoned baits, manure disposal, and grids and traps. Rev. 1972. 8 p., il. A1.35:390/9 S/N 0100-1508 10¢

3L. CONTROLLING WHITE-FRINGED BEETLES. This pamphlet briefly describes the range, spread, damage and development of the white-fringed beetle. Cultural and chemical methods of controlling this insect are discussed, along with finding and reporting infestations. Rev. 1972. 8 p., il. A1.35:550/2 S/N 0100-1503 20¢

4L. GRASSHOPPER CONTROL. Briefly tells how to control grasshoppers on farms and ranches by the use of insecticides and the precautions to be taken when using these methods. This bulletin also includes a brief discussion on how grasshoppers can be controlled by cultural measures in some areas. Rev. 1972. 12 p., il. A1.9:2193/5 S/N 0100-1516 10¢

14P. CONTROL OF GRAPE DISEASES AND INSECTS IN THE EASTERN UNITED STATES. Describes the different types of diseases and insects that attack the American bunch and the muscadine grape. Also included are precautions concerning the handling and use of pesticides. Rev. 1972. 24 p., il. A1.9:1893/6 S/N0100-2426 25¢

99Q. ALASKA TREES AND SHRUBS. Describes and illustrates the native woody plants of Alaska. Also includes a colorful vegetation map of Alaska. 1972. 265 p., il., map. A1.76:410 S/N0100-1344 Cloth, $3.25

61T. AN ENVIRONMENTAL BIBLIOGRAPHY. Compiled by the Environmental Protection Agency, this bibliography of selected readings, focuses on titles that address themselves to policy issues and interdisciplinary concepts rather than particular problems and their technological solutions. 1972. 16 p. EP1.21:En8 S/N5500-0058 15¢

41T. CLIMATE OF FLORIDA. Gives a detailed report on climatic conditions of the State of Florida. Rev. 1972. 31 p., il. C55.221:8 S/N0319-0012 30¢

115U. WILDERNESS ECOLOGY: VIRGIN PLANT COMMUNITIES OF THE BOUNDARY WATERS CANOE AREA. This booklet presents basic ecological information for the upland natural plant communities of a northeastern Minnesota wilderness area, the Boundary Waters Canoe Area. 1972. 55 p., il. A13.78:NC63 S/N0101-0217 65¢

38T. GYPSY MOTH. Describes the gypsy moth, its life history and habits; the foliage it feeds on; and the damage it does. Also discusses chemical control methods and pesticide precautions. Rev. 1972. 6 p., il. A13.52:41/2 S/N0101-0073 10¢

NEWS OF MEMBERS

RICHARD FLEMING, MES President-Elect and Associate Professor of Biology at Olivet College has recently completed a booklet on lady beetles, which is now in press at the Kalamazoo Nature Center. Dick also managed a trip to Colorado, South Dakota, Utah and Wyoming for some splendid butterfly collecting and bird watching.

FRED B. KNIGHT left the University of Michigan in April to become Dean of the School of Forestry at the University of Maine. Shortly before his departure, he and Jane were feted at the Michigan Union by his colleagues and students.

M. C. NIELSEN and family attended the 25th Anniversary Meeting of the Lepidopterists' Society in San Antonio, Texas at Trinity Univ. on 22-25 June. The meeting featured symposia on "Recent Studies of Lepidoptera Behavior" and "Endangered and Extinct Lepidoptera". The meetings were attended by approximately 100 persons, including MES members RICHARD ARNOLD, HARRY CLENCH, JULIAN DONAHUE, JOHN DOWNEY, WILBUR McALPINE, JOHN SORENSEN and FRED STEHR.

Continuing on their vacation, Nielsen again met Donahue, Assistant Curator of Entomology at the Museum of Natural History, County of Los Angeles and inspected their vast lepidoptera collection, including the riker mounts used in Comstock's "Butterflies of California". Capping the lepidopteral interests of this trip was a day with Don Eff of Boulder, Colorado, collecting alpine butterflies in the Front Range of the Rockies at elevations up to 12,500 feet. All of the lepidoptera taken on this trip have been deposited in the entomology museum at Michigan State University.

JOHN A. WITTER joined the faculty of the University of Michigan on 1 July to replace Fred Knight. John has a B.S. (forest management) and M.S. (entomology) from Virginia Polytechnic Institute, and a doctorate in entomology (with a minor in forestry) from the University of Minnesota. His teaching responsibilities will include, forest entomology, biological control--integrated control of insects, forest insect ecology, and a seminar in applied ecology. He will also help with the summer camp program at Camp Filibert Roth. His current research involves the completion of a six-year study of the population dynamics and parasite complex of the forest tent caterpillar, and participation in a parasite release program on the larch sawfly in Minnesota. At the University of Michigan he plans to begin studying behavorial types within the tent caterpillar species, and the effect of ultimate shifts in natural populations on the population dynamics of insects. His future research goals will be concentrated on population studies of important forest insects with emphasis on: study of natural control factors (parasitoids, predators, and microorganisms) and possible ways to supplement natural control agents when shown necessary by using any biological control or silvicultural technique that appears promising.

NOTICES

FOR SALE: Copies are still available of WILD SILK MOTHS OF THE UNITED STATES, 138 pp., illus., hard cover. Send $4.25 to: Michael M. Collins, 924 Mendocino, Berkeley, CALIF. 94707.

AVAILABLE: Limited copies of brochure entitled THE BUTTERFLIES OF WAYNE COUNTY, MICHIGAN, prepared by The Detroit Entomological Society, 1945. M. C. Nielsen, 3415 Overlea Drive, Lansing, Mich. 48917.

WANTED: Would like summary of all unusual lepidoptera collected during 1972 in Michigan, i.e., new state or county records, range extensions, foodplant records, migrations, etc. Information to be incorporated in the annual field summary of the Lepidopterists' Society. Address all inquiries to M. C. Nielsen, 3415 Overlea Drive, Lansing, Mich. 48917.

RESEARCH NOTICES

WANTED: Working on revision of beetle family Pyrochroidae (larvae, pupae, and adults) for North America. Especially need material from northeastern states, west coast, and Canada; will determine any foreign adult specimens at least to genus. Also building world-wide reference collection and will purchase or exchange for other Coleoptera. Desire all life stages, rearing data, observations, etc., correspondence invited. Daniel K. Young, Dept. of Entomology, Michigan State Univ., East Lansing, Michigan 48823.

MEMBERSHIP LIST ERROR

BORGMAN, CLAYTON H., 3709 Lawndele Dr., Midland, Mich. 48640.

SPECIAL END OF SEASON PRICE OFFER

MICHIGAN ENTOMOLOGIST:

Vol. I (10 Nos. incl. separate separate index 1966-1969) a $7.50 value	$ 5.00
Vol. II (2 Nos. combined - 1969) a $7.00 value	4.00
Vol. III (4 Nos. - 1970) a $7.00 value	4.00
Vol. IV (4 Nos. - 1971) a $7.00 value	4.00

NEWSLETTER:

Vol. 13 (1968), 3 issues	$ 1.25
Vol. 14 (1969), 3 issues	1.50
Vol. 15 (1970), 3 issues	1.50
Vol. 16 (1971), 3 issues	1.50
Vol. 17 (1972), 3 issues	1.50

Combination offer No. 1: Volumes 13-17 of Newsletter ..... $ 5.00

Combination offer No. 2: Volumes I, II, III and IV of the MICHIGAN ENTOMOLOGIST--a $35.75 value $20.00

Send check or money order to Executive Secretary, c/o Dept. of Entomology, Michigan State Univ., East Lansing, Mich. 48823.

NEWS OF THE BRANCHES

DETROIT: Their first fall meeting was held on November 14 featuring guest speaker Dr. Louis F. Wilson, Forest Entomologist of the U.S.D.A. Forest Service. His topic, "Insect Galls and Other Fascinating Forest Insects", was well received by those in attendance. In spite of a cold snowy night some 23 members of the branch attended the meeting.

SHARE YOUR EXPERIENCES

Members! Did you collect any interesting insects this summer? Any new state records? Any interesting sojourns to the field far and near? Why not share your experiences with all of us? We'd like to hear from all of you. Send us any items of interest from collecting to new techniques, jokes, poems, articles, etc.

MICHIGAN ENTOMOLOGICAL SOCIETY
FINANCIAL STATEMENT, 12 months ending 31 December 1971

RECEIPTS

Savings Account Interest March, June and Sept. 1971	$ 14.11	
Dec. 1971	6.52	$ 20.63
Dues (including advance dues)		1479.25
Subscriptions, THE MICHIGAN ENTOMOLOGIST (including advance subscriptions)		1247.00
Sale of Separates to Authors		168.50
Sale of Back Issues, MICHIGAN ENTOMOLOGIST & NEWSLETTER		180.40
Sale of Decals		3.50
Donations, Miscellaneous Income		153.44
TOTAL RECEIPTS		$3252.09

DISBURSEMENTS

Checking Account Charges		$ 2.60
Publication Expenses: NEWSLETTER printing & mailing	$ 545.03	
MICH. ENTOMOL. compose, print, mail	1990.02	$2535.05
Postage, Mailing Permits		150.22
Addressograph Services		56.85
Misc. Printing (form letters, stationery, etc.)		150.80
Clerical Help		179.11
Supplies		5.45
Miscellaneous (including mileage for Exec. Sec., fidoliety bond)		76.00
TOTAL DISBURSEMENTS		$3156.08

STATEMENT OF FINANCIAL CONDITION
as of 31 December 1971
(period of 1 Jan. 1971 to 31 Dec. 1971)

ASSETS

CURRENT ASSETS

Cash on Hand		$1042.34
Accounts Receivable		568.56
Prepayments		30.00
Inventories:		
Postage	$ 3.28	
Supplies (est.)	140.00	
NEWSLETTER, 1966-71, at cost (est.)	200.00	
MICH. ENTOMOL., at cost (est.)	1830.00	2173.28
TOTAL CURRENT ASSETS		$3814.18

LIABILITIES

CURRENT LIABILITIES

Accounts Payable		$ 0.00
Prepaid Subscriptions:		
Vol. IV (3 issues)	$ 873.00	
Vol. V	198.00	
Vol. IV	48.00	1119.00
Prepaid Dues		48.00
TOTAL CURRENT LIABILITIES		$1167.00
SURPLUS		2647.18
TOTAL		$3814.18

MONIES OF THE SOCIETY, 31 December 1971

Petty Cash	$ 3.56	
Checking Account	346.82	
Savings Account	691.96	$1042.34
MONIES OF THE SOCIETY, 31 December 1970 (last fiscal report)		946.23

MEMBERSHIP: As of 31 December 1971, the Society hed 437 members in good standing--compared to 517 on 31 December 1970, when the last fiscal report was made.

SUBSCRIPTIONS: As of 31 December 1971, thero were 198 paid subscribers to THE MICHIGAN ENTOMOLOGIST.

Dated: 12 April 1972

M. C. Nielsen
M. C. NIELSEN
Executive Secretary

MICHIGAN ENTOMOLOGICAL SOCIETY

Membership Application

Please enroll me as a member of the Michigan Entomological Society, in the classification checked below.

- ☐ Student Member (including those currently enrolled in college programs)--annual dues $2.00.
- ☐ Active Member--annual dues $4.00.
- ☐ Institutional Member (organizations, libraries, etc.)--annual dues $6.00.
- ☐ Sustaining Member--annual contribution $25.00 or more.

● [NOTE: Membership is on a calendar year basis (Jan. 1-Dec. 31). Memberships accepted before July 1 shall begin on the preceeding January 1; memberships accepted at a later date shall begin the following January 1 unless the earlier date is requested and the required dues are paid.]

I enclose $_____(cash, check, or money order) as dues for the calendar year(s)_____, appropriate for the class of membership checked above. (Please make remittance payable to Michigan Entomological Society).

NAME (please print)_____

ADDRESS_____

_____

_____

_____

CITY & STATE_____ ZIP_____

Please provide the information requested below, so that it may be included in our directory of members.

MY SPECIFIC INTERESTS ARE (orders, families, genera, geographical area)_____

_____

_____

_____

● Publications: THE GREAT LAKES ENTOMOLOGIST, a journal dealing with all aspects of entomology with emphasis in the Great Lakes Region, and a quarterly NEWSLETTER. Student members receive only the NEWSLETTER.

The Michigan Entomological Society, a non-profit organization, derives its sole support from membership dues, contributions, and bequests, all of which are deductible for income tax purposes.

▶ MAIL TO: Michigan Entomological Society, Department of Entomology, Michigan State University, East Lansing, Michigan 48823.

MICHIGAN ENTOMOLOGICAL SOCIETY

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MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN 48823

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