Twenty-Seventh Annual Meeting

Check your calendar now in order to attend the 27th Annual Meeting of our Society. This year it will be held on April 24 at Stinchfield Woods, that well-known forestry property managed by the University of Michigan. Stinchfield is located between Dexter and Pinckney—about a 30 minute drive from Ann Arbor. There will be a map in the next newsletter. The meeting this year will emphasize insect behavior and plant/animal interactions and several featured speakers have been solicited for special presentations. For example, Lincoln Brower from the University of Florida will present "Overwintering Ecology of the Monarch Butterfly." Ever-popular Herb Wagner from the University of Michigan, has consented to talk on "Plants and Butterflies." Michigan State's Ring Carde will educate us on "Chemical Communications in the Oriental Fruit Moth." He is well known for his work on pheromones of insects. Jan Nyrop, also from Michigan State, will present "The Influence of a Variable Environment on Parasite/Host Searching Behavior." "The Eumenid Wasp Mating System" is the title of Dave Cowan's invited paper. He is from Western Michigan University. And, Larry Kirkendall from the University of Michigan will discuss "Resource Quality and Reproductive Biology of a Harem Polygynous Bark Beetle."

Well, if the topics above don't grab you, then plan on coming for the chicken barbeque planned for the late afternoon. A field and/or collecting trip is also planned for the evening and the day following. Also, if you'd like to give a talk at the meeting submit the enclosed call for papers insert. There will be more information on the meeting in the next newsletter.

Many times Society publications are returned because members either fail to notify us ahead of time, or fail to have all mail forwarded to a new address. Society publications are mailed 3rd class and therefore are not automatically forwarded. It costs 78 cents for a journal and 25 cents for the Newsletter to be returned to the Society. At least 50 such address changes occur each year because of the failure to fill out the post office's "Change of Address" card. Again, we ask that members inform us immediately upon a change of address to avoid unnecessary expenses and the loss or delay of publications!
Officers of M.E.S.

President ............... Gary Simmons
President-Elect .......... John Witter
Past President .......... Dan Young
Executive Secretary ...... Mc Nielsen
Member-at-Large (80-82) Glenn Belyea
Member-at-Large (79-82) Dave Evans
Member-at-Large (78-81) Dan Mosher
Journal Editor ........... Dave Gosling
Newsletter Editor ........ Lou Wilson
Associate Newsletter Editor . George Batman

EXCHANGE: Wish to exchange Michigan butterflies for those of Virginia and South Eastern States. Contact Leroy C. Koehn, Rt 93, Box 270H, Staunton, VA 24401.

FOR SALE: 15 years of collecting. Near complete collection of butterflies and moths in series. Will sell with or without drawers, but will not break up collections; must be sold as a whole. By bids only. Minimum bid of $7,609 or $6,500 without drawers and cabinets. Collection includes 1,352 butterflies, 3,327 moths and 46 silk moths. Contact: Virgil Marczynski, 1604 Fitzgibbon St., Bay City MI 48706, or call (989) 892-6375. (Low man)


WANTED: Living cocoons of Saturniidae from southern and western U.S. (esp. Hyalophora euryalis, Eupackardia callida and Nocphedina spp.) and living pupae of Papilio spp. from the same area. Also need cocoons of Samia cynthia. Please send your lists to John W. Peacock, 185 Benzler Lust Rd., Marion, OH 43302.

BOOKS: Any insect book in print. Now in stock for immediate shipment: D'Abrera, BIRDING BUTTERFLIES OF THE WORLD, $65.00; D'Abrera, BUTTERFLIES OF THE AUSTRALIAN REGION, $29.95; Pinczey, MOTHS OF SOUTHERN AFRICA, $1,182 color photos, $35.95; Edwards et al., BUTTERFLIES OF NORTH AND CENTRAL AMERICA, $28.50; Hungerford, CICADITAE OF THE WESTERN HEMISPHERE, an important new reprint, $25.00; Entomological Reprint Specialist, P.O. Box 77124, Rockwell Station, Los Angeles, CA 90097.

WANTED: Michigan Bark and Ambrosia beetles for an annotated list of the Scolytidae of Michigan. Most records are especially valuable. If you can loan or donate (to UMN3) specimens, please contact Larry Kerkendall, Insect Division, Museum of Zoology, Univ. of Michigan, Ann Arbor, MI 48109.

EXCHANGE: Wish to exchange specimens of Nearctic Cicindelidae (and Carabidae). Also, correspondence welcomed from those interested in these groups. I am interested in records, label data and other information of Cicindela spp., especially hindwings. Write: Gary A. Dunn, Department of Entomology, Michigan State Univ., East Lansing, MI 48824.


(continued next page)
WANTED: Collection data of Noctuidae from Ohio. To be used in a forthcoming faunal list of Ohio's moths. Data for other families will be solicited later. All replies acknowledged. The authors may wish to verify some records. Reply to: Eric H. Metzler, 1241 Kildale Sq. N., Columbus, OH 43229.

WANTED: Data on Michigan butterflies for use in a new publication on the butterflies of Michigan. Doubtful specimens can be forwarded for determination or confirmation. Especially interested in Lycaenidae and Hesperiidae records. Contact M. C. Nielsen, 3415 Overlea Dr., Lansing, MI 48917 (517-321-2192).

WANTED: County records for species of Aeshnidae of Michigan. Records will be added to distribution data already found in Kormondy's 1955 work for possible M.S. work. The collector will be properly credited with the record of varifiable species in the pending work. Please send records to: Burton Cebulski, P.O. Box 554, Adrian, MI 49221.

RESEARCH REQUEST: I am doing research on the alfalfa weevil through Western Michigan University's graduate program. I am interested in any information that you are willing to share on the weevil. I am especially interested in any work being done on aestivation from field borders to the alfalfa field. Any help would be much appreciated. Donald D. Myers. 14031 65 Mile Rd., Battle Creek, MI 49017.

FOR SALE: Publications offered by THE LEPIDOPTERISTS' SOCIETY include "Catalogue-Checklist of the Butterflies of N. Am. North of Mex." (Memoir No. 2) by Miller & Brown; includes references to original descriptions and location of type specimens. Members and subscribers, $10 cloth, $5 paper; non-members $17 cloth, $8.50 paper-postpaid. "Commemorative Volume, 1947-1972": a 25-year review of the Society's organization, personnel, and activities; biographical sketches; Journal indices by author, subject, and taxon; cloth-bound. Members and subscribers $6, non-members $10, postpaid. Back issues of the Journal and of the News of the Lepidopterists' Society; most back issues of the Journal are available, and a few recent issues of the News. Order from Dr. C. V. Covell, Jr., Dept. of Biology, University of Louisville, Louisville, KY 40208.


FOR SALE: Exotic Papilio & birdwings worldwide, mostly rare; or will trade for hard-to-get Papilio from S. Am. & S. Africa. Write or call for full information. Virgil Warczynski, 1804 Fitzhugh St., Bay City, MI 48706. Tel. (517) 892-6375.


WANTED: Collecting data of Butterflies from Pennsylvania. These data will be incorporated with Harry Clench's Pennsylvania List for future publication. Reply to: John Prescott. 369 East Gore Road, Erie, PA 16509.


NOTICE. Interested in a collection of butterflies from the northwest part of the Ivory Coast of Africa? If so, please contact Linda Bulos, 125 Horton Street, Lansing, Michigan 48912, for details.

REQUEST
The North American Benthological Society has for the past 12 years published a yearly bibliography on benthic biology. I will be compiling the Cosatopogonidae (Diptera) section for 1980. Any papers published between 1978 and 1981 could be included. If you have published (or will) within this time frame, I would appreciate either a copy or the proper citation. Send to Tommy W. Bowen, Duke Power Company, Environmental Laboratories, Route 4, Box 531, Huntersville, N.C. 28078.
M.E.S. Governing Board Meeting

The Michigan Entomological Society's Governing Board held its fall meeting on 5 November 1980 at the residence of Louis Wilson in East Lansing. Attending the meeting were the following members of the Board: Dave Evans, Dave Geisling, Dan Mosher, Mo Nielsen, Gary Simmons, Louis Wilson, John Witter, and Dan Young. George Hoose, Associate Editor, also attended. The meeting got underway at 7:15 PM, and considered the following agenda:

1. The 1981 Annual Meeting arrangements were discussed. Witter, serving as chairman for the meeting arrangements, proposed that the meeting be held at the University of Michigan's Stinchfield Woods facility, north of Ann Arbor. The Board agreed on a choice of two sets of dates: 17-18 April or 24-25 April, to allow for the meeting and field trip. Witter will firm up the dates and use of the facilities, and will report in the Newsletter. It was also agreed that we invite Dr. Lincoln Brower, noted lepidopterist and currently studying the migration habits of the Monarch, as guest speaker.

2. The following nominees for 1981 Society officers were proposed: Howard Booth, Ron Priest for President-Elect; Dave Cowan, Ed Voss for Governing Board Member-at-Large. Nielsen agreed to serve again as Executive Secretary (with some gentle arm-twisting!!!). Dan Young, chairman of the Nominees Committee, will contact each member as to their interest in being nominated. Other names were mentioned in the event that alternative nominees are required.

3. Geisling gave a status report as Editor of the Journal. It was decided that the Society should keep Journal negatives for only the past 3 volumes, otherwise the printer will charge $60.00 per volume per year to store them. Also, the Journal's original printer, Cushing & Malley of Ann Arbor had recently asked if the Society wanted to retain the negatives for the early volumes of The Michigan Entomologist. It was agreed to destroy the negatives as there is no interest in having these volumes reprinted. Printing costs have risen, especially for Vol. 13, No. 3, which was approximately $250.00 and less than 60% subsidized. Page costs now approach $40.00 per page, while the Society charges $30.00 per page, the third highest for comparable journals! The Editor will have to delay using some manuscripts in order to balance printing costs. For the time being, the Society will not increase its page costs.

4. Wilson reported that he had enough news items and other material for the next Newsletter; however, he again reiterated the need for MORE news items, especially feature articles and Entomology Notes! Anyone with interesting news, anecdotes, collecting experiences, poems, etc. are urged to send them directly to the Executive Secretary.

5. The financial and membership report was presented by Nielsen as of 5 November, as follows: checking account: $2,781.56; savings account: $7,846.28; petty cash: $5.25; accounts receivable: $1,695.30, or a total liquid assets of $12,128.41. Of this total, the Society is obligated to expend approximately $7,700.00 during the remainder of 1980. Membership stands at about 550 and has been showing a good increase since the Annual Meeting. However, it was pointed out that with the 1981 dues increases for both student and active members, we may lose up to 100 members! Obviously, the Society NEEDS more members in all classes.

6. A motion was made by Wilson, seconded by Simmons, to increase the dues of Institutional Members to $15.00 per year. Somewhat, this matter was overlooked when the ballots were sent for dues increases to other members. The motion carried. At the present time, the Society has less than 10 Institutional Members.

7. In an effort to look for additional sources of income to the Society, Young agreed to investigate the prospects of running special advertisements in the Journal and/or Newsletter. The Board had agreed to check into this before, but unfortunately neither was done. Also, Nielsen will attempt to solicit interest among book dealers, and libraries, regarding the purchase of back issues of the Journal. Evans will contact nature centers and similar organizations on the availability of the Society's Entomology Notes. He will also inform them of membership in the Society. Young will contact MLA and 4-H representatives at Michigan State University on the use of Entomology Notes for their members, and that M.E.S. members would be available for programs and field trips.

8. It was agreed that the next Governing Board meeting should be held in conjunction with the Annual Meeting. Meeting adjourned at 10:20 PM.
Dues Increased

The 1981 dues notices have now been mailed to all members. Starting this year, active membership will be $8.00 per year, while student membership will be $4.00. All classes of membership will now receive the Journal, The Great Lakes Entomologist, and the Newsletter. Student members herebefore were not entitled to receive the journal. The Society's Governing Board recently approved that only those students through the college sophomore level are eligible for student membership. All interested persons requesting student membership must be endorsed by an existing member or advisor, and those active members that now plan on switching to student membership MUST prove their eligibility!

On some notices, dues in arrears have been shown in red as a reminder that they are past due and must be remitted with the required 1981 dues. Please remember that members are required to pay back dues, even though they may now wish to resign from membership? Unfortunately, 52 members are presently 1 year in arrears, and 29 members are 2 years in arrears, or a total of about 17% of the membership is in arrears. We hope that those who are delinquent will remit all dues promptly, and help us keep the Society solvent. Don't forget that your dues, and donations, are deductible when filing your IRS income tax return! We NEED your full cooperation!

Student Membership

Student membership in the Michigan Entomological Society is available to ALL students through the college sophomore level, pursuant to recent change approved by the Governing Board. We wish to reiterate that student membership is NOT available to college junior, senior or graduate students! Somehow, several graduate students interpreted our recent dues notice that they were not college junior or senior students and therefore eligible. Not so! Therefore 'students' that are not eligible for student membership may become an active member at $8.00 per year.

Subscription Rate Increase

Starting with Volume 14, (to be published in 1981) the subscription rate will be $15.00 per volume. The Society's Governing Board voted to increase the rate at the last Annual Meeting. The increase reflects the rise in printing and mailing costs in recent years. Despite the increased rate, our journal is still priced lower than most other comparable scientific journals.

Important Notice to Insect Dealers

Every individual or company engaged in the business of importing, exporting, or transporting insects (dead or alive), or any other forms of animal life, will be in violation of Federal law if they have not filed their application for a license on or before 31 December 1980. This new law (50 C.F.R. 14.10, dated 25 August 1980) applies to persons who "devote time, attention, labor, or effort to any activity for gain or profit that involves the importation or exportation of wildlife." The term "wildlife" is specifically defined to include all forms of animal life, including insects. This licensing requirement does not apply to individuals who import specimens for scientific or exchange purposes, or who purchase specimens for personal use only, as long as the specimens are not to be resold.

Further information and application forms for the license (which costs $50) may be obtained from the U. S. Fish and Wildlife Service, Division of Law Enforcement, Department of the Interior, Washington, D.C. 20240, (telephone 202/345-9242), or from the Special Agent-In-Charge for Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin: P.O. Box 45, Twin Cities, MN 55111 (612-725-3530).

Natural Features Inventory

On April 21, Michigan joined 21 other states in the nation when it embarked on a Natural Features Inventory, a systematic approach to identifying and assessing natural lands. The Natural Features Inventory is a joint venture of the Michigan Department of Natural Resources and The Nature Conservancy.

The program is designed to collect, on an ongoing basis, information about the state's diversity of natural communities, plant and animal species, and landscape features. With the information yielded by the Natural Features Inventory, private and public planners can identify the areas that best represent Michigan's ecological diversity and can act to preserve those choice components of the state's natural heritage.

Initial funding for the program is being provided by the U. S. Department of Interior's Heritage Conservation and Recreation Service and Michigan's Department of Natural Resources -- with the Nature Conservancy providing matching funds of $95,000, a grant secured from the Charles Stewart Mott Foundation of Flint, Michigan. For more details, contact: The Nature Conservancy, Michigan Field Office, 531 N. Clippert St., Lansing, MI 48912.
Natural Features Inventory

Would you like to do volunteer fieldwork on rare plants and animals, plant communities, or aquatic habitats? The Michigan Natural Features Inventory (a joint project of the Nature Conservancy and the DNR) needs help in developing a comprehensive database on the natural features of Michigan for use in land use and preservation planning. For each feature, or 'element' we need information on the location and quality of occurrences. If you would be willing to help check historical localities or to conduct a survey for a significant feature in your area, please let us know so we can send you more information.

Write: Natural Features Inventory, Land Resource Programs Division, Michigan Dept. of Natural Resources, Box 30028, Lansing, MI 48909, or phone (517) 373-3328.

Insect ID Slide Sets

INSECT AND PLANT DISEASE SLIDES for identification from Photography Division, Office of Information, USDA, Wash., D.C. 20250.

Full set, 225 insect and 175 plant diseases, $55. Five subsets can be purchased:
Diseases of Agronomic crops (63 slides, $16).
Diseases of Hort Crops (112 slides, $22).
Insects of Agronomic Crops and Stored Products (88 slides, $18),
Insects of Hort Crops and Shade and Forest Trees (94 slides, $18.50) and Misc. Insects (Beneficial, Household, Poultry and Livestock, and stinging and biting arthropods (43 slides, $14.50).

All sets come with list for easy slide access.

A Handful’s Harmful

Some folks would have all the insects destroyed.
How can they be so unduly annoyed?
Appreciate the insect, be content.
A handful’s harmful — only 2%
A metamorphosis would then occur,
And most of our world would transfer.
There would be no ants, mosquitoes, or flies.
No more plague or yellow fever outcries.
The price of meat and grain would surely fall.
So now would everything be less dismal?
Flowers and vegetables, fewer they are,
For pollination is not up to par.
There’d be no apple pie or cherry jam.
No more beans, peas, coffee, damn!
We would consume vitamin pills instead.
Many small animals would now be dead.
Appreciate the insect, be content.
A handful’s harmful — only 2%

Peter Lisk

Lepidopterists’ Society

Meets In Mexico

The 1981 Annual Meeting of the Lepidopterists’ Society, hosted by our Mexican counterpart, the Sociedad Mexicana de Lepidopterología, will be held at the Hotel Hacienda Cocoyoc in the state of Morelos, Mexico, July 30 to August 2, 1981.

The 100-acre resort complex where the meeting will be held is a restoration of the private estate of Hernando Cortez, originally built in 1560. Cocoyoc is near Cuautla, east of Cuernavaca and Tepotzlan, and about 55 miles south of Mexico City.

The anticipated program will feature a symposium on Mexican Monarch Butterflies, and contributed papers on all aspects of lepidopterology, with emphasis on the Lepidoptera of Mexico. The program will be bilingual, with simultaneous translation of all papers and other official activities.

For further details write Julian P. Donahue (Natural History Museum, 900 Exposition Boulevard, Los Angeles, California 90007).

Lepidopterists’ Society

The Lepidopterists’ Society was formed in May, 1947, to promote the science of lepidoptery in all its branches, to issue a periodical and other publications on Lepidoptera, to facilitate the exchange of specimens and ideas by both the professional worker and the amateur in the field, and to secure cooperation in all measures directed towards these aims. Membership is open to all persons interested in the study of Lepidoptera. Active membership is $13.00 per year and student membership is $10.00. The Journal and the News of the Lepidopterists’ Society is sent to all members. Information on membership may be obtained from the Treasurer, Ron Leuschner, 1900 John Street, Manhattan Beach, California 90266.

Did You Know...?

Did you know that in entomology abstracts each month about 650 abstracts are produced on work published within the field of entomology? There is thorough coverage of the areas of physiology, anatomy, reproduction, development, biology, ecology, genetics and evolution, with special sections for systematics and faunistics. The pure and applied aspects of medical, veterinary and agricultural entomology are given particular attention. Over 83,000 abstracts since 1969.
New Books

NEW BOOK: "Legion of Night – The Underwing Moths" by Theodore D. Sargent. Images of romance and tragedy have long been associated with the splendid moths of the genus Catocala, popularly known as the "underwings" because of their brilliantly patterned hindwings. These elegant insects are for the first time the subject of a full-length study which will be of interest both to amateur and professional entomologists.

Theodore D. Sargent, an internationally known authority on the Catocala, has spent the past ten years gathering observational and experimental data for this volume. The result is a complete survey of the species of eastern North America, a summary of current biological information on Catocala, and recent reports on some of the scientific investigations being conducted on these moths. Sargent's work will be helpful in learning collecting procedures and traps, rearing (the author has reared over half of a local species from egg to adult), and in understanding their diverse life history. The book is profusely illustrated with drawings by Katherine A. Sargent, and photographs by Harold J. Vermes, of the moths and their life-cycle stages. Eight color plates are included, and tables, graphs and appendices to summarize scientific information. Price, cloth, $15. Send to: University of Massachusetts Press, Post Office Box 429, Amherst, Massachusetts 01002.

BUTTERFLIES AND MOTHS OF NEWFOUNDLAND AND LABRADOR by Ray F. Morris. This book has three objectives: to increase public interest in the insect fauna of Newfoundland and Labrador; to provide naturalists, high school and university biology students, and amateur and professional entomologists with a text illustrating the butterflies and larger moths that are known to occur throughout the province; and for use as a field guide by collectors.


BUTTERFLIES OF GEORGIA by Lucien Harris, Jr., Foreword by Alexander B. Klots, 326 pages, illustrations. Paper, $5.95. Please add 59¢ postage and handling for the first book ordered and 22¢ for each additional book. Send checks to: University of Oklahoma Press, 1005 Asp Avenue, Norman, Oklahoma 73019.

A FIELD GUIDE TO INSECTS, by J. Zahradnik, 1977, has 120 clear line drawings and over 800 color illustrations, each annotated with feeding, habitat, and distribution information. Worldwide in scope, but mostly Europe, North America and Africa. Translated from Czech. Published by Octopus Books, Ltd., 59 Grosvenor St., London W1. Introductory selections on insect biology, classification and collection techniques. $7.95.

NEW ATLAS

The Atlas of Neotropical Lepidoptera has been initiated to illustrate and catalog the described species of moths and butterflies, as well as some species to be newly described, of the entire Neotropical faunal re-region, encompassing an estimated 66,000 species. The Atlas will appear in approximately 125 volumes for the 83 families of moths known to occur in the Neotropics, with each volume averaging about 350 pages including the illustrations of adults and genitalia. The publication scheme is expected to be completed over the next 20 years with a completion date in about 2000.

Publication will begin by 1982 with a checklist of species described to date. Thereafter, Atlas parts will be issued upon receipt from the contributing authors. The first Atlas fascicle to be issued is expected to be on the Torticidae. The final parts to be issued will be an overall bibliography, a general index, and an introductory volume with articles on various aspects of Neotropical Lepidoptera such as ecology, biogeography, taxonomic history, and so forth. Each fascicle will also include a bibliography and index for the particular family covered.

Currently 42 authors have accepted assignments for the checklist and Atlas. It is anticipated that over the next decade other authors will be added to augment the project. All authors are leading specialists and several are on the staff of the Smithsonian Institution.

The geographical range of the Atlas encompasses the entire Neotropical region, including the West Indies and other faunally related oceanic islands.

The northern limits include all portions of Mexico to the United States border, even though these border areas actually are properly of the Nearctic fauna; they are, however, usually not treated in North American works.

To prevent prohibitive costs virtually all the illustrations will be in high quality black and white. Some color plates are anticipated for selected families where black and white would not adequately demonstrate differences between species.

For more information, write to: Dr. W. Junk by Publishers, P.O. Box 13713, 2501 ES The Hague, The Netherlands

(continued next page)
NEW BOOKS

Pennington's Butterflies of Southern Africa. This is the first definitive work devoted solely to Southern African butterflies. Illustrated with 198 plates in full colour, this comprehensive record of no less than 780 species is unique in the world of Lepidoptera. Most of the butterflies are depicted life-size. There are also superb reproductions of 38 hand-painted life cycles of Hesperiidae by Gowan C. Clark, the renowned natural history artist and Lepidopterist. The text includes known distributional records, field observations, times of appearance, amongst other interesting data. A detailed index provides easy access to all species. An accurate botanical list of known foodplants utilized by larvae of these butterflies broadens the scope of this volume. Family, genus, species and author of every plant are tabulated against each insect. Scientific abbreviations of titles of journals and other publications cited are listed separately with expanded titles appended. A large fold-out map and select bibliography complete the contents. This book will become a standard reference work in the field of natural history of Southern Africa.

A Survey of the Lepidoptera, Biogeography and Ecology of New Caledonia, by J. D. Holloway, Series Entomologica 15, 1978, x, 551 pp., 152 figs., 87 plates. Cloth Dfl. 175.00/US $85.35. The author spent four months in New Caledonia with the object of making a quantitative survey of the night-flying macrolepidoptera with light-traps and an assessment of the Rhopalocera and microlepidoptera. This book is an account of the results of the New Caledonian work, together with reviews of the geology, phytogeography and general zoogeography presented as background for the Lepidoptera fauna and its geography. Send you orders to Kluwer Boston Inc., 160 Old Derby Street, Hingham MA 02043.

Address Changes

BALOGH, GEORGE, 7438 Apt. D, Grant Village Dr., St. Louis, MO 63123.
BLOEM, KENNETH A., Dept. of Entomology, Univ. of California, Davis, Davis, CA 95616.
BOWDEN, RICHARD D., 370 Prospect St., Greeley Lab., Yale Univ., New Haven, CT 06511.
CLAIR, DANIEL J., 929 Riley Dr. #91, Albany, CA 94706.
CORKUM, LYNDA D., Aquatic Environments LTD, 1235A-40th Ave., N.E., Calgary, Alberta T2E 6M9, CANADA.
DOUGLAS, MATTHEW M., 1503 Woodland, Jenison, MI 49428.
DREES, BASTIAAN M., 710A Montclair Ave., College Station, TX 77840.
DZIDOWSKI, GARY R., 45731 Plum Grove, Mt. Clemens, MI 48044.
EVANS, MICHAEL D., 5273 Joyfield Rd., Frankfort, MI 49635.
FRITZ, VINCENT A., 1405-E Spartan Village, E. Lansing, MI 48823.
GALL, WAYNE K., 21 North Aurora St., Lancaster, NY 14086.
HARAMIS, LINN D., Dept. of Entomology, OSU, 1735 Neil Ave., Columbus, OH 43210.
HARRIS, TODD L., RR2, Box 67A, Colbert, GA 30628.
HAYS, ALAN R., 8650 East D. Ave., Richland,
Entomology Note Series

Our goal is to eventually offer 100 different Entomology Notes for gradeschool, highschool, college, and 4H use. With this in mind we have been printing about 2 per year - which at that rate will take us 50 years to complete. In this issue of the Newsletter we offer Note No. 14, Net-spinning Caddisflies, by David C. Fowler. If you would like to write an Entomology note for the series, please contact the Newsletter Editor through the Department of Entomology, Michigan State University, East Lansing, MI 48824.

Notes available for sale are:


No. 3 - REARING AND EXPERIMENTING WITH ISOPODS, by L. F. Wilson. Discusses biology and habits of common woodlice and presents simple experiments for testing the principles of temperature, moisture, and light responses.

No. 4 - DRAWING INSECTS DIRECTLY FROM A STEREO MICROSCOPE, by H. C. Gordinier. Explains an easy method of "copying" an insect without using special equipment.

No. 5 - COLLECTING AQUATIC INSECTS, by J. Klenk. Proposes various methods of collecting water creatures and gives examples of several readily encountered insects.

No. 6 - LADY BEETLES, by R. C. Fleming. Describes the biology and habits of lady bugs and presents a pictorial key to 13 common species.

No. 7 - 'SUGARING' FOR MOTHS, by M. C. Nielsen. Gives details on the proper procedures for capturing nocturnal lepidoptera with baits.

No. 8 - CLOWNS OF THE INSECT WORLD, by D. Flynn. Discusses the life histories and habits of the bizarre, peculiar, and almost laughable tree hoppers.

No. 9 - COLLECTING GIANT SILKMOTHS, by L. F. Wilson. Discusses winter collecting of silkmoth cocoons and gives pictorial presentations of various species.

No. 10 - FLIGHT OF THE BUMBLEBEE, by R. W. Husband. Presents simple flight experiments using male (stingless) bumblebees and presents a pictorial key to 18 species of male and female bumblebees.

No. 11 - WANDERERS ON THE SAND--THE VELVET ANTS, by D. A. Evans. Discusses the biology of these attractive wasps and gives methods for locating and capturing them.

No. 12 - HEADLIGHTING FOR SPIDERS, by R. J. Wolff. Explains the equipment needed and techniques for capturing the wandering and web-building spiders at night. Applicable to insect collecting also.


No. 14 - NET-SPINNING CADDISFLIES by David C. Fowler. Discusses the prey-capturing habits of three groups of Caddisflies that live in streams.

These notes can be purchased in lots of 10 or more at the following rates:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>$0.95</td>
</tr>
<tr>
<td>50</td>
<td>$4.00</td>
</tr>
<tr>
<td>100</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

Quantities in excess of 100 are $.06 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, MI 48824.

New Members

BERGMAN, WILLIAM, 6237 N. Hermitage Ave., Chicago, IL 60660. Butterflies.

DAVIS, E. ELDEN, 218 McCarthy St., Howell, MI 48843. LEPIDOPTERA: Papilionoidea of Michigan.

FINK, THOMAS J., Dept. of Entomology, Florida A & M University, Tallahassee, FL 32307. EPHEMEROPTERA, TRICHOPTERA, PLECOPTERA. ODONATA. Morphology, ultrastructure and physiology of aquatic insects.

FORSYTH, HOWARD Y., JR., Dept. of Entomology, Univ. of Maine-Deering Hall, Orono, ME 04473.

GAUTHIER, ROBERT, 120, Abbé Pierre Sainte-Foy, Quebec, Canada G2G 1K2.

HARBAUER, RON, 246 E. 5th Street, Perrysburg, OH 43551.

HARCOURT, D. C., Chief, Entomology Section, Research Branch, Ontario Region, Ottawa Research Station, Ottawa, Ontario K1A 0C6 CANADA.

JACKSON, JANA MCINTYRE, 2778 Eastway, Okemos, MI 48864. Floodplain Curculionidae.

KREN, RICHARD, 1142 Lindsay Dr., Saginaw, MI 48602. LEPIDOPTERA: Bombycoidea and Sphingidea in Saginaw and Osceola Counties.

LARSEN, KIRK, 2100 S. Circle, Ann Arbor, MI 48103. LEPIDOPTERA: Danausplexippus.


SMITH, MICHAEL E., Zoology Dept., Univ. of Wisconsin-Milwaukee, P.O. Box 413, Milwaukee, WI 53201. Aquatic Insects.
Meet Your Officers Again

The photo of the Society officers was reversed in the last issue of the Newsletter. So, with the wave of our hand and the help of the printer, here is the correct alignment of the officers. Those of us who knew felt a little out of place!

Glenn Belyea, Dave Evans, Al Bratt, Gary Simmons, Dave Gosling, Lou Wilson, Mo Nielsen, Dan Young, Dan Mosher

M.E.S. Address Changes

MI 49083.
HEDGES, F. W., 1195 Meadow Spring Ct.,
Kissimee, FL 32741.
HODGES, RONALD W., Rm. 408S, NNMH, stop 127,
Washington, D.C. 20560.
HOPPE, ALLAN R., 1348 E. Sawdust Crs.,
Lapeer, MI 48446.
JOHNSON, JAMES B., 6734 Cutting Blvd., El
Cerrito, CA 94530.
KANE, MICHAEL M., 415 NE 16th St., Oklahoma
City, OK 73104.
KARPINSKI, CHESTER, JR., 1826 Carlyle,
Dearborn, MI 48124.
KOHN, LEROY G., Rt. 3, Box 270-H, Staunton,
VA 24401.
LAKE, JOHN, 9928 Oak Ridge Rd., S.W.,
Calgary, Alberta, CANADA T2V 4A5.
MACFARLANE, RUTH B., Rt. 1, Box 1488-2,
Mass City, MI 49948.
MEJIA, RODOLFA, 5820 Dixon Rd., Toledo, OH
43613.
MICHELS, MATTHEW F., 9200 67th Ave., N,
Brooklyn Park, Minn. 55428.
MILIOTIS, PAUL S., B-5, Black Oak Drive,
Nashua, N.H. 03062.
PLICHTA, ERIC, 2125 Ridge Dr., Winter
Park, Fl. 32792.
PERRINGTON, FOSTER FORBES, 14660 Brightwood
Dr., Newbury, OH 44065.
REDISKE, RICHARD R., 1715 Becker, Muskegon,
MI 49445.
REIF, MICHAEL D., 2013 Greenway Cross, Apt. 3,
Madison, WI 53713.
RIOTTE, J.C.E., P.O. Box 19000-A, Museum,
Honolulu, HI 96819.
SASTRY, K.S.S., 8507 Imperial Dr., Laurel,
MD 20811.
SCANLON, DENNIS L., 515 Plymouth Rd.,
SUMMERS, GERALD, Div. of Biol Sciences,
Univ. of Missouri, Columbia, MO 65201.
VOGT, DEBBY L., 110-7 Racine St., Rapid City,
SD 57701.
WILEY, MICHAEL J., 501 Mitchell Ct., Apt. A,
Champaign, IL 61820.
WILSON, MAUREEN M., 13329 Duffield Rd.,
Montrose, MI 48457.
WOOD, KATHLEEN, 121 Florene, Fayetteville,
AR 72701.
Membership Application

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

- Student Member (including those currently enrolled as college sophomores)—annual dues $4.00
- Active Member—annual dues $8.00
- Institutional Member (organizations, libraries, etc.)—annual dues $15.00
- 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 preceding 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 ___________________________________________________
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. Persons requesting student membership must furnish proof of their student status. Student members cannot vote nor hold office in society affairs.

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 48824.