

MICHIGAN ENTOMOLOGICAL SOCIETY NEWSLETTER

Volume 8, Number 2, March 1964

ANNUAL MEETING NOTICE

The Tenth Annual Meeting of the Society will be held on Saturday, March 28, at Michigan State University, East Lansing, in Room 401, Natural Science Building. Our meeting will be held in conjunction with the Annual Meeting of the Michigan Academy of Science, Arts, and Letters, of which we are a Section. A map showing routes through East Lansing to the Natural Science Building (courtesy of Julian Donahue) will be found at the end of the Newsletter. The Society will continue its policy of presenting awards for the best papers in two categories. President S. K. Gangwere (Wayne State University) will preside over the following program:

- 9:30 The effect of weather conditions on biting activity of Stomoxys calcitrans (L.). Ann C. Voegtline, George W. Ozburn and Gordon D. Gill, Northern Michigan University.
- 9:45 Scientific studies in the Michigan 4-H entomology program. Larry E. Babcock, Hickory Corners, Mich.
- 10:00 An exploration of the feasibility of using Escherichia coli and Enterococci as indicators of possible breeding sites of Stomoxys calcitrans (L.). Jean A. Love, Gordon D. Gill and Francis W. Kellner, Northern Michigan University.
- 10:15 Food selection and feeding behavior in Arphia sulphurea (Fabr.) (Orthoptera, Acrididae). S. K. Gangwere, Wayne State University.
- 11:00 The potato tuberworm, Gnorimoschema operculella (Zell.) in Michigan (Lepidoptera: Gelechiidae). Arthur L. Wells, Michigan State University.
- 11:15 Distribution, variation and importance of the species of Cicadulina (Hemiptera, Cicadellidae). Robert F. Ruppel, Michigan State University.
- 11:30 When species hybridize; a case in katydids. Theodore J. Cohn, University of Michigan.
- 11:45 Business Meeting and election of officers.

12:15 o'clock, Luncheon. Union.

- 1:30 The "ground water" habitat, with special reference to the watermite fauna. David R. Cook, Wayne State University.
- 1:45 Phyllophaga at light traps on the E. S. George Reserve, Michigan. Irving J. Cantrall, University of Michigan.
- 2:00 - 3:00 Methods and Procedures in Forest Insect and Pesticide Side-effects Research at Michigan State University.
- 2:00 Pesticide residues and their effects on terrestrial arthropods. J. W. Butcher.
- 2:10 Forest floor arthropods. Hugh Schooley.

- 2:20 Zimmerman pine moth ecology. Robert Carlson.
 2:30 Discussion break.
 2:40 Arthropod sampling evaluation. Jon Maki.
 2:50 Stream Arthropods. James Truchan.
 3:00 Sawfly predation by Formicidae. Steve Ilnitzky.
 3:00 Biology and control of the cereal leaf beetle. Robert F. Ruppel, Michigan State University.
 3:25 A new Cremastus (Ichneumonidae) parasite on Oberea (Cerambycidae). Henry K. Townes, American Entomological Institute, Ann Arbor, Michigan.
 3:30 Malaise trap data from an old-field insect community on the Edwin S. George Reserve. F. C. Evans, University of Michigan, and D. F. Owen, University of East Africa, Kampala, Uganda.
 3:45 Presentation of awards for best papers.

NEWS FROM THE BRANCHES

The Detroit Branch of the Society under the chairmanship of S. K. Gangwere, Wayne State University, has had three meetings at the University with attendance of between 30 and 40 entomologists at each meeting. The following programs were presented:

- Nov. 7: What's cricket in literature. William Kaleva.
 Recent advances in fecula. S. K. Gangwere.
 Jan. 16: Cantharides: their origin and importance. Roy D. McAnnally.
 A collecting trip to India. David R. Cook.
 Feb. 13: Collecting insects by light. Richard W. Holzman.
 Tierra del Fuego to Ecuador. T. H. Hubbell.

The East Lansing Branch has become active with a February 26 meeting attended by 56 entomologists! Dr. Guyer welcomed the group on behalf of the Entomology Department of Michigan State University, and Dr. Fischer gave a short account of the history of the Society. The main speaker of the evening was Dr. Justin W. Leonard, who spoke on "Mayflies of Michigan Trout Streams." Arthur Wells is Chairman of the branch.

The Ann Arbor Branch has had a very active program under the chairmanship of T. E. Moore of the Museum of Zoology, The University of Michigan. In order to keep the interest of the high school and grade school entomologists, Dr. Moore organized a special meeting just prior to the regular meeting, and there has been good attendance at both. The following programs were presented:

- Sept. 27: Oatmeal trails south of the equator. T. H. Hubbell.
 Oct. 25: Evolution of relative growth in Arthropods and humans. Ryuichi Matsuda.
 Junior Meeting: Introduction to insects; discussion of interests. I. J. Cantrall and T. J. Cohn.
 Nov. 15: The ecology of whirligig beetles. Conrad Istock.
 Junior Meeting: How and what insects eat. I. J. Cantrall and T. J. Cohn.
 Dec. 13: Oviposition behavior and its relationship to distribution in fern sawflies. Gottfried Hogh.

- Dec. 13: Junior meeting: Whom shall we lunch on today? or what (cont.) insects eat, and some spiders I have known. (Movies in technicolor). I. J. Cantrall.
- Jan. 31: The behavior of carpenter ants. Chris Saunders.
Junior meeting: Sounds in the night: natural history of of Ann Arbor grasshoppers, crickets, and katydids. T. J. Cohn.
- Feb. 21: Studying wood-boring insects with portable soft X-ray equipment. Demonstration of equipment, insects and negatives. Fred B. Knight.
Junior meeting: Sounds by day; Michigan locusts (or cicadas) and their relatives. Demonstration of collecting and recording equipment and cicadas. Thomas E. Moore.

NEWS FROM THE MEMBERSHIP

Carlo Brivio, Dept. of Biology, Maryglade College, Memphis, Michigan, is studying Chrysomelidae of the United States and that of Michigan in particular. He has been sorting the Chrysomelids of the collection of the Museum of Zoology, University of Michigan, and is putting together a general collection at Maryglade. This will be the American Branch of the P. I. M. E. Entomological Museum in Monza, Italy, which now has about 100,000 specimens of Coleoptera and which was established by Dr. Brivio in 1951.

Julian Donahue, Michigan State University, is working on the butterflies of India, of which 16,000 are the result of his own collecting in 1961 and 1962. These have been deposited in the MSU Museum. He collected birds, mammals and Orthoptera on the MSU Museum expedition to Mexico last summer.

William A. Drew is now at Oklahoma State University where he is teaching insect taxonomy and is in charge of the insect collection there.

Richard W. Holzman, Wayne State University, is studying Lepidoptera, especially Sphingidae, Arctiidae and Michigan Rhopalocera. He recently published "Collecting Sphingidae with Mercury Vapor Lamp" (Lep. Jour. Vol. 15, No. 3) and is still studying this method and the problems connected with it.

John Newman, South Lyon, Michigan, reports the development of a new insect trapping machine. It uses a black type light for attracting the insects, and a revolving screen which spins the insects into a container where they are killed by ethyl acetate or tetrachloroethane. This machine is being sold under the name "Spinsect."

Mogens C. Nielsen, President-Elect of the Society, Lansing, reports on the highlights of the 1963 season:

Considerable effort was made during the season collecting Michigan Lepidoptera - ranging from Lenawee to Schoolcraft Counties.

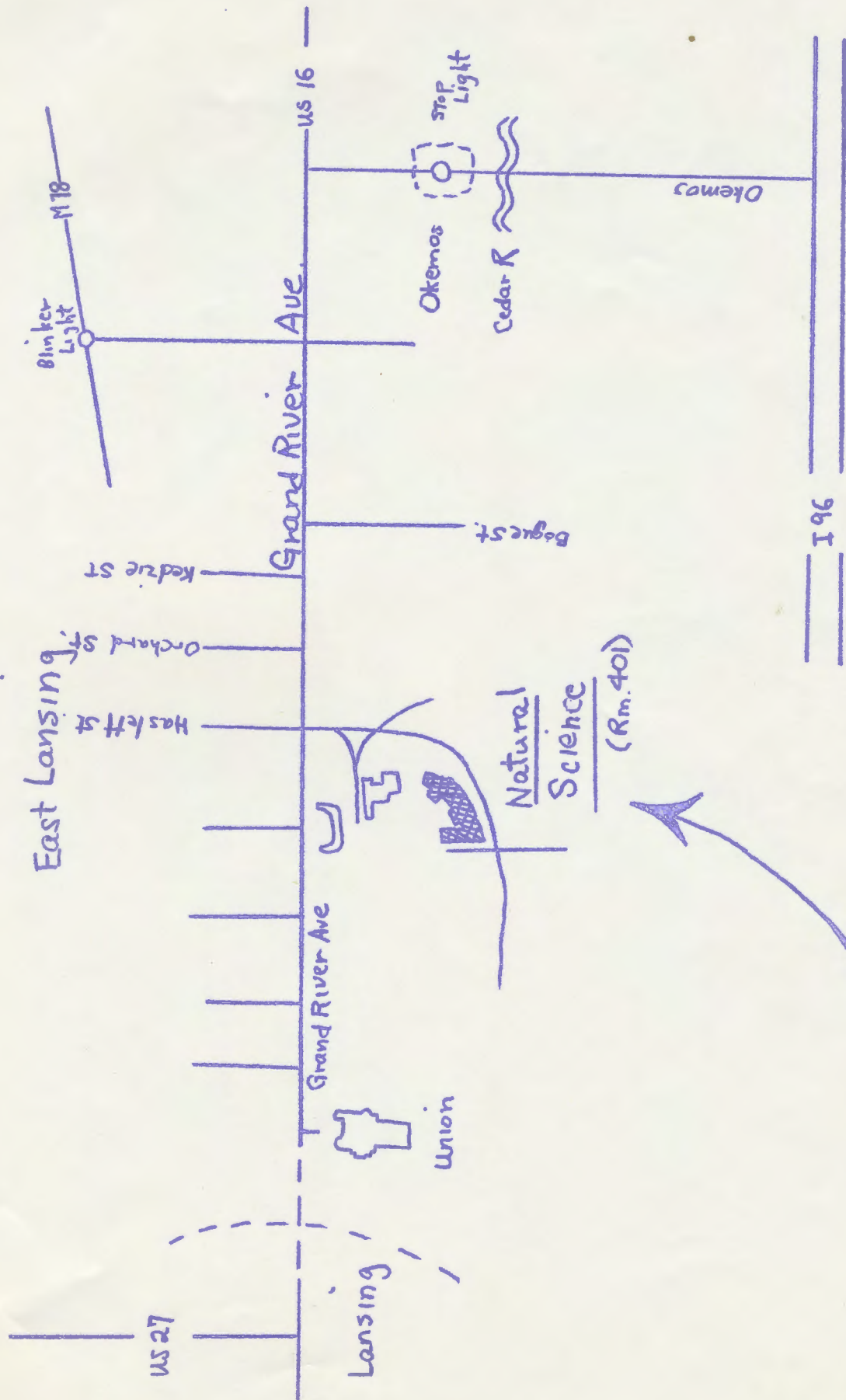
as last year. John H. Newman and I again spent 3 days over Memorial Day collecting in the large acid bog area north of Manistique in Schoolcraft County. We felt extremely fortunate to net both sexes of Boloria frigga in its favorite haunts under ideal weather conditions. Jack collected a specimen of Callophrys (Incisalia) henrici - the first record from the Upper Peninsula. Our joint efforts at UV and bait produced many desirable moths such as Polia tacoma, P. nevadae canadensis, Feralia comstocki, Graptolitha thaxteri and many choice Zales.

The biggest thrill of my life came on June 13-15, when I discovered Boloria eunomia dawsoni in Mackinac and Chippewa Counties - the first record of this subarctic butterfly from Michigan. A long series was taken, including both sexes, of this new record, which was later confirmed by Dr. A. B. Klots, noted authority on Boloria.

Later, during the summer and fall several southern species were taken including: Atalopedes campestris, Amyna octo and Alabama argillacea. The latter species was taken in four counties, including Marquette County, where it was found along the shore of Lake Superior after a violent storm. Also, a specimen of Herse cingulata was found in a student's collection at MSU. It is believed that this is the second record of this southern sphinx from Michigan. The extended hot weather during this period probably had something to do with the arrival of such typically southern species. Did anyone else observe this trend??

On July 13, I had the pleasure of collecting with W. S. McAlpine in the Grand Rapids area. We were rewarded with the capture of Oarisma powesheik - our prime objective in this locality. At the present time, this area is the only source of the Michigan records for this small, obscure skipper. Also collected were several other marsh skippers and Calephelis muticum - the swamp metalmark, originally described by McAlpine.

Virgil Wargynski, 1823 Garfield, Bay City, Mich., reports that he is interested in Lepidoptera, has been doing considerable collecting, and wishes to exchange specimens and data.



(No Parking Restrictions on Campus for
Academy Members and Guests)