THE SIXTH ANNUAL SPRING COLLECTING TRIP

Following the Annual Meeting at the Gull Lake W. K. Kellogg Biological Station (see enclosed program schedule), the annual spring collecting trip of the Society will get underway. Much depends on the weather and number of participants and their interests. Undoubtedly, several participants may start the collecting activities immediately after the Annual Meeting on Friday with the use of "blacklights" for various night flying insects. Two areas, some distance from the Biological Station, appear very interesting and suitable for collecting activities: Allegan State Forest and Yankee Springs Recreation Area. Both of these areas offer camping facilities in addition to their many varied collecting habitats. To assist each participant in deciding on camping and collecting areas, the following information is submitted:

CAMPING AREAS

1-Yankee Springs Recreation Area - Barry County. 20-25 miles from the Station. 12 miles SW of Hastings, 9 miles S of Middleville, by Gun Lake.
2-Allegan State Forest - Allegan County. 35-40 miles from the Station. Four campgrounds 6-10 miles W of Allegan off Monroe Rd.

Charles Binder Municipal Park - Calhoun County. 20 miles from the Station. 4½ miles S of Battle Creek on Beadle Lake Rd.
There are no camping facilities at Fort Custer Recreation Area.

COLLECTING AREAS

3-The Biological Station.
Kellogg Forest - About 5 miles S of Station. Variety of habitats with nice trails.
Wintergreen Lake, research area - Several habitats.
Hamilton Lake - 5 miles E. of Station just W of Calhoun County line. Tamarack area.
Harvey N. Ott Biological Preserve (Albion College) - 10-20 miles from Station East of Battle Creek. N from I-94 Business Loop on Wattles Rd. about 1 mile to Preserve sign. Park at end of lane and walk in along ridge to small lake and bog.

(continued on page 3)
ATTENTION ALL MEMBERS

One of the necessary, and sometimes unpleasant, chores of the Executive Secretary is to notify certain members whose dues are in arrears. Unfortunately, some 80 members who have NOT paid their 1969-70 dues have recently been notified by letter that Society publications will be withheld until these dues are paid, and that they will be dropped as members after 31 December 1970. Also, a disturbing number of members have still not sent in their 1970 dues. Please send in your dues immediately! May we suggest that you consider paying dues in advance, especially if you are apt to forget during the year. If you have any questions on whether you have paid or not, PLEASE contact the Executive Secretary at once!

Many members are not notifying the Society of their change of address—which is frequent among many university students. Failure to notify the Executive Secretary of your new address can only result in delayed or lost publications.

The NEWSLETTER of the Michigan Entomological Society is published four times yearly, with luck, at irregular intervals. Please send all notes, news, 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, Department of Entomology, Michigan State University, East Lansing, Michigan 48823.

Manuscripts intended for THE MICHIGAN ENTOMOLOGIST should be mailed directly to the Editor, Ronald S. Wilkinson, The Library, Michigan State University, East Lansing, Michigan 48823.
To obtain all of these NEWSLETTERS, please remit $1.75, payable to the Society, and forward to the Executive Secretary, c/o Dept. of Entomology, Michigan State University, East Lansing, Michigan 48823.

ATTENTION NEW MEMBERS

Several new members have requested information on topics which have appeared in the Society's NEWSLETTER published prior to becoming a member. We recommend that you order the following issues, while they are still available, for these articles:
1. "An Effective Method of Drawing Figures Directly from a Stereo Microscope", by H. C. Gordinier, Jr. - Vol. 12, No. 4, at $0.50.
3. Three items on more sources of entomological equipment, including "black lights" - Vol. 13, No. 3, at $0.50.

To obtain all of these NEWSLETTERS, please remit $1.75, payable to the Society, and forward to the Executive Secretary, c/o Dept. of Entomology, Michigan State University, East Lansing, Michigan 48823.

THE MICHIGAN ENTOMOLOGIST

The next mailing of THE MICHIGAN ENTOMOLOGIST will include three separate items: the index to Volume 1; Volume 2, No. 3 & 4; Volume 3, No. 1. Those of you planning to bind Volume 1 should wait until they receive the index. To insure receiving these interesting publications, be certain to inform the Executive Secretary of any change of address promptly, and submit your 1970 dues and those in arrears NOW! We expect this mailing in about 4 weeks.

THE ENTOMOLOGISTS' LUNCHEON

One of the most enjoyable traditions of our brethren in the East Lansing-Lansing area is the Entomologists' Luncheon, now in its seventh year. The very informal group meets every Friday at shortly before noon for food and refreshments, exchange of information, and good fellowship. Most of the originators have been attending since 1964, and anyone interested in entomology is welcome, whether he is amateur or professional.

The location of the Luncheon often differs from week to week, to accomodate people coming from various parts of the area, but it is always held in a Lansing-East Lansing restaurant or watering place. Those wanting weekly information can telephone R. Wilkinson, 517-355-3770, or J. Newman, 517-353-7294.

MICHIGAN WILDERNESS AREAS

Listed in the Geological Survey Bulletin 1260-I, J (Studies Related to Wilderness-Wildlife Refuges), are three National Wildlife Refuges presently under consideration by Congress for addition to the Nation's Wilderness System. The refuges are the "Huron Islands" in Lake Superior, "Seney" in Schoolcraft County and the "Michigan Islands" in Marquette (Pismire, Shoe and Scarecrow) in Lakes Huron and Michigan.

All of these refuges represent remote and ecologically interesting and potentially unique insect collecting areas. Especially interesting are the Huron Islands, which represent 8 islands, totalling 147 acres, located approximately 3 miles offshore from the famed Huron Mountains of Marquette County. The islands rise 200 feet above Lake Superior as granite upthrusts and are two-thirds covered with trees, shrubs, and low plants.

It would appear that these refuges, especially the islands, offer ideal collecting and study areas for insects—distribution of species, population dynamics, and relationships with mainland fauna. To our knowledge, there have been no insect studies of these refuges. The above publication may be obtained from the U.S. Government Printing Office, Washington, D.C. 20402 for 20 cents.

MORE ON ARTIFICIAL REARING OF INSECTS

The Northeastern Forest Experiment Station, Forest Service, USDA, has published the research note (NE-102, 1969), "Artificial Rearing of 10 Species of Wood-Boring Insects", by Jimmy R. Galford, Research Entomologist. Species with life cycles of up to 2 years in nature were reared on artificial media in less than 1 year. The artificial media formula is presented. A free copy may be obtained by writing to Forest Service, USDA, 6816 Market Street, Upper Darby, Pennsylvania 19082.

MODIFIED WINDOW FLIGHT TRAP

The Canadian Entomologist, Volume 100, Number 11, November, 1968, contains a paper, "A Flight Trap for Collecting Living Insects", by W. W. Nijholt and J. A. Chapman. A window flight trap, similar to that described in NEWSLETTER Vol. 14, No. 3 & 4, was altered by replacing a collecting fluid trough with a horizontal cylinder, covered at both ends with clear plastic or screen. Insects falling into the cylinder move toward the light at the ends and are readily collected. The trap is simple to construct and particularly effective for catching beetles.
It is time we took a brief look at our Society to see where we are today, and to examine the direction we are going. Like all dynamic entities our Society is growing up fast. We can not be classified as a small Society anymore—the membership consists of about 600 individuals and organizations in many countries. Also, we are truly international, because we have a Canadian Branch. In development, we are way past the egg stage, but, fortunately perhaps, we have not reached full maturity. We still have growing pains, but appear to be pliable and able to adapt and change scope and outlook as needs arise.

I still envision our Society as a group of insectophiles of both professional and amateur standing, and of interested youth who may become either, should the fires of enthusiasm, curiosity, and inquiry remain endkindled within them. Notice I stress that we as a Society are comprised of both amateurs and professionals, united by a common bond—the fun of 'playing' with insects. I think that a Society as viable as ours, no matter how large it becomes, should continue to be comprised of both. To be sure, a large Society excludes the amateur, or at least ignores him by catering almost entirely to the professional. As I see it this is not the direction for us to take. A Society of both is a definite asset to ourselves and to society in general. Even more than that, because today both are necessary components of the vast field of entomology. The professional is now highly specialized. His thoughts sojourn to exotic realms; he relies on and becomes entangled in the computer; he barely remains in touch with the insect itself. In fact, there are professionals who haven't seen an insect for years! The amateur too is often an expert in his own right. He is needed now more than ever to record basic knowledge of insects, and to collect and describe insect species that will soon be gone from our planet. As our Society grows, then, let it mature through understanding the importance of both the amateur and the professional.

Where do we go from here? We were the Detroit Entomological Society; we are now the Michigan Entomological Society. Should we become the 'North Central' Entomological Society or even a Society with broader coverage? The trend is in this direction. Our members move away from Michigan, but they want to remain associated with us. We recently broadened the scope of our journal, the Michigan Entomologist, to partly alleviate this—it now publishes material from areas beyond the North Central Region. However, is it enough to be an international Society with a 'local' name? This 'local' connotation, in part, prompted entomologists in several adjacent States to develop their own 'State' Societies. There is bascially nothing wrong with this, but the many members I have spoken to fear that each Society will soon be publishing its own journal. Searching for and keeping up with pertinent literature today is difficult enough without having more journals to contend with. Certainly each Society will enjoy the prestige of its own journal—after all we do—but would it not be more valuable to all to have one 'grand' journal than to have several lesser ones? One way to solve this would be to invite these new Societies to unite with our Society as affiliates or branches. This way we all would have a journal in common which each group would still be relatively independent. If this should come about, our Society may still have to change its name to satisfy members over a large area.

Its your Society, in what direction do you think we should go? LOUIS F. WILSON

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PLANT A TREE, SHRUB OR FLOWER TODAY:

NEW MEMBERS

BURNETT, STEVE, 3044 Tulsa Dr., Jackson, Mich. 49203. 4-H member, collecting and breeding. Student.

BUTLER, GARTH, RR. #1, 104th St. , Howard City, Mich. 49329. 4-H member, collecting, and insect photography. Student.


DUNCAN, J. BRUCE, 5821 So. 2150 West, Roy, Utah 84067. Pest control, collecting, biology and ecology of Saturniidae, Hymenoptera and North American LEPIDOPTERA.


KAULENS, EDVINS, Dept. of Biology, Wayne State Univ., Detroit, Mich. 48202. Aquatic insects, biology and ecology of PLECOPTERA, MEGALOPTERA.


MACNAUGHTON, ALAN, 236 Guelph St., Kitchener, Ontario. Collecting, biology and ecology of LEPIDOPTERA.

MAYER, LORI, 1476 Lobo, Carleton, Mich. 48117. 4-H member, behavior, collecting and insect photography of LEPIDOPTERA, COLEOPTERA.


WITTER, JOHN A., Ent., Fisheries, and Wildlife Dept., Univ. of Minnesota, St. Paul, Minn. 55101. Biology and ecology of the Forest Tent Caterpillar (population and natural control studies).

NEWS OF MEMBERS

JULIAN P. DONAHU reports that in mid-June he will move to Los Angeles, where he will curate the collection of LEPIDOPTERA at the Los Angeles County Museum of Natural History. Julian first came to Michigan in 1958, when he entered Michigan State University as a freshman. With the exception of sixteen months, he has been attending MSU ever since, and figures it is about time to earn an honest living. Julian was Executive Secretary of the Michigan Entomological Society from 1964 to 1968, and was the founding editor of THE MICHIGAN ENTOMOLOGIST. He will take office as President of the Society at this year's Annual Meeting. His research interests have included North American taxonomic research on the moths and butterflies of the southwestern United States, Mexico, and Central America, in addition to continuing research on some groups of Oriental butterflies. We wish him much success in his new position!
NEW PUBLICATIONS FROM THE U.S. GOVERNMENT

HORN FLIES ON CATTLE... HOW TO CONTROL THEM. Rev. 1969. 8 p., il. Al. 35:388/8. $.10.


(Order from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, enclosing the amount indicated in cash, money order, or Superintendent of Documents coupons.)

NEW PUBLICATIONS OF MEMBERS


CHECKLIST OF ONTARIO SKIPPERS AND BUTTERFLIES

The Toronto Entomologist's Association, along with members of the Toronto-Ontario Branch, have recently published a new checklist of Ontario skippers and butterflies--species which may occur within the boundaries of the Province of Ontario. This publication, without annotations, is expected to be the basis for a future comprehensive distributional list of Ontario skippers and butterflies. The checklist, together with the 1969 butterfly seasonal summary, may be obtained for $1.50 from Ron Michaels, President, Toronto Entomologists' Association, 53 Duncan Drive, Georgetown, Ontario.

A CLEAN EARTH IS A GOOD EARTH

PLANS FOR NEW MOTH BOOK

Eric W. Classey, internationally known publisher and bookseller from England, briefly visited the Michigan State University Entomology Department on 1 April 1970. Mr. Classey, who specializes in new and used books on insects, was in East Lansing to discuss final plans for distributing THE MOTHS OF AMERICA NORTH OF MEXICO. His North American agent for this series is Entomological Reprint Specialists in East Lansing. This work, which will have full-color photographs of all 10,000 species of North American moths, will be published in 41 parts, with a complete descriptive text. The first two parts, on the sphinx moths and the wild silk moths and their allies, will be published in late 1970. Complete details and an illustrated brochure will be mailed to American entomologists in early May.

RESEARCH REQUESTS

LETHE: Urgently need specimens of the genus Lethe (Satyriidae) from the following States: Florida, Georgia, North Carolina, South Carolina, Virginia, West Virginia, Kentucky, Tennessee, eastern Arkansas, southern Illinois, Ohio, Indiana, Pennsylvania and New Jersey. Especially needed are specimens from Cane associated habitats. Will purchase or have many species of nearctic Lepidoptera for exchange from the Midwest and southern Texas. Richard Heitzman, 3112 Harris Ave., Independence, Missouri 64032.


NOTICES

SELL OR TRADE: A quantity of wild Promethea cocoons available at 25 cents each, or $2.50 per dozen. Correspondence welcome to arrange possible trades for other silkmoth species. David Appleheimer, 245 East 44th Street, Fresmont, Michigan 49412 (Phone 616-924-4577).

INFORMATION WANTED: I would appreciate any information concerning any decline of butterfly populations over a period of 10 to 25 years in any given area, particularly where related to the use of pesticides. Information will be used as part of a commissioned survey, results to be published by a national conservation magazine. Mrs. Jo Brewer, 300 Islington Rd., Auburndale, Mass. 02166.

WANTED: Correspondence invited with resident Upper Peninsula lepidopterists, students, 4-Hers, interested in collecting local species. Especially interested in obtaining material and/or data of boreal species occurring in bogs, marshes, pine plains, etc., such as Hesperiodae, Nymphalidae (Boloria), Lycaenidae, Satyridae, and Noctuidae. Will offer to exchange specimens and make determinations of material. M. C. Nielsen, 3415 Overlea Drive, Lansing, Michigan 48917.
A new monthly journal, ENTOMOLOGY ABSTRACTS, was initiated in November, 1969, by specialists on the staff of Information Retrieval Ltd. of London, authors of six companion abstracting services in the life sciences. The journal features more than 6,000 abstracts per year relating to pure entomology from 1,730 primary journals from 50 countries. Other features include: all abstracts in English (av. length of 150 words); author index; all papers abstracted within 3 months of original publication; complete bibliographic data, including authors’ names and addresses; annual index. Subscription at $150 a year. Write to CCM Information Corp., 909 Third Ave., New York, N. Y. 10022.

LOST MEMBERS

Can you help us? We are still attempting to locate the following members whose addresses are unknown at this time (former addresses listed):

Freier, Jerome, 1215 Vernon Drive, Apt. 27, Mt. Pleasant, Mich.
Sliwa, David D., 27 Richmond Lane, Adams, Mass.
Tenen, Gary, 2618 W. Rosemont Ave., Chicago, Ill.
Terrill, James E. Jr., Watervilet, N.Y.

If you know the whereabouts of any of these members, please notify the Executive Secretary immediately.

DON'T BE A LITTER "BUG"--LEAVE ONLY FOOTPRINTS!

MICHIGAN ENTOMOLOGICAL SOCIETY

The Kalamazoo Nature Center is now offering two new environmental bumper stickers: "STAMP OUT POLLUTION" appears in bold white print on the heel and sole of a shoe which is black; "HAVE YOU THANKED A GREEN PLANT TODAY?" is printed in black on a bright green background. The stickers sell at 25 cents each. Purchase of these stickers will not only inform others about pollution problems, and let them know you care, but will contribute to various environmental education programs at the Nature Center. Write Kalamazoo Nature Center, Inc., 7000 North Westnedge Avenue, Kalamazoo, Michigan 49001.

NATURAL RESOURCES FILMS

Those of you planning Branch meetings, and various school and university programs, may be interested in obtaining certain natural resources 16 mm films from the Michigan Department of Natural Resources. Film titles include Birds and Migration, Nature’s Engineer--The Beaver, Bulldozed America, Population Ecology, The Seasons and many other interesting topics. Most films are in color and sound, and all are available without charge. Catalog of these motion picture films is available from Publications,
PROGRAM
Auditorium
M.S.U. Gull Lake Biological Station
Hickory Corners, Michigan
Friday, 22 May 1970

CHAIRMAN: Louis F. Wilson, President

9:00 Registration, coffee and doughnuts
9:00 Meeting of the Governing Board, Michigan Entomological Society.

MORNING SESSION
(Five minutes have been allowed for discussion following each paper.)

10:00 Welcome. Announcements.
10:25 Larvae of water mites and their significance in the classification of water mite adults. V. Prasad, Wayne State University. Illustrated.

11:00 Mid-morning break; coffee and doughnuts
11:10 Business Meeting
12:00 Luncheon Recess

AFTERNOON SESSION

2:05 A comparison of the terrestrial insect fauna of Jamaica, West Indies, with that of Ohio. Howard W. Hintz, Heidelberg College.
2:20 A new podapolipid mite from Coleoptera; Coccinellidae collected near Alpena, Michigan in 1969 and a revised key to genera of Podapolipidae. Robert W. Husband, Adrian College. Illustrated.

2:30 Preliminary report on investigations on the biology of mites from nests of bumblebees. (Especially Pneumolaelaps spp.: Laelaptidae and Kuzinia laevis; Acariidae.) Robert W. Husband, Adrian College. Illustrated.
2:50 Mid-afternoon break; coffee and doughnuts

*3:05 SLIDE-FEST

3:35 Film of the 1969 Spring Collecting Trip at Alpena. Filmed by Fred Trost for Mort Neff's "Michigan Outdoors" television program.
4:15 Field Trip Discussion (logistics, locations, personnel).

SATURDAY, 23 May 1970
Auditorium
8:30 Programs at Kellogg Biological Station. George Lauff. Illustrated.
9:00 TOURS. A. Sanctuary and Forest
B. Kalamazoo Nature Center

AFTER THE MEETING: Sixth Annual Spring Collecting Trip
Saturday and Sunday, 23-24 May 1969
Gull Lake Biological Station and vicinity
Details in NEWSLETTER 15(2) and at the annual meeting

*Participants in the Slide-Fest are limited to five 35mm slides, on any entomological subject of a serious or humorous nature, and two minutes presentation time. Please give your slides to the projectionist during the recess preceding the slide-fest.

1970-1971 OFFICERS OF THE SOCIETY

President Julian P. Donahue
President-Elect to be announced
Executive Secretary M. C. Nielsen