MARK F. O'BRIEN

NEWSLETTER

Michigan Entomological Society

Volume 13 Number 4 31 December 1968

PRESERVING NATURAL AREAS

Have you ever felt sad, frustrated, or just plain "mad" when you saw a bulldozer or dragline rip apart your favorite collecting habitat, scenic lookout, or bit of countryside? If you are an insect collector, naturalist or an outdoor enthusiast, the chances are that you have experienced this feeling--probably many times during recent years, especially if you live near any spreading urban area. But what have you done about it? Probably nothing! You either have the attitude that nothing can be done, or you believe (wrongly in most cases) that the local, state, or federal government will step in at the last minute and save it for posterity.

Changing the countryside has always been an American custom, starting with the vast clearing of the Eastern forests to make way for farms and cities. Today, especially in southern Michigan, the process continues with land developers, realtors, and landowners scheming to turn the last vestige of the natural scene into more subdivisions, lake-front lots and resorts, shopping centers, industrial parks, etc. Examples would include the multi-development plan now threatening the beautiful Grand Mere Dunes in Berrien County with its unusual and varied ecological areas; the Newaygo County prairies with unusual plants and insects, typical of the Great Plains, being decimated with Christmas tree plantations; the Lake Erie marshes that contain such a variety of unique living organisms, including the American lotus and American egret, constantly being dredged and filled. Undoubtedly, the list could include many other natural areas, both large and small, which are being purchased for some type of development or speculation.

Yet, there IS something you can do to prevent total destruction of these priceless chunks of natural heritage. By supporting one of several existing organizations, such as the Nature Conservancy, dedicated and experienced in acquiring wild lands, you can have the satisfaction of helping to save some natural area from eventual oblivion!

Perhaps it may be your favorite collecting area, harboring a unique colony of insects not found elsewhere. Scientists, too, will find it necessary to use natural areas as a control to compare the effect of treatment applied to the surrounding land--be it insecticides, herbicides, fertilizers or changes in land use. The natural area organizations have also been successful many times in purchasing or optioning wild lands within state and national parks and forests, where the difficulties of obtaining public funds would either prohibit purchase or cause the land to sky-rocket in value.

All too often, it has been the botanists and ornithologists that have been the prime movers in these efforts to acquire natural areas which, in reality, benefit all naturalists, scientists and the general public. Don't you agree it is time that we entomologists, both professional and amateur, lend a helping hand in preserving these natural areas? This is a time for personal involvement. There is still time for action on the part of all of us! If you are interested, contact any of the following organizations for further information:

EASTERN MICHIGAN NATURE ASSOCATION - Miss Bertha Daubendiek, Executive Secretary, 124 Miller Ave., Mt. Clemens, Michigan 48043;

GRAND MERE ASSOCATION, INC. - Box 140, Stevensville, Michigan 49127;

MICHIGAN NATURAL AREAS COUNCIL - Dr. Ronald Kapp, President, Alma College, Department of biology, A Alma, Michigan 48801;

THE NATURE CONSERVANCY - 1522 K Street, N.W., Washington, D.C. 20005

----M.C. Nielsen

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DIRECTORY OF MICHIGAN INSECT SPECIALISTS

In an effort to help members with the identification of their MICHIGAN insect specimens, the following specialists may be called upon for assistance. These specialists were listed in earlier issues of the NEWSLETTER; however, it would appear that many of the newer members would be interested to know who they can turn to for help in identifying their specimens. Assistance is given under the usual terms: (1) first obtain permission to send the specimens; (2) the specialist has the privilege of retaining any specimens he desires, with the approval of the sender; (3) the sender pays transportation charges both ways; (4) specimens should be mounted (if customary) and ready for study; (5) all specimens must have accurate data, locality and collector information (notes as to habitat, weather condition, etc., are often of value).

COLLEMBOLA (Springtails): Richard J. Snider, Dept. of Entomology, Michigan State University 48823. All specimens should be collected and preserved in 95% ethyl alcohol, with date, locality and habitat information (i.e., under bark, on water, in deciduous leaf litter, etc.).

COLEOPTERA- Chrysomelidae: Rev. Prof. Carlo Brivio, Maryglade College, 400 Stoddard Road, Memphis, Michigan 48041. Data on food plants, especially for genera such as Chrysomela, Calligrapha, Paria are very important.

(continued on page 5)

The Executive Secretary's Page

1968-1969 OFFICERS OF THE MICHIGAN ENTOMOLOGICAL SOC.

President: . . . . . Dr. T. Wayne Porter
President-Elect: . . . . . Dr. Louis F. Wilson
Executive Secretary: . . . . . M.C. Nielsen

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THE ENTOMOLOGISTS' CALENDAR

26-28 MARCH 1969, 24th Annual Conference, North Central Branch, Entomological Society of America, Columbus, Ohio (info: J. T. Schulz, Dept. of Ent., North Dakota State Univ., Fargo, N. D. 58102).

28 MARCH 1969, 73rd Annual Meeting, Michigan Academy of Science, Arts, and Letters, University of Michigan, Ann Arbor (info: Zoology Section Chairman John A. King, Dept. of Zoology, Mich. State Univ., East Lansing, Michigan 48823).

23-25 MAY 1969, 15th Annual Meeting and 5th Annual Spring Collecting Trip, combined, Michigan Entomological Society. Location to be announced.

14-17 JUNE 1969, 20th Annual Meeting, The Lepidopterists' Society, Michigan State University, East Lansing (local arrangements: F. W. Stehr; program chairman, J. P. Donahue, Dept. of Ent., Mich. State Univ., E. Lansing 48823).

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ATTENTION ALL MES MEMBERS

Your Executive Secretary wishes to THANK all members who have paid their 1969 dues (advance and dues in arrears). The response to date has been very good. Likewise, those members who made contributions along with their dues are to be commended for their timely generosity. May other members follow their example!

All members who have NOT paid their 1969 dues (and dues in arrears) are urged to do so promptly. Be certain to report any address changes IMMEDIATELY as a new membership list is being prepared. We are holding several MES publications returned for lack of forwarding addresses. Depending on membership status, you should have received Vol. 1, No. 9 of the JOURNAL and Vol. 13, No. 3 of the NEWSLETTER. If you have not received these, please contact the Executive Secretary.

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STATE SALES TAX

An application was filed with the Michigan Department of the Treasury, Revenue Division, for MES exemption from Michgian sales tax (4%). A recent reply from Mr. B. C. Holderied, Director of Sales and Use Taxes, held that MES does NOT fall within the scope of the present statute for organizations exempt from payment of State sales tax. It would appear from the statute language that we may be able to comply if we incorporate under the laws of the State.

NEWS OF THE BRANCHES

DETROIT: In place of their usual Fall Meeting, the Detroit Branch invited all members to attend a special seminar sponsored by the Biology Department of Wayne State University on November 21. Featured at the seminar was Dr. D. Keith McE. Kevan, Chairman, Department of Entomology, MacDonald College of McGill University, Quebec, Canada, who discussed certain current aspects of orthopterology. If you wish to be advised of future meetings, please contact Dr. S. K. Gangwere, Dept. of Biology, Wayne State University, Detroit, Michigan 48202.

TORONTO: During the past summer, the Toronto Branch held a combined picnic and field trip in the Georgian Bay area. As this event was successful, plans are being made for similar outings next season. Meetings scheduled for the fall began in October, holding two meetings to date. The next meeting will be held on Saturday, January 25, at the Royal Ontario Museum, Room 4, at 2:00 p.m. Subsequent meetings will be held in February, March and April. The dates will be announced at a later date. Anyone interested in attending these meetings can write to the Branch Secretary-Treasurer, Ron Michaels, 53 Duncan Drive, Georgetown, Ontario, Canada. Also planned is a combined outing with the Toronto Field Naturalists in search of Columbia cocoons in February.

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NEEDED--ITEMS FOR NEWSLETTER

In an effort to publish the NEWSLETTER four times per year and yet try to be of interest to most members, we again urge you to send in news items of members, collecting experiences, new publications of members and others, notices of sale or exchange, new equipment, Branch doings, field trips, interesting species collected, and so on. Actually, there is no limit to what might be sent except that it should be of an entomological nature or be of interest to our members--who, by the way, have a wide range of interests.

We would like to publish in the next issue summaries of new or interesting insects collected in 1968, especially in Michigan, but not limited to this state. Inasmuch as the bulk of our members hail from the Great Lakes area, new records from the bordering states and Ontario would be appreciated. Naturally, we are not interested in, nor would space permit, lists of common species taken during the entire collecting season. Please give this your immediate attention! Send your news items to the Executive Secretary.

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Far-smelling. A fortune awaits any man who can develop for girls a perfume as irresistible as that produced by the female gypsy moth. Less than a hundred millionth of an ounce of attractant scent released by one of these feminine flutters will bring scores of bull moths stampeding to her from up to half a mile distant. (Hal Boyle)

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.

● REPORT OF THE FOURTH ANNUAL SPRING COLLECTING TRIP ●

The Society's 1968 Spring Collecting Trip was held over the Memorial Day period, 29 May-June 2, at the Yankee Springs State Recreation Area, Barry County, Michigan. (See NEWSLETTER 13(2) for trip announcements.) Most of the 24 persons attending were lucky enough to find a camp site at the Deep Lake Campground within the Recreation Area which was crowded with campers and trailers. The campground, as it turned out, was ideally located for general insect collecting and provided a rendezvous for many of the participants who planned short and frequent collecting trips into the surrounding area. Some of the ecological areas that were sampled for diurnal and nocturnal insects included hardwoods (bottom of "Devil's Soup Bowl"), scrub oak, pine plantations, abandoned farmsteads and bog. Some collected at Otis Lake (surrounded with a tamarack bog), located about three miles east of the campground in the Barry State Game Area, and were rewarded with choice species accompanied by the haunting cry of a loon. The weather, for a change, was pleasant for all types of collecting and camping--enough sunny days and cloudy evenings to please the most discriminating collector!

The purpose of the trip was to collect all orders of insects in this unique area, heretofore not so intensively collected, and to expose the younger members to various collecting methods and techniques. Aerial and sweeping nets provided most of the diurnal insects, while ultraviolet lights and bait were used for nocturnals. Some of the participants were initiated to use of the 15-watt UV light used with an inverter plugged into an auto, and the application of beer-molasses bait. Adult and immature insects were also taken by searching and beating various plants; some were collected in rotted logs, stumps or under rocks.

Again, it was the lepidopterists who appeared in the greatest numbers; consequently, the Lepidoptera were well-reported. However, many choice Coleoptera, Diptera, Hemiptera and Hymenoptera were also collected; but, unfortunately, these records were not reported at this time for lack of a specialist to help with the determination. (See "Specialists" elsewhere in this issue.) The following records and observations are reported as interesting and noteworthy (name of observer in parentheses).

COLEOPTERA

CINCINDELIDAE: Cicindela sexguttata--several taken along sand trails (Taft, Wilkinson).
CARABIDAE: Calosoma scrutator--one adult and larva collected during the day (Taft, Nielsen).
SCARABAEIDAE: Phanaeus vindex and Pinotus carolinus--several of these dung beetles collected at UV (Irons, Little, Martinat, Wilkinson).

DICTYOPTERA (det. by Irving J. Cantrall)

Parcoblatta pensylvanica - one male and one juvenile - new county record (Martinat).
Parcoblatta uhleriana - one male - new county record (Martinat).

DIPTERA

ASILIDAE: Laphria huron (det. by Norman Baker, MSU)--one collected of this scarce Robberfly--new county record (Martinat).

LEPIDOPTERA

HESPERIIDAE: Fourteen species were collected, including Erynnis icelus and persius--both county records. Long series of E. martialis and Achalarus lyciades were taken in scattered locations (Donahue, Little, Martinat, Nielsen).
PAPILIONIDAE: Papilio glaucus-melanic female taken "hilltopping" (Nielsen).
LYCAENIDAE: Callophrys niphon clarki--two fresh specimens collected on sand trails in scrub oak--new county record (Taft, Donahue).
SPHINGIDAE: Sphecodina abbottii--one immaculate collected at UV--new county record (Folkertsma).
SATURNIIDAE: Hemileuca maia--many larvae collected on black oak; subsequently preserved and reared--new county record (Donahue, Taft).
ARCTIIDAE: Pygarctia spraguei--one immaculate at UV--new county record and earliest date of record (Donahue).
Haploa sp.--numerous larvae collected on oak, lupine, stoneseed, winged sumac, etc. (Donahue, Nielsen).
NOCTUIDAE: Lepipolys perscripta--one taken at UV--new county record and second location in state (Nielsen).
Abrostola ovalis--two fresh specimens at UV--new county record and second location in state (Donahue).
Catocala sp.--three small larvae beaten from young shagbark hickory trees (Nielsen, Taft).
Euparthenos nubilis--several fresh specimens at UV and bait--new county record (Donahue, Nielsen, Wilkinson).
Allotria elonympha--one immaculate male at bait (beer & molasses)--new county record and third location in State (Nielsen).
ETHMIIDAE: Ethmia fuscipedella--several immaculate at UV of this rare Micro--new county record (Nielsen).
OECOPHORIDAE: Psilocorsis reflexella and quercicella and Agonopterix atrodorsella taken at UV--new county records (Donahue).
PHALONIIDAE: Commophila contrastana--one taken at UV and first in the MSU collection--new county record (Donahue).
OLETHREUTIDAE: The following species were collected by Donahue and identified by William E. Miller; records cited in accordance with Miller's compilation of the Olethreutidae of Michigan.

COUNTY RECORDS: Anchylopera burgessiana and semiovana, Ancylis divisana and mediofasciana, Epiblema obfuscana and scudderiana, Epinotia timidella, Episimus argutanus, Eucosma pergandeana and tocullionana, Grapholitha eclipsana, Gretchena watchungana, Olethreutes bipartitana, and glaciana, Phaecasiophora niveiguttana, Phaneta awemeana and striatana.

STATE RECORD: Phaneta montanana (Walsingham)--one specimen.

ORTHOPTERA (det. by Irving J. Cantrall)

Ceuthophilus sp. - one juvenile female - new county record (Martinat).
Chortophaga viridifasciata - one male - new county record (Martinat).
Gryllus veletis - one female - new county record (Martinat).

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BEAR LAKE BOG FIELD TRIP

An evening of "blacklighting" was conducted by Julian P. Donahue on 20 July at Bear Lake Bog, located in the southeast section of Lansing, Michigan, in Ingham County. With Julian were two young and eager members of MES: Casey McCarthy and Bill Taft, Jr. The purpose of this collecting was to sample mid-summer moths in a bog habitat, uniquely lying within the city-limits and, yet, similar to bogs located in more northern counties. Typical plants in the bog include paper birch, tamarack, black spruce, Vaccinium, pitcher plants and sphagnum moss--surrounding a small lake. The trio collected numerous moths and other insects, including the giant diving beetle (Dytiscus sp.) and water bug (Lethocerus sp.). Some of the following moth records are listed as both interesting and noteworthy:

NOCTUIDAE: Catocala gracilis--a good series of this diminutive "cat" was collected--a new county record;

Hypenodes sp.--several specimens taken, awaiting determination;

PYRALIDAE: Synclita obliteralis--numerous;

PLUTELLIDAE: Cerostoma xylostella--four specimens collected;

OLETHREUTIDAE: Anchylopera subaequana, Aphania youngana, Epiblema otiosana, Epinotia misella criddleana, Exartema permundanum, E. valdanum, Phaecasiophora niveiguttana (all det. by William E. Miller)--all are new county records.

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FIELD TRIP TO CASS-ST. JOSEPH COUNTIES

A week-end of station-wagon camping was conducted by M. C. Nielsen on 16-18 August, to the Wakelee Bog in Cass County and the Three Rivers State Game Area in St. Joseph County, Michigan. Ron Wilkinson and Bill Taft, Jr., accompanied Nielsen on the trip which started Friday afternoon, departing Lansing for the Wakelee Bog to meet another MES member, Pat Conway of Chicago. Unfortunately, a tornado threat advancing toward Wakelee forced a last-minute change of plans, diverting the trio to the Three Rivers Game Area for safety, and preventing contact with Conway, who finally arrived at Wakelee on Sunday, 17 August, only to collect a few of the more common butterflies.

The purpose of the trip was to collect Catocala and other Lepidoptera, especially in the Wakelee Bog which may be considered as a "natural area" for preservation (see article on "Natural Areas" in this issue), and to reconnoiter other areas in the two counties for future collecting locations.

The torrential rain spoiled collecting the first night and reduced diurnals during the remainder of the trip. However, they were still successful in their primary objective of collecting Catocala--at least 17 species recorded using bait (beer & molasses), 15-and 40-watt ultraviolet lights used with an auto inverter, and searching and tapping tree trunks during the day. The latter technique was particularly productive for "cats," which were captured using a large cyanide jar and aerial net after first being flushed (many were hiding under shagbark of hickory) by striking the trunk with a wooden club or net handle. One person would strike the tree while the other two stood off to watch for the moth as it catapulted from hiding and flew to another nearby tree--sometimes lost from sight in thick brush. The following Catocala were recorded from this brief trip: epione, judith, angusi, retecta, palaeogama, neogama, ilia (two forms), cerogama, relicta, parta, unijuga, cara, concumbens, ultronia, grynea, praeclara, amica. In most cases, the species represent new county records.

The Russ Experimental Forest (MSU), located about seven miles north of Cassopolis, Cass County, was visited as a possible collecting site. The tulip-poplar plantations there appear to be an ideal location for Callosamia angulifera--the scarce tupliptree silkmoth. Perhaps a UV light in June would produce a few angulifera, especially females for rearing purposes. Plans are already being made for a return trip next year. Anyone interested?

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NEWS OF MEMBERS

DAVID A. EVANS recently received a travel grant which allowed him to spend three weeks working on mutillids with Dr. William E. Ferguson at San Jose State College.

ROLAND L. FISCHER reports that the MSU entomology museum is now being enlarged by about a third on the 4th floor of the Natural Science Building on the main campus. Anyone interested in viewing their fine insect collection should contact Dr. Fischer, Dept. of Entomology.

RONALD W. HODGES, USNM, noted Micro-lepidopterist, is collaborating with John G. Franclemont, Cornell, and Douglas C. Ferguson, Yale, specialists in Noctuidae and Geometridae, respectively, as general editors of a moth book which will feature each species (10,000 plus) with a colored photograph and general discussion. This should be a boon to all lepidopterists, especially those interested in the moths. As soon as details are known of the publication date, cost, etc., the NEWSLETTER will keep you informed.

THEODORE HUBBELL, recently retired Director of the Museum of Zoology, University of Michigan, left Ann Arbor this past August for a trip around the world. The noted orthoptera authority will spend some time in Australia with RICHARD ALEXANDER before returning home next May.

NECROLOGY

● DR. PAUL H. WOOLEY, 43, of 134 Kenberry Drive, East Lansing, died of an apparent heart attack on 31 October 1968. He had been an MSU professor and extension specialist in the control of insects on fruits, vegetables and ornamentals. Wooley, a native of Detroit, taught at Cornell before coming to MSU in 1963. A 1950 graduate of Michigan State, he received his Ph.D. from Oregon State University in 1955. He was also a member of the Entomological Society of America, the American Phytopathological Society and the Michigan Horticultural Society. A veteran of World War II, he also was active in the Boy Scout program. Surviving him are his wife, Pauline, and two sons, Michael and James.

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RESEARCH REQUEST

WANTED: Specimens and collection records of Michigan Mutillidae (velvet ants). Also need information on good mutillid collecting localities in state. Please send information to David A. Evans, Assistant Professor, Department of Biology, Kalamazoo College, Kalamazoo, Michigan 49001.

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(continued from page 1)

HOMOPTERA-Cicadidae: Dr. Thomas Moore, Museum of Zoology, University of Michigan, Ann Arbor, Michigan 48104.

LEPIDOPTERA-Butterflies, Sphingidae, Saturniidae, Catocala: M. C. Nielsen, 3415 Overlea Drive, Lansing, Michigan 48917. Especially interested in Michigan Hesperiidae. Material can be sent spread or papered.

LEPIDOPTERA-Moths (except Micros): John H. Newman, Department of Entomology, Michigan State University, East Lansing, Michigan 48823. Material should be spread.

LEPIDOPTERA-Moths (Microlepidoptera and Arctiidae) and Lepidoptera larvae: Julian P. Donahue, Dept. of Entomology, Michigan State University, East Lansing, Michigan 48823. Only pinned (not necessarily spread) adults and well-preserved larvae, all with complete data, will be accepted.

ORTHOPTERA (General): Dr. Irving J. Cantrall, Museum of Zoology, University of Michigan, Ann Arbor, Michigan 48104.

ORTHOPTERA-Crickets and Katydids: Dr. Richard Alexander, Museum of Zoology, University of Michigan, Ann Arbor, Michigan 48104

We hope that other member specialists will offer their help to fellow members in identifying their Michigan insects. Remember, many of those who need this assistance are young potential entomologists. Also, for those specialists interested in new Michigan records, this will afford you an excellent opportunity to obtain new records and data! If interested, please write to the Executive Secretary.

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NEW PUBLICATIONS OF MEMBERS

Clench, Harry K., "Butterflies from Coahuila, Mexico," J. Lepid. Soc., 22:227-231, 1968.

Evans, D. A. and J. T. Medler, "Flight Activity of the Corn Leaf Aphid in Wisconsin as Determined by Yellow Pan Tray Collections," J. Econ. Entomol., 60:1088-1091, 1967.

Evans, D. A. and J. T. Medler, Laboratory Investigations of Flight Activity and Production of Alatae in the Corn Leaf Aphid, Rhopalosiphum maidis (Homoptera: Aphididae). Ann. Entomol. Soc. Amer., 61:60-64, 1968.

Fremling, Calvin R., "Documentation of a Mass Emergence of Hexagenia Mayflies from the Upper Mississippi River," Trans. Am. Fish. Soc., 97(3):278-280, illus., 1968.

Hardwick, D. F., "A Brief Review of the Principles of Light Trap Design with a Description of an Efficient Trap for Collecting Noctuid Moths," J. Lepid. Soc., 22:65-75, illus., 1968.

Hessel, Sidney A., "A Taxonomic List of Philatelic Lepidoptera," J. Lepid. Soc., 22:241-252, 1968.

Irwin, R. R., "Thymelicus Lineola (Hesperiidae) in Illinois," J. Lepid. Soc., 22:21-26, Fig., 1968.

Masters, John H., "First Records of Two Butterflies in Wisconsin (Nymphalidae, Pieridae)," J. Lepid. Soc., 22:252, 1968.

Rawson, G. W., "Study of Fluorescent Pigments in Lepidoptera by Means of Paper Partition Chromatography," J. Lepid. Soc., 22:27-40, Fig., 1968.

_____, (addendum to above) J. Lepid. Soc., 22:240, 1968.

Shull, E. M., "Thymelicus Lineola (Hesperiidae) in Indiana," J. Lepid. Soc., 22:20, 1968.

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NEW PUBLICATIONS FROM THE U.S. GOVERNMENT

SUGARBEET INSECTS, How to Control Them. Describes the different types of insects that attack and damage sugarbeets. Tells what insecticides to use, how to apply it, and what precautions are used. Rev. 1968. 25 p. il. A 1.9:2219/2 15¢

THE OLD HOUSE BORER. Contrary to its name, the old house borer most often damages new buildings in this country. This leaflet describes the insect, its life cycle and habits, the damage it causes, and methods of controlling this insect. Rev. 1968. 8 p. il. A 1.35:501/2 5¢

PROTECTING HONEY BEES FROM PESTICIDES. Recommends precautions to reduce bee losses from pesticide poisoning. Rev. 1968. 6 p. il. A 1.35:544/2 5¢

TEACHING CONSERVATION THROUGH OUTDOOR EDUCATION AREAS. Contains guidelines for the development of a program for teaching conservation through the use of outdoor conservation demonstration areas, or outdoor laboratories. 1968. 23 p. il. A 1.68:837 20¢

SUGGESTED GUIDE FOR THE USE OF INSECTICIDES TO CONTROL INSECTS AFFECTING CROPS, LIVESTOCK, HOUSEHOLDS, STORED PRODUCTS, FORESTS, AND FOREST PRODUCTS, 1968. Intended as a guide for entomologists and other research and extension workers, this guide suggests uses of chemicals and such related treatments as application of pathogens, heat, and cold for the control of insects and related pests that affect crops, livestock, households, forests, forest products, and agricultural products in storage. Rev. 1968. 273 p. il. A 1.76:331/968 $1.50

RESEARCH NATURAL AREAS. 1968. 129 pp. A directory of more than 300 natural areas set aside on federal lands for scientific and educational purposes--arranged by vegetation, animal, geological types. Ideal for members planning vacation/collecting trips next season! 70¢

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NEW ENTOMOLOGICAL SOCIETY

An organizational meeting for the formation of the DANE COUNTY ENTOMOLOGICAL SOCIETY was held on December 7 at 10:00 a.m. in Room 150, Russell Laboratories, University of Wisconsin, Madison, Wisconsin. Anyone interested in entomology was invited to attend. Dave Schwehr was featered on the program and presented films of life histories of Wisconsin saturniids. For further information, contact Gene R. Defoliart, Russell Labs, phone 262-3227, or William E. Sieker, 2633 Stevens Street, Madison, Wisconsin, phone 233-1928.

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Litterbug: Strewball (Reader's Digest)

AT WAYNE STATE UNIVERSITY, DETROIT, MICHIGAN

Dr. Manuel Garcia de Viedma e Hitos has accepted Wayne State's offer to come to the Biology Department as a Visiting Professor during the Spring Term, 1969. Dr. Viedma, the Chairman of the Department of Entomology and Zoology of the Escuela Tecnica Superior de Ingenieros de Montes, Madrid, Spain, is an outstanding coleopterist. His special interests are in the larvae of the insects of that group. At Wayne he will give a course in immature insects. Inquiries from outsiders are welcomed.

Jerry VandeBerg has joined the faculty of Wayne State University as an Assistant Professor. Jerry has his Ph.D. from Virginia Polytechnic Institute and his M.S. and B.S. from the University of Nebraska. He will do research and teaching in insect physiology (especially neurophysiology).

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NEW COLEOPTERISTS' SOCIETY

Mr. Dominick J. Pirone has reported that a Coleopterists' Society is being organized along the lines of the Lepidopterists' Society. Anyone interested should write to Mr. Lee Herman, Dept. of Entomology, American Museum of Natural History, 79th St. and Central Park West, New York, N.Y. 10024, for details.

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A St. Clair Shores man left his false mustache on the bureau. While cleaning house, his mother knocked it on the floor, thought it was a centipede, and stomped it to death. (Detroit Free Press)

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LOST MEMBERS

We are looking for new addresses for the following members:

Larry G. Alder, formerly at 632 West Forest, Detroit, Mich.;
John C. Dixon, formerly at 935 South Spring, LaGrange, Ill.;
Jerome Freier, formerly at 1215 Vernon Drive, Apt. 27, Mt. Pleasant, Mich.;
Marion T. Lopina, formerly at 2134 North 93rd St., Wauwatosa, Wisc.;
James Edward Shell, formerly at 18800 Dix Avenue, Melvindale, Mich.;
Milo E. Yacos, formerly at 26532 Crystal, Warren, Mich.

Please forward any information on their whereabouts to the Executive Secretary.

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NOTICES

INSECT PINS. $4.00/1,000 (10 pkgs.), plus postage. Prompt delivery. For details, write to Clair Armin, 191 W. Palm Avenue, Reedley, California 93654.

BRAND INSECT PINS (nylon heads), sizes 00-6 @ $4 per thousand plus postage and tax (California); "Original" KARLSBADER (German) pins, sizes 2 and 3, $4.95 per thousand plus postage and tax. Write for quantity discount, Robert Hewitt, 928 46th Street, Sacramento, California 95819.

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A civilized country is one where a person must go to a backward area in order to breathe pure, clean air. (Chicago Sun-Times)

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MICHIGAN ENTOMOLOGICAL SOCIETY

DEPARTMENT OF ENTOMOLOGY
MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN 48823

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ADDRESS CORRECTION REQUESTED

Mrs. Leonora K. Gloyd 1
Museums Bldg.
University of Michigan
Ann Arbor, Mi. 48104