



# NEWSLETTER

of the  
MICHIGAN ENTOMOLOGICAL SOCIETY

Volume 45, Number 1

March 2000

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## **46TH Annual MES Meeting 1, 2 & 3 June 2000; Kellogg Biological Station Insect Photography Workshop, Student Paper Competition, Photo Salon, and Field Trip**

This year's annual meeting of the Michigan Entomological Society will take place in southwestern Michigan at Michigan State University's Kellogg Biological Station (KBS) on the shores of Gull Lake near Hickory Corners. KBS offers ample meeting facilities including daily meals. Limited on-site dormitory style lodging should be available and there are a number of motels within 20 minutes of KBS. Firm up your plans to attend as soon as possible. Map directions can be found on page 3.

We are actively seeking papers, poster sessions, and exhibits. Be creative and entertain others with your favorite entomological topic, invention, collecting method, or photographs. The annual meeting pre-registration form and call for papers and exhibits form are included in this newsletter on pages 9-10. As an added incentive to promote student papers, cash awards will be given for the best student presentations. See the article by Randy Cooper on pages 14-15.

The theme of the 46th annual meeting is "insect photography." Our featured guest speaker is **Dr. David Ahrenholz**, a photographer from the Twin Cities area who specializes in field photography of living insects and spiders. David began photographing insects at age 10 and a year

*Continued on page 3*

## **Proposed Changes to the Constitution and By-Laws of the Michigan Entomological Society**

The MES Constitution Committee has made a review of the MES Constitution and By-Laws. The extensive changes proposed were also discussed with other MES Governing Board members. Your comments and suggestions are encouraged. Please send them to **Ron Priest; Department of Entomology; Michigan State University; East Lansing, MI 48824-1115**. These changes will also be discussed at the MES Annual Meeting on 2 June 2000. Results of all suggestions and proposals will be mailed to the MES membership for a final vote during summer 2000.

*Continued on page 5*

## **MES Annual Meeting to Include Student Competition**

Randall Cooper

16672 152<sup>nd</sup> Avenue, Spring Lake, MI 49456

E-mail: Renzie@aol.com

At the MES 2000 Annual Meeting a competition will be held enabling students to compete for cash prizes and sharpen their skills in presenting oral papers. Undergraduate and graduate students are invited to check "Student Competition Entry" on the "Call for Papers" form included in this Newsletter on page 10 and submit an abstract of their paper. Presentations will be on a strict time limit of 15 minutes and will be scored by a panel of three judges. Judging will consider the quality of the written abstract, the presentation itself, and the creativity, scientific rigor, and significance of the research. See the article on pages 14 and 15. Cash prizes will be \$200.00 for 1<sup>st</sup> Place, \$100.00 for 2<sup>nd</sup> Place, and \$50.00 for 3<sup>rd</sup> Place.

The Society wants to increase student interest in MES activities and promote excellence in student research.

## **Officers of MES**

**President** ..... **Ron Priest**  
**President-Elect** ..... **George Balogh**  
**Immediate Past President** ..... **Leah Bauer**  
**Secretary** ..... **Robert Kriegel**  
**Treasurer** ..... **Mo Nielsen**  
**Member-at-Large (1999-02)** ... **Owen Perkins**  
**Member-at-Large (1998-01)** .... **Dave Cuthrell**  
**Member-at-Large (1997-00)** ..... **Chip Franke**  
**Journal Editor** ..... **Randy Cooper**  
**Newsletter Editor** ..... **Bob Haack**  
**Associate Newsletter Editor** . **Therese Poland**  
**Webmaster** ..... **Mark O'Brien**

## **Current Annual Dues Schedule**

**Student (through High School)**..... **\$5.00**  
**Active** ..... **\$15.00**  
**Institutional** ..... **\$35.00**  
**Sustaining** ..... **\$25.00**  
**Life** ..... **\$300.00**

## **Wayne Wehling Goes to Washington**

### **Wayne Wehling**

USDA APHIS PPQ; 4700 River Rd., Unit 133; Riverdale, MD 20737

Email: [Wayne.F.Webling@usda.gov](mailto:Wayne.F.Webling@usda.gov)

I always wished that I would make it back to Washington. My wife, Donna, and I really enjoyed the Pacific Northwest where I spent 14 years in Pullman, Washington, receiving two graduate degrees and working as a research technician. We had no idea that our wishing to someday return to Washington would take us to my new job near Washington, D.C.!

While in the Department of Entomology at Michigan State University working as a post-doc with Drs. J. Mark Scriber and Fred Stehr, I had a wide range of enriching experiences. My experience with the Bug House had the most profound effect on me. I found that I could work with butterflies and communicate my enthusiasm about insects to a larger audience than I could in a college classroom. I had been watching the "butterfly house" industry grow and was working to break into it when a position became available with the USDA Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ) to regulate the butterfly house and insect zoo industry. There was a general feeling among folks in the Arthropod Exhibitory Industry

that government policy and actions were inhibiting the industries growth and development. I saw the job prospect as a chance to make a difference. Well, I managed to land the job. We bought a house and moved to Maryland at the end of August, I dived right in to my new job as an entomologist at APHIS Headquarters in Riverdale, MD (about 4 miles off the NE corner of D.C.), where there were several vacant positions and much to do.

The USDA's place in regulating Arthropod Exhibitory comes from the Federal Plant Pest Act of 1957 that gives the authority to the USDA to regulate the movement of Arthropods that could be injurious to American agriculture. To this end, the USDA regulates the importation and interstate movement of phytophagous insects. Generally speaking, moving these critters requires a permit issued by APHIS PPQ. My duties are to provide "risk assessments" for the Arthropods used for exhibitory and to issue the permits where appropriate. That is to say that I investigate and determine what the likelihood is that a given species will become established if it escapes into the environment. I use published literature (the National Agriculture Library is 3 miles away), consultation with experts and coworkers, and common sense (mom, I'm using my Ph.D.) to make my determination. Coworkers in the unit do the same risk assessments for biocontrol agents, plant pathogens, etc. In addition to determining the risks, I also advise on how these Arthropods are to be contained (housed and displayed) and shipped. I provide input on meeting APHIS containment guidelines and review blueprints for new butterfly houses and insect zoos. Butterfly releases for weddings and other ceremonies have exploded in popularity and I am responsible for evaluating these permit requests. Over the coming year I hope to revise the guidelines covering all of these issues.

I am also responsible for honey bee and other bees imported for pollination. My experience with beekeeping and alfalfa seed pollination has finally caught up with me. Since 1922 the U.S. has had tight restrictions on honey bee imports. Recent changes resulting from the World Trade Organization (WTO), General Agreement on Tariffs and Trade (GATT) and the North American Free Trade Agreement (NAFTA) are pushing the U.S. to reconsider its regulations. Consequently, APHIS is preparing for the possible eventualities that imports will be allowed with appropriate permits.

Traveling to meet with our customers is an important part of my new job and perhaps the most enjoyable. I attended three national beekeeping meetings this past fall and winter to speak about possible changes and gain insight into the beekeepers perspective on these issues. I have also spoken at several insect exhibitory seminars and I have several invitations to speak later this year. I will be in Costa Rica in February learning more about the supply side of the butterfly house industry and trying to resolve shipping issues.

I really enjoy my new job! Everyday is different and my coworkers are great. I have a real opportunity to make a difference in an area that I feel very passionate about. My family and I are enjoying the Mid-Atlantic region with the endless variety of things to see and do. We miss all our friends in Michigan. Hello to all!

later was selling his work. After a hiatus for college and medical school, he resumed his outdoor photographic pursuits in many lands including the upper Midwest, Rocky Mountains, southern United States, Ecuador, Peru, and the Dominican Republic. Although his photographs have been published in many magazines and books, David offers a practical approach to conventional insect photography, which he will share with us at the meeting. In addition, David plans to present an overview of the expanding field of digital photography and how this modality can be used to photograph living insects. As an added bonus, **Eric Metzler** has agreed to show us how he renders high quality microphotographs for use in scientific publications and **Mark O'Brien** will provide an overview of the ways in which digital photography enhances the function of entomology museums.

To further promote insect photography the Society is conducting a year 2000 Photo Salon and all MES members and their families are invited to submit their best photographs of insects and related arthropods. The contest is designed to recognize the best efforts of photographers to document both the biological and aesthetic aspects of insect life. **William Westrate** is coordinating the photo salon and an application form is included as an insert of this Newsletter. Judging will take place Thursday, 1 June, prior to the Annual Meeting and members attending the meeting on Friday, 2 June, will be able to view the winning photographs. This is your opportunity to see your best shots displayed on a future color page of the newsletter and on the cover of *The Great Lakes Entomologist*! We hope to promote the photo salon as an annual event.

By popular demand the MES Annual Meeting will begin Thursday evening (7 p.m.) with an open house at KBS. This will allow time to catch up with friends and meet the speakers. Do plan to arrive Thursday and join in the conversations!

Field activities are planned on Friday evening and Saturday. Members are invited to visit and collect the varied habitats of southwestern Michigan and particularly in the vicinity of **Bill Westrate's** farm. See the article by **Mo Nielsen** on page 4.

Costs for meals and lodging at KBS are located on the pre-registration form on page 9. The following is a list of other accommodations. The motels are all located within 20 minutes of KBS on Cork Street just north of the I-94 Sprinkle Road exit (Exit 80).

Fairfield Inn by Marriott, 3800 E Cork St, 616-344-8300, 1-800-228-2800, single and double rooms: \$59 weekdays and \$79 weekends.

Best Western Kelly Inn, 3640 E Cork St, 616-381-1900, 1-800-528-1234, single rooms: \$79, double rooms: \$89.

Clarion Inn, 3600 E Cork St, 616-385-3922, 1-800-252-7466, single and double rooms: \$73.

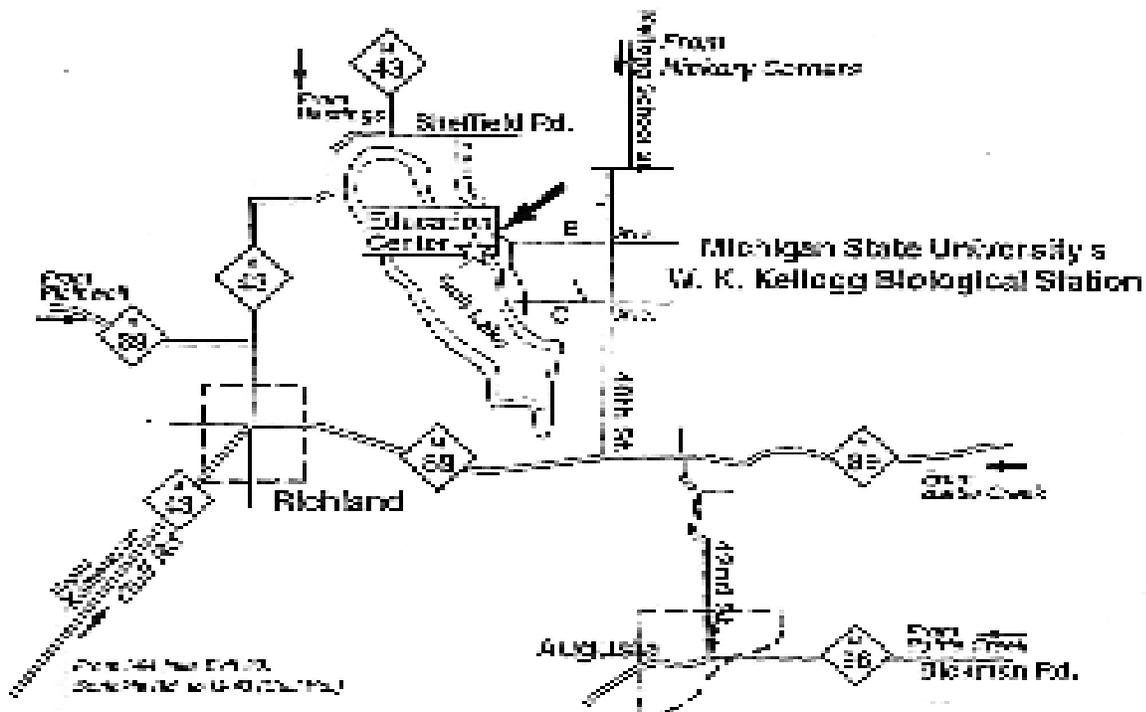
Red Roof Inn, 3701 E Cork St, 616-382-6350, 1-800-843-7663, single and double rooms: \$55.99.

Shady Bend Campground, 15320 E Augusta Dr, near Augusta, 616-731-4503

Yankee Springs State Recreation Area on Gun Lake in Barry County, Res: call 1-800-44Parks.

If you plan to lodge at KBS, you are encouraged to submit your pre-registration form as soon as possible. MSU students taking courses at KBS are given preference in housing assignments.

Please contact **George Balogh** if you have questions: 6275 Liteolier, Portage, Michigan 49024, Phone: 616-323-1432 (evenings), Fax: 616-323-8306, Email: [bugdr@net-link.net](mailto:bugdr@net-link.net)



## MES Annual Meeting Field Trip

Mo Nielsen

517-321-2192 (Home)

517-353-7294 (Office)

E-mail: nielsen4@pilot.msu.edu

Following the MES Annual Meeting on Friday, 2 June 2000, at the Kellogg Biological Station (KBS) in Kalamazoo County, we propose to hold a field trip at Bill Westrate's farm in Cass County. As he has done before, Mo Nielsen will lead a light and bait collecting effort at the Westrate farm in the evening of 2 June,

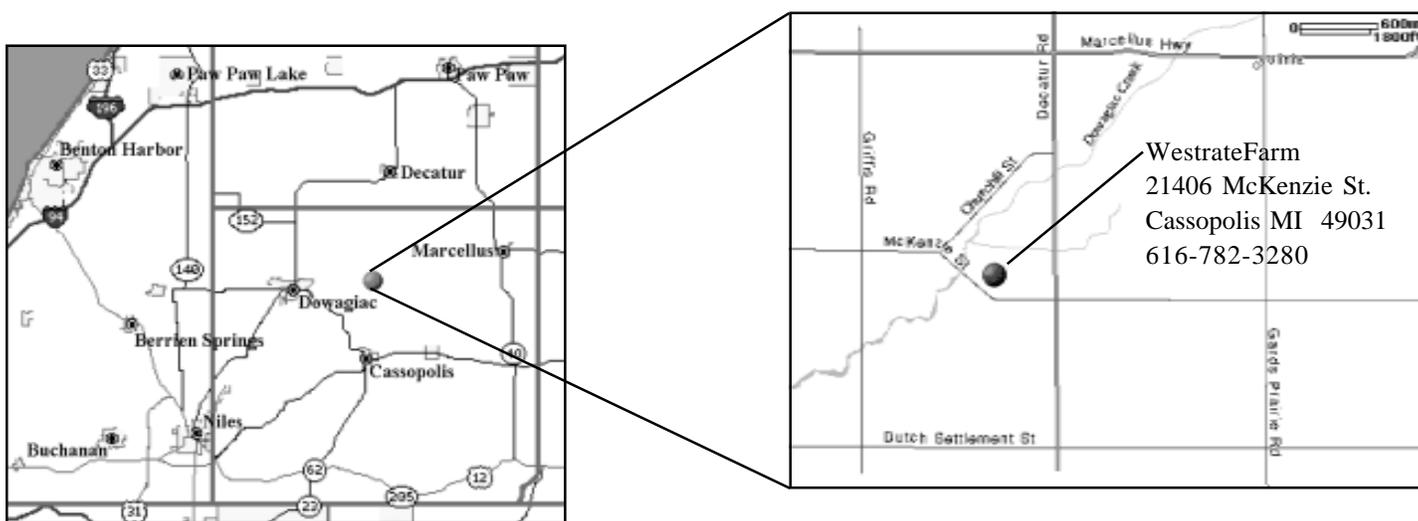
followed by a weekend of day collecting on 3 June. Bill's farm is approximately 60 miles southwest of KBS, as a crow would walk.

Westrate's farm, containing many diverse habitats, is an ideal area for entomologists to set-up their collecting gear, and for those who can rough it, to camp in the Westrate 'park' along the banks of Dowagiac Creek. Within walking distance of Bill's 'park', one can find typical southern riparian forests, a small stand of tamarack and shrub carr, an alkaline fen and several rural micro-habitats. Bill is a well-known all-around naturalist, and has an outstanding collection of most insects

found on his farm – all scientifically curated in Cornell drawers.

The Westrate farm is situated within a mile of Michigan State University's Russ Forest, containing virgin central hardwoods and tuliptree plantations; the Three Rivers State Game Area, is about 25 miles southeast of Bill's farm – both areas offer interesting entomological opportunities.

Plan NOW to attend the MES Annual Meeting and the following field trip! There are all kinds of insects awaiting your sampling! Perhaps with many on the field trip, we may turn up an insect that Bill has not seen or collected?! More details will be given at the Annual Meeting.



## August 2000 Field Day

Ron Priest

Department of Entomology, Michigan State University, East Lansing, MI 48824

For the first time in several years, MES is holding a mid-season collecting field day. It's planned for Saturday, 26 August 2000. Our guide is Dave Cuthrell, Board member and on staff with the Michigan Natural Features Inventory. Dave has selected the Barry State Game Area. It's located in Barry County, approximately 7 miles southwest of Hastings, MI. Habitats there include: oak woods, prairie fen, dry sand prairie, lakes, and a number of wadable streams.

This is a great opportunity for us and family members to enjoy collecting, observing, and learning how insects and nature in general work. This is really a great family opportunity. Plan to stay the day and even the next. Camping is available at Yankee Springs Recreation Area and motels in Hastings. You may want to stay up all night with some of us and black light for moths and other UFOs!

For specifics on time, meeting site, and a map come to Breaking Diapause on 18 March (M.S.U., Natural Science Bldg. Rm. 244B, 9 AM to mid-afternoon) or look in the summer Newsletter. Call (517-641-6598) or email (cuthreld@state.mi.us) Dave by 23 August to confirm last minute meeting plans. Most of all mark your calendar for 26 August and bring all your outdoor enthusiasts! See you there.

### Notice:

**For Sale:** Light traps, 12 volt DC or 110 volt AC with 15 watt or 20 watt black lights. The traps are portable and easy to use. Rain drains and beetle screens protect specimens from damage. For a free brochure and price list contact: Leroy Koehn, 6085 Wedgewood Village Circle. Lake Worth, FL 33463. Phone: 561-966-1655, Cellular Phone: 305-582-3183, Leptraps@aol.com

The proposed changes fall primarily into six areas.

1. Identify a recognized procedure, Robert's Rules of Order, for conducting meetings and structuring the Constitution and By-Laws.
2. Improve the consistency between the Constitution and By-Laws and reduce unnecessary wording.
3. Clarify duties of MES Officers and Board Members; add new Board Members (Associate Editor of Journal and Newsletter, and Webmaster); and lengthen tenure of Secretary, Treasurer, and President-elect to three years.
4. Add non-discriminatory wording; require Board Members to review dues levels every other year and make incremental changes to avoid membership losses; drop members whose dues are 12 months in arrears.
5. Expand voting procedure by soliciting nominees from the membership as well as the Board; decide tie votes by the membership at the Annual Business Meeting instead of requiring a second mail ballot vote; allow the Board to declare a single-candidate-for- office the winner without a vote.
6. Make provisions for Board to appoint Special Committees as needed.

The following notations are used for changes: < = from; C = Constitution; B = By-Laws; ~~Strike through~~ = deleted words; **(Bold)** = new words; (Underline) = moved words.

## Constitution

### Article I – Name

Section 1. This organization shall be known as THE MICHIGAN ENTOMOLOGICAL SOCIETY.

### Article II – ~~Object~~ (Purpose)

Section 1. ~~It shall be the purpose of this society to~~ Promote the science of entomology in all its branches and by all feasible means, and to advance cooperation and good-fellowship among persons interested in entomology.

### Article III – Membership

**(Section 1. Any individual or organization interested in the purpose of the society shall be eligible for membership without regard to race, creed, color, religion, sex, national origin, ancestry, disability, age, or exercising their right of free speech.)**

Section 2. The classes of membership shall be Active, Honorary, Student, Sustaining, Institutional, and Life.

Section 3. ~~Active Membership. All persons professing an interest in entomology may become active members by vote of the Governing Board, after a regularly executed application, endorsed by two~~

~~Active Members and accompanied by the requisite fee, has been filed with the Executive Secretary. (For individuals.)~~

Section 4. ~~Honorary Membership.~~ May be conferred upon anyone **(member)** who has performed long and distinguished service in the field of entomology ~~with special reference to the State of Michigan or upon anyone who performs an outstanding service to the Society.~~ Proposals for Honorary Membership shall be made in writing with a supporting statement by two Active Members and shall be acted upon by the Governing Board and submitted to the society for vote by mail ballot. Nominees must receive four-fifths of the ballots cast to be elected. The total number of Honorary Members shall not exceed five at any one time, and not more than two shall be elected in any one year. Honorary Members shall be exempt from payment of dues, but shall have all the privileges of active membership.

Section 5. ~~Student Membership. Any person who is enrolled in a recognized educational institution and professes an interest in entomology, whether studying that subject or not, may become a student member at reduced dues to be specified by the Governing Board. Application shall be endorsed by one active member or academic advisor or supervisor and filed with the Executive Secretary accompanied by the requisite fee. Student members shall not be allowed to vote or to hold office, but shall be permitted all other privileges of membership. (An individual attending school full time through high school.)~~

Section 6. ~~Sustaining Membership.~~ Any person, ~~institution,~~ or organization ~~desiring to support~~**(ing)** the aims of the Society by an **(by an annual fee set by the Board.)** ~~An Active Member may also become a Sustaining Member by the contribution of the proper fees.~~

Section 7. ~~Institutional Membership.~~ Any institution, society, school, museum, or other organization desiring to support the aims of the Society, but not to the extent of a sustaining membership, may become an institutional member. ~~Institutional members shall have all privileges of active members except that they may not vote in Society affairs nor hold office.~~

Section 8. ~~Life Membership.~~ Any member ~~in good standing may become a life member by~~ remitting a once-only fee of 20 times the current active membership dues, ~~payable to the society. The fee must be collected by the society in one calendar year. Life members shall have all the privileges of active members.~~

### Article IV – Officers

Section 1. The officers of this Society shall be President, President-Elect, **(Past President)**, Secretary, and Treasurer.

Section 2. ~~President/~~President-Elect/**(President/Past President)**. The President-Elect shall be elected by mail ballot as specified in the By-Laws. He/she shall serve one year as the President-Elect, ~~(and the following)~~ **(second)** year as President and **(third year as Past President)**. He/she shall assume the office of President **(-Elect)** at the close of the annual meeting next following his/her election.

Section 3. Secretary and Treasurer. The Secretary and Treasurer shall be elected by mail ballot as specified in the By-Laws and shall

serve for ~~one~~ **(three)** year(s). They shall assume office at the close of the annual meeting next following his/her election.

## Article V – Governing Board

**(Section 1.** ~~This~~ The Board shall consist of the following **officers (members)**: President, President-Elect, **(Past President)**, Secretary, Treasurer, **(one of)** the ~~two~~ most recent available Past-Presidents, three elected Members-at-Large, ~~the~~ **(Associate & Journal) Editors of the Society's Journal, the (Associate & Newsletter) Editors** (~~, and Webmaster~~) ~~of the Society's Newsletter.~~

Section 2. The Governing Board shall conduct the business of the Society, **(interpret, and implement Society policy.)** ~~subject to the decisions on policy by the membership by mail ballot or at an annual meeting.~~

Section 3. In the event that a regional branch has not held a branch meeting for one year, a member-at-large shall be elected to the Governing Board in the same manner as other officers. The last branch chair shall continue to serve on the Governing Board until he/she is replaced by an elected member-at-large.

## Article VI – General Prohibitions (Guidelines)

Section 1. Notwithstanding any provision of the Constitution or By-Laws which might be susceptible to a contrary construction:

- (a) The Society shall be organized **(and operated)** exclusively for scientific and educational purposes;
- ~~(b) The Society shall be operated exclusively for scientific and educational purposes;~~
- ~~(c) No part of the net earnings (or use) of the Society's (name) shall or may under any circumstances incur to the benefit of any private individual;~~
- ~~(d) No substantial part of the activities, (funds, or publications) of the Society shall (be made) consist of carrying on propaganda, or otherwise attempting to influence legislation (or a public office candidate);~~
- ~~(e) The Society shall not participate in, or intervene in (including the publishing or distributing of statements), any political campaign on behalf of any candidate for public office;~~
- (e) The Society shall not be organized or operated for profit;
- (f) The Society shall not:
  - (1) Lend any part of its income or corpus, without the receipt of adequate security and reasonable rate or interest;
  - (2) Pay any compensation, in excess of a reasonable allowance for salaries or other compensation for personal services actually rendered;
  - (3) Make any part of its services available on a preferential basis;
  - (4) Make any purchases of securities or any other property

for more than adequate consideration in money or money's worth, ~~from~~;

(5) Sell any securities or other property for less than adequate consideration in money or money's worth;

~~(6) Engage in any other transactions which result in substantial diversions of its income or corpus to; any officer, member of the Governing Board, or substantial contributor to the Society.~~

~~(<B.VIII.3: Section 2. No officer or committee of the Society or of its Branches shall solicit in the name of the Society contributions for use in obtaining or paying for specialized entertainment.)~~

The prohibitions contained in this subsection (f) do not mean to imply that the Society may make such loans, payments, sales or purchases to anyone else, unless such authority be given or implied by other provisions of the Constitution or By-Laws.

## Article VII – Funds

Section 1. ~~All monies due the Society (funds shall be the responsibility of the Treasurer as) shall be collected, disbursed, and accounted for by such officers as are to be specified in the By-Laws or as the Governing Board may determine.~~

Section 2. A permanent fund shall be established to include donations **(and)** bequests. ~~and other such property and funds as may be added to it. This permanent (The) fund shall be in custody of the Governing Board. The principal of this Fund(s) shall be invested and may be expended only (by) upon the recommendation of the Governing Board, and approval by the Society by mail ballot or at any meeting, notice of such action to be given in the call for said meeting. The interest on this permanent fund in any year may be used to meet necessary expenses of the Society on approval of the Governing board, but if not so expended during the year shall be added to the principal. Loans from the permanent fund may be made to other established funds of the Society for self-liquidating projects, on recommendation of the governing Board and the approval of the Society.~~

## Article VIII – Publications

Section 1. The publications of the Society will be a scientific entomological journal, and newsletter, **(and computer webpage).** ~~to be sent to all members of the Society.~~

## Article IX – Standing Committees

Section 1. Standing Committees shall be ~~such as are deemed necessary (identified) by the Governing Board. of the Society. The(ir) duties of these committees and the manner in which their members shall be elected(ion) are set forth in the By-Laws.~~

## Article X – Meetings, Voting, and Office-Holding

Section 1. The annual meeting shall be at such time and place as may be decided upon by the ~~Governing Board~~ **(President-Elect).**

Special meetings may also be called by the Governing Board.

~~Section 2. Mail Ballots. Matters of major importance shall be placed before the entire membership by mail ballot. Any matter shall be voted on by mail ballot upon written petition to the Governing Board by ten members.~~

## Article XI – (Regional) Branches

~~Section 1. Regional Branches shall be established on the basis of convenience (of local members.); for all the avowed purposes of the Society.~~

~~Section 2. Establishment of Regional Branches. To become established, proposed Branches must formally petition the Society, be endorsed by the Governing Board, and be approved by the Society. The petition must indicate clearly that an organized unit of at least ten persons exists and that its establishment will be useful to the Society and to entomology.~~

~~Section 3. Choice of Regional Branch Membership, if any, shall be voluntary. with individual members and such choice shall be filed with the Executive Secretary of the Society. Each member shall be restricted to voting with the Branch of his/her choice, but shall be entitled to attendance at all meetings and other activities of every Branch. (Branch voting is limited to Branch members.)~~

~~Section 4. Officers of Regional Branches. The officers of each Branch shall be (have) a Chair, a Vice-Chair, a Secretary-Treasurer, and a Recording Secretary. These officers shall be elected annually by procedures adopted by their respective Branches.~~

~~Section 5. Activities of Branches. Each Branch shall operate autonomously in such manner as it sees fit, subject to the provisions as set forth in the (Society) Constitution and By-Laws.~~

~~Section 6. Financial Responsibility of Branches. Regional Branches shall not incur financial indebtedness in the name of the parent Society without explicit prior approval of the Governing Board.~~

~~(Section 7)(< B III: Section 1. If any Chair of a Regional Branch should be elected to the position of President-Elect, his/her position as Chair of the Branch shall be considered vacated and the Branch shall fill the office in their designated manner.)~~

## Article XII – Amendments

Section 1. All proposed amendments shall be presented at an annual meeting. The President shall at that time appoint a special committee to consider the amendment or amendments and to report its recommendations at the next annual meeting. At this (that) time the annual meeting (members) may make changes germane to the subject and purpose of the amendment, which shall then be referred by mail ballot to the entire membership. If two-thirds of the votes cast are in the affirmative, the amendment shall be adopted.

## Article XIII – Distribution on Dissolution

Section 1. Upon dissolution of the Society, the Governing Board shall distribute the assets and accrued income to one or more organizations as determined by the Board, but which organization

or organizations shall meet the limitations prescribed in Sections (a)-(g) inclusive, of Article XII, immediately preceding.

## By-Laws

### Article I – Members(hip)

Section 1. Privileges. All members shall have equal privileges, except as otherwise herein specified.

Section 2. Membership of persons who are accepted before July 1 shall begin with the preceding January 1; membership of those accepted at a later date shall begin in the following January 1, unless the earlier date is requested and the required dues have been paid.

### Article II – Officers' (Duties)

~~Section 1. President and President-Elect. The President shall have and exercise such powers as are reasonably necessary to carry out his/her official duties, including: (preside at Governing Board meetings and annual business meeting; arrange with Secretary in setting date of fall Governing Board meeting and agenda; appoint special committee members and Chair, specify their charge and time to report recommendations.); with the approval of the Governing Board (approval), the filling of vacancies in the standing committees, such appointees to serve until the next annual meeting; (<B.VII: The President shall appoint such delegates or representatives to such other organizations (and) meetings, etc., that occasion may (as needed) require.~~

~~(Section 2. President-Elect shall serve as Annual Meeting Chair, determine site, date, and agenda.) (< B II: President: (act as President if President cannot serve) in case of inability of the President to serve, the President-Elect shall become President)~~

~~(Section 3. Past President shall Chair the Nominating Committee, solicit nominees from the Board and from the membership by Newsletter notice, obtain needed information from all nominees, and notify the Secretary of those results; tabulate votes; notify all candidates of election results.)~~

~~Section 4. Secretary (shall keep the minutes of the meetings of the Society and of the Governing Board; shall give notice of the meetings of the Society; shall attend to all general correspondence; shall keep records and files of the Society; shall prepare and distribute ballots; and shall generally perform all services that may be delegated to him/her).(shall record minutes of Governing Board and annual business meetings and submit them for publication in the Newsletter; prepare and send Governing Board members their meeting agenda; prepare ballot for printing; respond to routine mail requests; maintain an up-to-date membership/subscriber list, submit periodic changes to mailing firm, and submit it bi-annually for publication in the Newsletter; prepare membership meeting notices for the Newsletter.)~~

~~Section 5. The Treasurer shall receive all monies from the Society and deposit them in the name of the Society in such banking institutions as the Governing Board shall direct. He/she shall pay therefrom by draft of check all bills and obligations of the Society;~~

# **2000 PHOTO SALON COMPETITION**

Members of the Michigan Entomological Society and their families are invited to submit their best photographs for the MES 2000 Photo Salon competition. Winning photographs will be displayed on a color page of the MES newsletter and as cover photos for *The Great Lakes Entomologist*. Up to 4 photographic slides of insects and related arthropods can be entered per person in the contest. Remember that print negatives can be converted into excellent slides. Single winning photos will be selected in each of the following two categories and 1st, 2nd, and 3rd place winning photos will be awarded the judges choice from all combined entries.

## **Category I**

Life History and Behavior: photographs that exhibit some aspect of insect life with entries judged based on technical difficulty, rarity, and entomological content as well as overall aesthetic qualities.

## **Category II**

Insect Portraits: photographs that depict insects in a static or active state with entries judged on overall aesthetic qualities, technical difficulty, and rarity within the insect or arthropod group.

Deadline for submissions is May 15th. Entries will be judged on Thursday June 1st, prior to the MES Annual Meeting open house at the Kellogg Biological Station. Winning slides will be viewed during the annual meeting on Friday June 2nd. You do not need to attend the MES annual meeting to enter the competition.

# **PHOTO SALON SUBMISSIONS**

Entries are limited to 4 slides per individual submitted in one package postmarked no later than May 15th and a completed copy of the entry form (see insert) must accompany the submission to qualify for judging. Include a self-addressed stamped envelope with your entry to facilitate return of slides. Information on the entry form must include the insect subject's order and family and if known, genus and species (scientific and /or common names acceptable). The Life History and Behavior Category entries must include the briefest of descriptions of activity depicted. Although all care will be taken to ensure proper handling, MES and the individuals involved in the contest cannot be held responsible for the loss or damage of any entry, so you may wish to submit duplicates of your originals. Winners will be notified when entries are returned no later than July 1st.

(See enclosed entry form)

**MICHIGAN ENTOMOLOGICAL SOCIETY**

**Meeting and Lodging  
Pre-Registration Form**

**Forty-Sixth Annual Meeting**  
**Kellogg Biological Station, Hickory Corners, Michigan**  
**Thursday and Friday, 1-2 June 2000**  
**Pre-registration deadline is 15 May 2000**

Name \_\_\_\_\_

Guest Name(s) \_\_\_\_\_

Address \_\_\_\_\_

City/State/Prov. \_\_\_\_\_ Zip \_\_\_\_\_ Email \_\_\_\_\_

Phone: Day \_\_\_\_\_ Eve \_\_\_\_\_ Fax \_\_\_\_\_

Date and Estimated Time of Arrival \_\_\_\_\_

	*Cost	X	# People	=	subtotal
Facility fee Thursday (Open House)	\$ 8.48	X	_____	=	\$ _____
Dinner Thursday (6:00 - 7:00)	7.95	X	_____	=	_____
Lodging Thursday**	29.68	X	_____	=	_____
Facility fee Friday (Meeting, incl. snacks)	10.60	X	_____	=	_____
Breakfast Friday ( 7:00 - 8:00)	4.77	X	_____	=	_____
Lunch Friday (12:00 - 1:00)	5.83	X	_____	=	_____
Dinner Friday (6:00 - 7:00)	7.95	X	_____	=	_____
Lodging Friday **	29.68	X	_____	=	_____
Breakfast Saturday ( 7:00 - 8:00)	4.77	X	_____	=	_____
	<b>TOTAL</b>			=	<b>\$ _____</b>

*\*U.S. dollars (sales tax included); per person costs; assumes double occupancy for lodging.*

*\*\*Roommate assignment: please complete name in "A" or check "B"*

A. I prefer to room with \_\_\_\_\_ and (s)he has agreed.

B. \_\_\_\_\_ I have no room mate preference.

**Note:** Make checks payable to: Michigan Entomological Society. Lodging and roommate assignment will be confirmed by return mail. MSU students enrolled in courses at Kellogg Biological Station (KBS) are given preference in housing assignments and room availability will be on a first come first served basis. Persons requesting lodging should mail their reservations and check as soon as possible. You will be notified by 20 May if KBS housing is unavailable. See additional lodging information in the meeting announcement.

Return by 15 May to: George J. Balogh, 6275 Liteolier, Portage, Michigan, 49024  
Phone: 616-323-1432, Fax: 616-323-8306 , E-mail: bugdr@net-link.net

**Retain a copy for your records**

# **Call for Papers and Poster & Display Pre-Registration Form**

**Forty-Sixth Annual Meeting**  
**Kellogg Biological Station, Hickory Corners, Michigan**  
**Thursday and Friday, 1-2 June 2000**

**NOTE:** Students are eligible for student paper presentation awards, see article on page 1 of this Newsletter. STUDENTS PARTICIPATING IN THE COMPETITION MUST SUBMIT AN ABSTRACT ALONG WITH THIS APPLICATION. Otherwise, submit an abstract of your paper by 1 July 2000 to MES Newsletter editor Bob Haack on disk or by E-mail (haack@pilot.msu.edu). Papers may be submitted to the Editor of The Great Lakes Entomologist or to the Editor of the Newsletter to be considered for publication. Talks greater than 15 minutes in length by special arrangement only.

Presentation:  PAPER (15 min talk)  POSTER  DISPLAY

Title: \_\_\_\_\_  
\_\_\_\_\_

Author(s): \_\_\_\_\_

Affiliation: \_\_\_\_\_

Check one:  STUDENT COMPETITION ENTRY\*  STUDENT  FACULTY  OTHER

Equipment required:  35mm slide projector  Overhead projector

Other \_\_\_\_\_

Poster and Display Parameters:

Size:  X

Support:  Free Standing  Need Support (Specify \_\_\_\_\_ )

Electricity needed:  Yes  No

Other needs:

Contact person:

Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

Return this application by 15 May to: George J. Balogh, 6275 Liteolier, Portage, Michigan 49024  
Phone: 616-323-1432, Fax: 616-323-8306, Email: bugdr@net-link.net

\*For students participating in the paper presentation competition, an abstract must accompany this application.

shall keep an account of all monetary transactions and shall exhibit a statement of them when called for by the President of Governing Board; and shall make a full report for the preceding calendar year at the annual meeting. It shall also be the duty of the Treasurer to file the required report with the Internal Revenue Service at the conclusion of each calendar year. (maintain Society incomes and expenses; submit a report of Society's financial status at Annual and Governing Board meetings; file Non-profit organization form with IRS; maintain checking and other accounts; pay all bills in a timely manner; maintain backlog of all Society publications; maintain current dues status of all members and subscribers; purchase needed business supplies and equipment; prepare and mail author invoices. The Treasurer shall be bonded to assure Society liquidity.)

### Article III - Governing Board (Duties)

(Section 1. Shall interpret and implement policies of the Society, and:)

(Section 2. Print the dues schedule in the Society's publications and review the dues schedule each odd numbered year to determine if a change is needed for the next year;)

(Section 3. Provide recommendations to the President in his appointment and charge for Special Committees;)

(<B II 1: Section 4. (Fill) a vacancy in the office of the President-Elect shall be filled as soon as practicable by written ballot by the Governing Board from the two eligible the willing and next higher voted (by the) candidate in the most recent election who received the next highest number of votes (for that office; if such candidate is not available the Board will form a committee of its own members with the President as Chair.)

(<B II: Section 5. (Shall, in the event the Secretary or Treasurer cannot continue duties, fill a that vacancy in the office of Secretary or Treasurer shall be filled as soon as practicable by written ballot by (appointment) the governing Board. The Governing Board may appoint a temporary Secretary or Treasurer to complete the term of the elected officer until the next regular election.)

(<B.V.1: Section 6. General responsibility for the publications of the Society shall rest with the Governing Board.)

(<B V: Section 7. Editor(s).—The (Appoint) editor(s) of the Journal and Newsletter,) shall be appointed by the Governing Board and shall serve as chairmen of the Publications Committee.) (Associate Editors for each, and a Webmaster.)

(Section 8. The Journal Editor's duties shall include: review and edit all manuscripts submitted for publication in The Great Lakes Entomologist; notify authors of charges; submit manuscripts to reviewers; prepare each issue of the Journal; respond to all publishing related quires; provide authors with separates and notify Treasurer of author charges; report status at Governing Board and Annual meetings.)

(Section 9. The Newsletter Editor's duties shall include: prepare at least 3 issues per year for printing, including

Entomology Notes as available and membership list each two years; report status at the Governing Board and Annual meetings.)

(Section 10. Associate Editors duties shall include: assist Editors; assume duties of respective Editors in their absence.)

(Section 11. The Members-at-Large duties shall include: attend Governing Board and Annual Meetings; participate in discussions of agenda items; serve on committees as requested by the President; assist other Board Members as needed.)

(Section 12. The Webmaster duties shall include: creation and maintenance of the Society Webpage.)

### Article IV – Dues

Section 1. Dues shall be set by the Governing Board, subject to the approval of the Society by letter ballot.)

(Section 1. Dues for the Life membership class shall be set at 20 times the Active class, payable within one calendar year.)

(Section 2. Members in arrears at the end of the calendar year shall be dropped from membership.)

Section 3. Sustaining Membership. (Shall be greater than Active and set by the Board.) (<C. Art. III 5: Annual contribution shall be not less than \$25.00.)

Section 4. Life Membership. (<C. Art. III 7: A once-only fee of 20 times the current active membership dues, payable to the Society. The fee must be collected by the society in one calendar year.)

### Article – Publications

(Moved to b.iii. 6.)

### Article V – Standing Committees (Committees: Standing and Special)

Section 1. Terms of Office and Rotation. Unless otherwise indicated, members of standing committees shall serve for periods of three years each. Their elections shall be so arranged that one-third of the terms shall expire each year. (Special Committees shall be limited to one year unless extended by the President.)

Section 2. Election of Standing Committees. The Governing Board shall serve as the nominating committee to propose a slate of candidates for election to positions on standing committees not filled in other ways. The candidates nominated by the Board, together with any nominated from the floor, shall be voted upon at the annual meeting. The Board shall designate which member of each standing committee shall serve as chair.

(Section 3. Function of Special Committees. Develop and make recommendations to the Board on specific issues, normally within one calendar year. The committee is dissolved when final recommendations are accepted.)

## (Article VI. Voting Procedure)

(Section 1.) Voting and holding office shall be ~~limited to Active, Honorary, Individual, Sustaining, and Life Members.~~ (open to all individual members.)

(<B II 1: Section 2. The President-Elect, Secretary, Treasurer, (and Members-at-large) shall be elected by mail ballot by the following procedure: (membership shall be solicited by notice in the Newsletter and at least six months preceding the next election for nominees to fill vacancies.) At least four months prior to each annual meeting the Governing Board shall meet to consider nominations for President-Elect, Secretary, and Treasurer. It shall be the duty of the Immediate Past President to contact the nominees; (nominees are apprised of office responsibilities), obtain their approval to serve (obtained), and notify the Secretary (of candidate names) so a ballot can be prepared.; All of these Names, arranged alphabetically; shall be placed (alphabetically) on a ballot, to be mailed to each member not later than three (two) months before the annual meeting, with the request that he/she indicate his/her preference on the ballot and (for) return it in an special envelope marked "Ballot." A deadline (return date of at least thirty days after issue) shall be (specified) for the return of the ballots. not less than thirty days from the date when they are mailed out, shall be specified. Ballots received later than the specified deadline (date) shall not be counted. Members may write in other names of their choice. The votes shall be tabulated by a special committee of three members selected by the Executive Secretary (the Past President and two other non-candidate members he/she selects). If no candidate receives a majority of all votes cast, the two candidates receiving the greatest number of votes, or in case of a second-place tie, the three receiving the highest number of votes, shall be placed in a run-off ballot, which shall be mailed to the membership, with a time limit of not less than thirty days from the date of mailing, for their return, as with the first ballot. The ballots shall be counted as before. On the run-off ballot, the candidate who receives the greatest number of votes shall be declared elected. (The candidate or issue receiving the most votes shall be declared approved.) The Governing Board and the (all) candidates shall be promptly notified of the outcome.

(<B III: Section 3. ~~Members-at-large shall be elected by mail ballot to serve a three year term. The Terms of service of the three members-at-large shall be staggered (over three years.) such that one member-at-large is elected each year. Members-at-large shall be elected in the same manner and at the same time as the President-Elect.~~)

(Section 4. If only one nominee accepts candidacy for a vacancy the Board shall declare that candidate winner without a vote.)

(Section 5. If two candidates for any office tie for high vote the winner shall be decided by the membership through secret ballot vote at the next annual business meeting.)

## Article – Delegates

(Moved to B.II.2.)

## Article VII – Meetings, Quorums Voting, Etc.

Section 1. Ten active members shall constitute a quorum for the transaction of the business of the Society.

Section 2. Four members of the Governing Board shall constitute a quorum for the transaction of the business, provided, that all members of the Board have been informed of the intent to meet.

## Article – Miscellaneous

~~Section 1. Members two years in arrears of dues shall be dropped from the rolls by the Executive Secretary after twenty days' notice. At the discretion of the Executive Secretary, any or all publications of the Society may be withheld from members who have not paid their dues for the current calendar year. (Redefined in B.IV.3.)~~

~~Section 2. Members shall not use the name of the Society for financial advantage. (Moved to C.XII.1.c.)~~

~~Section 3. Members in good financial standing have the right to resign. The right to terminate the membership of any member for due cause is reserved by the Society, but except for nonpayment of dues, no member shall be dropped until the opportunity has been given him/her for a hearing before the Governing Board. (Redefined in C.V.1 & B.IV.3.)~~

~~Section 4. In voting at meetings or in mail balloting, a majority of votes cast shall be considered as deciding in all matters, unless otherwise specified in the Constitution or By-Laws. (Redefined in B.VII.1.)~~

## Article VIII – Amendments to the By-Laws

Section 1. Changes in these By-Laws may be made by a two-thirds vote of any general meeting or by a two-thirds majority of all votes cast in a mail ballot; provided, that written notice of the proposed amendment shall have been sent to every active member at least one month before the date of the meeting at which it is to be considered, or the last date for the receipt of the ballots in case of mail vote.

## (Article IX. Parliamentary Authority)

All business, unless stated otherwise in the Constitution or By-Laws, shall be conducted according to Robert's Rules of Order, revised edition.)

Submitted by the Constitution Committee:

Ron Priest, Chair, Bob Kriegel, Mo Nielsen, and Mark O'Brien.

# Responses to 1999 MES Annual Meeting Questionnaire

Ron Priest

Department of Entomology, Michigan State University, East Lansing, MI 48824

Several interesting ideas were suggested by members for improving meetings, adding new features, and even doing some fieldwork together. These ideas resulted from a series of questions from the Board to MES members. The great value in these ideas is their usefulness over the next several years as new Board members plan future meetings that are both productive and enjoyable. The following responses center around meeting format, its timing and location; general ideas for improving our society; and the value of offering field trips.

The most responses concerned our meeting format. Most (82%) respondents did like the idea of a theme. Some thought the traditional format of all contributed papers was better while others would like to see a combination of invited and contributed. There was a concern that without submitted papers, individual research could not be presented and students would miss an opportunity to make public presentations. Respondents who encouraged a meeting theme suggested future topics such as: use of aquatic insects in water quality measures; nature photography, student education; threatened & endangered species; changes in land use patterns & fragmentation; exotic species; biocontrol; conservation; methods in entomology. In addition a number of keynote speakers were suggested for these topics. Some other topics members suggested are: plant/insect interactions; aquatic diptera; insect behavior; insects & land management.

Another area members provided innovative suggestions is for other activities at the annual meeting. Ideas include: group discussion on particular topics; small group discussion on several topics; workshops on techniques and identifications for our young amateurs; photographic technique; how to set up surveys; field trips to significant sites.

Timing of the annual meeting also elicited several responses. A clear 94% of respondents prefer a one-day meeting and no longer! Some members suggested holding our meeting at another time of the year and suggest: winter, with summer field trips and/or discussion talks; earlier in the spring or fall; just a couple of weeks later than currently to make collecting trips more productive.

The idea of MES sponsored field trips also piqued member interest. A 67% majority is in favor of holding field trips during the year in addition to the annual meeting. In fact, several members volunteered to be field trip leaders. Sounds like a GO for 2000!

A number of insightful ideas came for improving our Society, such as:

- A. We need to publicize our existence better. Find & identify advantages/perks of MES membership. Available discounts? First access to new publications/info?

We need to clearly identify advantages, why someone would want to join MES.

- B. Some of the talks at the 1999 MES Annual Meeting seemed to be more a presentation of an organization rather than actual results or progress made. These talks should have been displays. Other talks were enjoyable but time slots designated seemed too long. Although time slots seemed long speakers still went over their time. These times should be better enforced. So with shorter talks more talks could be given and interest maintained. Get more student involvement!
- C. This year was excellent, the theme was terrific. I also like contributed papers. I hope there is a way to do both, perhaps in successive years?
- D. Meeting in fall might be better for graduate students (after the field season). What role, if any, should the Dept. of Entomology at MSU play with regards to MES?
- E. Allowing for contributed papers seems to be desirable.
- F. 1) Invite insect groups in Great Lakes area. 2) Invite nature groups, e.g. TNC, MI Nature Assoc. 3) Invite science teachers. 4) Invite 4-H leaders. 5) Encourage members to serve as entomology resource volunteers for their local 4-H club.
- G. Keep "Mo" on vitamin pills!

The above results were presented to the MES Board members prior to their 9 December 1999 Business Meeting. These results were discussed at the Board meeting with several ideas being incorporated into next years plans. These member ideas and comments will be used for the next several years as the Board plans society activities. If you have additional thoughts on any of these or other topics please contact any Board member.

Thanks for providing ideas that help the MES Board plan Society activities more to your liking!

## Updated List of Michigan's Protected Species by Dave Cuthrell

The current versions of the special plant and animal lists are now available on the MNFI web page <http://www.dnr.state.mi.us/WILDLIFE/Heritage/Mnfi/default.htm>. These include all federal and state listed (threatened and endangered) species as well as a complete list of Michigan's special concern species.

Don't forget to check out the many new plant, animal, and community abstracts that are now available. Viewing requires Adobe Acrobat Reader, which is available for free downloading. Please stop back often, as new abstracts continue to be added to the site on a continuing basis.

# ***A Guide for Students on Quality Research Presentations at Scientific Meetings***

**Randall Cooper**

16672 152<sup>nd</sup> Avenue, Spring Lake,

MI 49456

Email: Renzie@aol.com

Oral presentations of research are the key element of most scientific meetings or conferences. For students looking ahead to their future careers in the sciences, the ability to effectively communicate ideas and information, both verbally and in writing, is fundamental to success. It is no wonder that many professors expect oral reports as part of class work, and that a thesis or dissertation is a requirement for obtaining an advanced degree.

Many of the same skills are needed to present research either verbally or in writing. In both cases, the intentions are to enable listeners or readers to: (1) know the objective(s) of the study; (2) assess how observations were made, such that the experimentation could be repeated; (3) understand the results; and (4) be able to evaluate the researcher's thought processes (are the conclusions supported by the findings?). The sections in the body of a research paper (Introduction, Materials and Methods, Results, and Discussion) form the framework to convey this information. Well-organized oral presentations will contain similar elements in identical sequence.

Although the goals of an oral or written research presentation are the same, these two means of communication represent very different ways of going about this. Public speaking is one of the greatest fears known to many people. As a consequence, many of us aren't very good at it. The advice on verbal presentations offered below cannot conquer this psychological fear. It is something everyone must do individually. I can say from experience, however, that giving oral papers is not as bad as it may seem. They are usually quick (15 minutes or less) and if you have visuals (which is typically the case), the lights are out at least part of the time. Having the

lights off can work against you (the audience sleep factor), but this is where a skillful presentation makes all the difference.

Giving a paper verbally provides an opportunity to escape the formality of a written paper. Talks should not be read. A good speaker can convey enthusiasm in many ways. We process verbal information not only on *what* is said, but also on *how* it is said. Audibility, good timing and pace, and even humor find their place in a well-received talk. When contemplating these qualities, remember that practice makes perfect. Rehearsing should include being certain on the pronunciation of scientific names in the presentation.

**Abstracts.** Before getting into the visual and verbal elements of presentations, a few words should be said about abstracts, which may be required as part of applying to give a paper at a scientific meeting. A written abstract included with an oral paper should be prepared with the same care as if it were prefacing a written paper. In written media, the abstract is perhaps the most important part of the paper. Readers scan it to decide whether they should wade through the bulk of the article. The abstract is a mini-paper in itself, and needs to be critiqued in the same way as a full manuscript. It should clearly state the objective of the research, what organisms were involved, and summarize the experiments or observations and important findings. Correct grammar is a must, and be as specific as possible.

**Visual aids.** Carefully planned visual aids are the underpinning of a great talk. The easy availability of personal computers and graphics software has led to many creative variations in depicting research data. Avoid complex graphs and large tables (more than 3 rows and 3 columns) full of numbers. Do not repeat the same material in figures and tables. Neither graphs or tables should come from typewritten material such as that prepared for written publication. Simplify them, making one point per aid. Large blocks of text on the screen cause unnecessary clutter and any statements projected should not be read. The audience can do that. Make sure text can be read easily from at least 10 m. Label graph axes closely and place symbol keys in the graph. Some color

combinations are very hard to see and some combinations contrast so highly that they are painful to look at. Also, a few people are red/green color-blind.

**Methods and Materials.** Procedures need to be detailed enough to give the audience an accurate idea of what was done. Don't dwell on standard and generally known methods such as how an item was weighed or how a standard statistical analysis was performed. Be sure to mention when and where studies were done, number of replications, etc. Use the metric system throughout.

**Results.** This portion gives the facts found even if they are contrary to hypothesis or expectation. The presenter must do more than just summarize the data. Findings need to be explained by noting what patterns, trends or relationships were observed. Throughout this process, keep in mind the difference between *hard* and *soft* evidence. The Results portion of the talk is meant to present hard evidence, which consists of verifiable facts. These facts are rarely presented as raw data. Instead, data usually are summarized using means, frequency tables, percentages, or other descriptive statistics. Soft evidence consists of opinion and, if appropriate, belongs in the Discussion portion.

**Discussion.** This section culminates with the conclusions of the study. It is the presenter's opportunity to "editorialize" about what the results mean. Keep statements simple, excluding verbose language and fancy technical words. Avoid speculative reasoning and unfounded extrapolation to a bigger picture than that shown by the data. Otherwise, it might appear that even the data-supported conclusions are cast into doubt. Be honest about any limitations, assumptions, or shortcomings that qualify the conclusions being made. Research seldom unfolds entirely as anticipated, but this is often how great discoveries are made.

**Close of the presentation.** It is crucial that all portions of the presentation be concluded within the allotted time. Practice the talk in advance to be certain the timing is good. It is typical to allow at least a couple minutes for questions. Questioners may be seeking more information on materials and methods, or may ask about how the research just presented relates to other studies with

which they are familiar. Sometimes questioners want to prod the presenter into speculations about the results. Avoid the temptation to speculate in front of the audience and possibly get trapped into statements that shouldn't justifiably be made. This type of discussion is best held one-on-one with audience members *after* leaving the podium. Throughout any period of questions, don't be afraid to say "I don't know" if the answer is unknown. No one knows everything.

Making oral presentations of research may be uncomfortable at first, but gets easier with experience. People are usually sympathetic to the challenges of standing before an audience, and they want the speaker to succeed. For that period of time, the presenter is the "expert." That thought in itself should provide a boost of confidence.

**Additional Reference:** Myers, Judith H. 1983. Presentations at scientific meetings. *Bull. Entomol. Soc. Can.* 15(2): 50-51.

## **1999 MES Governing Board Meeting Minutes**

At 6:00 PM on 9 December 1999 the Governing Board of the Michigan Entomological Society met in the conference room of the Department of Entomology at Michigan State University. The following board members were present: George Balogh, Randy Cooper, David Cuthrell, Bob Haack, Bob Kriegel, Mogens Nielsen, Owen Perkins, Therese Poland, and Ronald Priest. The following issues were discussed:

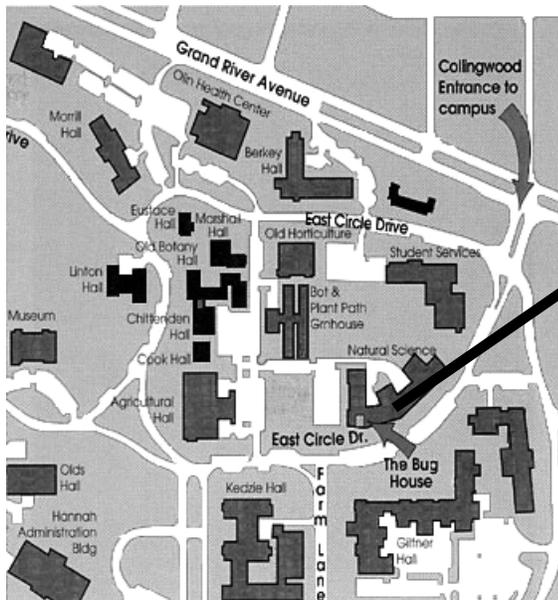
1. Plans for the 2000 MES Annual Meeting were discussed. The meeting will be held on Friday, 2 June 2000, at the Kellogg Biological Station near Hickory Corners, MI. Ron Priest and Leah Bauer will assist George Balogh with planning the meeting. The Board discussed ways to make the meeting more interesting and involve students more. This year's meeting will include a student presentation competition and a photo salon. Randy Cooper volunteered to organize the student paper competition. Additional information about the annual meeting and a call for submitted posters will be published in the spring Newsletter.
2. A discussion on the nomination of officers for 1999-2000 followed. Potential candidates for President and Member-at-Large were discussed. A final ballot will be prepared and distributed to the membership during Spring 2000.
3. Randy Cooper, editor of the *Great Lakes Entomologist*, gave a report on the Society's journal. At the time of the Governing Board meeting, the Fall/Winter 1999 issue of the journal was almost completed and work was underway on the Spring/Summer 2000 issue. Randy is working on a more detailed style guide to assist authors in preparing their submissions. Article submissions continue to be strong.
4. Bob Haack gave a report on the MES Newsletter. The next issue should be published later in December. The board discussed trying an insert with color photographs in an upcoming issue of the Newsletter.
5. Mogens Nielsen delivered the treasurer's report. As of 9 December 1999, the Society's holdings are distributed between petty cash (\$22), checking account (\$7,328), checks on hand (\$695), certificates of deposit (\$6,682 @ 6.75% interest) and accounts receivable (\$840). Total assets were \$15,567. This compares to December assets of \$14,051 in 1998, and \$12,945 in 1997. Expected income for the remainder of the year is \$4,000. Expected expenses for the remainder of the year are \$3,600. The prognosis for the Society's finances for the next six months is good.
6. Bob Kriegel delivered the Secretary's report. The minutes from the 1999 Annual Meeting were published in the August issue of the Society's Newsletter. As of 9 December 1999 the Society membership is as follows: 354 active members, 25 sustaining members, 21 lifetime members, 1 honorary member and 3 student members. In addition, there are 59 institutional memberships and 115 subscriptions to the society's journal. Finally, 124 copies of the society's publications are distributed gratis, primarily to high school biology teachers throughout Michigan. Over the next year information on the member's interests and email addresses will be added to the membership list. This information will be included in the membership list published in the Newsletter.
7. Two items of new business were discussed. First, a standing committee was formed to assist the President-Elect with planning the Annual Meeting. The committee will consist of the President and the immediate two Past Presidents of the Society. Second, Ron Priest presented a list of possible changes to the MES Constitution and By-Laws suggested by the committee reviewing this matter. Discussion followed. A final set of recommendations on changes will be published in the Society's Newsletter and discussed at the next Annual Meeting.
8. The meeting was adjourned at 9:30 PM.

Respectfully submitted, Robert D. Kriegel, Secretary

**Breaking Diapause  
18 March 2000**

***Come and meet with other fellow entomologists and insect enthusiasts! Bring along insects to identify. Refreshments will be provided. Tour the Michigan State University Insect Collection and the Bug House.***

***For more information, contact Mo Nielsen by phone at 517-355-7294 or by e-mail at nielsen4@pilot.msu.edu***



**Where?**

**When?**

Saturday, 18 March 2000  
9 AM until mid-afternoon  
Room 244  
Natural Science Building  
East Circle Drive, MSU  
(above the Bug House)

## MICHIGAN ENTOMOLOGICAL SOCIETY



DEPARTMENT OF ENTOMOLOGY  
MICHIGAN STATE UNIVERSITY  
EAST LANSING, MICHIGAN 48824

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