

TORONTO ENTOMOLOGISTS ASSOCIATION

The first meeting for the year will be held in Room 4 of the R.O.M. at 2:00 p.m., Saturday, October 18. This avoids the Thanksgiving weekend, and will be the last opportunity for Father Charles Riotte to attend before leaving the R.O.M. He will be exchanging the variable climate of Toronto for the warmth of Hawaii, as Research Associate of the Bishop Museum.

The October 18 meeting will be an unstructured get-together, with no formal lecturer. Several of us are prepared to talk about summer field work, and everyone is urged to bring along slides, specimens and ideas for future meetings.

This year I would like to see more participation by the members, and invite suggestions. Paul Catling has been "volunteered" into an illustrated talk on the importance of identifying larval or adult host plants. Possibly Tony Holmes could be persuaded to amplify on his ideas of butterfly distribution in relation to soil maps.

Gord Edmund and Paul Catling met with officials from the Ministry of the Environment at the Halton Co. Forest, and will report on the present status of our efforts to conserve P. virginianensis.

A reminder: Dr. Charles D. Bird is compiling data for the book on Alberta butterflies and is eager for records. Please search your collections for Alberta specimens, and list them with date, sex and any other information. Gord will correlate them and mail the results to Dr. Bird. This project is important, and time is urgent.

We hope to have two further meetings before Christmas, so these are tentatively set for November 15 and December 13.

Please bring along traders of any group, pinned or papered, and also invite any entomologically-minded friends. We need to build up our membership, and surely there must be plenty of eager amateurs who would enjoy our company once a month.

See you on the 18th,



Gord Edmund

Royal Ontario Museum
100 Queen's Park
Toronto, Ontario M5S 2C6
Telephone 928-3666

TORONTO ENTOMOLOGICAL ASSOCIATION

NOTICE OF MEETINGS

December 4, 1975

Because of the mail strike, it has been impossible to send out regular notices. However, as announced previously there will be a meeting on Saturday, December 13th at 2:00 p.m. in Room 4. We have arranged for a good speaker so please tear yourself away from Christmas shopping and let yourself be enthralled!

Our speaker will be Dr. Steven Tobe, a Research Fellow, Department of Zoology, University of Toronto. He has spent time in Africa and England studying tsetse flies and migratory locusts. He will present some of his research on juvenile insect hormones.

The next meeting will be on January 17th, same time and place. Dr. Ian Campbell, Associate Professor in Life Sciences, Scarborough College, will talk on "Lipids and Metabolism in Fact and Fiction". Beginning with his research on diapause in insects, Dr. Campbell has traced the active and resting states to variations in the proportions of the unsaturated fatty acids which are involved in the oxygen transfer (respiration) system. This led him to the problems associated with the same system in humans, where genetic defects lead to diseases such as cystic fibrosis. Dr. Campbell is knowledgeable in both entomology and human genetics and is an enthusiastic speaker.

Please plan to attend both these meetings, and feel encouraged to bring your friends. As usual we hope to have time for show-and-tell, and swapping. The R.O.M. collections will be available for study following the meeting.

Hope to see you soon.



Dr. Gordon Edmund



TORONTO ENTOMOLOGISTS' ASSOCIATION

DECEMBER 28 TH

Dear Member,

The 1975-76 is well under way, and three meetings have been held so far, the first two poorly attended, probably due to the mail strike and the fact that notices could not be distributed. The attendance was better at the last meeting, with interesting dissertations on Tsetse Flies and Locusts.

The next two meetings will be held on January 17 th & February 14 th, and very good lecturers have been obtained for both occasions, so I hope everyone will make an effort to attend.

The January 17 th meeting will also have a short business session and election of officers for the coming year. If you would like to nominate anyone and cannot attend the meeting, please send nominations to me. Gord Edmund will be unable to run for the office of President this year, so we need nominations for a replacement. Also, only half of the current membership list of 42 have paid their dues (still \$5.00), so if you have not paid and wish to continue your membership, would you please send the dues to me as soon as possible.

A handwritten signature in cursive script that reads "Alan J. Hanks".

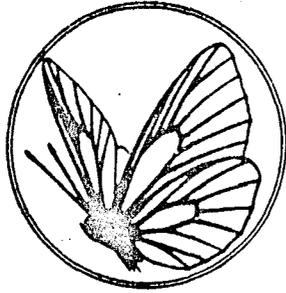
ALAN J. HANKS

TREASURER & MEMBERSHIP COORDINATOR

34 SEATON DRIVE

AURORA, ONTARIO,

L4G 2K1



TORONTO ENTOMOLOGISTS' ASSOCIATION

NEWS BULLETIN - JANUARY 1976

Next Meeting Feb. 14, R.O.M. Room 4 2:00 p.m.

This News Letter, the first of the '75-76 season, is intended to set the style for future issues. Members are encouraged to contribute news and announcements about happenings within the Association and on items of interest from outside.

Meeting of Jan..17/76

About 15 members were present. Gord Edmund conducted a fairly lengthy but very interesting business session followed by a slide lecture on the life histories of certain Ontario butterflies by Walter Plath Jr.

The main points of interest of the business session were as follows:

- a) Dr. Gord Edmund will continue as President. From time to time he will solicit temporary chairmen to conduct a particular meeting.
- b) Quimby Hess will continue as Secretary.
- c) Alan J. Hanks will continue as Treasurer and Membership Co-ordinator.
- d) After the meeting of Feb. 14/76, meetings will be held every 6 weeks instead of every 4 weeks, so that the next meeting after February's will be Mar. 27/76.
- e) Main Association projects for 1976:
 1. Publish 1975 Annual Summary of Ontario Rhopalocera (Dr. G. Edmund is co-ordinating this project and your summary must be in his hands no later than Feb. 14/76).
 2. Continue work on Annotated Checklist of Butterflies and Skippers of Ontario (based on private collections, literature, etc.) complementing the List of Ontario Lepidoptera (based largely on museum specimens), completed by J.C.E. Riotte which is being readied for publication by the R.O.M. It was tentatively agreed that the R.O.M. would be approached re publication of the Association's paper when it is completed. (Chairmen of sub-committee is A.M. Holmes, committee members are Paul Catling and Bill Edmonds. If you have any data of special interest on occurrence, habitat, flight periods, life history, etc. especially for rarer species, please contact the committee.)
 3. 1976 Summary - All members are requested to keep full notes so that the 1976 Summary of Ontario Rhopalocera will be as well-documented as possible.



TORONTO ENTOMOLOGISTS' ASSOCIATION

f) Meeting of Feb. 14/76 at the R.O.M., Room 4, 2:00 p.m.

The special lecturer will be Prof. Ian Campbell of Scarborough College. He has an interesting background of entomology and genetics, having done pioneer work in the role of lipids in the metabolism of insect diapause. Unsaturated fats play a large role in the respiration of both insects and higher animals, and Dr. Campbell's research led him to a study of this process in normal and genetically affected humans. He is currently working on Cystic Fibrosis and other conditions which are linked to defects in this metabolic chain. An enthusiastic and knowledgeable speaker, Dr. Campbell will tell us how his work on insect diapause led to his current interest in human genetic diseases. This lecture would be an excellent introduction for new members or friends, so please feel free to invite any of your associates.

N O T I C E S

1. Dr. Charles D. Bird, Faculty of Arts and Science, Department of Biology, The University of Calgary, 2920 - 24th Ave. N.W., Calgary, Alberta, T2N 1N4, wants your data on Alberta butterflies and skippers to be used in his forthcoming Book. Data forms will be available at the meeting.
2. Gustavo Adolfo del Barco, Romancero 5-59, Burgos, España, wants to exchange Lepidoptera.
3. Q. Hess, phone 486-8928, has Manitoba, U.S.A., Central America and Amazonas species for sale or exchange, spread or papered with full data, also glassed wall displays, mostly morphos. Also Japan and Solomon Islands species. Limited quantities.
4. Alan Hanks wants your 1975/76 dues (\$5.00) if you have not paid your membership to date. Please co-operate.

for *Q. Hess*
Q. Hess,
Secretary



TORONTO ENTOMOLOGISTS' ASSOCIATION

NEWS BULLETIN - MARCH 1976

NEXT MEETING - MARCH 27, 1976 - 2:00 P.M. - ROOM 4 - R.O.M.

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1. Meeting of February 14, 1976.

Fifteen members were present, and after a business session conducted by President Gord Edmund, we were treated to one of the most interesting lectures heard by the membership so far. The Speaker was Professor Ian Campbell of Scarborough College, and he discussed in detail some of the factors affecting insect diapause, hibernation, and related phenomena. During the discussion, he drew parallels between these factors and similar phenomena found in studies of Cystic Fibrosis.

2. March meeting.

The speaker for this meeting will be one of our own members, A.M. Holmes. His topic for discussion is expected to be 'Butterflies of the Great Lakes Region!'

3. Annual Summary.

This has been compiled, and after checking will be published and distributed. Many interesting facts will be found in this Occasional Paper No.6, with all paid-up members and selected libraries receiving copies in due course.

4. Summer cottage.

Member Walter Plath Jr. of 32 Spruceside Drive, Hamilton will have a cottage in the Geraldton area for June & July 1976. Anyone interested in joining him in this venture can contact him at the above address. In order to help defray expenses, anyone participating will be charged \$60.00 per week for 'room & board'.

Quimby Hess,

Secretary.

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TORONTO ENTOMOLOGISTS' ASSOCIATION

NEWS BULLETIN - APRIL 1976

NEXT MEETING - APRIL 24, 1976 - 2.15 P.M. - ROOM 4 - ROM

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The speaker for the April meeting will be Paul Catling, who will give a talk on larval foodplants and plants attractive to insects

1. During the March 27 meeting, it was agreed that all members would bring their surplus specimens for trading. In order that sufficient time is available, please come before 2 P.M. but not before 1 P.M.
2. All members and others attending the meeting will be asked to review their plans for the 1976 collecting season.
3. During the meeting, certain recent books will be reviewed:-
 - "The Swallowtail Butterflies of N.America" - Ken Thorne.
 - "The International Butterfly Book" - Al Hanks.
 - "Dictionary of Butterflies & Moths" - Al Hanks.
 - "Butterflies" (Emmel) - Tony Holmes.
4. Member Wodek Gregory has published his "Checklist of the Butterflies and Skippers of Canada" and this is available through the Lyman Entomological Museum & Research Laboratory as Memoir # 3 (Special Publication # 10), MacDonald Campus, McGill University, Ste.Anne de Bellevue, Quebec. Price - \$2.00.
5. During the last meeting, Tony Holmes gave a very interesting and valuable account of the "Butterflies of the Great Lakes Region" which was enjoyed by the 18 members present, and considerable discussion took place afterwards.
6. Present membership has increased to 38 after the last bulletin directed at those who had not paid their dues, and a new membership list will be circulated as soon as the season is completed.

QUIMBY F.HESS - SECRETARY.

ALAN J.HANKS _ TREASURER.



TORONTO ENTOMOLOGISTS' ASSOCIATION

NEWS BULLETIN - MAY 1976

1. The final meeting of the current season was held on April 24th in Room 8 at the ROM. Gord Edmund presided over a very busy meeting, with 17 members in attendance. Some members arrived early to trade specimens and look over several books.
2. The Secretary reported on the status of the 1975 Summary of Lepidoptera. 10 members submitted their summaries and there was considerable discussion on how to obtain a better response for 1976. It was suggested that all future reporters would use a checklist based on the 1975 Summary, which includes all butterflies known to occur in Ontario. Al Hanks agreed to prepare some forms and send them out to members. The 1975 Summary is being typed by Al Hanks at the moment, and should be ready soon, when all paid-up members will receive a copy.
3. Considerable discussion resulted from a suggestion that the TEA join the Federation of Ontario Naturalists (FON). It was decided that all members will be informed of the idea and their suggestions on this should be forwarded to President Gord Edmund. A vote will take place on the matter at the first meeting of the 1976/77 season (first Saturday in October).
4. Book reviews were given as follows:-
 - Ken Thorne - "The Swallowtail Butterflies of North America" by Hamilton A. Tyler (Naturegraph - \$5.95)
 - Al Hanks - "The Dictionary of Butterflies and Moths" by Allan Watson and Paul E.S. Whalley (McGraw-Hill Book Co. \$29.95)
:The International Butterfly Book" by Paul Smart (Thomas Y. Crowell Co. \$21.25)
 - Gord Edmund- "Borne on the Wind" by Stephen Dalton (Clark, Irwin & Co. \$22.75)
5. Paul Catling gave a most interesting talk on the food plants of Lepidoptera and on the faunal zones in Ontario. He recommended the following books as being helpful in the identification of food plants:-
 - Britton & Brown - 1950 - "Illustrated Flora of Northeastern North America" 3 Volumes - about \$70.00. (a cheaper edition is available from Dover Books at about \$20.00 for the three).

Gray's "Manual of Botany"

"Michigan Flora" - Volume 1 by Voss (Monocotyledons)

"Grasses of the Ottawa District" by W.G.Dore (available from the Federal Dept. of Agriculture).

Hope you all have a nice season,

Quimby Hess - Secretary.

Al Hanks - Treasurer.

FOR SALE: 1 copy of "The Butterflies of Africa" by Williams. (mint) \$5

Al Hanks - 34 Seaton Drive, Aurora, Ont. L4G 2K1

WANTED. "Hong Kong Butterflies" with notes by Major J.C.S.Marsh FRES
Published by Shell Company of Hong Kong Ltd. in 1960. Also
any other books on butterflies or moths, particularly mono-
graphs by Fox on the Ithomiidae.
Al Hanks - address above. Write stating what you have and
price.