



TORONTO
ENTOMOLOGISTS'
ASSOCIATION

1990/91

Meeting # 1
90/91 Season

The first meeting of the 1990/91 season was held on September 22nd in the Lecture Room of the Planetarium, starting at 1 p.m. Members present were George Bryant, Sid Daniels, Greg Daniels, Steve Donald, Alan Hanks, Quimby Hess, Phil & Pat Schappert, Bob Curry, Carolyn King, Duncan Robertson, Tony Holmes, John Prideaux, John Eberlie, Ron Tasker, Mac McDonald, David Gaskin, Paul McGaw and guest Lothar Jung.

1. Butterflies on the Endangered Species List:

An overview was given of a June 5th, 1990 news release from the Ministry of Natural Resources entitled "MNR lists two butterflies and removes one from the Endangered Species List".

This means that the West Virginia White is now classified as rare and the Karner Blue and Frosted Elfin as endangered and the two latter species are now protected under the Endangered Species Act & Regulations.

It was pointed out at the meeting that only two Karner Blue adults were recorded at Port Franks in 1990 and none at St. Williams since 1987. The last recorded sighting of a Frosted Elfin at St. Williams was in 1988. The 1990 study of the West Virginia White by Landplan for the MNR indicates that the species is more widespread than previously thought, but it is local and the local populations, with a few exceptions, are quite sparse. Thus, unless the Endangered Species Act is strengthened and affords habitat protection for rare species (as proposed by certain members of the new NDP government), the net result of this exercise is a loss for environmentalists).

2. Summer 1990 'Seasons':

Vice-president Phil Schappert discussed his fine article on butterflies in the summer 1990 edition of the FON publication 'Seasons'.

3. The 1990 butterfly season:

Bob Curry gave a very interesting account of the butterflies encountered during his stay on the Hudson Bay Coast west of Winisk, and also provided records for Moosonee and Ekwon Point. A highlight was the presence of the Persius Duskywing. Other members added their experiences in other parts of Ontario, especially Pelee. The results of the 1990 Field Trip to Grand La Cloche, Birch Island and Manitoulin were discussed.

4. Financial Report:

The 89/90 season was completed with \$105.50 remaining in the account. This was largely due to the fact that mail costs increased, particularly for the mailing of summary copies. Overseas mailing is now impossible, as the mail requirements are for first class only, and this is very costly.

Please forward membership dues to the Treasurer as soon as possible.

5. New Business:

a) After new members and guests were introduced, Treasurer Al Hanks reviewed correspondence received since the last meeting.

b) The 1989 Summary was printed and distributed a bit later than usual.

c) It was decided that the 1990 Summary would again be compiled by Q.F. Hess and produced by Al Hanks.

Please Note - forward your 1990 butterfly and moth records including place, date, interesting observations and articles (see sections 4 and 6 of the 1989 Summary) to Q.F. Hess, 11 Esgore Drive, Toronto M5M 3P9 as soon as possible (before December 15, 1990). Please include your 'phone number in case there are questions on the material. Photographs should preferably be in black and white, so that reproduction for use in the summary will be a lot easier. Most photo labs can make the prints for a very reasonable sum.

d) The members present approved the appointment of George Bryant as the new TEA representative to the FON.

e) The status of our proposed publication - "The Butterflies of Ontario" or "The Ontario Butterfly Atlas" was reviewed. The special committee working on this is composed of the following members:

Tony Holmes - Chairman
Dr. Ron Tasker, Quimby Hess and Alan Hanks

The meeting was advised that the publication is nearing completion and a proposal has been outlined to send to two possible publishers. The members re-approved the above special committee to continue with the project.

6. Programme:

The programme consisted of the showing of slides by several members - mostly relating to the 1990 flight season.

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The next meeting will be on October 20th, in the Planetarium Lecture Room, which will be available from 12:30. The meeting will start at 1:00 p.m. The main speaker is Dr. John Eberlie, who will talk on his research into the life histories of Ontario butterflies - accompanied by slides. We are all looking forward to John's presentation as he is one of the foremost researchers into the life histories of Ontario butterflies. Members are invited to bring along specimens etc.. from the 1990 season. Let's have a super turnout.



"Egad! It's Professor DeArmond—the epitome of evil amongst butterfly collectors!"



TORONTO ENTOMOLOGISTS' ASSOCIATION

Meeting # 2
90/91 Season

The second meeting of the 1990/91 season was held on October 20th in the Lecture Room of the Planetarium, starting at 1 p.m. Members present were Steve Donald, Alan Hanks, Quimby Hess, Phil & Pat Schappert, Carolyn King, Duncan Robertson, Tony Holmes, John Eberlie, Doug Scovell, Jim Spottiswood, Margaret Liubavicius, Merne Powers, Margo Holt, Nancy Ironside, Tom Totomi Ikeda, Alan Brown, Bill Edmonds, Paul McGaw and guests Michael van der Poorten, and Nancy, Shauneen Beatson, Clive Holloway and Miyoko Takahashi.

1. The West Virginia White:

Quimby Hess reviewed the 1990 Landplan field work to determine the actual situation of the West Virginia White in Ontario. The basis of this review was "A Two Year Monitoring Study of the West Virginia White - Butterfly Year I" - dated Sept. 1990 (by Landplan Consultants for the Ontario Ministry of Natural Resources).

Some new localities were pin-pointed in 1990 for Peel, Waterloo, Victoria and Lanark counties and in the Algoma District. However, the populations are generally sparse in all localities except the Halton Co. Forest Currie and Robertson Tracts.

Al Hanks read an excerpt from the Canadian Aggregates Magazine which dealt with the removal of the butterfly from the Endangered Species List and its impact on the aggregate industry.

During the discussion it was pointed out that the Wm. Davis PC government amalgamation of the Dept. of Mines and the Dept. of Lands & Forests into the Ministry of Natural Resources meant that such things as the protection of the habitat for wildlife such as the West Virginia White became very difficult. Thus one result was that the aggregate industry could now destroy part of the unique habitat on the Niagara Escarpment to furnish material for the skyscrapers in Toronto (which are known to be uninhabitable by native flora and fauna).

2. TEA Public Relations:

a) Advertising: Carolyn King has kindly volunteered to look after forwarding TEA meeting announcements and other items of interest to such bodies as the Toronto Field Naturalists and Federation of Ontario Naturalists. Members with items of interest are asked to contact Carolyn at 222-5736.

b) Programme: Vice-President Phil Schappert will be responsible for getting speakers and setting up programmes for our meetings.

Both Carolyn and Phil will work in close consultation with the President and Treasurer.

c) Membership List: Al Hanks will bring some copies of the membership list to the next meeting for distribution to officers and others, depending on the number of copies available.

d) FON Representative: A letter will be sent to FON Executive Director, Dr. Ian Kirkham, re the appointment of George Bryant as TEA representative to the FON. The letter will advise that all mailings to the TEA from the FON should be forwarded to George, who will bring the material to our meetings for distribution.

3. The proposed publication "The Ontario Butterfly Atlas":
 A proposal on the above was sent to the Director, Wildlife Branch, MNR, dated Sept. 24, 1990. A reply was read to the meeting., It is very likely that the MNR will proceed with the proposal and a meeting with the TEA committee will be arranged as soon as possible.

4. Financial Report:
 - a) Al Hanks advised that there is \$700+ in the bank from 48 paid-up members - 23 being left unpaid. If you have not paid your dues, please forward a cheque as soon as possible.
 - b) The question of costs was raised. As an example, the copying and circulation of minutes is \$17.16 for copying and \$27 for mailing, a total of \$44.16 for each meeting. After some discussion, the following measures were made:
 - 1) For the 1990/91 season, some minutes or notices might be amalgamated to decrease the number of mailings.
 - 2) For the 1991/92 season, the annual dues would be increased from \$15 to \$20. This had unanimous approval of those present.
 - 3) A pro-forma annual budget will be prepared prior to each season and presented at the first meeting so that finances may be discussed.

5. Butterfly Field Check List:
 Jon Eberlie proposed that the TEA prepare an Ontario Butterfly Field Check List for publication by the FON to join their other field checklists. This was accepted. After some discussion it was decided the checklist would include the scientific names (as in the TEA 1989 Summary) and also the common name for each species as per Klots Field Guide.

6. New Business:
 - a) Phil Schappert noted that a free lecture titled "Ants, Plants and Blue Butterflies" will be given in the Planetarium Lecture Room by Dr. Pearce on November 29th at 8 p.m.
 - b) Phil Schappert is looking for copies of the Journal of the Lepidopterists Society for 1973 and earlier and 1984 to 1987. If anyone can help, his telephone number is 832-6206 (Maple).

7. Programme:
 - a) Tom Toyomi Ikeda brought in a collection of butterflies from Ontario and the West, the highlight of which was an *Erora laeta* collected near the east boundary of Algonquin Park
 - b) John Eberlie gave an illustrated lecture on the life history of some of the Ontario butterflies with fascinating details based on years of rearing. There were a number of questions following the presentation

8. Up-coming Meetings:
 - 1) November: The third meeting will be on Nov. 24th, when Dr. David Gaskin of the University of Guelph will give a talk on the problems of conservation in eastern Europe titled "A Meeting of Two Worlds".
 - 2) December: There is no meeting in December.
 - 3) January: The fourth meeting will be on January 24th, 1991, the speaker being Prof. James Fullard of Erindale College.

Note: To economise, no minutes will be sent from the November meeting. They will be combined with the January minutes in one mailing before the February meeting.

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TORONTO ENTOMOLOGISTS' ASSOCIATION

PRESIDENT: Quimby F. Hess (482-1637)
VICE-PRESIDENT: Phil Schappert (832-6206)
TREASURER Alan J. Hanks (727-6993)

Meeting No. 3 - 90/91 Season

The third meeting of the 1990/91 season was held on November 24th in the Lecture Room of the Planetarium, starting at 1 p.m. Members present were Alan Hanks, Duncan Robertson, Phil & Pat Schappert, Carolyn King, Paul McGaw, Merne Powers, Alan Wormington, Quimby Hess, Steve Donald, Bill Edmonds, Tony Holmes, John Prideaux, Dr. John Eberlie, Jim Spottiswood, Tom Ikeda, David Gaskin and guest Perry Breslin.

1. Minutes of the last meeting (Oct. 20th, 1990):
The minutes were accepted without corrections.

2. Matters arising:

a) The West Virginia White:

Al Wormington discussed the status and his experiences with local populations in the Algoma Region. Quimby Hess added some information based on his observations in the same area.

b) TEA Public Relations:

i) Public Information Brochure: Vice-president Phil Schappert brought to the meeting several copies of a new brochure that he has devised. This brochure will be distributed to various agencies - educational, nature clubs, museums etc.. This is an impressive brochure & when sufficient copies are available they will be distributed to TEA members. Hopefully this effort will increase public awareness of the valuable contribution the TEA is making to the culture and education of Ontario citizens and others. Some members present took a copy for review. For information contact Phil ('phone # above).

ii) Publicity Poster: Carolyn King showed her new poster to be placed on University and other School bulletin boards. The aim is to notify people of the existence of the TEA and attract possible new members. This fine poster has already been placed on some bulletin boards. For more information contact Carolyn at (416) 222-5736.

iii) Other Publicity Outlets: Carolyn and Phil discussed the use of radio stations such as CBC and CFRB to transmit information on the TEA.

c) Membership List: Al Hanks brought copies of the current membership list for some of the Executive. He noted that there are currently 78 names on the list, our highest total for a long time.

d) FON Representative: A letter has been sent to FON Executive Director, Dr. Ian Kirkham, re the appointment of George Bryant as TEA representative to the FON.

e) Ontario Butterfly Atlas: Quimby Hess advised re his contacts with the MNR and Tony Holmes discussed the status of revisions for the latest draft. We are awaiting word from the MNR and a final rough draft will be reviewed by the committee as soon as it has been 'computerized' by Al Hanks.

f) Meeting minutes: It was decided that, contrary to the statement in the last minutes, it would be advisable to send out the minutes of this meeting so that members would be aware of the January programme.

4. Financial Report:

Al Hanks advised that there is \$900+ in the bank from 69 paid-up members - 9 being left unpaid. If you have not paid your dues, please forward a cheque as soon as possible.

5. Butterfly Field Checklist: Al Wormington stated that he had been working on this for some time at the request of Martin Parker of the FON, who runs the membership trips. It will include species, subspecies, status and certain other information. John Eberlie's proposal noted in the last minutes will no longer be necessary.

6. Correspondence: Al Hanks reviewed a programme sent by TV Ontario about the "Green Earth Club" for children. It was felt that the TEA might give some input into this and Paul McGaw (a public school teacher) volunteered to contact TVO about the possibility and report back to the TEA.

7. Programme:

a) Al Wormington was on the MNR Faunal Survey Project for the Butterflies of the Hudson & James Bay Regions in 1990. He showed examples of some butterflies collected along the coast of Hudson & James Bays. Many gaps in our knowledge of the butterfly fauna of these remote regions have been filled by this project. Another member of the TEA, Bob Curry, was also involved.

Al also had specimens of rare hawk moths and butterflies, mainly from the Lake Erie region. He found the first specimen of *Erynnis zarucco funeralis* ever recorded in Ontario. His specimen was much admired by members present. All these new records will be included in the 1990 Summary now undergoing compilation.

b) Our main speaker was Dr. David Gaskin of the University of Guelph, who gave an illustrated lecture on butterfly conservation in Europe with link-ages to conservation in North America. As always, he held the audience spellbound with his reminiscences of working conditions in Albania and Greece and the difficulties in "selling" conservation measures.

8. Up-coming Meetings:

1) January: The fourth meeting will be on January 26th, when the speaker will be Prof. James Fullard of the University of Toronto Erindale Campus, whose topic will be "The Co-evolution of Moth Defences and Bat Predation". Let's have a good turnout for this interesting topic.

In the meantime, Best Season's Greetings to all TEA members. See you in the New Year!

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Meeting No. 4 - 90/91 Season

The fourth meeting of the 1990/91 season was held on January 26th in the Lecture Room of the Planetarium, starting at 1 p.m. Members present were Alan Hanks, Quimby Hess, Jo Prsa, Sid Daniels, Greg Daniels, Peter Penev, Duncan Robertson, Phil & Pat Schappert, Carolyn King, Paul McGaw, Merne Powers, Alan Wormington, Claudia Schaefer, David Hislop, Bill Edmonds, Tony Holmes, Kevin McNamee, Barry Harrison, Dr. John Eberlie, Jim Spottiswood, Chris Rickard, B. Brown, Nick Tzovolos, Steve Donald, Matthew Godfrey, Ruth Barret, Michael and Nancy van der Poorten and Dr. James Fullard.

The meeting commenced with the main speaker, Dr. James Fullard of the Erindale Campus of the University of Toronto. He kept the audience of 29 enthralled with his slides, recordings and account, on a world-wide basis, of bats, moths and the intricacies of their co-evolution. It left the audience once again awed at the complexities of the natural world and how it all came about. There was an extended question period at the end.

1. Minutes of the last meeting (Nov. 24th, 1990):
The minutes were approved without corrections.
2. TEA Public Relations:
Phil Schappert and Carolyn King reported on action since the last meeting.
 - a) New T.E.A. Brochure - Phil Schappert advised that with the help of Al Wormington, he has produced a revised brochure. Some copies will be printed and their circulation will be decided at the next meeting.
 - b) Publicity Poster - Carolyn King reviewed action on the Poster & proposed placement on various university bulletin boards, etc. Phil is also involved in this endeavour. Carolyn has also placed notices in various publications. The public relations campaign appears to have had some impact judging by the number of attendees at this meeting.
3. Membership - Al Hanks reported that there were currently 69 paid up members from the listing of 75. Outstanding dues should be forwarded ASAP.
4. Ontario Butterfly Atlas: Tony Holmes advised that the finishing touches are being made and that some draft copies will be produced. Tony mentioned an interesting piece of detective work he undertook to find the collection that has an Ontario caught specimen of *Strymon ontario*. He was successful in tracking down the specimen in the collection of the University of Guelph, W. Ontario.
5. Royal Ontario Museum Publication - Nick Tzovolos advised on the status of a proposed publication, the "Annotated List of the Lepidoptera of Ontario" by J.C.E. Riotte et.al. It is expected that the R.O.M. will have this out later this year.
6. The 1990 TEA Ontario Lepidoptera Summary: Quimby Hess advised that the data was completed and Al Hanks was working on the production. The number of co-operators providing data for the season had increased over previous years and the 1990 Summary included much new data on Ontario Lepidoptera. The data to be included was selected based on financial and time limitations.

7. West Virginia White in Ontario: - Quimby Hess has reviewed the September 1990 report on the West Virginia White in Ontario produced for the Ministry of Natural Resources by Landplan Collaborators of Guelph.
8. World Wildlife Fund: - the submission on the Endangered Spaces campaign from W.W.F. Executive Director Monte Hummel dated Nov. 1, 1990, was circulated among the members present. Dr. John Eberlie moved, seconded by Al Hanks, that the President endorse the goals of the Canadian Wilderness Charter and ask to have our name added to the list of NGO's from across Canada who have also voiced support for the Endangered Spaces Campaign. The motion carried.
9. Y.E.S. International Entomology Resources Guide: - Dr. John Eberlie advised that the third edition of the above publication is available from:
 Young Entomologists' Society, 1915 Peggy Place, Lansing, MI 48910-2553.
 (Price \$6.75 U.S. per copy + \$2.95 postage on foreign orders).
10. Correspondence: - some minor items included a Belgian wanting beetles, a note on subscriptions to an insect and shell list (California). Al Hanks brought a Toronto Star article on the Monarch from the Dec. 4th, 1990 B5 section of the paper.
11. Up-coming Meetings: - The February 23rd meeting will be at the Planetarium Lecture Room prompt at 1 p.m. The main speaker will be Dr. Steve Marshall of the University of Guelph whose topic will be "Chasing Flies from the Yukon to Patagonia"

A brief discussion on our spring field trip included the possibility of joining up with the Peterborough Nature Club on their May 19th trip to the Twin Lakes area north of Norwood. More on this later.

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"Johnson, back off! It's an *Armandia lidderdalli* all right, but it's rabid!"



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Meeting No. 5 - 90/91 Season

The fifth meeting of the 1990/91 season was held February 23rd in the Lecture Room of the Planetarium, starting at 1 p.m. Members present were Alan Hanks, Quimby Hess, Jo Prsa, Duncan Robertson, Phil & Pat Schappert, Carolyn King, Paul McGaw, Merne Powers, Bill Edmonds, Tony Holmes, Jim Spottiswood, George Bryant, Nick Tzovolos, Steve Donald, Michael and Nancy van der Poorten, Bert Wigg, Tom Mason, Ron Tasker, Dr. and Mrs. Steven Marshall and visitors Miriam Webster, Sandy Smith, Samantha Song, Robert Mackle & James Downey with Elissa, Ashley and Bronwyn.

1. Minutes of the last meeting (Jan. 26th, 1991):

One correction was required in item 4 where the University of Guelph should be changed to the University of Western Ontario. Minutes then approved.

2. Membership:

Alan Hanks reported that there are now 73 paid-up members in the Association - a new high!

3. New T.E.A. Brochure:

Phil Schappert had a dozen copies of the revised brochure for distribution to the members present. It was decided to print 350 copies if possible. Tom Mason and Phil will work on this. Bert Wigg advised that he would fund the cost of production if it were not otherwise possible. Many thanks Bert!!

A copy of the brochure would be mailed to each member, additional copies to be made available for public relation purposes on request.

4. 1990 TEA Summary:

Alan Hanks has completed the data entry and a proof copy had been given to Quimby for correction. Alan said that copies would be available at the March 23rd meeting. Quimby mentioned his appreciation to all contributors and that much new data is included in the new Summary.

5. Ontario Butterfly Atlas:

Tony Holmes had some preliminary proof copies to show. They did not include the occurrence maps for each species. Some updating is still required before the proof is finalized. Quimby said he had contacted Mike Cadman at the University of Guelph who is co-ordinator for the "Atlas of Mammals of Ontario" project. This project is a co-operative undertaking of the FON, OFAH and the Ministry of Natural Resources. Mike advised that he had learned that budget deficiencies have developed in the MNR and other funding possibilities were being sought. This news is important to the TEA since last spring the MNR had indicated by letter that they may be able to help us with funding for the publication. The TEA has obtained \$5,000 to date from outside sources but requires an additional \$15,000 to publish the Atlas. Quimby asked FON representative George Bryant if he could ascertain whether the FON could help us find the funds still needed and he agreed to investigate this. Also, Dr. Steven Marshall advised that the Entomological Society of Ontario funds the publication of entomological literature and should be approached.

However, in the meantime, Quimby will contact the MNR to find out if they are still able to help us with publication of the Atlas.

6. Public Relations:

Carolyn King advised she is bringing some of her publicity posters for the TEA to the March meeting.

7. Nature Fest in Hamilton:

This activity is being co-sponsored by the Royal Botanical Gardens and the Hamilton Naturalists' Club. The TEA is invited to have a display and Alan Hanks will contact Bob Curry to see if he could handle this on behalf of the Association.

8. 1991 FON Conference:

This will be held May 17 - 19 at the YMCA Geneva Park Conference Centre near Lake Couchiching. Any interested members should contact the FON. Our FON rep. George Bryant also advised that the FON is looking for nominations for the FON Awards Programme. Please contact Al Hanks at 727-6993 for information or if you would like to put a members name forward for an award.

9. Correspondence:

a) Duncan Robertson discussed a letter from Father Riotte (a founding member of the T.E.A.) regarding certain moth nomenclature as used in the Summaries. The moths concerned have had the names changed for the 1990 Summary.

b) Alan Hanks received a request from a New York State University student for information on the Karner Blue from previous TEA Summaries. The student is working on a Karner Blue habitat assessment for NY State. The information has been forwarded.

10. Publications:

a) Phil Schappert discussed "Conserving Carolinian Canada" by Allen, Eagler and Price, published by the University of Waterloo Press. It contains one chapter titled 'Studies, Distribution & Life History Characteristics of some Butterflies at Risk in the Carolinian Forest Zone of Ontario' by Campbell, Coulson & Bryant and another chapter titled 'The Status of two Butterflies, Karner Blue (*L. melissa samuelis*) and Frosted Elfin (*I. irus*), Restricted to Oak Savannah in Ontario' by Packer.

b) The Association for Tropical Lepidoptera has issued the first two publications in their new series and they are excellent! Phil and Al have both subscribed. The address is: Association for Tropical Lepidoptera, c/o Center for Systematic Entomology, P.O. Box 1269, Gainesville, FL 32602, U.S.A. The annual membership is \$25 (US). The Association will be issuing various other publications on lepidoptera from N. America, Taiwan and the neotropics.

Quimby Hess has large numbers of entomological books for sale at good prices - call him at 482-1637 if you are interested.

The main speaker, Dr. Steven Marshall of the University of Guelph, had as his topic - "Chasing Flies from the Yukon to Patagonia". His illustrated talk had the audience spell-bound with descriptions of collecting along the Dempster Highway in the Yukon and southwards to Chile and Argentina. A question period followed his address.

Up-coming Meetings: - The March 23rd meeting will be at the Planetarium Lecture Room prompt at 1 p.m. The main speaker will be Dr. Laurence Packer of York University whose topic will be "The Biology of Wild Bees" - a fascinating subject. Your attendance is solicited.

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Meeting No. 6 - 90/91 Season

The sixth meeting of the 1990/91 season was held March 23rd in the Lecture Room of the Planetarium, starting at 1 p.m. Members present were Alan Hanks, Quimby Hess, Duncan Robertson, Phil & Pat Schappert, Carolyn King, Paul McGaw, Merne Powers, Bill Edmonds, Tony Holmes, George Bryant, Tom Mason, Michael and Nancy van der Poorten, John Eberlie, Alan Wormington, Tom Toyomi Ikeda, Bob Curry, Sid Daniels, David Gaskin and visitors Miriam Webster, John Taylor, Saewan Koh, Heidi Grant, Kelly Binnington, Brian Feldman, Gisele Sum, Ozzie Teichner, Debra Grant, Claudia Schaeffer, K. Sluczanowska, Elizabeth Littler from the Michigan Entomological Society and our speaker, Prof. Laurence Packer.

1. Minutes of the last meeting (Feb. 23rd, 1991): One correction was required in that Carolyn King had posters at a previous meeting rather than this one.
2. Membership: Alan Hanks reported membership had climbed to a total of 83 due to further members being added at the February meeting.
3. New T.E.A. Brochure: Tom Mason and Phil Schappert are currently working on production of copies of the newly approved brochure.
4. 1990 TEA Summary: Alan Hanks brought copies of Publication # 23-91 to the meeting and they were handed out to the members present. Copies will be sent together with the minutes to other members. The name of Tom Toyomi Ikeda (TTI) was omitted in error from the list of contributors, but his records are included - our apologies to Tom. Please add TTI to your copy on page 1.
5. Ontario Butterfly Atlas: Three preliminary copies have been completed, of which one was submitted on March 8th with a covering letter to the Ministry of Natural Resources representatives at Queen's Park. The presentation appeared to meet with a favourable reception, and we hope that financial assistance with the printing will be forthcoming. Meanwhile, work by the four member committee is proceeding towards a mock-up of the final proof. The objective is production during 1991. Information on copyright has been obtained and also an ISBN number assigned.
6. Nature Fest in Hamilton: The TEA will have a display at this event, which is being held on April 21st at the Royal Botanical Gardens in Hamilton from 10 a.m. to 5 p.m. Alan Hanks will be attending the event and hopefully another member will be able to help out.
7. Biology of Bees: Our main speaker - Prof. Laurence Packer of York University gave a wonderful presentation on the biology of some families of bees that he has studied - some of them quite obscure. The complexities of their life histories was covered by means of slides and the enthusiasm of the presenter made the experience most enjoyable for the members. There were plenty of questions at the conclusion of the talk. Our thanks to Phil Schappert for his efforts in obtaining some interesting speakers for the meetings.

7. FON Butterfly Checklist for Ontario: Al Wormington advised that he is still researching the Checklist, especially with respect to correct nomenclature and what subspecies to include. During the discussion, the crisis with respect to the Canadian National Collection in Ottawa was reviewed.
8. "The Habitat/Bird/Wildlife Assessment of Ontario's Subarctic Coast": Al Wormington had a copy of this MNR Report. It includes a list of lepidoptera (common names only), however, these records in greater detail are included in the TEA 1990 Summary (see item 4 above).
9. Florida's Butterfly World Exhibit: Paul McGaw described a visit recently to the above exhibit which is located on the outskirts of Fort Lauderdale in Florida. It is apparently well worth seeing. It has a North American and a Tropical wing and beautiful grounds. Live butterflies in all stages of their development are to be seen.
10. "Bugs & Bodies or The Entomological Sleuth": The Rotunda magazine for 1991 Spring had this interesting feature - reviewed by John Eberlie.
11. Costa Rica Tour: Mr. Ozzie Teichner (683-2116) is planning a nature tour in Costa Rica, Aug. 12 - 25, 1991 and invited interested parties to contact him for further details.
12. 1991 Field Trips: During the meeting, two field trips were tentatively agreed upon as follows:-
 - a) Twin Lakes Area - This will take place on May 19th in conjunction with the Peterborough Field Naturalists. Unfortunately, it conflicts with the FON Conference in Orillia. Anyone wishing to attend should be at the Twin Lakes Motel (24 km north of Havelock on Co. Road # 46) at 10:30 a.m. Phil Schappert will lead this - 'phone him for details (416) 832-6206.
 - b) Point Pelee: A trip led by Al Wormington has been tentatively arranged for the first week in August (3rd and/or 4th). Meeting place is set as "Doug's Place Restaurant", just north of the entrance to Point Pelee Park at 10:30 a.m. on the Saturday. More on this trip later!
13. Garita Skipper: John Eberlie would like to see some of the membership check if possible the LaCloche/Birch Is. area north of Little Current during the late June/early July flight period of the Garita Skipper. The aim is to continue our study to determine the status in Ontario.
14. Correspondence: Duncan Robertson reviewed a letter from Dr. J.C.E. Riotte of the Bishop Museum in Hawaii dated March 12 re *Sphinx poecila/gordius* as well as other matters. Riotte says "*gordius* lives only at a few very southern places, i.e. Haldimand and Kent counties. There are just two different species. That's it." End of quote. Note that the 1990 Summary follows this!
15. Publications: Al Hanks reviewed a new pocket book titled "The MacDonald Encyclopedia of Butterflies & Moths" - \$9.95 at Open Air Books.

Up-coming Meetings: - April 27th will be our annual 'Member's Meeting' at the Planetarium Multi Room (main floor) prompt at 1 p.m. Bring collections, books, Sale items or what have you and we shall enjoy a general social event. Hopefully coffee will be served. See you there!

Resolution for the 1991 Season? Quimby referred to a report in a New York magazine that media mogul Ted Turner says his resolution is -
 "I Brake for Butterflies".

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TREASURER Alan J. Hanks (727-6993)

Meeting No. 7 - 90/91 Season

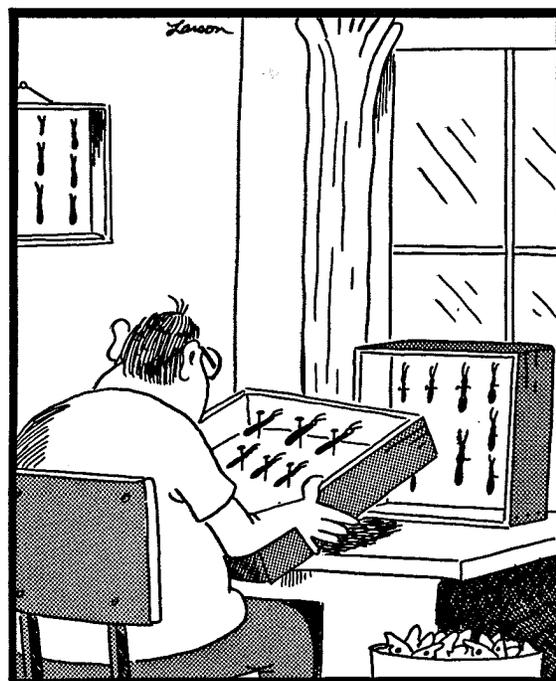
The seventh meeting of the 90/91 season was held April 27th in the Planetarium multi-purpose room, starting at 1 p.m. Members present were Alan Hanks, Quimby Hess, Duncan Robertson, Phil & Pat Schappert, Carolyn King, Merne Powers, Tony Holmes, Nancy Ironside, Margo Holt, Steve Donald and Bill Edmonds.

1. Minutes of the last meeting (March 23rd, 1991) were approved.
2. 1991 Field Trips: During the meeting, the two field trips previously listed were definitely agreed upon as follows:-
 - a) Twin Lakes Area - This took place on May 19th in conjunction with the Peterborough Field Naturalists. It was a wonderful day and good number of enthusiasts were in attendance. TEA members were Phil and Pat Schappert, Al Hanks, Quimby Hess, John Eberlie, John Prideaux and Jim Spottiswood. Phil did a great job in leading the group and a good number of species were seen, including the Chryxus Arctic, Marbled White, Roadside Skipper and a couple of Elfins.
 - b) Point Pelee: A trip led by Al Wormington has been tentatively arranged for the first week in August (3rd and/or 4th). Meeting place is set as "Doug's Place Restaurant", just north of the entrance to Point Pelee Park at 10:30 a.m. on the Saturday. Final details in July!
3. Ontario Butterfly Atlas: The funding from the M.N.R. has now been approved and together with funds on hand will enable publication this year. Meetings have been arranged to finalize details and check with a technical publisher who will advise on colour photos and how to transfer our draft into a form which can be fed into the printing process.
4. New T.E.A. Brochure: Thanks are due to Tom Mason and his Brother-in-Law for revising the brochure. It will be printed soon.
5. The Summary: The 1991 Summary cost \$7.00 per copy to print. In addition, the mailing costs were \$1.80 + GST for Ontario and \$2.40 + GST for the U.S. It appears that membership dues will have to be increased next year to cope.
6. Nature Fest in Hamilton: This was quite successful, with Al Hanks attending alone for the whole day!! There was quite a lot of interest from the public, many questions and one new member was signed up. Also, a couple of publications were sold.
7. Karner Blue: Quimby Hess sent a letter dated March 30/91 to the M.N.R. District Manager in Chatham with respect to the historic Karner Blue habitat destruction in the Port Franks area due to subdivision and house construction. The members present approved follow-up action to obtain information from the M.N.R. and M.O.E. as to what they intend to do about the problem. Duncan Robertson had a copy of a memo by Dr. Dale Schweitzer dated 01/03/91 from Orne Loucks, Dept. of Zoology, Miami University in Oxford, Ohio. This was sent to Terry Crabe, a staffer at Pinery Park, as well as other program zoologists in Minnesota, Wisconsin, Michigan, Ohio, New York, New Hampshire, Maine, Pennsylvania and the USFWS.

The subject was "Update Karner Blue Ranks" and according to Schweitzer the Karner Blue has declined tremendously over the past decade in Wisconsin. Further, as far as can be determined, decline in other states has ranged from about 98 - 100% except in New York, where it was somewhat less, perhaps 80%. New York likely harbours over half of the global total of Karner Blues. Schweitzer also states that bad weather in 1988 and especially 1989 wiped out several populations from New Hampshire to Wisconsin and led directly to the extirpation of the species in Canada (Ontario). He also states that the correct nomenclature is *Lycaeides melissa samuelis* and that *L. melissa* is unacceptable.

7. A Moth Light Trap: Phil Schappert is willing to supply a copy of instructions on making a moth light trap.
8. Butterfly Button: Nancy Ironside showed a button which features the Baltimore butterfly. This pin is available from the Orillia Chamber of Commerce and was also at the FON conference near Orillia - price \$1.00.
9. Correspondence: Al Hanks had a letter from Dianne Saxe, Barrister & Solicitor, advising that she specializes in environmental law. (Her address is 48 Russell Hill Road, Toronto, M4V 2T2).
10. The Monarch/Viceroy Myth: A news clipping was reviewed which mentioned that recent research had discredited a century-old myth that the Viceroy butterfly avoided being predated by mimicking the colouration of the Monarch, which most birds avoid. The full report was published in a recent edition of the British journal - "Nature".
11. The Toronto Entomologists Association will be 25 years old in 1992! There was some discussion on the early history of the formation of the TEA, probably in the fall of 1967. We hope to have a special event in 1992 to celebrate our quarter century of promoting interest in Lepidoptera in Ontario. More on this later.

Beat wishes to all the members for a successful season of Lepidoptera study and we shall see you all again in the fall.



Randy Schueler's wingless butterfly collection