



**TORONTO
ENTOMOLOGISTS'
ASSOCIATION**

34 Seaton Drive,
Aurora, Ontario,
L4G 2K1.

July 30th.

Greetings, fellow members:

It is nearly time for the new season of meetings to commence, and with that in mind, the Planetarium has been booked for the usual number of meetings, starting in September. The dates are as follows:-

SATURDAY	SEPTEMBER 22nd
SATURDAY	OCTOBER 27th
SATURDAY	NOVEMBER 24th
SATURDAY	JANUARY 26th
SATURDAY	FEBRUARY 23rd
SATURDAY	MARCH 29th
SATURDAY	APRIL 26th

All the meetings will, as usual, start at 1 p.m., and if any member has ideas for any subjects for the meetings, please communicate these to any member of the executive.

The 1978 Summary has unfortunately been delayed due to slight revisions necessary in the Hesperidae, and unavoidable delays in typing. However, it should be available by the first meeting.

Membership fees will be due shortly, so please send your cheques or money orders to the Secretary/Treasurer before the first meeting if possible. Also, please complete the following to keep records up-to-date.

APPLICATION FOR MEMBERSHIP IN THE TORONTO ENTOMOLOGISTS ASSOCIATION 79 - 80 SEASON

NAME _____ PHONE NO. _____

ADDRESS _____

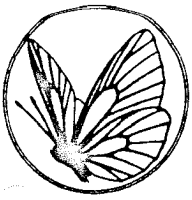
POSTAL CODE _____

FEE (\$5.00) ENCLOSED (Cheque or Money Order) _____

STUDENT FEE (\$3.00) ENCLOSED _____

If you know someone who might like to join, please send them this form.

Return to:- Alan J. Hanks, 34 Seaton Drive, Aurora, Ontario, L4G 2K1.



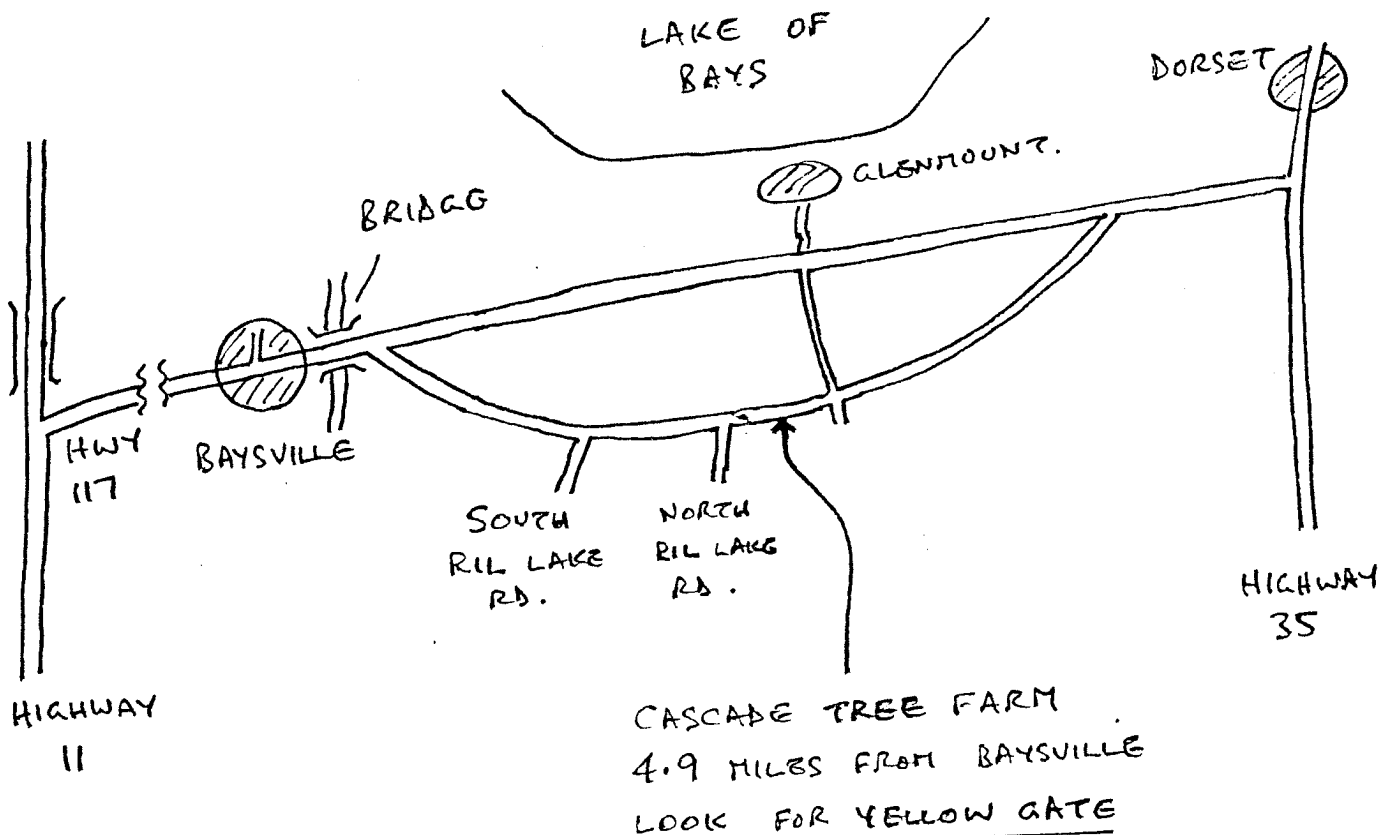
TORONTO ENTOMOLOGISTS' ASSOCIATION

LATE SUMMER TRIP - MUSKOKA

Quimby F. Hess has kindly volunteered to host a day or two at his cottage and property - the Cascade Tree Farm - on the weekend of August 18th. This is located between Baysville and Dorset (see map below) and Quimby has said that he will be able to show those attending some interesting things and possibly some quite good collecting, depending on the weather.

Numbers are somewhat limited, so contact Quimby as soon as possible if you are interested. His phone # is 486-8928 in Toronto.

A few details are in order. There is some room available for a few people to stay, but plenty of space for tents or campers on the property. Also, bring your own supplies such as sleeping bags, food and drink etc...





TORONTO ENTOMOLOGISTS' ASSOCIATION

1979/80 SEASON

NEWSLETTER # 1

OCTOBER 1st.

The first meeting of the 79/80 season was held on Sept. 22nd in the Planetarium Lecture Room. In attendance were Al Hanks, Alan Brown, Quimby Hess, John Eberlie, Ron Tasker, Darryl Stewart, John Prideaux, Chris Mettrick, Rick Westwood, Richard Tanner, Doug Scovell, Mac McDonald, Dutch & Freda van Dorsser, Adrian Robinson and new member Rod Parrott with his Wife - a good turnout for the first meeting.

Other new members to be welcomed to the Association are Chris Campbell of Mississauga, George Sutton of Goderich and Ulrich Kalnischke of Kitchener - also returning after a year's absence for studies is Rick Westwood.

1. It was moved by Alan Brown that the minutes of the last meeting be accepted, seconded John Prideaux - carried.
2. Business arising from the minutes:
 - a) It was noted by Quimby Hess that considerable damage is being done in the St. Williams area where the lupine grows by off road vehicles such as dune buggies and motorcycles. John Eberlie suggested that a letter be sent to the MNR requesting that a special area be created for the propagation and protection of lupine, and that some selective tree cutting be undertaken to assist existing areas in strengthening the lupine population. All this would presumably have the side effect of helping the Frosted Elfin colony.
 - b) The trip to Cascade Tree Farm (Quimby Hess' Dorset property) took place as scheduled - attending were Al Hanks, Ron Tasker and Adrian Robinson with various members of their families. The weather was not too kind, but an interesting time was had by all. Thanks are extended to Quimby.
3. Correspondence:
 - a) Alan Brown quoted from a letter from the Allyn Museum of Entomology in Sarasota, Florida, stating that they would be happy to receive visits from TEA members if given advance notice. Staff is only two, so visits should be brief.
 - b) Quimby Hess mentioned correspondence from the Xerces Society re collecting and preservation as applied to National Parks and some discussion ensued on government policies.
4. Financial statement:
 - a) See attached statement for 78/79 season. It is apparent from this that the total running expenses for a season, including FON membership, are only \$40 less than total credits. This means that it would be virtually impossible to produce a summary this year, since there had been no discussion on increasing dues for the 79/80 season.
 - b) It was moved by John Prideaux that a charge of \$5 extra be made for the 1978 summary (which incidentally is 78 pages) - seconded by Dutch van Dorsser - carried unanimously.
 - c) Considerable discussion then took place on dues increases for next season, and it was agreed that an approximate figure for total expenses be calculated, a new dues amount arrived at and put to the total membership for a vote. This will hopefully be done before the next newsletter.
 - d) It was further agreed that an increased charge be made for the summary to non-members and that mailing costs should be extra.

5. New business:

- a) New members were noted as listed above.
- b) The re-discovered Constitution was discussed, and it was noted that the term of office is two years for elected Officers. It was also noted that it is normal for the Vice-President to become President after his two year term and Alan Brown mentioned that he had agreed to act as Vice-President, but not President - elections will be held prior to next season.
- c) The 1978 summary is completed and only collating, punching and attachment of spines remains to be done. Any members requiring a summary should send a cheque or money order for \$5 to the Treasurer. The summary is a really great production this year - 78 pages of information, and practically indispensable for any collector or enthusiast of Lepidoptera. A number of summaries will be brought to the next meeting, so if you are planning to attend, you can pick up your copy there.
- d) Plans for future meetings were discussed and it was noted that Gord Edmund has arranged for someone to talk on Dragonflies. An attempt will be made to contact Professor Urquhart to see if he would be willing to talk at one meeting. Also, a couple of members meetings are planned.

6. Publications:

- a) The latest bulletin received from the Allyn Museum is titled 'Nine new species and seven new records of Mexican Hesperidae'.
- b) Doug Scovell showed a copy of the third edition of 'Butterflies & Moths' by Werner & Bijok and Al Hanks noted that this book had been widely used by stamp designers (particularly for Arab countries). The book contains 39 lovely colour plates.
- c) Al Hanks has a copy of 'A Bibliography of the Catalogs etc.. on the Butterflies of North America north of Mexico arranged by State & Province' by Field, dos Passos & Masters (which incidentally includes mention of TEA publications).
- d) A new field guide to the butterflies of Thailand was shown by Al Hanks, the authors are Lekagul, Nabhitabhata, Samruadkit & Askins - 101 colour plates.
- e) A new book titled 'Skipper Butterflies of the World' by Andrew Atkins is about to be published - 250 colour plates - price \$90 (unfortunately). It is meant to be a companion volume to d'Abrera's series on World butterflies.
- f) 'Trees, Shrubs & Flowers to know in Ontario' by Paul Catling & Sheila McKay was noted, in paperback at \$6.95, published by Dent.

The meeting was adjourned at approximately 3:00 and some members went up to the Entomology Department.

Next meeting (October 27th) will be a members meeting, so bring your slides, any interesting specimens for the year, stories or experiences etc...

Please submit 1979 summary material to Quimby Hess (Co-ordinator), 11 Esgore Drive, Toronto M5M 3P9 by December 3rd, 1979 so that the annual summaries for TEA and the Lepidopterists Society may be completed by the end of December 1979. Please list information in the same order as TEA Occasional Publication 11-79 or as used by Howe in his 'Butterflies of North America'.

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FINANCIAL STATEMENT 1978/79 SEASON

Balance - August 1978		\$140.80
Total Credits	\$276.94	\$417.74
Expenses - mailing etc.	\$179.59	\$238.15
F.O.N. Membership	\$ 54.00	\$184.15
Summary printing etc.	\$174.49	\$ 9.66
Balance to 1979/80		\$ 9.66



Secretary/Treasurer.

September 20th.



TORONTO ENTOMOLOGISTS' ASSOCIATION

1979/80 SEASON

NEWSLETTER # 2

NOVEMBER 6th.

The second meeting of the 79/80 season was held on October 27th in the Planetarium Lecture Room. In attendance were Al Hanks, Quimby Hess, Tony Holmes, Wodek Gregory, Alan Brown, Chris Campbell, John Eberlie, Norm Tremblay, Darryl Stewart, Mac McDonald, Chris Mettrick, Tom Ikeda, Richard Tanner, Bud Ridley, Dutch van Dorsser, Ron Tasker, John Prideaux & guests Freda van Dorsser & Mrs. Campbell - a very good turnout for our members meeting.

1. It was moved by Tony Holmes that the minutes of the last meeting be adopted as read - seconded and carried.

2. Business arising - none.

3. Correspondence:

A letter was received from John Walas, a member in Thunder Bay, in which he requested information with respect to drawers and cabinets. Some other members are also interested, and the previous items (obtained from Shandon Ass.) were discussed. There were mixed feelings, some thought they were acceptable and others did not. Further prices will hopefully be obtained from other wood-work shops to compare prices. It was also suggested that if we have any member with some shop facilities - table saw etc.. maybe material could be purchased and some drawers fabricated. If any member is willing to lend his services, please contact the Secretary or Treasurer.

4. Financial statement:

Current balance on hand is \$170.66.

Costs for Summary production were calculated, and worked out roughly to \$2.79 per copy (as compared to \$1.88 the previous year). Total costs for operation of the Association will be calculated, and a new dues structure arrived at for voting on by the membership.

5. New business:

- a) One new member - Steve Irvine of Wiarton, brings the membership to 60 (5 complimentary) - of which 33 had paid up to this meeting.
- b) Chris Campbell - present at his first meeting today, is our youngest member.
- c) A question was asked as to where nets may be bought, and one member recommended the Science Shop in the Arcade off Yonge Street.

6. Publications:

- a) Al Hanks showed a copy of 'A Field Guide in Colour to Insects' (Classic Bookshops - \$6.95) by Zahradnik & Severa - Octopus Books. Covers Palae-arctic area.
- b) Al Hanks also showed 'Insect Magic' by Sandved & Emsley (Penguin paperback - \$9.95) - a companion to 'Butterfly Magic' - again with superb colour photos.
- c) Data was also available from the FON and a 'Canadian Geographic' with an article on Butterfly Farming in Newfoundland.

7. The 'Show & Tell' portion of the meeting had Al Brown talking about rearing *Battus philenor* in Oakville, with slides. Doug Scovell on collecting in Surinam. Quimby Hess on collecting in Winisk and other areas. Richard Tanner with slides of butterflies taken in Florida, Nassau & Bradford, and Al Hanks with some miscellaneous slides. Ron Tasker talked about other possible sites for *Pieris virginiensis* on Manitoulin Island.

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TORONTO ENTOMOLOGISTS' ASSOCIATION

1979/80 SEASON

NEWSLETTER # 3

DECEMBER 6th

The third meeting of the 79/80 season was held on November 24th in the Planetarium Lecture Room. Present were Al Hanks, Doug Scovell, Chris Campbell, Tony Holmes, Quimby Hess, Alan Brown, Rod & Joan Parrott, Dave Bradley, Darryl Stewart, John Prideaux, John Eberlie, Gord Edmund, Sid Daniels & Jim Troubridge.

1. It was moved by Alan Brown that the minutes of the last meeting be adopted as read - seconded John Eberlie - carried.
2. Business arising:
 - a) Considerable discussion was held concerning storage boxes and cabinets, & pinning material also came under discussion. Jim Troubridge showed drawers with a polyethylene foam used for pinning. This material is inert, stays white and is chemically inert. It is obtainable in 2" thick planks, which must be sawn to about ½" thick planks for use. Gord Edmund also had a similar material obtainable in thin planks. He suggested that any interested members should communicate with Secretary or Treasurer, and perhaps a good price might be obtained on a bulk order. Drawers were also discussed - no further information is available at present, but Rod Parrott has purchased material for fabrication, and he feels the price quoted last from Shandon was reasonable.
 - b) Doug Scovell asked if anyone is interested in getting together to place an order for Taiwan butterflies???
3. Correspondence:
 - a) A letter was received from member Wodek Gregory requesting publications, & these will be forwarded when available.
 - b) A letter was received from a prospective member in Quebec, together with a cheque for publications of the TEA. He noted that he had seen the publications in the Lyman Museum.
4. Financial statement:
 - a) Current balance is \$287.14, with 43 members paid.
 - b) 26 copies of the 1978 Summary have been sold and 14 complimentary copies mailed to various institutions.
5. New business:
 - a) Considerable discussion was held concerning *P. virginensis*, with Sid Daniels noting an apparent increase in Frontenac County. Doug Scovell then raised the questions as to whether it is really scarce or endangered, and whether the action to get it on the endangered list was perhaps hasty. All agreed that it was probably a wise move at the time, and animated discussion ensued on the preservation of habitats vs. preservation of insects. St. Williams area was also mentioned.
 - b) The annual summary was discussed - is it getting too large on records of well known material? Should the direction of the publication change in any way? Quimby Hess wishes to thank all contributors for getting material for 1979 summary in promptly - the 'typist' will endeavour to do a faster job than on the 1978 summary, so that hopefully members will be able to get copies before the 1980 collecting season.
 - c) The Treasurer asked whether some articles of the type that used to appear in TEA newsletters could not be written, so that we have a newsletter with some substance, rather than just a meeting report.

6. Publications:

- a) Al Hanks mentioned a new book from Abrams titled 'Rain Forest - Cloud Forest' by Sandved & Emsley, with magnificent colour photographs, but a price tag of \$57 unfortunately.
- b) Al Brown showed a copy of 'Butterflies on My Mind' by Dulcie Gray, the famous actress. The book is aimed at preservation and is illustrated by Brian Hargreaves who did the plates for 'Butterflies of Britain & Europe'.
- c) Quimby Hess mentioned a book on endangered animals with a section on butterflies by Robert Pyle - obtainable on sale at the Book Barn.
- d) Doug Scovell mentioned an upcoming programme on CBC's 'Nature of Things' series

7. Programme:

- a) Jim Troubridge gave a slide show on his trip up the Dempster highway in the Yukon - noting particularly the habitats for Boloria, Erebia, Oeneis, Colias etc.. and the difficulties in collecting in those areas due to changeable weather conditions. He also noted the danger from trucks carrying lumber at very high speeds on the narrow roads and the necessity to have a spare set of tires. He brought three boxes of specimens which appeared to belie the fact that collecting is difficult up there.
- b) Chris Campbell showed some slides of his rearing of tent moth caterpillars, also N. antiopa and D. plexippus. Everyone was intrigued by the 'breakfast table' background to some of the slides. A good show from our youngest member.
- c) Sid Daniels gave a slide show on his family trip to Newfoundland, with many interesting slides showing various birds and a not very wholesome whale, in addition to the main ones showing habitats for various species and very good key slides of maps marked to show each area under discussion.
- d) The various specimens, books etc.. were examined in detail after the slide presentations.

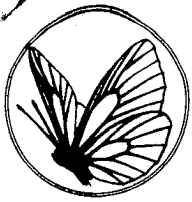
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John Prideaux, of 367 Cleveland Street, Toronto ((416) 489-6454 has numerous specimens for trading - mostly from Ontario, but some from B.C. Please contact him for details or a list.

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The Executive wishes all the members a very merry Christmas and a happy New Year. See you all at the next meeting - Saturday, January 26th at 1 pm in the Planetarium.

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TORONTO
ENTOMOLOGISTS'
ASSOCIATION

1979/80 SEASON

NEWSLETTER # 4

FEBRUARY 3rd

The fourth meeting of the 79/80 season was held in the Planetarium Lecture Room on January 26th. Present were Al Hanks, Quimby Hess, Doug Scovell, Alan Brown, Chris Campbell, Richard Tanner, Gord Edmund, John Pilkington, Mac MacDonald, Adrian Robinson, Alan Wormington, Chris Mettrick, John Prideaux, Darryl Stewart, Henry Kowalyk, Paul Catling & Jim Troubridge.

1. It was moved and seconded that the minutes of the last meeting be adopted as read - carried.
2. Business arising:
 - a) Further discussion ensued regarding habitat preservation at St. Williams where construction, dune buggies and off road vehicles are affecting the habitat for various insects and other fauna/flora. Doug Scovell mentioned the letters sent to Mr. Laupert of the St. Williams Nursery and Dr. Reynolds of the MNR.
 - b) Additional discussion occurred on pinning material, with Adrian Robinson showing some $\frac{1}{4}$ inch thick material he had obtained, and noting that two thicknesses of it made an admirable pinning bottom. It is a pale cream in colour and not affected by contact cement and the usual pest repellents.
 - c) More information was made available on storage units, with Adrian Robinson noting that cardboard temporary boxes were available from Arbor Scientific (cost \$2.69 app.) and Gord Edmund stated that he might be able to arrange manufacture of some Schmitt boxes if sufficient interest was shown.
3. Correspondence:
 - a) A letter was received from Paul Catling reporting on two publications on the Karner Blue in New York State, & Paul suggests the TEA should obtain these.
 - b) A letter from J.C.E. Riote requested specimens of *P.virginiensis* to confirm the identification of Frontenac Co. material and thereby add this location to the Ontario Lepidoptera Checklist being produced by the Museum.
 - c) A letter from member Dana Gring requesting *H.columbia* pupae, which he will trade for or buy. Also, locations where to search for pupae or males in the spring.
 - d) Various correspondence from the FON dealing with their meetings, a Youth Camp, Conservation Lottery, Spring trips and also a request for promotional literature from various member clubs.
4. Financial Statement:
 - a) Current bank balance is \$335.14, with 57 members paid, including several new ones for this year.
 - b) 37 copies of the 1978 Summary have been sold, and 14 distributed to various other organizations.
5. New Business:
 - a) Doug Scovell showed an interesting Christmas Card received from W.H. Wagner with very nice reproductions of butterflies on the outside - an idea for any artists among the membership to produce something for 1980.
 - b) Paul Catling questioned the cost to the FON of mailing all the material we have received to date. He suggested that we communicate with them to suggest that only meeting minutes be sent. We will send them our minutes also.

Al Hanks wanted to know what to charge for back issues of our Summaries. The meeting approved a charge of double the commercial printing rate plus mailing costs.

4. The four butterflies considered by some to be endangered in Ontario- C.irus, L. melissa samuelis, E. baptisiae and P.virginiensis were discussed. It was decided that the President would send the pertinent sections of the new summary to the Minister of Natural Resources under a covering letter recommending that the proposals and management recommendations included in the Summary as indicated, be accepted by the Ontario government and implemented through the Ministry of Natural Resources.
5. Gord Edmund gave a slide/talk show on his trip to the Amazon near Iquitos, Peru in December. Quimby Hess gave a slide/ talk show on the Wild Lupine in Ontario and some 1980 butterflies.

The next meeting will be in the Planetarium Lecture Room on March 21, 1981 starting 1.15P.M. Doug. Scovell will show slides of his trip to Colombia.



TORONTO ENTOMOLOGISTS' ASSOCIATION

1979/80 SEASON

NEWSLETTER # 5

FEBRUARY 28th

The fourth meeting of the 79/80 season was held in the Planetarium Lecture Room on February 23rd. Present were Al Hanks, Doug Scovell, Quimby Hess, Chris Campbell, Chris Mettrick, Cyril Youll, Jim Troubridge, Sid & Greg Daniels, Mac McDonald, Gord Edmund, Adrian Robinson and John Eberlie.

1. It was moved that the minutes of the last meeting be adopted as read by Gord Edmund, seconded Chris Mettrick, carried.
2. Business arising:
 - a) With further reference to storage units - Paul Syme has indicated that he has some simple instructions for the construction of a Schmitt-type box and these will be obtained. Gord Edmund also said he had some plans and will provide these at the next meeting.
 - b) The publications on the Karner Blue in New York State mentioned by Paul Catling were received together with a request for information on our situation in St. Williams and the Pinery. Quimby Hess and Sid Daniels will prepare a short report on the situation to send to the NY State Dept. of Environmental Conservation.
 - c) The FON was contacted with respect to the Spring Flower & Garden Show and indicated that all they needed for a display stand was some literature. Fifteen copies of our 'Publicity Pamphlet' were sent.
3. Correspondence:
 - a) A letter was received from member John Lake, who resigned because he has moved to Calgary, Alberta. He requires some insect pins in 0 and 3 sizes, and also information on any Entomological Societies in Alberta.
 - b) A letter and cheque for membership from Donald Fraser of Toronto - from a letter sent to Lep. Soc. new members.
 - c) Two letters from J.K. Morton of the University of Waterloo dealing with *P. virginensis* and *L. appalachia* on Manitoulin Island. Professor Morton has also joined the Association.
 - d) A letter from Paul Syme indicating that the Great Lakes Forest Research Centre will have a display at the Spring Flower & Garden Show and that he will be manning the display. He would be pleased if any TEA members would introduce themselves.
 - e) A letter and nomination from the FON dealing with annual conservation awards. It was discussed as to whether the TEA should be nominated for the work done on the West Virginia White, and the consensus of opinion was yes.
 - f) Letter from NY State Dept. of Environmental Cons. mentioned above.
 - g) A letter from J.K. Reynolds (Deputy Minister - MNR) re our St. Williams trip last year. He has requested Mr. Laupert to arrange on-site inspection of the brush control project in April.
 - h) A letter to the District Biologist (Cambridge) drafted by Paul Catling as observations on the Halton Forest Vegetation study, with the need for follow-through to be implemented.
4. Financial:

The current bank balance is \$339.14 with a paid membership of 59 - our highest in a long time.

(NEXT MEETING IS ON MARCH 29 TH)

5. New Business:

- a) One of our members - Norm Tremblay of Stouffville - had a front page spread in one of the local papers in the York County area - the Topic. A good picture of Norm with a nice Saturniid moth and an article describing his interest in Lepidoptera.
- b) The University of Waterloo has been added to the mailing list for Summaries.
- c) The Summary typing is completed and it will be turned over to Doug Scovell to arrange for printing - 46 pages of material in this issue, and good news in that we may be able to send it to the membership with no additional charge.
- d) Some discussion was held on the need to create a permanent Secretary position for the Association, particularly since there seems to be a large amount of correspondence and other business lately. This would mean a revision of the Constitution, and some of the Executive will meet to discuss this before the next meeting. A small increase in dues for 80/81 will also be discussed in order to keep up with slightly rising expenses.
- e) John Powers of Kitchener - who put on the recent display at Shopper's World has a short film on butterflies, and contact will be attempted to see if he will come and present it to the TEA at one of our meetings next season. The display of Lepidoptera, which was very interesting, will be shown again at Shopper's World in Brampton on March 6th, 7th and 8th.
- f) Our youngest member Chris Campbell will be going to live in Korea for two years and informs us that he will probably have trips into Indonesia and possibly Malaysia - we all wish him good collecting in the areas he visits.
- g) A field trip is planned for sometime around May 17 - 19 into Frontenac Co. to investigate the areas where *P.virginiensis* is now to be found and do some further study into this question. Details will be forthcoming later.

6. Publications:

The two papers on the Karner Blue in New York State are now in the TEA library and are available to members on request.

7. Programme:

- a) Sid Daniels gave a talk illustrated with slides of the areas in Frontenac County where he encountered *P.virginiensis* and *E.olympia*. He also showed specimens of *virginiensis* from Halton Co. Forest & Frontenac Co. for purposes of comparison.
- b) Doug Scovell showed some very interesting slides of the birding trip he took to Suriname, with some comments on the area and the flora and fauna to be seen.

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The following passage was contributed from a British book ca. 1913 by Adrian Robinson, and gives a humerous insight into collecting...

.....Where permission is kindly given to go into the woods thoughtfulness and care will prevent damage and unpleasantness. In the fields standing grass, corn, clovers, lucerne, etc.. should not be trampled down. If there is no path available, try to find a bare spot near the gateway or entrance and be content with standing there. Some insects will come your way. When they do, do not run out in all directions after them. Hedges should not be damaged; use a fence or gate, and always close the latter, unless it has been palpably left open for a purpose before your arrival. If sheep, cattle or horses are seen to break through a hedge put them back again. If you are afraid of the animals, go and acquaint the farmer that something is wrong. If a bull is in the field keep the net out of sight, and avoid direct glances in his direction.....

MARCH NEWSLETTER OF THE
TORONTO ENTOMOLOGISTS ASSOCIATION

No. 6.

Report to Members on the March 29, 1980
meeting held at the Planetarium Lecture
Room, Royal Ontario Museum, Toronto

1. Attendance: Doug. Scovell, Quimby Hess, Sid Daniels, W. J. D. Eberlie, Tony Holmes, Chris Campbell, Gord Edmund, Karl C. Nelinz, Richard Tanner, Tom Toyomi Ikeda, Dave Bradley, Chris. Mettrick, Mac McDonald, Ron Tasker, John Prideaux, and Alan Brown.
2. President Scovell called the meeting to order at 1.15P.M. The minutes of the last meeting were approved.
3. Old Business :1(a) Appointment of a secretary
After some discussion this matter was postponed.
1(b) Al. Hanks will continue as Secretary-Treasurer in the meantime and as Treasurer after an appointment is approved.
1(c) Any member who would act as Secretary please advise the Association Secretary-Treasurer as soon as possible. The main duties are to record the meeting minutes, and send out the report on each meeting to each member.

2(a) Habitat protection as required by the endangered Ontario butterflies - the St. Williams and Pinery localities. Paul Catling's proposed letter to the Minister of Natural Resources was read and discussed. The meeting decided to continue our correspondence with Deputy Minister Dr. Keith Reynolds instead. Hess pointed out the most important need was to ask Dr. Reynolds to ask the Management Officers of the St. Williams and the Pinery public lands to insert in the management plans for these areas an additional objective for "The protection and enhancement of the foodplants of the endangered butterflies through habitat protection and manipulation, and, in particular, in respect of the lupine." The meeting agreed that Dr. Reynolds also be advised that the Association would provide assistance on request from the Ministry officials concerned in respect of the necessary "prescriptions" required to achieve the above objective. (See Note)

2(b) President Scovell then discussed Paul Catling's questions in respect of Papilio troilus, and O. garita habitat, and W. J.D. Eberlie asked that E. baptisiae be included in these discussions.

2(c) The meeting decided a committee of the Association should be appointed to act for the Association in these matters. The meeting approved the following " Endangered Species Committee":- Doug. Scovell, Sid Daniels, Dr. Eberlie and Quimby Hess.

Tony Holmes added that the above committee should act for the Association in respect of all such matters. Doug. Scovell indicated the priorities of the committee would be as follows:-

1. melissa and irus
2. all other species

2.(d) Scovell then read the Q.F.Hess letter to Peter E. Nye of the Environmental Conservation Dept. of New York State in respect of the status of the melissa blue butterfly in Ontario. Dr. Eberlie asked that a copy of the letter be included with the next TEA submission to Dr. Reynolds.

3. Correspondence: Current letters on hand were read and discussed by D. Scovell
4. The May 17/80 TEA Spring Field Trip to the Kingston region was discussed. About 10 are planning to go on the trip. Sid Daniels agreed to prepare a map outlining the meeting place, time, etc. and mark out 5 survey blocks on a map in respect of Pieris virginiensis. He will bring copies of these maps to the April meeting.

Dr. W. J. D.Eberlie has invited all who participate in the field trip to meet at his home in Port Hope after the completion of the day's field work. He will supply directions and further information to Al. Hanks for inclusion in the next newsletter in April.

5. Finances After payment of the cost of printing Occas. Paper #11 the Association has \$90.60 on hand.

6. Payment to the FON for 1980- this was discussed - Dr. Tasker moved, Dr. Eberlie seconded that the TEA send \$25.00 to the FON for 1980, the members present approved the motion.

7. New Business

7(a) The dues for the 1980/81 year will be regular \$7.00 and \$4.00 for juniors.

7(b) Occas. Paper #11 being the 1979 Summary of Butterflies and some Moths is printed. All those present received a copy and the remainder will be mailed. Certain outside organizations will also be sent copies in the line with the mailing list of TEA. There is no extra charge to the members for this Paper.

Tony Holmes wondered whether the Summary should include information on localities and dates which had appeared in previous Summaries. He thought the contributors should not include such data in their annual submissions to the Summary compiler, i.e. Q. Hess. Daniels did not agree altogether with this idea as the individual member would find it difficult to decide what not to include. Daniels suggested the Association send each member a set of guidelines as to what to record and what to submit.

Hess reviewed his procedures in putting together the Summary each year which takes about 4 or 6 weeks of fairly continuous work. Hess suggested that to devise satisfactory guidelines it would first be necessary for the TEA to agree on the objectives to be met by a Summary. Holmes agreed that the objectives had to be spelled out first. It was decided that Hess should put down the objectives as he has seen them.

Annual Summary Objectives Pro Tem by Q. Hess

(a) To produce an annual record of the data on the Lepidoptera of Ontario, arranged in an orderly and scientific manner, as recorded and submitted by all interested persons, but especially TEA members.

(b) To increase our knowledge of the Lepidoptera of Ontario by encouraging all persons interested to maintain clear and concise records of their observations, views and research into all aspects

of life history, habitat, population dynamics, occurrence, and other matters of interest, and encouraging such persons to submit such data for use in the production of the annual Summary.

(c) To produce an annual Summary which can be utilized periodically in the production of Occasional Papers of the TEA which provide an up-to-date picture of the real story in respect of each species of butterfly found in Ontario, as well as some moths and other insects of interest. An example of this is Occasional Papers #10 and 11 which are designed to accomplish this objective.

(d) To produce an annual Summary which includes noteworthy observations and research for particular species of butterflies and moths as contributed by the membership or others.

(e) To produce an annual Summary which will identify, where possible, knowledge gaps, problem species, and areas in respect of the Lepidoptera of Ontario. Such identification is necessary if remedial action is to be pinpointed and prescribed.

(f) To help the Toronto Entomologists' Association in enhancing its status by encouraging its membership in their studies on Ontario Lepidoptera and thus adding to the cultural life of Ontario.

8. FON - Junior Conservation Award Program for 1980
- Protection of private property program

9. At this point Gord Edmund delivered a well researched illustrated talk on the Dismorphia Family of butterflies of the world.

Q. F. Hess
Recording Secretary pro-tem

Note: Prescriptions for the management of Lupinus perennis are found in the following reports: "Status of the Karner Blue Butterfly in New York for the Dept. of the Interior, Fish and Wildlife Service" prepared by Lawrence P. Hirsch, Conserv. Biologist Endangered Species Unit, N Y State Dept. of Conservation, Sept. 28, 1978"

and

"A Report on the Status of the Karner Blue Butterfly (Lycaeides melissa samuelis Nabokov) in New York State" by John F. Cryan and Robert Dirig, Aug. 29, 1978.



TORONTO ENTOMOLOGISTS' ASSOCIATION

1979/80 SEASON

NEWSLETTER # 7

APRIL 27th

The sixth and final meeting of the 79/80 season was held in the Planetarium Lecture Room on April 26th. Present were Al Hanks, Quimby Hess, Sid Daniels, Ron Tasker, Chris Campbell, John Prideaux, Doug Scovell, Gord Edmund & Tom Toyomi Ikeda.

1. It was moved that the minutes of the last meeting be adopted as read by Ron Tasker, seconded Quimby Hess, carried.
2. Business arising:
 - a) An error was noted in the address given for Dr. Eberlie - he lives in Colborne and not Port Hope. Directions to his home are enclosed.
 - b) FON membership sent in the amount of \$25, instead of \$1 per head, together with a letter of explanation, ie: not sufficient funds.
 - c) The Association has been advanced as a candidate for a FON award based on our work on *Pieris virginiensis*.
 - d) Considerable discussion ensued concerning communications between the TEA & the MNR and it was decided that we ask the MNR that the TEA should be invited to participate or give advice on matters concerning butterflies. Also, Quimby Hess discussed the fact that he had been down to St. Williams and had seen Mr. Laupert. The matter of Lupine habitat was discussed and the various methods which might be employed to increase the incidence or density of Lupine. Mr. Laupert will try to gather seeds as an experiment to determine if the Lupine can be established in other areas.
3. Correspondence:
 - a) Sid Daniels read a letter from J.C.E. Riotte concerning *P.virginiensis* from Frontenac Co. He has apparently had confirmation from Klots on material sent by Sid Daniels, which goes along with confirmation by Klots on material sent him by Mel Tintpulver some time back. Some discussion ensued concerning the question of collecting limited numbers of specimens in order to confirm the species status. This will be queried with respect to 'Endangered Species' status. Possibly a permit might be granted to TEA membership for the taking of a limited number of specimens for research purposes - specimens to be deposited in the ROM later.
 - b) Doug Scovell read a couple of pieces of correspondence from the FON - one concerning the making of bequests to the FON (by individuals) and the other enclosing three copies of the new magazine "Seasons" with a request to supply possible sales outlets. The ROM bookshop was the only suggestion.
4. Financial Report:
 - a) Al Hanks reported that the current financial situation shows \$15.30 in the bank, with some mailing expenses still to be withdrawn.
 - b) A calculation of total expenses for the year to date of \$512.56 divided by the total paying membership of 60 indicates that \$8.50 per head is required to break even.
 - c) Referring to Newsletter #5, it was noted that a small dues increase had been proposed, and the amount discussed had been \$2, to bring the dues to \$7 (\$4 for students and juniors).
 - d) A motion was put forward by Gord Edmund that the dues for 1980/81 season be increased to \$10 (\$4 students & juniors) - this was seconded by Ron Tasker and carried unanimously. The dues will include the summary of course.

5. Publications:

- a) Doug Scovell has received some reprints of Lep. Soc. Journal items from W. Wagner, and these will be added to the TEA library. A question was raised concerning lending of material and Al Hanks indicated that he has a file card for each publication, and the name of the borrower and date is entered when an item is lent out.

6. New Business:

The main topic of discussion was the upcoming field trip on May 17th to investigate *P. virginensis* in Frontenac County. Sid Daniels gave a short presentation on the aim and method to be used to accomplish the gathering of information, and a map is included. It will mean an early start from Toronto, as the meeting time is 9.30 at the intersection of Perth Road and the road to Chaffey's Locks - just over the railroad tracks north of the village of Perth Road. Sid will have topo maps available to indicate observation areas. Anyone requesting information should do so by telephoning Doug Scovell at (416) 431-1988. Chris Campbell, who lives in Mississauga, is looking for a lift (as a junior member, he has no transportation). If anyone can help, his 'phone number is (416) 823-1202.

Directions to John Eberlie's residence are as follows:-

Leave the 401 at intersection 85, turning south down Percy Street and proceed as far as possible to where Percy Street ends at the intersection with Highway 2. The Queen's Hotel will be seen ahead - continue south over Hwy. 2, just to the right of the Hotel, down Division Street to number 17. This is for members returning from the field trip if they would like to take advantage of John's hospitality - many thanks John. Incidentally, enter by the door on the south side, not the door facing the street.

You will have to make your own decision regarding the weather - it may be miserable in Toronto and fine near Kingston, but rest assured, there will be some members there, and Sid mentioned that there should be some interesting collecting aside from the main purpose of the trip.

Chris Campbell noted that he will be in North Carolina during a part of the summer, and will be collecting. He is interested in exchanging material which he might obtain with any Saturniid material from N. America. If anyone is interested in exchange, please contact Chris - 'phone number above.

Unfortunately, yours truly (the Treasurer) will not be able to come on the field trip, as I shall be in England at the time. However, rest assured I shall be with you all in spirit, so have a good trip, and the best of collecting to everyone during the coming season

* * * * *

Enclosed are some notes and suggestions from John Eberlie for the upcoming season - hope everyone finds them useful.

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TORONTO ENTOMOLOGISTS ASSOCIATION

NEWSLETTER NOTES -- Some suggestions as to what to look for in 1980.

With the start of this year's collecting season and the decision of our Association to form an "Endangered Species Committee", I am pretentiously offering some personal suggestions as to what members could look for this spring and summer, as obviously a great deal more information is needed concerning the distribution and habits of the possibly endangered species in Ontario.

Atrytonopsis hianna is apparently well established in Pinery Provincial Park and the neighbouring dunes but does it occur anywhere else? I think we should try and establish this and then make sure the Ministry of National Resources knows that it is a valued inhabitant of Pinery Park. It has been suggested that the Sandbanks Provincial Park in Prince Edward County might be a possible habitat but, personally, I doubt this because of the type of vegetation and ^{anyway} I have not found it there.

Pyrgus communis has been reported in the St. Catherines' area and in Point Pelee National Park but, apparently, it has not been reported in either locality for several years, according to the Seasonal Summaries. Has anybody looked for it lately, or is it extinct in Ontario?

Oarisma garita discovered by Paul Catling in 1976 on the limestone barrens of the LaCloche peninsula and neighbourhood in Manitoulin District. How widespread is the insect in this area and is there any danger to its habitat? Could some ministry or corporation (or Indian band, because the spot where I personally found this species was in an Indian reservation) decide to afforest the habitat or turn it into a cement quarry because, apart from its extreme botanical and entomological interest, the land would appear to be unproductive commercially.

Euphyes dukesi Is this rather attractive species confined to Essex County, and if so is it "safe" in view of the intense agricultural use of land in the county?

Euphyes conspicua, bimacula, dion, Poanes massasoit & viator All these species are rather localized in their habitats but, apparently, fairly widespread at least in South-Western Ontario. However, their continued existence presumably depends on the preservation of a sufficient number of wetlands. The more records the better.

Erynnis baptisiae So far recorded, so I believe, only from the Ojibway Prairie in Windsor. This is a very small area and I wonder if the authorities responsible for the Prairies' preservation know about the butterfly. I wonder if they would consider cutting down the rabbit population as it seems to me the rabbit is just as fond of the foodplant, the Wild Indigo, as are the larvae of the butterfly. Does the Wild Indigo grow anywhere else in Ontario? Finding the larvae and pupae on the foodplant would appear to be the best way of identifying the species and its presence in a particular area.

Callophrys gryneus This is probably nowhere near an endangered species at present as it seems to inhabit a wide area of southern Hastings County, northern Prince Edward County, a small area of eastern Northumberland County and

some areas of Frontenac County, wherever there are large stands of Juniper~~s~~ virginiana. However, I have found it a very difficult insect to study because of its short flight period and inconspicuousness, at least to presbyopic eyes. Many of the Juniper stands are on threatened land, i.e. zoned as industrial land or cement quarries, so it seems to me that more detailed knowledge of its exact localities and status would be advisable.

Boloria selene, subspecies myrina How about a search for this subspecies this year in Lambton, Essex and Kent counties?

If the butterfly occurs in these counties, is it really subspecies myrina as has been postulated? If so, and as it is very much a butterfly of relatively small colonies, some of these could be in areas that could be protected.

Strymon melinus What is the real status of this insect? It seems to be seen ^{in Ontario} and collected relatively rarely according to the Seasonal Summaries. As far as I can tell from the Summaries, it is found at Point Pelee fairly regularly and in various areas of the Canadian Shield, especially between Peterborough and Frontenac Counties, and there has been a single report in the last 10 years from St. Williams.

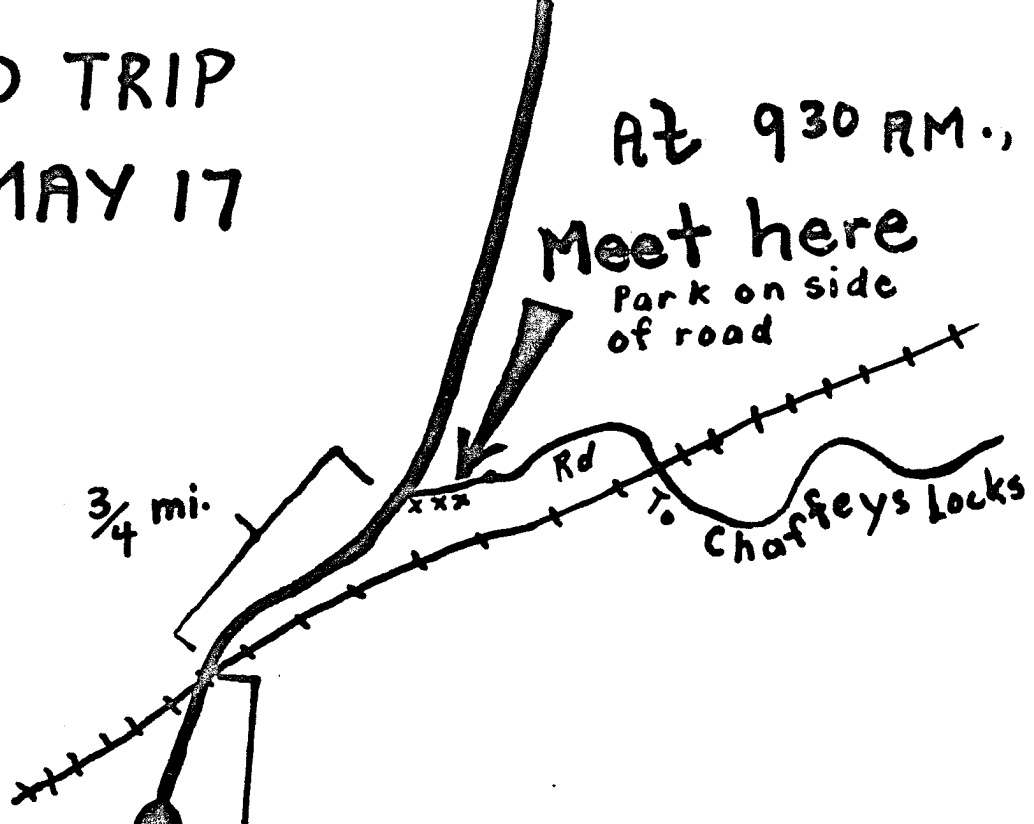
Wyle

T.E.A FIELD TRIP
SATURDAY MAY 17

At 9:30 AM.,

Meet here

Park on side
of road



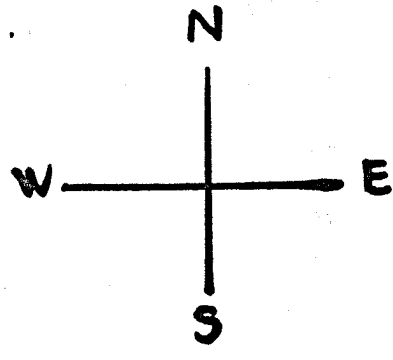
3/4 mi.

Rd

Chaffey's Locks

PERTH
ROAD

16 mi.
(APPROX.)



HWY
401

102
EXIT

KINGSTON