



TORONTO
ENTOMOLOGISTS'
ASSOCIATION

1978/79 SEASON

NEWSLETTER # 1

AUGUST 22 ND

The 1978/79 season is about to commence, and a list of the meeting dates follows, with all meetings being held in the PLANETARIUM LECTURE ROOM, with the times as usual from 1 to 5 p.m.

SATURDAY	SEPTEMBER 23
SATURDAY	OCTOBER 28
SATURDAY	NOVEMBER 25
SATURDAY	JANUARY 27
SATURDAY	FEBRUARY 24
SATURDAY	MARCH 31
SATURDAY	APRIL 28

No programme is available as yet, but the first meeting will include the election of officers for the season. The following were appointed at the last meeting of the 77/78 season:-

Summary Compilation: Quimby Hess
Darryl Stewart

Editorial Committee: Sid Daniels
Dave Barr
Alan Hanks

An exchange of publications has been effected with the Allyn Museum of Entomology and the British Museum (Natural History), and the publications are available for use by TEA members. The British Museum publications are

The Higher Classification of the Lycaenidae by J.N. Eliot,
Guide to the Genera & Species of Parnassiinae by P.R. Ackery,
Type-Specimens of Heliconiinae in the British Museum by Ackery & Smiles.

The Allyn publications are too numerous to mention here, but a list will be prepared.

If anyone has any kind of checklist of Moths which are likely to be found from Ajax to Bowmanville and 12-15 miles inland, would they please send a copy to the Secretary/Treasurer as soon as possible. This is to assist someone who is carrying out a survey for the Central Lake Ontario Conservation Authority.



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NEWSLETTER # 2

78 10 04

The first meeting of the 78/79 season was held in the Planetarium Lecture Room on September 23rd. In attendance were Al Hanks, Quimby Hess, Alan Brown, Kathy Gerry, Chris Mettrick, John Eberlie, Paul Catling, Sid Daniels, Peter Hallett, Darryl Stewart, Bill Edmonds, Doug Scovell, Gord Edmund with new members Adrian Robinson, G.J.van Dorsser and guests Karen McIntosh, Greg Daniels and Richard Wakefield - an extremely good turnout for our first meeting.

Other new members to be welcomed to the Association are Ed Fuller of Mississauga, John Walas of Thunder Bay and Tom Toyomi Ikeda of Toronto. Also, John Prideaux has moved from Newmarket to Peterborough. An updated members list will be maintained by the Secretary on file cards and a typed list produced later in the season when all dues are received.

1. Minutes of the last meeting were read by Al Hanks and some business arising was discussed:-
 - a) Disposition of TEA summary MS was discussed - Ontario Archives have not yet been contacted and a question arose as to whether original written MS or typed copy should be retained. Paul Catling pointed out that written MS would be free of typographical errors. This matter will be investigated further.
 - b) TEA Constitution. Doug Scovell produced a copy of the original TEA constitution and pointed out several areas where we have been differing from the original concept, including election of officers, number of vice-presidents etc.. Gord Edmund proposed that we continue the present meeting and election as arranged and revert back to the Constitution for all following proceedings - this was seconded by John Eberlie and carried.
 - c) FON membership. It was pointed out that FON had asked for a copy of our Constitution as a requisite for membership and Doug Scovell moved that we send the present Constitution to FON - seconded Paul Catling - carried. It was also proposed by Doug Scovell that the present executive revise the Constitution and bring the revised copy to a future meeting for ratification.
2. Al Hanks read some correspondence from British Museum and Allyn Museum re exchange of publications and a letter was read from Jim Troubridge re Cornell drawers, of which we have one remaining if anyone is interested. Also a letter re checklist of moths mentioned in first newsletter.
3. Paul Catling gave a report on the field trip to St. Williams, which took place in the Spring in very bad weather conditions. Paul noted that the open prairie habitats which harbour scarce or interesting flora and fauna are becoming very depleted. Also areas of lupine are becoming restricted. This will eventually affect the Frosted Elfin and the Karner Blue, which may become endangered species, if they are not so already. Most of the problem is due to excessive Pine plantings, which are shading out the needed habitats. Paul read a letter which he has composed with respect to this problem, and which will be sent to the Deputy Minister of Natural Resources, with suggestions as to how the TEA might assist in preservation of the habitats. Copies of the letter will be sent to the St. Williams Nursery Supervisor and the Division of Forestry Co-ordinator.

4. The composition of meetings was discussed with respect to the amount of time devoted to business, members subjects and outside speakers. It was suggested that some meetings could be devoted solely to members subjects such as talks on insect habitats and foodplants (Paul Catling), insects on stamps (Al Hanks) etc... Others could have a short business session and an outside speaker. Possibly a time limit could be imposed on behalf of those members wishing to visit the Entomology Department after the meeting.

5. Al Hanks gave the Treasurer's Report:-

1977/78 Season:-	Balance September 23rd	\$19.18
	Total Credits	\$421.62
	Total Debits	\$300.00
	Balance August 15th	\$140.80
1978/79 Season	Balance August 15th	\$140.80
	Present balance	\$243.38

6. 1978 Summary. Quimby Hess requested that all contributions should be in his hands by the end of November - please send them to him at 11 Esgore Drive, Toronto M5M 3P9 (486-8928). Also please arrange listings in the same order as the 1977 summary as this will facilitate compilation. The paper will be written during December 1978 and typing started as soon as possible after that. Please include any special reports or contributions on rearing, population densities, unusual records etc.. as these are of great interest.
7. Election. Numerous ballots were received and all votes were recorded in favour of the three nominees, who were duly elected - President: Doug Scovell, Vice-President: Alan Brown, Secretary/Treasurer: Alan Hanks.
8. Quimby Hess gave a very interesting talk on his trip with Norm Tremblay to Peru earlier in the year and showed various slides illustrating habitats and points of local interest, also the thriving business in insects conducted by some of the local population. One 'Cloud-forest' location was visited and numerous Ithomiidae seen.
9. John Eberlie gave a brief talk on his rearing project of *C.tullia inornata*, and elicited assistance with getting larvae through the Winter, which has not been too successful to date.
10. Some publications were reviewed:- Three publications on Oxen Pond in Newfoundland available from Oxen Pond Botanic Park, Memorial University of Newfoundland, St. Johns, Newfoundland A1C 5S7. Also 'The Skipper Butterflies of the Province of Quebec' by Duffy and Garland (Lyman Entomological Museum Memoir # 5) available from McDonald Campus, McGill University, Ste. Anne-de-Bellevue, Quebec (\$8.50).

Anyone who has not sent their dues please do so now so that receipts and membership cards may be sent out.

Next meeting - Planetarium Lecture Room - Saturday, October 28 - 1 p.m.

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O F F I C I A L B A L L O T
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For 1978-1979 officers of the Toronto Entomologists Association.

I cast my vote for officers marked below.

FOR PRESIDENT (vote for one)

- Doug Scovell
- _____

FOR VICE PRESIDENT (vote for one)

- Alan Brown
- _____

FOR SECRETARY/TREASURER (vote for one)

- Alan J. Hanks
- _____

Mark X in boxes before candidate of your choice. Blanks are for write-in candidates. Please return ballots before September 20th to Alan J. Hanks, 34 Seaton Drive, Aurora, Ontario L4G 2K1.

APPLICATION FOR MEMBERSHIP IN TORONTO ENTOMOLOGISTS ASSOCIATION 1978/1979

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NAME _____ PHONE.# _____

ADDRESS _____

_____ CODE _____

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

STUDENT FEE (\$3.00) ENCLOSED _____

Note: Would everyone please complete all the information on the application in order that membership records may be kept up-to-date
Would any new members also indicate on the back of the form their particular interests i.e. collecting, taxonomy, photography etc.. and also the particular groups of interest i.e. butterflies, bees etc..



TORONTO
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1978/79 SEASON

NEWSLETTER # 3

78 11 05

The second meeting of the 78/79 season was held in the Planetarium Lecture Room on October 28th. In attendance were Al Hanks, Chris Mettrick, Tony Holmes, Alan Brown, Doug Scovell, Quimby Hess, Ron Tasker, John Eberlie, Peter Hallett, Kathy Gerry, Bud Ridley and new members Ed Fuller, Richard Tanner and Tom Toyomi Ikeda.

1. Minutes - Doug Scovell suggested that the minutes of the previous meeting be accepted as read rather than spend the time to read them. This was carried unanimously by vote. Doug also suggested that meetings get started promptly at 1 p.m., and this was also agreed unanimously.
2. Business arising from minutes.
 - a) FON and Ontario Archives still to be contacted by Al Hanks.
 - b) An updated membership list will be produced as soon as more members have paid their dues and the numbers of paid-up members are known. A file-card system will be instituted to keep track of members, their interests etc...
 - c) Very few annual summary lists have been received by Quimby Hess - this is of the UTMOST IMPORTANCE. We cannot produce an annual summary without the necessary contributions from the membership, and the whole image of the Toronto Entomologists Association is to some extent based on the annual summary. This is the only contact that other institutions such as the British Museum, Allyn Museum of Entomology and others have with our group, and the publications have been steadily improving over the past number of years. PLEASE send to Quimby any information you have on collection dates, places, rearing data, population densities etc.. His address is 11 Esgore Drive, Toronto M5M 3P9 (486-8928), and the information should be sent before the next meeting (Saturday, November 25th).
3. Some discussion was held on the age of the TEA and the number of meetings that have been held. This is of general interest and various members will try to establish the data based on past records that they may have.
4. Tony Holmes mentioned that he had received some good comments on Draft 1 of his 'Distribution of Ontario Butterflies - Part 1 - Hesperiidæ'. Also that Part 2 (Satyridæ, Nymphalidæ & Danaidæ) is completed and yet to be typed. It will presumably be circulated for comment in the same way as Part 1. Part 3, (Papilionidæ, Pieridæ & Lycaenidæ) is also under way, and will hopefully be completed in Draft form in 1979.
5. New members present were Richard Tanner from Bradford, whose interest is photography of Lepidoptera; Ed Fuller of Mississauga, a general collector who wished to obtain interaction with other enthusiasts and Tom Toyomi Ikeda from Japan, where he has collected and is maintaining his interest now in Canada.
6. Book reviews are solicited from members - please pass these on to any member of the Executive for use in future meetings. The subject of speakers for the meetings was also discussed, together with numerous ideas for future use.

7. It was mentioned that there is someone in the Kitchener/Waterloo area who exhibits Worldwide Butterflies at conventions etc.. and is supposed to have in the order of 7,000 species. Would anyone having information on this please communicate with a member of the Executive.

8. a) Doug Scovell showed a beautiful pair of California Dog Face butterflies, together with other material, and made a few comments on collecting in Yellowstone Park.
b) John Eberlie showed a number of specimens of *C.tullia inornata*, drawing parallels between specimens he had reared and those caught in the wild at different times of the year.
c) Chris Mettrick gave a short talk on collecting in Jamaica, where he was fortunate enough to spend some time in the Summer. He commented on the conditions in Jamaica from numerous points of view, and showed a number of specimens, including *Papilio homerus*, and made appropriate comments.

9. Ron Tasker advised that Ontario Hydro had contacted him with respect to a new Hydro line routing on Great La Cloche Island, with a question whether there was likely to be any effect on possible colonies of the West Virginia White. It would appear that the earlier effort in the Halton County Forest has had some effect.

Would all those who have not sent dues please do so as soon as possible to the Secretary/Treasurer - Alan J. Hanks, 34 Seaton Drive, Aurora, L4G 2K1.

Next meeting - Planetarium Lecture Room - Saturday, November 25 - 1 p.m.
Included in the programme will be an illustrated talk by Al Hanks on Insects on Stamps.

Do not forget - Summaries to Quimby Hess, as soon as possible, and as many as possible.

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TORONTO
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1978/79 SEASON

NEWSLETTER # 4

78 12 01

The third meeting of the 78/79 season was held in the Planetarium Lecture Room on November 24th. In attendance were Al Hanks, Jim Troubridge, Quimby Hess, Ron Tasker, Richard Tanner, Chris Mettrick, Ed Fuller, Peter Hallett, Norm Tremblay, Paul Catling, Doug Scovell, Tony Holmes, Sid Daniels, Tom Toyomi Ikeda and visitor Rebecca Hallett.

1. The meeting was called to order at 1:15 and the minutes of the previous meeting were adopted as read.
2. Business arising from the minutes:
 - a) A correction to the minutes was pointed out by Doug Scovell in that he had not collected in Yellowstone Park, but in Beartooth Pass, about 20 miles east of Yellowstone.
 - b) The FON has been sent a letter re affiliation, together with a copy of TEA Constitution, but no reply has been received as yet.
 - c) The Ontario Archives was contacted, and they expressed a great interest in any data which we may provide with respect to meetings, history and original MS of publications. Further details will be obtained later.
 - d) Al Hanks noted that another new member had recently joined the TEA, Mr. Mel Tintpulver of Kingston, Ont. Also mentioned was the fact that only about 50% of the membership have paid their dues for the new season. Please send in your dues if you have not done so.
 - e) A letter from Keith Warren was received by Quimby Hess with details on Mr. J. Powers of Kitchener, who is a member of the Waterloo Regional Police and has a large collection of Lepidoptera of the World. He shows portions of this collection locally and also uses it in public relation activities for the Police. His collection apparently contains all the species of the genus Ornithoptera, as well as many spectacular species of Heterocera. Keith will notify the TEA if any displays of the collection are to be made in the future.
 - f) Current financial situation shows \$261.30 in the treasury.
3. Correspondence:
 - a) Quimby Hess read a letter from John P. Walas, 384 River Street, Thunder Bay, Ont., P7A 3R4, in which John offers assistance to anyone passing through the Thunder Bay area, either collecting or on vacation. He also would welcome correspondence with anyone interested in the Lepidoptera of northwestern Ontario.
 - b) Paul Catling read replies to the letter sent with respect to the habitats near St. Williams (see News 78/79 #2), together with maps on which the TEA members should mark areas where improvement is required. It was suggested that a sub-committee be set up to study the problem and provide data which could be discussed at another visit to the area in 1979.
4. New Business:
 - a) The Entomology Dept. will be open after this meeting. Dr. Wiggins and Dr. Barr were consulted on possible lecturers for TEA meetings, and a list was prepared. Dr. Barr will contact the people concerned to see if they would be interested, and to suggest that they contact the TEA for possible dates for a programme.

- b) Quimby Hess stated that he had visited Walter Plath, and a possibility exists that Walter may be able to obtain a film on Ontario insects - perhaps for the January meeting, and also give a talk. Quimby will confirm this later and a special announcement will be made.
- c) Norm Tremblay has found a number of TEA cloth crests which had been produced a number of years ago, and these are now available to any member who would like one. They are very nice with the TEA logo in green and silver on a blue ground, surrounded by a red border with Toronto Entomologists Association - Canada - in gold letters. Cost - \$2.50 each, & obtainable from the Treasurer, Al Hanks, 34 Seaton Drive, Aurora, L4G 2K1.
- d) Paul Catling suggested that further communication should be made with the MNR with respect to the West Virginia White, and has volunteered to compile some notes for such a letter.
- e) Tony Holmes has produced some data on the early days and formation of the TEA for record purposes and passing on to the Ontario Archives. If any member has any early data, such as newsletters etc.. please make copies and send to Al Hanks.
- f) Doug Scovell quoted an interesting passage from the book 'High Jungle' by William Beebe, in which the roosting habits of Heliconian butterflies were mentioned. Considerable discussion ensued on this subject, with other species being mentioned. Al Hanks mentioned an interesting experience he had in England, where a Small Tortoiseshell butterfly rested on the wall of a room in the house he was living in two winters in a row, and from all appearances, it was the same butterfly?
- g) Quimby Hess stated that John Johnson had reported to him that a specimen of Oeneis polixenes polixenes had been caught on the James Bay coast about 100 miles northwest of Moosonee in 1978 by an American party. Quimby also noted that he had taken a specimen in July 29th 1938 in a black spruce bog south of Kapuskasing which is probably O. polixenes. It was caught by hand, and was a very slow flier, which would seem to indicate that it was not O. jutta.
- h) Quimby Hess would like to register thanks for all summaries received to date - 16 in number. This means we should have a good 1978 Summary.

5. Publications:

- a) Tony Holmes brought some publications for review - 'Aberrations of British Butterflies' by Russwurm and 'The British Butterflies - their Origin and Establishment' by R.L.H. Dennis.
- b) Jim Troubridge brought a copy of 'Cutworm Moths' - a Government Printing Office publication on the Noctuidae with very nice illustrations.
- c) Al Hanks noted publications sent by the Sociedad Mexicana de Lepidopterologia - 4 bulletins for 1978 and 1 Revista with colour plates. The Society has been contacted with a view to exchanging publications. In addition, the Lyman Entomological Museum has requested copies of our publications, and they have also been contacted with a view to publication exchange.
- d) Al Hanks noted that details were available on the 'Butterflies of the World' by Bernard d'Abrera, a five-volume opus covering all major faunal areas. The first is now available - 'Butterflies of the Australian Region' and the next to appear will be 'Butterflies of the Afro-Tropical Region'.

6. Programme:

- a) Doug Scovell showed a very colourful moth caught in Beartooth Pass, with iridescent colours on the hindwing underside.
- b) Quimby Hess produced some well-prepared mounts with Swallowtails and Morphos from Tingo Maria in Peru.

- c) Al Hanks gave a talk on 'Butterflies and Moths on Stamps' illustrated by numerous slides. Early history of stamp collecting was mentioned, and the start of pictorial stamp issues which eventually led to topical collecting, including biological subjects, among which are insects. It was noted that many countries are issuing stamps for other than postal purposes, and of interest was the appearance of many species on stamps of countries where they are not endemic. Mention was made of the first item of Philatelic Lepidoptera from Hawaii in 1890; the first identifiable species from Lebanon in 1930 and the first species with taxonomic data from Sarawak in 1950. Various publications were mentioned, including a list published in the Lep. Soc. Journal by Hessel in 1968, a book published by C.J. Barber in England in 1977 and the TEA publication #8-77. A short discussion and question period followed.
- d) Quimby Hess showed a number of slides of Ontario butterflies and some foodplants. Also, Sid Daniels had a few slides of foodplants and habitat which Paul Catling made some identifications on.

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NOTE: Norm Tremblay has about 200 set and 100 papered specimens of various assorted Noctuids, Geometrids and Arctiids - all unidentified. Anyone with an interest in obtaining any of these should write to Norm at 60 Mill St., Stouffville, Ont.

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LATE NEWS: Re item 4b - it is now confirmed that a ½ hour film on Ontario Butterflies, with sound, will be shown on January 27th. The film has been made available by Jack Carey, a well known nature photographer, who lives in Burlington. Let us have a GREAT TURNOUT for this event - it should be very interesting.

* * * * *

Butterfly Man provides bright spot for students in Kitchener-Waterloo

Written for CP
By ROSEMARY PITCHER

KITCHENER, Ont. (CP) — There is always a bright spot for Kitchener and Waterloo pupils when classes resume in the fall. The Butterfly Man may turn up in their classroom with his celebrated collection.

The Butterfly Man is Constable John Powers of the Waterloo Regional Police force, who has collected 7,000 butterflies from 125 countries. The collection is unique on the North American continent and each October Powers arranges a public display of part of it.

Display cases in every color of the rainbow will be seen. Each is arranged around a gem—a complete arrangement of crimson butterflies around a ruby; blue butterflies around a sapphire, green around an emerald, gold around a topaz.

A royal blue and green pair of butterflies were mounted

in a silver frame and sent to the Queen on her silver jubilee.

Powers' hobby takes up most of his time outside of police duties and he uses his annual vacation to take the display on tour to various Ontario cities.

He began at age 9 with an ordinary boy's collection of monarch and other species, augmenting it by trading with other collectors as far afield as Australia, New Guinea and Borneo. The most colorful butterflies have been acquired from the Far East and tropical countries.

Part of Powers' collection has been borrowed for conventions. It is the only known travelling butterfly museum.

However, the most important display is the annual exhibit, scheduled this year for Oct. 26-28 in Kitchener. It will include 700 butterflies and moths, some with a 12-inch wingspread.



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1978/79 SEASON

NEWSLETTER # 5

79 01 27

The fourth meeting of the 78/79 season was held in the Planetarium Lecture Room on January 27th. In attendance were Al Hanks, Doug Scovell, Quimby Hess, Paul Catling, Ron Tasker, Henry Kowalyk, Chris Mettrick, Jim Troubridge, Peter Hallett, Sid Daniels, Bill Edmonds, Ed Fuller, John Eberlie, G.J. van Dorsser, Dr. Glenn Wiggins, Mel Tintpulver, John Carey and guests Barbara Hanks, Freda van Dosser, Gordon Pratt and Matthew Hallett - a very good turnout.

1. The meeting was called to order at 1:15 and the minutes of the previous meeting were adopted as read.
2. Business arising from the minutes:
 - a) A correction was pointed out by Quimby Hess to item 4g. In both cases, it was a series of *Oeneis polixenes* that was taken. In the case of the 1938 record - there is some doubt that it is *polixenes* - this will hopefully be clarified later.
 - b) No news has been received from the FON or the Ontario Archives.
 - c) Current financial situation shows \$270 in the treasury.
3. Correspondence:
 - a) Letters to Dr. J.K. Reynolds and Mr. R.E. Laupert of the Ministry of Natural Resources were circulated - these refer to the St. Williams habitat. Also, a letter to Mr. G.B. McKeating of the MNR Wildlife Branch with respect to the West Virginia White was circulated.
 - b) A letter from Mr. Dana Gring of Toledo, Ohio requests copies of our 76, 77 and 78 summaries (76 & 77 sent) and any information on possible instances of *Hyalophora columbia* in 1978. He is also interested in obtaining cocoons.
 - c) A letter was received from Father Riotte in which he conveys best wishes to the members for 1979.
 - d) A letter was received from the Sociedad Mexicana de Lepidopterologia A.C. in which the TEA is given honorary membership, and indicating that copies of their regular publications will be sent to us.
4. New Business:
 - a) The Mexican Society has three publications available on Latin American Lepidoptera (Butterflies) and it was moved by Sid Daniels, seconded John Eberlie that these be purchased at a cost of \$10 for the TEA library - motion carried.
 - b) It was noted that a number of members have not yet paid their dues. It was moved by Quimby Hess, seconded Paul Catling that a letter be sent to them indicating that no further newsletters or the 1978 summary would be sent until the dues are paid - carried.
 - c) The lecturer for the February 24th meeting will be Robin Stuart of Erindale College, who will give a talk on 'Raiding and Slave-making in Ants' with reference to Ontario species.
 - d) The March 31st meeting will be a members meeting, so bring any interesting specimens, slides, anecdotes or what have you. A short film will also hopefully be obtained for this meeting - subject unknown so far.

- e) The April 28th meeting will have Dr. Bill Stewart of the ROM, who will give a talk on Damsel Flies and other Odonata in relation to the environment.

5. Publications:

- a) A short review of 'Penningtons Butterflies of Southern Africa' was given by Al Hanks. Also available for perusal after the meeting were two publications brought in by John Eberlie - "The Skipper Butterflies of Quebec" and "Butterflies of Saskatchewan".
- b) Publication #50 was received from the Allyn Museum of Entomology - 'A Revision of the Euptychiini - genus Pindis'.
- c) Great Lakes Entomologists Vol.II #'s 1, 2 & 3 were received from the Michigan Entomological Society, together with some newsletters. We now have a publication exchange arrangement.
- d) Quimby Hess noted that the 1978 Summary is now completed and ready for typing. Approximately 130 pages of material, including the report that Walter Plath prepared for the MNR and a great deal of other interesting material. It was decided that 100 copies should be prepared after typing and proof-reading have been done. Many thanks to all co-operators and the Editorial Committee.

6. Programme:

The main portion of the programme was the screening of a film called 'Success Story' by Jack Carey, noted nature photographer. Quimby Hess introduced Mr. Carey, and after some introductory remarks, the film was run. The screening time was about 27 minutes, and the audience was held enthralled by the content of the film, which contained some remarkable sequences illustrating insect behaviour, and noting specifically that they are much better equipped for long-term survival than any other members of the animal kingdom.

After a round of applause, Sid Daniels thanked Mr. Carey for making the film available for showing to the TEA membership.

- 7. The meeting was closed after it was noted that the Entomological Department was open for anyone interested.

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TORONTO ENTOMOLOGISTS' ASSOCIATION

1978/79 SEASON

NEWSLETTER # 6

79 03 04

The fifth meeting of the 78/79 season was held in the Planetarium Lecture Room on February 24th. In attendance were Al Hanks, Doug Scovell, Quimby Hess, Chris Mettrick, Richard Tanner, Sid Daniels, Peter Hallett, Darryl Stewart, Adrian Robinson, his daughter Sarah and our guest speaker - Robin Stuart.

1. The meeting was called to order at 1:15 and it was proposed by Peter Hallett that the minutes of the last meeting be adopted as read - seconded Richard Tanner.
2. Business arising from the minutes:
 - a) With reference to the St. Williams habitat letter. A reply was received from Mr. Laupert and he indicated that he would be able to meet with members in the area on either May 12th or 19th, but would require notice well in advance of the date. Tentatively, subject to confirmation by Mr. Laupert, the visit has been arranged for May 19th, and this will be confirmed at the next meeting. Any members interested in attending should contact Doug Scovell or Al Hanks for details or transportation arrangements.
 - b) Three publications were received from the Sociedad Mexicana, and these are available to members.
3. Correspondence:
 - a) Letters were received from the Director of the Wildlife Branch (MNR) and from the District Biologist (Cambridge) with reference to the West Virginia White. There appears to be some misunderstanding on the part of the District Biologist as to the interests of our Association in the insect, and it was suggested that he be invited to one of our meetings to discuss this.
 - b) A letter was received from Darryl Stewart thanking the membership for their concern over the loss of his collection recently.
4. New business:
 - a) The names of six unpaid members were read and they are now considered as dropped from the membership list.
 - b) Current financial status shows \$286 on account with no outstanding bills.
 - c) Another new member is reported - Alan Wormington of Gilford.
 - d) Typing is progressing on the annual Summary.
 - e) The March 31st meeting is a members meeting and everyone is invited to bring any slides, specimens, photos etc.. and be prepared for some lively discussion. Members bringing slides already are Ron Tasker, Jim Troubridge and Chris Mettrick. Possibly a short film will be available.
5. Programme:

The main portion of the programme was a talk on 'Raiding and Slave-making in Ants' by Robin Stuart of Erindale College. The talk centered on a few species of these ants that are found in Ontario, sometimes with great difficulty due to their small size. Some colonies are even found in empty acorn shells and other unlikely habitats. Mr. Stuart showed with some admirable slides how these ants conduct raids against other colonies and fight pitched battles which usually result in a high mortality count. The whole presentation was very interesting, and a lively question and answer period followed.

6. General:

Following the speaker, a long discussion evolved regarding the TEA policy on collecting, habitat preservation and dealers in entomological material. Doug Scovell will contact Gerry McKeating of the Wildlife Branch (MNR) to see if he is able to come to a meeting and continue this subject.

Al Hanks has been accumulating material on the TEA from various members, and will try to write up a history of the TEA using this information. Thanks to Tony Holmes, John Eberlie and Quimby Hess.

7. Footnote:

It was somewhat disappointing to see only ten members and guests out at this meeting - especially after the good turnout at the last meeting, twenty members and guests. There are a large number of members in the Toronto area who have apparently never been out to a meeting. We should like to see you and get acquainted, so why not come out to the next meeting, I am sure that you will enjoy it.

REMEMBER - MARCH 31st IS A MEMBERS MEETING - LETS HAVE A REALLY GOOD TURNOUT.

BRING SPECIMENS, SLIDES, PICTURES, PROBLEMS. AND IF YOU HAVE NONE OF THESE -

BRING YOURSELF !!!!!



TORONTO ENTOMOLOGISTS' ASSOCIATION

1978/79 SEASON

NEWSLETTER # 7

The sixth meeting of the 78/79 season was held in the Planetarium Lecture Room on March 31st. In attendance were Al Hanks, Doug Scovell, Richard Tanner, Chris Mettrick, Jim Troubridge, Ed Fuller, Ron Tasker, Bill Edmonds, Adrian Robinson, Sid Daniels, John Pilkington, Peter Hallett, Tony Holmes and Darryl Stewart.

1. The meeting was called to order and the minutes of the last meeting adopted as read.
2. Business arising from the minutes:
 - a) The visit to the St. Williams area will take place on Saturday May 19th, with everyone meeting at the Nursery Headquarters in St. Williams. Please contact Doug Scovell for details of transportation - whether you are driving and have space or need a lift down.
 - b) A considerable discussion was held on collecting philosophy - arising from the Cambridge District Biologists' letter. Quimby Hess suggested we send him a copy of the latest Xerces Society Bulletin.
 - c) Arising from item (b), a discussion developed on the *Pieris virginiensis* study. Quimby Hess noted that now the insect has been found in Frontenac county, the reporting of specimens captured could pose a problem, since it is on the list of Endangered Species, and our Association could possibly lose credibility. Doug Scovell noted that there appears to be no evidence of the insect occurring in the area before despite a great deal of collecting by Riotte et.al. Sid Daniels noted that it would be unlikely that anyone would be collecting that early in the year, since they would not be expecting to see *virginiensis*. Ron Tasker noted that the species distribution is subject to abrupt local boundary changes. Jim Troubridge noted that *virginiensis* is found in Montreal. Doug Scovell pondered whether the Association should recommend that the species be removed from the Endangered List, but several members thought that this would be unwise until our previous study carried out by Walter Plath is available, & more data has been accumulated on the insect and the new areas that it has been located in. Ron Tasker said he will contact Gerry McKeating of the Canadian Wildlife Service, discuss the problem with him and ask for advice.
3. Correspondence:
 - a) Al Hanks read a letter received from John Johnstone giving his reasons for not wishing to join our Association and noting particularly that more attention should be paid to preservation of habitat rather than particular insects. He also noted that a great deal of work needs to be done on Ontario butterflies - particularly in northern areas. He also likes our summaries, and is willing to purchase them when they appear.
 - b) An application form is at hand for membership in the Lepidoptera Research Foundation and Al Hanks will write to find out if Association membership is the same as for an individual.
4. Other business:
 - a) The April 28th meeting will have Dr. Bill Stewart of the R.O.M. who will give a talk on Damsselflies.
 - b) Current financial status is \$281 with no outstanding debts.
 - c) There are at present 52 paid-up members and a new membership list will be available shortly.

- d) The typing of the summary is progressing somewhat slowly, but is completed to page 52 of the 116 pages of m/s. Probably 80 typed pages will result.
- e) Tony Holmes produced a number of copies of the second part of his 'Distribution of Ontario Butterflies' and this will be reviewed by a number of the members.

5. Publications:

Al Hanks noted that a third edition has just been published of 'Butterflies of the Malay Peninsula' by Corbet and Pendlebury - fully revised and updated by Col. J.N. Eliot.

6. Programme - members slides and discussion:

- a) Ron Tasker gave a very interesting talk on the work he is doing on Manitoulin Island with particular reference to limestone barrens and sand dune habitats. Also the occurrence of *Dentaria* sp. and *Pieris virginiensis*. He also talked on the other whites found in the area - *ausonides*, *olympia* etc..
- b) Quimby Hess talked about an interesting area north of Cochrane called Onakawana. A lignite coal-mining operation is proposed for the area and Quimby pointed out that the habitat will be destroyed. Some collecting should be done in the area before this happens, to obtain records of the species found.
- c) Richard Tanner showed some slides of various species such as *L.archippus* and *arthemis* - comparing them with specimens from further south - Virginia, Georgia etc..
- d) Jim Troubridge gave a very interesting talk on collecting in the Fort Churchill area in northern Manitoba - indicating the difficulties encountered, particularly in photography, which must normally be done inside a hotel or motel room because of the strong winds or adverse conditions which usually pertain outside. He showed some very good slides of species found in the area and noted that the habitat for some of the species is very restricted, sometimes just to a small stream between higher land elevations, which means that much diligent searching is needed to find anything. Also that the weather conditions are all-important.

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APRIL 28 MEETING - DR. BILL STEWART ON DAMSELFLIES - LETS HAVE A GOOD TURNOUT.

TRIP TO ST. WILLIAMS - MAY 19TH - WE NEED A GOOD TURNOUT FOR THIS ALSO TO INDICATE THE INTEREST OF OUR ASSOCIATION IN HABITAT PRESERVATION POLICY - MAYBE THERE WILL ALSO BE COLLECTING POSSIBLE??



TORONTO ENTOMOLOGISTS' ASSOCIATION

1978/79 SEASON

NEWSLETTER # 8

79 05 08

The seventh meeting of the 78/79 season was held in the Planetarium Lecture Room on April 28th. In attendance were Al Hanks, Alan Brown, Bud Ridley, Ed Fuller, Darryl Stewart, Chris Mettrick, Paul Catling, Adrian Robinson, Tom Toyomi Ikeda and Dutch van Dorsser with his wife and daughter. Also guests Bill and Michele Stewart.

1. The meeting was called to order at 1:15 and the minutes of the last meeting adopted as read.
2. Business arising from the minutes:
 - a) All those going on the field trip on May 19th should meet in the parking lot of Nursery headquarters at 10 - 10:30 a.m. Third concession north of St. Williams and $\frac{1}{4}$ mile west.
3. Other business:
 - a) Paul Catling spoke on the management of Halton County Forest. Doug Scovell had written a letter to the Cambridge District Biologist asking the status of research into management of Halton County Forest. The reply indicated a small area had been divided into plots with projected variable thinning to take place and measure the effects. Unfortunately, the thinning was not done. A letter will be sent thanking them for the report and making suggestions etc.. Cutting will be carried out in the coming winter to continue the study and the results should be interesting.
 - b) Paul Catling read a letter from the FON welcoming the TEA as a fully federated member and noting that we are now on a list for information distribution. Enclosed was a package of material including numerous pamphlets and copies of the Ontario Naturalist and a booklet called Nature Reserves Manual. The Association is also allowed to send a representative to the board meetings, which take place five times a year. A contribution has to be made to the FON, and is based on the number of members in the joining body. This will be discussed by the Executive and a cheque sent when the amount is decided.
 - c) The Annual Summary typing is progressing, albeit somewhat slowly, and should be completed fairly soon.
 - d) A publication on taxonomic changes in some of the Lycaenidae was received.
 - e) A copy of the membership list will be circulated to all members.
4. Main topic:

Dr. Bill Stewart of the ROM gave a two-part presentation on the time he had spent in Australia. The first part dealt with some of the impacts of civilization on the natural environment, well illustrated with slides showing how some of the natural flora is disappearing through sheep and cattle farming, and also how some of the native fauna are affected. The second part dealt with his studies of several species of damselfly which are found in the eastern areas generally between the mountains and the sea coast. These insects are very interesting, as the few genera included are found in very few areas throughout the world, and are usually very difficult to study. The slides used to illustrate this portion of the lecture were first rate, especially those of wings showing different colour patterns which emerge during the life of the insect, and probably have something to do with thermo-regulation. A very interesting close to our indoor activities for the 78/79 season.

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TORONTO ENTOMOLOGISTS' ASSOCIATION

1978/79 SEASON

NEWSLETTER # 9

79 06 03

The eighth and last meeting of the 78/79 season was the Field Trip to St. Williams which took place on May 19th, with the people attending gathering at the Nursery Headquarters. Present were Paul Catling with two guests, Al Hanks, Doug Scovell, Richard Tanner, Adrian Robinson, John Eberlie, Chris Mettrick, John Prideaux and Tom Toyomi Ikeda. Also present were R.E. Laupert, Superintendent of the Provincial Forest Station and Irene Bowman, Endangered Species Biologist of the Wildlife Branch of MNR.

Maps showing the known previous distribution of *Callophrys irus* (and therefore the foodplant - lupine) were discussed and then approximately half of these areas were visited. Two previously relatively good areas had been totally destroyed; one through flooding following construction of a small dam for water control by the Forestry Branch and the other through clearance of forest for Tobacco Farming (on private land).

Other sites in the forest area which had been productive before were now barren, although lupine was still observed, but only very small plants and non-flowering at the time of observation. The only place where lupine was robust is along the east-west road through the area, and butterflies were observed. Some of the lupine plants were in flower.

This situation appears to be critical, since the Forestry Station does not have control over management of the roadway, and if this were to be sprayed the lupine would be extinguished completely.

Mr. Laupert was sympathetic to the idea of opening up forest and brush clearing on Forestry ground, and felt that it could be accomplished without compromising any silviculture that is currently underway.

The weather was sympathetic and numerous butterflies were seen, including *Callophrys irus*, *C.niphon*, two species of *Erynnis*, several *Celastrina argiolus* and a *Lycaena phlaeas*. All-in-all, it was a very successful trip and enjoyed by those present. An approach will be made in appropriate areas to see if a plan can be devised to accomplish the requirements mentioned above.

Keith Warren writes that a moth collector in Japan is interested in corresponding and exchanging species of Heterocera from Canada with those native to Japan. His specialities are Notodontidae and Noctuidae. Any interested members should write to S. Kinoshita, Mishima 3.7.2., Settsu Osaka, Japan.

Quimby Hess has kindly offered to have a small party of people at his cottage and property in the Dorset area sometime in late August - early September. The week-end will be a self-supporting affair and Quimby has promised some interesting sights in the area. Anyone interested contact Al Hanks at 34 Seaton Drive, Aurora, Ont., L4G 2K1, indicating preference for dates.
