

# MICHIGAN ENTOMOLOGICAL SOCIETY



DEPARTMENT OF ENTOMOLOGY  
MICHIGAN STATE UNIVERSITY  
EAST LANSING, MICHIGAN 48823

11 May 1967

MAY 15 1967

Mr. Richard N. Smythe  
42 Nursewood Road  
Toronto 13, Ontario

Dear Mr. Smythe:

Thank you for your form letter, which arrived today, that seeks to promote interest in a Toronto Branch of the Michigan Entomological Society. Rev. J.C.E. Riotte has also inquired of this possibility.

I was a little surprised at first, but on reflection I can see no reason whatsoever why a Toronto Branch could not be formed.

I am enclosing a copy of the Constitution (as revised) and By-Laws of the Society. Section 5, Article VI of the Constitution points out that for the establishment of a Regional Branch, a group of at least 10 persons must petition the Society, indicating that the establishment of the proposed Branch would be useful to the Society and to entomology. The Governing Board of the Society must endorse the proposal before the Branch may be considered formally established.

I would suggest you proceed as follows: organize a group of amateur and/or professional entomologist in Toronto, perhaps have some organizational meetings, encourage all participants to join the Society, and sometime during the summer submit a formal petition requesting recognition of the Toronto group as a Regional Branch of the Society. The Governing Board of the Society, which is scheduled to hold its next meeting in September, will then consider the petition. The petition should include a list of Society members involved.

I am enclosing a number of application blanks that you can distribute to prospective members. Write if you need more.

Best wishes for success.

Sincerely yours,

Julian P. Donahue  
Executive Secretary

Enclosures  
cc: J.C.E. Riotte

42 Nursewood Road,  
Toronto 13, Ontario.  
Tel. 699-0602

Mr. A. Holmes  
43 Welland Avenue  
Toronto 7, Ontario

JULY 1967

Dear Mr. Holmes:

Re: The Formation of a Toronto Based  
Entomological Society


It has been proposed that a group of amateur Entomologists be formed in the Toronto area. As you well know, the formation of a group of this type has long been neglected. Many of the amateurs who will receive copies of this letter have been expressing the wish to have a common area of communication - the group we are now in the process of forming will supply this need.

We are proposing to become a group based in Toronto, affiliated with the Michigan Entomological Society. This will entitle us to, amongst other benefits, a quarterly bulletin, and a news letter. The Michigan Society, according to its constitution, meets with all the aims and aspirations that have been variously expressed by the people to whom this letter is addressed.

At present the members are (Rev.) J.C.E. Riotte, R.O.M., Anka Odum, R.O.M., Mr. & Mrs. R.N. Smythe (Mrs. Smythe was the Entomology Dept. Secretary).

All enquiries can be made to Mr. R.N. Smythe, 42 Nursewood Road, Toronto 13, Ontario. Please write, please join, and let's get going before the new season starts.

Yours very truly,



P.S. A second letter will be forwarded upon request of details.

August, 1967

Dear Member:

We have had an excellent response of interested people to our opening letter regarding the formation of an entomological group. Now that holidays are coming to a close we are hoping that everyone can attend a picnic for the purpose of introducing members and clearing up a few business matters.

TIME Sunday, September 17, 1967, 12:30 P.M.

PLACE High Park, Toronto, (between Bloor and Lakeshore Blvd.)  
Parkside Drive turn-off from Lakeshore Blvd.  
parking lot of Grenadier Restaurant (center of park).  
look for a red VW1500, licence #J30-622

Wives are cordially invited to attend. Bring your lunch.

A short business meeting before lunch will be held to consider the following points:

- Proposed field trip meeting in early spring.
- Number of meetings we should have during a year.
- Suggestions for a meeting place during the winter months to hold talks and films.
- Name for our group - (Toronto Entomological Society), Chapter of the Michigan Entomological Society. Question of an identification card.
- We would like 4 or 5 volunteers to join us in forming a committee. Please consider and let us know.
- Should our next letter contain names and addresses of members?
- Advantages of forming a group - associating with other collectors to exchange specimens and learn from others; as a group we may be able to collect in provincial parks.
- Advantages of a chapter connected to Michigan - an excellent monthly publication; a place to publish for those so inclined; a great source of information of the latest developments in entomology.
- The levy of 25¢ per person to take care of future mailings and stationery.

We think our beautiful, new son Timothy, born May 21, (7 lbs., 14 oz.) will become a Lepidopterist as he already shows great interest in the butterflies hanging over his crib.

Please fill in the enclosed application form to the Michigan Entomological Society and bring it along to the picnic with a \$2.00 U.S. money order so that they may be submitted as a group. If you are unable to attend, please forward membership to us.

Hoping for a bright day and looking forward to seeing you.

Yours sincerely,

*Isabel Smythe*

Mrs. Isabel Smythe  
42 Nursewood Road  
Toronto 13, Ontario

*if you are a  
member - this  
will apply.*

January 1968.

Dear Member:

The next meeting of the Toronto Branch of the Michigan Entomological Society will be held:

TIME: Saturday, February 17, 1968, from 1:30 to 4:30

PLACE: Royal Ontario Museum, Lecture Room (No. 4)  
(Mention to the guard at the main door  
that you are attending the meeting)

PROGRAMME: Minutes of the last meeting.  
Business, new and old.  
Mr. Tony Holmes will be giving a talk  
entitled: Maps as an Aid to Collecting  
(The use of topographic and soil maps as  
a means of assisting collecting).

Balance of meeting: Informal discussion  
and time to meet one another.

Rev. J.C.E. Riotte is writing a letter to an excellent supplier of cases and cabinets in Europe to inquire if cases can be purchased in larger amounts to members of our group, hopefully at a more reasonable rate.

A notice of the formation of our Toronto Branch will be submitted to Michigan for their Newsletter.

Those members who have not paid 50 cents for their stationery and postage fees, please see the secretary at the meeting. Any members who have joined Michigan after the main group of subscriptions were submitted, please notify the secretary.

We would request that members who have constructive suggestions regarding the functioning of the club, to kindly write to the secretary so that they may be presented to the committee.

Enclosed is a complete list of members names and addresses.

The committee takes pleasure in wishing everyone happiness, success and good collecting for 1968.

Yours sincerely,

(signed) I.J. Smythe,  
Secretary-Treasurer.

April, 1968

Dear Member:

The final pre-season meeting of the Michigan Entomological Society, Toronto Branch is to be held Saturday, April 27 at 1:00 P.M. sharp.

Special arrangements have been made for us to use the Brodie Room (top floor of the ROM). Go through the parking lot to the back of the building to a door labelled "Guard Room" where we are to be escorted by a member of the staff. Please be prompt.

Sincerely yours,

*(Mrs) Isabel Amythe*

Secretary-Treasurer

MICHIGAN ENTOMOLOGICAL SOCIETY

ONTARIO CHAPTER

OCTOBER MEETING  
\* \* \* \* \*

SATURDAY OCTOBER 26, 1968 2 P.M.

At the Royal Ontario Museum

Our first meeting for the 1968-1969 season will be held on Saturday October 26th.

As we have a new meeting room, it will be necessary for us to meet in the passageway between the Museum and the Planetarium.

SPEAKER: Rev. J.C.E. Riotte.

SUBJECT: Collecting results of the past season around Lake Huron (Illustrated with slides)

\* Time will be made available at this meeting for anyone who has specimens that they would like identified,, shown at the meeting or exchanged with fellow members.

MICHIGAN ENTOMOLOGICAL SOCIETY

ONTARIO CHAPTER

NOVEMBER MEETING  
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Saturday November 23, 1968 2 P.M.

At The

ROYAL ONTARIO MUSEUM Room 4.

SPEAKER: Mrs. Helen Sutton

SUBJECT: Close up Photography of Insects.

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The 1969 Fees for the Michigan Entomological Society are now due. We are enclosing a membership application form and ask that the form be completed and returned with your remittance to the Secretary Treasurer at the November meeting.

MICHIGAN ENTOMOLOGICAL SOCIETY  
ONTARIO CHAPTER

JANUARY MEETING

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Saturday , January 25, 1969 2 p.m. - ROYAL ONTARIO MUSEUM , ROOM 4

SPEAKER : DR. A.G. EDMUND  
TOPIC : FIELD PHOTOGRAPHY OF BUTTERFLIES AND PLANTS

PLUS A VISIT TO THE ENTOMOLOGY DEPARTMENT OF THE R.O.M.

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MEMBERSHIPS : There are still a number of members who have not paid their 1969 membership dues. We ask that all membership dues are paid no later than January 25th. If you are unable to attend the January 25th meeting, would you please mail a cheque payable to Ron Michaels, to Ron Michaels, Secretary-Treasurer, 53 Duncan Drive, Georgetown, Ontario.

BIRDS AND BUGS : As mentioned at an earlier meeting, a cocoon hunt was being planned in conjunction with the Toronto Field Naturalists. We had hopes of looking for the Columbia Moth, but due to distance we would have to travel and the recent weather, we are postponing this outing until this fall. A cocoon hunt will still be held and anyone interested can meet at the Halton County Forest, Campbellville, Ontario - 10:00 a.m. on February 9th. Further details will be made available at our next meeting.

COLEOPTERIST'S SOCIETY : Organization of the society is now in the final stages. The purpose of the society will be to promote interest in beetles and to sponsor projects and publications devoted to increasing the knowledge about and understanding of all aspects of Coleoptera. Anyone interested may obtain further information from L.H. Herman Jr., Department of Entomology, American Museum of Natural History, Central Park West at 79th , New York, New York 10024, U.S.A.

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TREASURER'S REPORT

Balance as of September 30, 1968		2.01
<u>RECEIPTS</u>		
Membership Fees, 1969	41.50	<u>41.50</u>
		43.51
<u>EXPENDITURES</u>		
M.E.S. Dues	22.00	
Exchange Cheques, Money Orders	3.57	
Envelopes	1.16	
Postage	1.18	<u>72.91</u>
Balance as of January 2, 1969.		<u><u>15.60</u></u>

M I C H I G A N   E N T O M O L O G I C A L   S O C I E T Y

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T O R O N T O   B R A N C H

March Meetings

SATURDAY March 1, 1969      2. p.m.    Royal Ontario Museum    Room 4

Speakers:    Rev. J.C.E. Riote,    Ron Michaels,    W. Plath Jr.

Topics:    Night collecting with light.    Slides (To be announced at the meeting)

\*There will be a short meeting of the committee after the general meeting.

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SATURDAY March 29, 1969      2. p.m.    Royal Ontario Museum    Room 4

Speakers:    Dr. G. Wiggins

Topic:        International Congress of Entomology in Moscow.

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HELP !            HELP!            HELP !

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As most of you are aware, we have been invited to enter an exhibit at the annual meeting of the Federation of Ontario Naturalists on April 25, 26 and 27 at the Seaway Towers. Your help is urgently needed in making this exhibit a success. Any member who can enter display material is asked to submit your list to Ron Michaels, Sec. Treas., no later than March 15, 1969.

COLUMBIA MOTH: For those that are interested, the December 15, 1967 issue of the Newsletter for M.E.S. contained an excellent article by J. Donahue on the Columbia Moth. Because of the demand for this article, The Newsletter had to be reprinted and copies are available to the Members at a cost of 40¢ each.

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mailed to attached  
list of members  
March 14/69 JF

March 11, 1969

The nominating committee met via telephone and decided that the following slate of officers be proposed to the membership:

Chairman	Father J.C.E. Riotte
Vice-Chairman	Walter Plath
Secretary-Treasurer	Ron Michaels

Since it would not be proper for Mr. Plath to be on both the nominating committee and on the proposed executive, the chairman of the nominating committee, after consultation with Father Riotte and Ron Michaels asked Mr. Anker Odum to take the place of Mr. Plath on that committee.

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B A L L O T

Please mark your approval of the candidates and return to Mr. Ron Michaels, Secretary-Treasurer of the Society, 53 Duncan Drive, Georgetown, Ontario.

CHAIRMAN - Father J.C.E. Riotte

VICE-CHAIRMAN - Walter Plath

SECRETARY-TREASURER - Ron Michaels



MAP # 1

SATURDAY - SUNDAY

7:30 - 8:30 P.M.

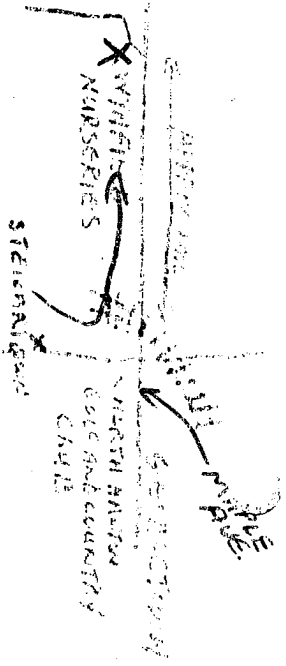
HWY 401

TRAFALGAR SIDEROAD

MISSISSAUGA SIDEROAD

HWY 10

DIXIE RD.



X TRAMROAD

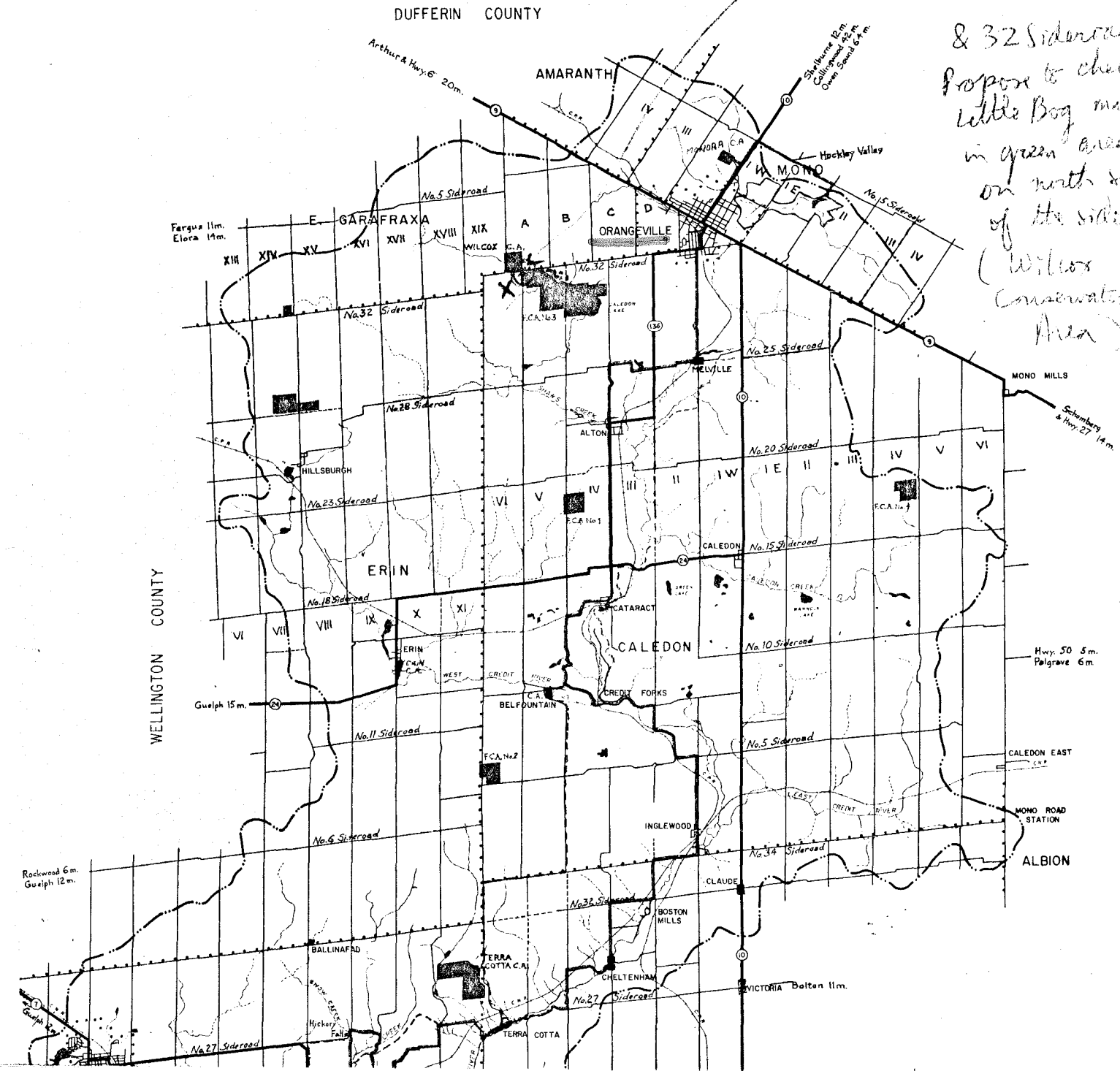
CREDIT VALLEY CONSERVATION AUTHORITY

CREDIT RIVER WATERSHED



marks the spot  
corner 1st L.I.N.  
E.A.S.  
CHERRY

& 32 Sideroad.  
Propose to check  
Little Bog make  
in green area  
on north side  
of the sideroad  
(Willow  
Conservation  
Area).



WELLINGTON COUNTY

DUFFERIN COUNTY

MICHAEL AN ENTOMOLOGICAL SOCIETY

TORONTO BRANCH

OCTOBER MEETING

Saturday October 25, 1969 2:00 p.m.  
at the  
Royal Ontario Museum Room #4

Speaker: J.C.E. Riette

Topic: Collecting Results of the Past Season.

As this is our first meeting for the coming  
Fall Season, we ask that specimens that require  
identification, for exchange, be brought in  
to this meeting.

ADDRESS CHANGES:

FITZGIBBON, Mary (Miss) 16 Pinecliff Dr., Streetsville, Ont.  
HARDING, Douglas H. 373 Ninth Line, Oakville, Ontario.  
SUTTON, Helen (Mrs.) 16 Pinecliff Drive, Streetsville, Ont.

NEW MEMBER:

WARD, Philip, c/o Morris Hall, Room 127, Queen's University  
Kingston, Ontario.

URGENTLY NEEDED

A summary of the trends of Ontario Rhopalocera over the past  
summer is being compiled for distribution to our members.  
Please send a recap of your summer observations and collecting  
to Ron Michaels no later than November 7th, 1969.

# MICHIGAN ENTOMOLOGICAL SOCIETY

TORONTO/ONTARIO BRANCH



NOVEMBER MEETING  
\*\*\*\*\*

Saturday November 22, 1969.  
Royal Ontario Museum,  
Room 4, 2 P.M.

MOVIE: The Hidden World of Insects.  
(National Geographic)

Plus: Additional Films.

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## ADDRESS CHANGE

Mr. & Mrs. R.N. Smythe,  
P.O. Box 656,  
56 St. Andrews Street,  
St. Marys, Ontario.

## ANNUAL SUMMARY

--- More recaps of the past summer's collecting are required for the annual summary of Ontario Rhopalocera. To date we have not received enough lists to consider starting the summary.

"Have you sent your recap?????"

## ARTIFICIAL FOOD

Due to the interest shown at our last meeting in the Artificial Food for rearing caterpillars, we have printed the formulas and enclosed them with this newsletter. At present the Royal Ontario Museum is using the artificial food and further inquiries should be directed to: (Rev.) J.C.E. Riotte at the Royal Ontario Museum.



"Did you really think I came out here for butterflies, Miss Paswell...!"

# Toronto Entomologists' Assoc.

SATURDAY  
January 31, 1970

Royal Ontario Museum  
Room 4 2 pm

Speakers: Mrs. H. Sutton and W. Plath

Topic: Butterflies (Slides)

\* \* \* \* \*

The ballots have all been tabulated and as you can see from the heading, we are now the Toronto Entomologists' Association. Unfortunately time does not permit us to make a full report for this mailing but a summary of the results and our proposed plans for the coming year will be mailed before our next meeting.

## MEMBERSHIP DUES\*

The 1970 Fees for the Toronto Entomologists' Assoc. are now due. We are enclosing a membership application form and ask that it be completed and returned with your remittance no later than FEBRUARY 12, 1970.

\* \* \* \* \*

We are asking for suggestions and ideas for future meetings. Please use the enclosed form for any suggestions you may have and return to Ron Michaels.



"As a scientist you'd make a great social butterfly."

TORONTO ENTOMOLOGICAL SOCIETY  
WHAT WE SHOULD AND CAN EASILY DO TO MAKE OUR  
COLLECTING SCIENTIFICALLY USEFUL

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I suppose that everyone in our circles likes collecting insects, especially perhaps moths and butterflies, perhaps beetles and so on. This presupposes interest and knowledge. Interest alone will not do, and the knowledge has to be taken care of in a never ending effort on our part. Hence the following thoughts.

I do not think it is necessary to underline that collecting for the sake of collecting alone has no sense, at least when living beings are concerned. In the case that someone has an irresistible urge to collect, and only to collect, let him collect something else on which he can lay his hands, but not parts of nature. There are so many suitable things. . . . . However, if there is more involved than just the urge, let's talk about how to make our collecting so that it can be called scientifically useful.

This implies in the first place an absolutely trustworthy documentation of our collected specimens. One never should think that this fundamental rule can be violated unpunished. So in the first place, keep your records straight. This has to begin right on your field trip. You just have to have the time to put your notes on the envelopes where the butterflies are inside. When you know with certainty where you are going to collect this day, prepare your envelopes beforehand. This will pay off later. When you have moths in your killing jar, pin them while they are still fresh and put them away in a box with a detailed label at the beginning and at the end of a row belonging together. Do not forget to pin these labels to the specimens, i.e. the first and the last of a group. And then, do not disturb the

rows of specimens until you are going to spread them or whatever else is the final disposal of them. Avoid anything which might tend to mix them up. This is easier done than you can imagine. I would say when you are ready to spread the specimens the final label should be available. Never work with numbers and gadgets like this. It is dangerous. How many specimens are absolutely worthless because the documentation is worthless. What do you do later with a specimen having only a number, the meaning of which you have forgotten. And the person you gave the specimen with the number is writing you again and again asking what the number means, and finally to get rid of him you just answer "something" (do not laugh, this has actually happened). This way of handling things is scientifically worthless and not the way a serious collector should choose. He thinks in the first place of his labels, whence a joker said that in the old days they collected specimens but nowadays we are collecting labels.

Let this be as it may, what has a good label to show? There has to be, of course, some consistency in the label, some acknowledged form in its make up. Do not make up your labels just according to your momentary "intuition"; make them in the same way as big institutions and public collections of research institutes make them up: COUNTRY (or Province) Locality, name of County, Date (Day, Month-with three letters in capitals, EG. JAN APR. MAY JUL OCT, Year), name of collector, the addition "uv. light" in the case of moths, or butterflies, which came to your lights. This kind of label can be pre-printed so that one has only to write in the date. With this kind of label the specimen can be said to be sufficiently documented. Of course, similar arrangements have to be made also for caterpillars, pupae etc., and especially for photographs and slides.

The latter belong nowadays without any doubt to the things which make our collecting scientifically useful. We not only wish to see the specimen with its correct label but as much as possible of its surroundings, behavior, early stages, etc. Photography is the best way to ascertain this. But how? What camera gives the best results?

Although you will be able to get good and useful pictures of habitats with any camera, it has some bearing on the subject to remember that before all in this case: the most expensive is always still the cheapest. You begin small, we all did, but this eats your money because very soon you will see that it was not enough. You will not be satisfied with the pictures. Then comes the next one and so on until you are finally fed up and buy the expensive one which you thought previously was just not necessary for you and your aims. I know how it goes, believe me . . . so buy any of the mirror-reflex cameras on the market with a wide angle lens for habitat photos; this would be the minimum the appetite comes during eating . . . In any way you have the utmost satisfaction of your collection and the accompanying slides, you have something to show to your friends, to school classes, and also the expert and professional will like to use your material for his purposes. And this high standard to reach should be the aim of every entomological collector whatever his special field.

Also, in this sector it is true that nothing is without pains, but what pain conceived in the right way may very well be sweet !

# Toronto Entomologists' Assoc.

MARCH 4, 1970

PAGE #1

## MARCH MEETING

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Saturday March 21, 1970 2 pm

Royal Ontario Museum Room 4

SPEAKER: Prof. Carl Atwood

TOPIC: Some Aspects of Natural Control of  
Insect Populations.

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## MEMBERSHIP DUES

There are still a number of members who have not paid their 1970 Membership dues. We ask that all membership dues are paid no later than March 27th, 1970.

\* \* \* \* \*

We are looking for items of interest that can be used in our newsletters. If you have publication, cartoon or a news worthy item that can be used, please send them to:

Toronto Entomologists' Assoc.  
c/o 53 Duncan Drive,  
Georgetown, Ontario.



March 12, 1970

Book Service

One of the objectives of the Toronto Entomologists' Association is to try and provide various services to its members which can be to their advantage. One such service will be our Book Section. Arrangements have been made with one of the leading publishing companies in Toronto, whereby our members can purchase books at a savings. We realize that all books are not related to Entomology, but as new books are published, our members will have the opportunity to receive advance notice and purchase these books at a savings of approximately fifteen per cent. All the books are excellent for your own library or as a gift.

We hope in time to be able to offer other services for our members and will welcome any suggestions.

To purchase any book that is listed, please read the following instructions:

1. All orders must be accompanied by a cheque or money order, payable to The Toronto Entomologists' Association.
2. As the book will be mailed direct to you from the publishing company, allow four to five weeks for delivery.

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We will also list publications that are available from various organizations by writing to the address that is listed. It would be appreciated if our members would send us a list of the publications that they have and the address where they can be obtained.

EM/fe

TORONTO ENTOMOLOGISTS' ASSOCIATION BOOK SERVICE

<u>Title</u>	<u>Author</u>	<u>Retail Price</u>	<u>T.E.A. Price</u>
Born Free	- Joy Adamson	- \$ 6.50	\$ 5.50
Living Free	- Joy Adamson	- 6.50	5.50
Butterflies	- E.B. Ford	- 9.50	8.00
Insect migration	- C.B. Williams	- 6.50	5.50
Last of the Wild	- E.Schuhmacher	- 17.75	15.10
Secrets of Plant Life	- Marcel Sire	- 27.00	22.95
Pesticides & Pollution	- K. Mellanby	- 1.95	1.75
The Peregrins	- J.A.Baker	- 4.50	3.85
Birds in the Balance	- P. Brown	- 5.50	4.65
Wildlife in Danger	- J.Fisher, N.Simon, J.Vince	- 17.50	15.00
Born in the Zoo	- H.Hediger & J.Klages	- 11.00	9.35

\*The Butterflies of Trinidad and Tobago by Malcolm Barcant, member of the Lepidopterists' Society and authority on the Butterflies of that country for more than 40 years. The first comprehensive book on Butterflies for any single country within the American Tropics. More than six years in production, it is informative and well written and superbly illustrated in colour. Includes every species known to Trinidad and Tobago up to 1969, and is indispensable to anyone wishing to complete regional studies within the American Neotropics. Toronto Entomologists' Association price will be \$11.00.

Reserve your copy now. As soon as the book is available, advance orders will be filled first.

Publications

We will endeavor to list publications from various organizations which you can obtain for your library. All that is required is for you to write to the address listed for the publication to receive your copy.

## 1. Ontario Weeds - Publication #505

Ontario Department of Agriculture & Food,  
Parliament Buildings,  
Toronto, Ontario.

## 2. Guide to the Geometridae of Canada - Publication #50

The Entomological Society of Canada,  
Ottawa, Ontario.

Toronto Entomologists' Association

Saturday,  
May 9, 1970

Royal Ontario Museum  
Room 4, 2:00 P.M.

Agenda

1. Speaker: Q.F. Hess  
Topic : Collecting in Trinidad (Movie)
2. One of the suggestions that we received was to have another "Swap Session" at one of our meetings. As this will be the last meeting until next fall and most of us have had a chance to sort the specimens that were caught last year, we are having another "Swap Session". Please bring in anything you have that are duplicates, surplus or otherwise not part of your active collection. Any orders or families will be welcome - pinned or papered - Al or tattered. Make sure you have sufficient boxes with you for transporting the specimens.
3. To assist you with your collecting this coming summer, please bring maps of the areas you plan to visit so that others can point out good localities or request material from particular areas.

\*\*\*\*\*

Many collectors are content to take only a pair or short series of specimens from any locality. Entomologists should learn to be opportunists. If any species is abundant, your collecting of a large series will not affect the breeding population in the slightest. However, it will mean that you can return with a good series for inclusion in your collection as well as assist others who are working on specialized collections and are more than willing to exchange in order to obtain the specimens they require.

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The check list of Ontario Skippers and Butterflies, as well as the 1969 "Seasonal Summary" is completed. A copy will be mailed to our members shortly. Anyone requiring additional copies may purchase same at a price of \$1.50 (\$1.25 plus 25¢ postage).

Toronto Entomologists' Association

Field Trips

Three field trips have been planned for this summer in areas that will be of interest to our members.

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Saturday,  
June 6, 1970

St. Williams, Ontario.      Leader: W. Plath Jr

Time: 9:00 - 10:00 a.m. - Meet at the headquarters of Department of Lands and Forests. (Nursery Division - 2 - 3 miles north of St. Williams).

Saturday,  
July 11, 1970

Pinery Provincial Park      Leader: Paul Catling  
Grand Bend

Time: 9:00 - 10:00 a.m. - Meet at the Nature Museum inside the park.

Both areas are in the Carolinian Zone and characterized by a more southern type of fauna. In both areas, the soil is sandy and the vegetation is of the semi prairie type. Among the Butterflies that we can expect are P. Protodice, P. Troilus and L. Samolus. Also rare and local Hesperoidea should be found at Grand Bend.

RM/fe

Friday Evening  
June 19th  
8:00 p.m. till  
Saturday a.m.

Campbelleville - Moths  
Leaders - Ron Michaels, plus members  
of the Toronto Entomologists' Association.

This is an outing for anyone interested in seeing how moths are collected at night using black lights (U.V.). Although scheduled to begin at 8:00 p.m., some time will be required to set up the equipment etc. This will give anyone arriving on time an opportunity to wander about this most interesting area before dark. The actual collecting of moths will not begin until dusk, and will continue as long as the results warrant and the interest is sustained, which usually is well past midnight.

The equipment will be set along the Bell Telephone Company's right of way which leads into the area. Through the efforts of one of the members of the T.F.N.C., Mr Trevor Hamilton, the telephone company has kindly consented to have the right of way open for our use on this particular evening.

To those not familiar with the area, go west from Toronto on highway 401 to interchange #38. This is the Guelph line or the Campbellville Mohawk Race Track road. Go north on this road past the race track to the first road on the right. There is a small church on the north east corner, turn right (east) and about a mile along look for a road on the right which is usually closed with a gate. This is the Telephone Company's right of way. If possible, the road will be marked with a sign indicating the outing.

Members of the Toronto Field Naturalists Club and Georgetown Naturalists Club will be present.



MICHIGAN ENTOMOLOGICAL SOCIETY  
TORONTO/ONTARIO BRANCH



ARTIFICIAL MEDIUM

Agar Agar ----- 30 gm

Water ----- 1200 ml.

Heat Agar and water together with continuous stirring until just ready to boil. It should begin to foam when ready.

Brewer's Yeast	-----	120 gm	
Ascorbic Acid	-----	12 gm	(Vitamin C)
Methylparaben	-----	9 gm	(Fungicides)
Sorbic Acid	-----	3 gm	(Fungicides)
Dried Lima Beans	-----	1200 gm	(Soaked overnight)
Water	-----	1000 ml	

Put above ingredients into a blender while the Agar solution is heating. Run blender for about 1-2 minutes. When Agar solution is ready, pour it into the blender, and run the blender for a few minutes. The mixture does not need to be completely smooth. Pour hot mixture directly into containers. Do not wait long before pouring because it will begin to set-up almost immediately. Allow it to stand in the containers for about 2 - 3 hours before capping.

# MICHIGAN ENTOMOLOGICAL SOCIETY

TORONTO/ONTARIO BRANCH



## LARVA CULTURE MEDIUM (HETEROCERA)

Pinto Beans	604g soaked wt.
Brewers Yeast	100g
Sorbic Acid, Dry	3g
Ascorbic Acid, Dry	10g
Tegosept	6g
Formaldehyde	6ml
Agar	40g
H <sub>2</sub> O	800 ml ± Agar
	1120 ± dry ingredients

1. Mix all dry ingredients except agar. Place them and the beans which have soaked overnight, + 1120 ml H<sub>2</sub>O in a large blender for about 10 minutes.
2. Slowly add agar, ± stirring, to the 800 ml. of boiling H<sub>2</sub>O. Stir constantly until it becomes transparent and thickens.
3. Add agar mixture to mix in blender. Add Formaldehyde. Blend 2 minutes.
4. Pour into small paper cups, etc. and refrigerate.

### NOTES

Let food warm to room temperature before feeding.

Not for eggs, won't hatch.

Same mix with 143 g wheat germ added is better for some species.

This formula is for most small things, not for large species.