



TORONTO ENTOMOLOGISTS' ASSOCIATION

Meeting # 1
87/89 Season

The first meeting of the 1988/89 season was held on Sept. 24th in the Lecture Room of the Planetarium, starting at 1 p.m. In attendance were John Eberlie, Alan Hanks, Quimby Hess, Gord Edmund, Tom Mason, John McGregor, Bud Ridley, John Prideaux, Barry Harrison, Duncan Robertson, Kit James, Bert Wigg, David Pagnello, and visitors Michael Gurr and Nick Tzovolos.

1. Minutes:

There were no minutes from the final meeting of the 87/88 season, as it consisted of the field trip. Quimby Hess reports on this as follows:

The 1988 Field Trip was successfully completed on July 9-11 in Huron and Lambton Counties. The weather was ideal and attendance was excellent. Nine members stayed overnight at my property in Zurich. Special thanks to Ben and Brenda Kulon and Gerry Clements for conducting the tour of the new Karner Blue Sanctuary near Port Franks, and George Sutton for hosting a beer interval at his Goderich residence. Bert Wigg donated some of the beer used at Zurich and deserves a big thankyou.

After lunch on July 9 (Saturday) the group proceeded to the Karner Blue Sanctuary near The Cut Bridge area. After touring the Sanctuary we proceeded to a wetland area near Port Franks where a skipper locality was checked with good results. Then on to the Dorcas Copper habitat area in the Kettle Point Indian Reserve. That night, Duncan Robertson, Jack McGregor, Ron Tasker, Jim Spottiswood and Phil Schappert carried out UV light and bait procedures for moths on the Hess property in Zurich.

On June 10 (Sunday) the group proceeded north to the Sharp's Creek Conservation Area east of Goderich. This is a unique habitat area of wetlands, etc., good for butterflies and birds. Many interesting species were flying, including the Green-Clouded & Tiger Swallowtails, Hairstreaks, Skippers, Checkerspots and so forth. George Sutton collected the first *Euphyes dion* skipper known from Huron County. After the field work, we all went to George Sutton's beautiful residence in Goderich for refreshments and to view his large insect collection. All in all a very good field trip.

2. New Business:

a) Quimby Hess gave some more details on the Karner Blue project. The property previously referred to has been purchased, the land cleared to some extent and fencing begun. All terrain vehicles are still using the area however and the fence may be in danger of damage. Prescribed burns will be carried out to produce more lupines, which are not as plentiful as in previous years, according to Quimby.

b) John Eberlie has talked to his MPP regarding spraying with Bt against the Gypsy moth. The Hon. Vincent Kerrio of the MNR has assured all concerned parties that the spray programme is not for eradication, but only control and will not endanger the butterfly population!!!! There is apparently a new virus available for control called "gypcheck". It is a specific virus supposed to attack only a single species. It was developed in the States and has been in use in Europe.

c) We should have elections early next season and nominations are sought for the offices of President and Vice President. A volunteer, John McGregor has been found for Secretary. Please send any suggestions for nominations to John Eberlie or Alan Hanks.

d) John has a number of speakers lined up, as follows:

Oct. 22nd - Dr. Thomas Alloway of Erindale on Slave-making Ants.

Nov. 26th - James Sutcliffe from Queen's University on Biting Flies.

March 25th - Prof. Steve Marshall on Chasing Flies from the Arctic to the Andes.

The January meeting has been suggested as 'Election Day' and the April meeting as our 'Display Meeting'. There was not a good public turnout last time and we should aim to improve this. Tom Mason will investigate the possibility of using a room at the Metro Zoo, where it might be possible to stimulate more public interest. Other possible speakers are being sought.

e) The trips to the Metro Zoo were EXTREMELY UNEVENTFUL, since no members came. We should be able to do better than this, as it reflects on our image. We must try to do better if the trips are available again this season!

f) Quimby Hess has requested that information for the summary be sent in no later than November 30th. In addition, please submit only material that is of interest - we are trying to cut down on this summary so that funds can be given over to the publishing of the 'Distribution of Ontario Butterflies'. Any records for common species will not be used.

g) Data is required for the MONA Catocala section. Anyone wishing to submit collection records, foodplant data etc., please contact Al Hanks for more details.

3. Financial Report:

Treasurer Al Hanks notes that we started the year with \$383 in the bank and this is now up to \$697 with renewals. Keep up the flow!!

4. Publications:

Gord Edmund noted that d'Abrera Volume 4 of the Neotropical Butterflies is \$205 from Classey and \$242 from Bioquip. Contact him if you are interested.

Al Hanks noted that the World's Biggest Bookstore has a number of new titles in their insect section.

5. Programme:

This was given over to the showing of slides and specimens by various members that were present.

PLEASE NOTE THAT DUES ARE DUE!!! IF YOU HAVE NOT PAID, PLEASE DO IT NOW!!!

Dear Tony,

I really must apologise for not contacting you regarding the data entry for the publication. Things have really been bursting at the seams. We are going away for a week and when we return, I plan to get back on it.

Alan



TORONTO ENTOMOLOGISTS' ASSOCIATION

Meeting # 2
87/89 Season

The second meeting of the 1988/89 season was held on Oct. 22nd in the Lecture Room of the Planetarium, starting at 1 p.m. In attendance were John Eberlie, Quimby Hess, Bert Wigg, David Pagnello, Merne Powers, Tony Holmes, Carolyn Gondor, Michael Gurr, Nick Tzovolos and visitor Paul McGaw.

1. Minutes:

The minutes from the Sept. 24th meeting were accepted as read:

2. Matters Arising:

There was no further special news of the Karner Blue Project, but Quimby Hess noted that fencing of the property is progressing.

John Eberlie had written to the local Gypsy Moth Control Co-ordinator in his area (Ganaraska Conservation Authority), and had a reply in which he was told that the experimental spraying with Disparvirus (Gypchek in the U.S.) has shown that it was a good method of Gypsy Moth control. There has been very little defoliation by the Gypsy Moth in treated plots, whereas untreated control plots showed 35 to 85 percent defoliation. The Canadian Forestry Service are intending to conduct additional tests in 1988 in an effort to find the least amount of virus that will protect trees. A report on this has been promised to John Eberlie in 1989. As a result of this and information obtained from literature and the International Entomological Conference in Vancouver in July, John Eberlie thought that we should press the M.N.R. to change to the exclusive use of Disparvirus rather than Bt, so as to lessen the likelihood of damage to, or complete destruction of beneficial insects in treated areas. This is because it is claimed that the Disparvirus is an absolutely specific disease of Gypsy Moths and will not affect other lepidoptera, even related Tussock Moths. However, Quimby Hess firmly pointed out that he was not so sure, and suggested that we await more evidence of the effect or lack of effect on the beneficial insects.

3. Correspondence:

A letter from Tom Mason, who was unable to attend the meeting, mentioning among other things that TEA members might be interested to know about a talk by Michael Powers of "Flying Jewels, Inc.", which is to be given to the Metro Zoo Society on November 13th, 1988. The admission fee is \$4 and proceeds are to go towards the new invertebrate displays at the Zoo.

4. New Business:

John Eberlie has written to the Director of Administration and Special Events at the Zoo, officially requesting facilities for our display meeting on Sunday, April 23rd, 1989. As we have already agreed that we should invite the public, a plea was made for members to make a special effort to prepare really good exhibits for display. These could consist of photographs, slides, drawings and paintings, set specimens, apparatus, living insects (overwintering pupae etc..).

5. Financial Report:

There are 45 members paid up to date and the bank account stands at \$984. However, there are still many members unpaid!!

6. Publications:

John Eberlie brought a booklet entitled "The YES International Entomology Resource Guide". This is published by the Young Entomologists' Society and lists addresses for the purchase of entomological equipment and apparatus, books, lists of periodicals, amateur and professional entomological societies, insect zoos and butterfly houses etc.. This is a worldwide listing and is available from "YES International Headquarters", Department of Entomology, Michigan State University, East Lansing, MI 48824-1115, U.S.A. - cost US\$7.50.

7. Programme:

The speaker was Dr. Tom Alloway, Professor of Psychology and Zoology at Erindale College, University of Toronto, who lectures on animal behaviour. His subject was "Slave-making Ants" and it proved to be a most interesting and fascinating topic, illustrated by slides, with a subsequent lively question period. Very many thanks are due to Dr. Alloway, although it was a great pity that there were so few members present to hear this excellent presentation.

NEXT MEETING: November 26th, when the speaker will be Professor James Sutcliffe from Queen's University. His subject will be "The Behaviour of Biting Flies". **LET'S HAVE A GOOD TURNOUT THIS TIME!!!**

* * * * *

PLEASE NOTE THAT DUES ARE DUE!!! IF YOU HAVE NOT PAID, PLEASE DO IT NOW!!!



TORONTO ENTOMOLOGISTS' ASSOCIATION

Meeting # 3
87/89 Season

The third meeting of the 1988/89 season was held on Nov. 26th in the Lecture Room of the Planetarium, starting at 1 p.m. In attendance were John Eberlie, Quimby Hess, Alan Hanks, Bert Wigg, David Pagnello, Merne Powers, Tony Holmes, Margaret Liubavicius, Duncan Robertson, Gord Edmund, John McGregor, Kit James, Doug Scovell, James Kamstra, Bill Edmonds, John Prideaux, Tom Mason, Michael Gurr and Nick Tzovolos.

1. Minutes:

The minutes from the Oct. 22nd meeting were accepted as corrected (1989 rather than 1988).

2. Matters Arising:

a) The Karner Blue Project area is now fenced. Quimby Hess suggested sending a letter congratulating those concerned for a job well done. John Eberlie indicated that he would be writing to ask that a display be developed for the April meeting at the Metro Zoo.

b) John Eberlie received a paper indicating the work done in his area with Disparvirus. There is not much specific data as yet on the effects on other species although scientific releases indicate it is specific to the gypsy moth.

c) Data on Catocala records for Ontario will be sent to the co-ordinator of the MONA fascicle on Catocala. These will be collected from TEA summaries, plus data from one interested member!!!

3. Correspondence:

a) Large volumes of material are appearing weekly at Al Hanks' residence from various organizations working on environmental protection. A selection was brought in for viewing.

b) Details of our organization and publications have been forwarded to the 'Publisher's Directory' in the U.S.

4. New Business:

a) A discussion was held on the 1988 Summary and Quimby Hess noted a large amount of new material for this year.

b) John Eberlie is trying to arrange a speaker for January or February. Ron Tasker has volunteered to give a slide show on his recent trip, possibly at the latter of these two meetings.

c) John McGregor will convene a further meeting with photography as the main focus, possibly in January. Could those having special questions or items to contribute please contact John.

d) Quimby Hess made a request that a new membership list be circulated with the next minutes.

e) It was suggested that additional publicity might be gained by placing a notice on the Museum bulletin board. Also, ads might be placed in local newspapers announcing our meetings if they have a special interest.

5. Financial Report:

There are 54 members paid up to date and the bank account stands at \$946. A purchase of mailing labels was made. There are still several members unpaid.

6. Publications:

a) Two recent articles were noted, one in the Nov. 12th Toronto Star on the "Oldest Insect" - 390 x 10⁶ years and the other in the L.A. Times on the Monarch.

b) Al Hanks noted that Classey is again contemplating the publication of a book on 'Skippers of the World' by Atkins if enough interest is shown. If you are interested, let Al know or write Classey direct.

c) Doug Scovell noted that Jim Troubridge (an ex TEA member) has published two papers in the Canadian Entomologist on Satyridae. They are as follows:

A New Species of *Oeneis* (Satyridae) from the North American Arctic; James T. Troubridge, Kenelm W. Philip, James A. Scott, Jon H. Shepard (October 1982). (The species is *Oeneis excubitor*).

A Review of the *Oeneis polixenes* (Fabricius) Complex in N. America; James T. Troubridge, David K. Parshall (July 1988).

7. Programme:

John Eberlie introduced Dr. Sutcliffe from Queens University to speak on the behaviour of biting flies. Dr. Sutcliffe provided the members present with an extremely interesting discussion of these insects, with particular reference to our well-known 'friend', the black fly!

A lively question period followed and Al Hanks thanked the speaker on behalf of the group.

NEXT MEETING: January 21st, when the programme tentatively is on photography. Bring your questions, comments, problems and perhaps a few slides to entertain the members.

* * * * *

Old type insect cabinets are available from Brad Hubley (586-5764). They are 30 in x 56 in x 76 in high and hold 44 drawers. Some drawers are also available.

* * * * *



TORONTO ENTOMOLOGISTS' ASSOCIATION

Meeting # 4
87/89 Season

The fourth meeting of the 1988/89 season was held on Jan. 21st in the Lecture Room of the Planetarium, starting at 1 p.m. In attendance were John Eberlie, Quimby Hess, Alan Hanks, Bert Wigg, Duncan Robertson, John McGregor, Tom Mason, Doug Scovell, Bill Edmonds, John Prideaux, Nick Tzovolos Ron Tasker and Jim Troubridge.

1. Minutes:

The minutes from the November meeting were accepted as read (Al apologised for the error in the noted programme).

2. Matters Arising:

- a) John Eberlie advised that he had sent a letter of congratulation to those involved with the Karner Blue Project.
- b) The new membership list was circulated with the November minutes.
- c) A letter (together with cheque for travelling money) was sent to Dr. Sutcliffe, our speaker for November.
- d) The February meeting will be on photography, with a tentative programme as follows:
 1. Introduction and field techniques - J. McGregor
 2. Hardware (Cameras, Lenses etc..) - G. Edmund
 3. Photographing Moths at night - D. Robertson
 4. Techniques for photographing eggs - Dr. Eberlie
 5. Questions and answers!!!
 6. Appendix - photographing insect stamps - Al Hanks

3. Correspondence:

- a) Request from a Yorkshire (GB) collector for a contact for pupae.
- b) Application requests for summer employment in Algonquin Park.
- c) Contributions have been requested for the Long Point Bird Observatory for a new building, and the Reptile Breeding Foundation.

4. New Business:

- a) Quimby suggested sending a letter to any potential new members among the Ontario listings in the Lep. Soc. News.
- b) Bert Wigg suggested that a brochure advertising the TEA could be made for display in the Museum. This would also be useful for the members meeting at the Zoo, and we may attract some more members by this means.
- c) Dr. Eberlie conducted a discussion in which potential speakers for the next season were listed. Included were Jane Yack, Major Randall (Hamilton), Prof. Plowright (U of T) and Phil Ponting. From the suggestions, a master list of individuals to contact will be compiled.
- d) Al Hanks asked about the 'Distribution of Ontario Butterflies' and Quimby indicated that Tony Holmes has proposed a meeting later this month.
- e) Tom Mason indicated that Zoo space available for the April meeting will be advertised among their members, plus advertisements on the notice board at the entrance. Potential displays are listed overleaf:

- a) Karner Blue Project - Quimby will request a contribution.
- b) Prints by John McGregor and slides by Duncan Robertson.
- c) Stamp displays and TEA sign by Alan Hanks.
- d) Insect specimens by Quimby Hess (sale or trade).
- e) Living material and moth traps by Tom Mason & Kit James.
- f) Home rearing by John Eberlie.
- g) Display of Toronto butterflies by ?????

5. Financial Report:

There are 58 members paid up to date and the bank account stands at \$1006.

6. Publications:

- a) Bert Wigg brought in a calendar showing excellent pictures of lepidoptera from the 'Young Lepidopterists of Quebec'
- b) John Eberlie brought in some recently published material.

7. Programme:

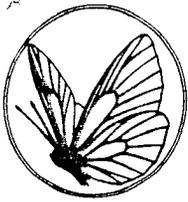
John Eberlie introduced Ron Tasker, who gave an interesting talk on his trip recently undertaken for birdwatching in Eastern Europe and Russia. A very enlightening presentation, enjoyed by all those present.

NEXT MEETING: February 25th, when the programme definitely is on photography. Bring your questions, comments and problems.

* * * * *

I regret to inform the membership that one of our long time members, Professor Gordon Townsend of Arkell, passed away in December. Notification was sent by his wife.

* * * * *



TORONTO ENTOMOLOGISTS' ASSOCIATION

Meeting # 5
87/89 Season

The fifth meeting of the 1988/89 season was held on Feb. 25th in the Lecture Room of the Planetarium, starting at 1 p.m. In attendance were John Eberlie, Quimby Hess, Alan Hanks, Duncan Robertson, John McGregor, Tony Holmes, Merne Powers, Bill Edmonds, Gord Edmund, Carolyn Gondor, Bud Ridley, Nick Tzovolos, Michael Gurr, Chris Rickard, Hal Donly, Freda & Dutch van Dorsser and visitors Paul McGaw, Lance Ryan, Wendy Glass and Helen Juhola.

1. Minutes:

The minutes from the January meeting were accepted as read.

2. Matters Arising:

- a) Two suggestions for brochures to publicise the Association were tabled, one from Al Hanks and one from John McGregor. These were very similar except for the illustration on the front cover. A combination of the two will serve the needs of the Association, and may be available for April.
- b) Professor Marshall was scheduled to speak at the next meeting, but cannot make it. Possibly a graduate student, Terry Wheeler, will speak on flies!
- c) The Ontario Heritage Foundation will apparently help to fund publications which contribute to the 'well being' of Ontario. Tony Holmes suggested that we formally request funding based on the current status of TEA Publications.
- d) The April meeting will be an 'open house' at the Metro Zoo. We will have half of the Auditorium to set up displays. It was agreed to go ahead as was planned with the hope that more members will turn up on the day!!!

3. Correspondence:

There was very little correspondence other than the usual flood of material from various environmental groups.

4. New Business:

- a) It was suggested that members should have name tags for use at display meetings such as that in April. Further discussion later on this.
- b) John Eberlie noted that a stand of Wild Lupine has been found in Northumberland County and he will visit this periodically in the spring.
- c) Quimby noted that Bert Wigg has been quite ill and had just got out of the hospital.
- d) Gord Edmund reported that Volume 5 of d'Abrera's 'Butterflies of the World' was out. Orders for any volumes needed should go to Gord.
- e) The Lepidopterists' Society is participating in the running of field trips to various places in South America via a special travel agent. Any details will be given on request.

5. Financial Report:

There is one new member and the bank account stands at \$1022.

6. Programme:

The programme consisted of the seminar on photography. This consisted of a number of presentations by the members on techniques, equipment and various facets of 'insect photography'.

Everyone seemed to enjoy the programme.

Incidentally, the attendance was extremely good, with 16 members and 5 guests.

* * * * *

NEXT MEETING: March 25th, - programme as noted above. Let's have another good turnout!

* * * * *



TORONTO ENTOMOLOGISTS' ASSOCIATION

Meeting # 6
87/89 Season

The sixth meeting of the 1988/89 season was held on Mar. 25th in the Lecture Room of the Planetarium, starting at 1 p.m. In attendance were John Eberlie, Quimby Hess, Alan Hanks, John McGregor, Tony Holmes, Merne Powers, Bud Ridley, John Prideaux, Tom Mason, Tom Toyomi Ikeda and our Guest Speaker, Terry Wheeler.

1. Minutes:

The minutes from the January meeting were accepted as read.

2. Matters Arising:

a) Tony Holmes reported that he had made contact with the Ontario Heritage Foundation regarding funding for the 'Distribution of Ontario Butterflies' and had received a form for application. The next deadline for consideration is June 1st, and the form will be submitted by then.

b) The April meeting at the Metro Zoo (Sunday, April 23rd) was discussed as to participation etc.. and various members present indicated what they would be bringing. Signs will be made up, together with name tags, for those who will attend, so that visitors can identify what is on display, and who can discuss the displays with them. A problem has arisen with unloading material on the Sunday morning. Apparently there is another event on which will not allow people to come from the North Parking Lot after 9 a.m. Anyone with bulky stuff to bring should endeavour to do this sometime on Saturday! Please contact Tom Mason if you wish to do this. Phone 392-5972 (work) and 839-6764 (home). The North Parking Lot is off the service entrance on Finch Avenue. Exit from the 401 at Meadowvale and head north. Turn left at Finch and the first driveway on the left is the service entrance.

c) Bert Wigg sent his thanks for the card sent from the TEA. Quimby had seen Bert and said his condition is improving. We all wish him well.

d) Quimby Hess reported that an additional 70 acres of land have been purchased in connection with the Karner Blue Project. This was funded by the Ontario Heritage Foundation.

3. New Business:

a) The matter of a field trip for this year was discussed with the members putting forward various suggestions from Chaffey's Locks to Moosonee!! More on this subject in the next newsletter. The date is tentatively set for some time in May.

4. Financial Report:

After the purchase of more envelopes, the account stands at \$993.

5. Publications:

Al Hanks brought in two recent acquisitions;

a) 'The Genus *Agrias*' - a monograph by Paul E. Barselou, published by Sciences Nat and available from Classey.

b) 'Florida Butterflies' - by Gerberg & Arnett, a small book published by Natural Science Publications, Inc., and available from Flora & Fauna books in Florida.

6. Specimens:

- a) Tom Toyomi Ikeda brought in a collection of butterflies he had made in British Columbia last summer.
- b) John Prideaux had a collection of beetles from Toronto and some other parts of Ontario.

7. Programme:

John Eberlie introduced Terry Wheeler, who hails from Newfoundland and is currently working on his Ph.D. at the University of Guelph. His specific interest is a group of Dung Flies. He gave a slide presentation and overview of the Queen Charlotte Islands. These are sometimes called the "Northern Galapagos" and have a very diverse range of habitat. This is usually quite accessible by means of logging roads. Mr. Wheeler expressed surprise at the paucity of lepidoptera and hymenoptera in the area and indicated that the members of the group visiting the islands were surprised at the general lack of insects. It was a most interesting presentation.

* * * * *

NEXT MEETING: April 23rd. At the Metro Toronto Zoo. Remember, this is a SUNDAY so do not turn up at the Planetarium on Saturday. We hope that there will be a good turnout of members to introduce visitors or members of the public to the exciting world of insects. If you plan on attending and would like a name tag, please let Al Hanks know in good time. See you all there!!!

* * * * *



TORONTO ENTOMOLOGISTS' ASSOCIATION

Meeting # 7
87/89 Season

The seventh meeting of the 1988/89 season was held on April 22nd at the Metro Toronto Zoo. This was the annual 'Member's Meeting' and those in attendance were John Eberlie, Quimby Hess, Alan Hanks, John McGregor, John Prideaux, Tom Mason, Kit James, Bill Edmonds and Rod & Joan Parrott.

Members were met by Tom Mason in the north parking lot, and all of the equipment was transferred to the Zoological Society building by truck. This went very smoothly, and set up of all the displays was accomplished fairly quickly. The room for the set-up was ideal, as it was quite large, very well lit and plenty of tables were available. It was arranged so that visitors would be able to walk around the room from the entrance and see all that was on display.

Rod & Joan Parrot had several cases of Birdwings on display, together with examples of the papers that Rod has written on new species and sub-species. Kit James brought in two moth traps in different designs. Tom Mason had live beetles, katydids, a mantis and the usual complement of Trantulas. John McGregor provided a large number of wonderful prints in various sizes of butterflies and other insects. John Eberlie had examples of butterfly rearing and a case of butterflies he had reared at home and also set up a small display on the Karner Blue from material supplied by Brenda Kulon. Quimby Hess had displays of Ontario insects and John Prideaux supplied some beetles of Ontario, with some showy exotic species added. Bill Edmonds had an interesting display of insects caught by Ambush Bugs (some large insects and small bugs!!). A slide projector was running with slides supplied by Duncan Robertson and other members. Al Hanks brought some of the TEA publications and brochures and also had his collection of 'Insects on Stamps' on display in twelve frames.

Just inside the entrance, Tom Mason had set up a display entitled "Helping Wildlife in your own Backyard", and this acted to draw in spectators.

About 100 - 150 people came through during the course of the day, and the show was a huge success compared with previous efforts. Many, many thanks to Tom Mason for working hard to obtain the space for the T.E.A. and we look forward to holding a similar event next year.

THE FIELD TRIP THIS YEAR WILL BE HELD ON MAY 27th.

THE LOCATION IS CHAFFEY'S LOCKS

A map is enclosed for those who do not know the location and it also has the time marked on it. Let us hope that it is a nice day and we get a good turnout.

SEE YOU THERE!

T.E.A FIELD TRIP SATURDAY MAY 17

At 9:30 AM.,

Meet here
Park on side
of road

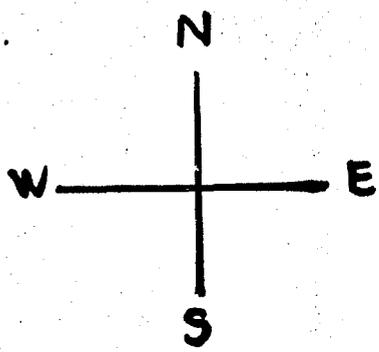
3/4 mi.

Rd

Chaffey's Locks

PERTH
ROAD

16 mi.
(APPROX.)



HWY
401

102
EXIT

KINGSTON

