



Cedric Elliott

Entomological Society of Saskatchewan Inc.

NEWSLETTER

Vol. 6 Issue 4

December 1985

Editor: Rosemarie DeClerck, Department of Biology,
University of Saskatchewan, Saskatoon, Sask.,
S7N 0W0

I would like to take this opportunity to introduce myself as the new editor of the E.S.S. Newsletter. This position, previously held by our Secretary/Treasurer, Bruce Neill, was passed to me at the Fall Annual Business Meeting held on October 8, 1985 in Saskatoon. I hope I can meet your expectations as an editor and would appreciate any helpful suggestions (or articles) you may have to offer. Special thanks goes out to those who submitted reports for this newsletter.

1. New executive and committee members for 1986

The following members were elected at the 1985 Annual Business Meeting.

President:	Peter Mason
Vice President:	Phil Curry
Secretary/Treasurer:	Bruce Neill
Regional Director:	Paul Riegert
Auditors:	Owen Olfert, Lorraine Braun, Bob Elliott and Murray Braun
Newsletter Editor:	Rosemarie DeClerck

Peter Mason prepared the following list of 1986 committees. The chairmen are underlined.

Teaching of entomology in Saskatchewan: A.B. Ewen and R.H. Elliott

Common names: K. Moore

Student and Amateur Encouragement: K. Floate, P. Kusters, R. DeClerck,
and E.R. Whiting

Proceedings and Archives: F.J.H. Fredeen and D.P. Peschken

Honours and Awards: L. Burgess and J.F. Doane

Saskatchewan Insect Survey: P. Curry and P. Harris

A.R. Brooks Memorial Prize: J.L. Harris, R.Y. Zacharuk, and D.M.
Lehmkuhl

Microscope: J.F. Doane and M.G. Maw

Fall Meeting Program: M. Erlandson, L. Braun and J. Gruszka

Nominations: P.W. Riegert, F.W. Bellamy and O.O. Olfert

Slide Collection: J.L. Harris and R.E. Underwood

2. E.S.S. Membership

Bruce Neill reports that E.S.S. membership continues to grow, with over 80 now registered with the Society. We would like to welcome the following who have just recently joined us; Bryan Doig of Watrous, Palaniswamy Pachagounder, Arden Alexander and Robin Graham of Saskatoon, Michael Shellenberg of Swift Current, David Gold of Ile-à-La-Crosse, and Andrea Baudic-Fehr of Winnipeg. We now have province-wide representation in our Society.

Bruce would also like to remind members that notices have gone out to those that owe membership fees for the upcoming year. If you have received a notice, please be prompt in returning your dues (\$5 regular and \$2 student) to:

Bruce Neill, Box 484, Indian Head, Saskatchewan, S0G 2K0

Membership in the E.S.S. has to be one of the best bargains around. If you know of anyone who would like to join, please have them contact Bruce.

3. Joint Meeting of the Entomological Societies of Manitoba and Saskatchewan

Peter Mason submitted the following report:

The joint meeting of the Entomological Societies of Manitoba and Saskatchewan, held October 24-25, 1985, was a great success. About 80 participants, including 2 from North Dakota, gathered at the Freshwater Institute on the University of Manitoba campus. The guest speaker, Dr. W.J. Showers from the U.S.D.A. Corn Research Unit in Ankeny, Iowa, spoke on the "Long Range Transport of Noctuids, with Emphasis on the Black Cutworm". Eighteen papers, including 5 from Saskatchewan and 1 poster (also from Saskatchewan), were presented. Nine of these were entered in the student competition for which the E.S.S. donated a prize of \$100.00 for the best presentation. Marc Trottier, of the E.S.M., was awarded the prize for his presentation on "Potent Strains of Bacillus thuringiensis for the Bertha Armyworm, Mamestra configurata". The meeting was topped off with a banquet on Friday evening at the Holiday Inn South. The after-dinner speaker, Dr. Timothy Ball of the Department of Geography, University of Winnipeg, informed us of recent climatological events with his talk on "Weather". Old acquaintances were renewed, new ones made, and ideas, both scientific and societal were exchanged. Thanks are extended to all E.S.S. participants for their support.

4. A.R. Brooks Prize

Blair Jarvis was this year's deserving recipient of the A.R. Brooks Prize. The prize was presented to the winner as a \$150 cheque from the Brooks Memorial Fund.



Blair, from Porcupine Plain, Saskatchewan, is a graduate student in the Department of Biology at the University of Saskatchewan. He received his Honours B.Sc. in biology (with specialization in paleobiology) from the same department in 1983, but developed a keen interest in aquatic insects as the result of the fourth year field course, given annually at Emma Lake by the Biology Department.

During the fall of 1983, Blair began his M.Sc. under the supervision of Dr. D.M. Lehmkuhl and is studying the bionomics and drift behavior of preimaginal Simuliidae (Diptera) in the North Saskatchewan River. He maintains that the most fulfilling aspect of his stay at the University of Saskatchewan has been his contact with the people from Dr. Lehmkuhl's laboratory.

Blair's entomological experiences include having taught a second year course on insect biology and control in the School of Agriculture at the University of Saskatchewan. He currently holds his second Graduate Scholarship from the same university.

5. News from the University of Regina

Paul Riegert reports that Dr. W. Chapco, of the University of Regina, has just published a new paper on the genetics of grasshoppers.

W. Chapco. 1985. Genetics of Grasshoppers. II. The inheritance of rosy and gold in Melanoplus sanguinipes. Journal of Heredity, 76: 325-328.

6. News from the University of Saskatchewan

Lloyd Dodsall prepared the following report:

In July Eric Whiting successfully defended his Ph.D. thesis entitled, "Biogeography of heptageniid mayflies in Saskatchewan: a multivariate ecological study". Dr. H.V. Danks of Ottawa, Ontario served as external examiner. Dale Parker has submitted his M.Sc. thesis entitled "Biosystematics of Chironomidae (Diptera) inhabiting selected prairie ponds in Saskatchewan". Dale's thesis defense is scheduled for mid-December. Both Eric Whiting and Dale Parker have worked under the supervision of Dr. D.M. Lehmkuhl.

Graham Couche, who was a Ph.D. candidate working under the supervision of Dr. Gillott, successfully defended his thesis in April, 1985. His thesis is entitled "Accessory reproductive glands in male Melanoplus sanguinipes (FABR.): structure and the influence of juvenile hormone during maturation of selected glands". Dr. Erwin Huebner from the University of Manitoba was the external examiner.

Congratulations are extended to Rosemarie DeClerck who was awarded an Entomological Society of Canada Scholarship for \$2000.00. The scholarship

was one of two awarded annually. Rosemarie received the award at the annual meeting in Ottawa in September, 1985 in a presentation made by Dr. Roy Sheperd.

Will Fick is a new Ph.D. candidate in the Biology Department working under the supervision of Dr. C. Gillott. Will completed his M.Sc. at the University of Waterloo and will be studying reproductive physiology of the wax moth, Galleria mellonella.

Dr. Michael Cheeseman has joined the research laboratory of Dr. C. Gillott as a post-doctoral fellow. Dr. Cheeseman completed his Ph.D. at the University of Calgary under the supervision of Dr. Pritchard; his doctoral research centered on carabid digestion. He then spent a year as a post-doctoral fellow in Edmonton working with Dr. Ron Gooding on tsetse fly digestion. Dr. Cheeseman currently is studying the reproductive physiology of Melanoplus sp.

7. Special Seminar

Dr. J.H. Borden, of the Department of Biological Sciences, Simon Fraser University, was on the University of Saskatchewan campus November 27, 1985, and gave a talk on his current work to a group of entomologists and botanists at the Plant Biotechnology Institute. The title of his seminar was "Semi-chemicals and Bark Beetle Populations; Exploitation of Natural Phenomena by Pest Management Strategists". Dr. Borden was in Saskatoon to discuss plans for collaborative work with N.R.C.'s chemical ecology research group. His laboratory at Simon Fraser University is now an associate lab of N.R.C.

8. New Insect for Saskatchewan

According to Diether Peschken, the biocontrol agent, Cystiphora sonchi (Bremi) (Diptera: Cecidomyiidae) has survived 4 years of our Saskatchewan climate. Hence, he adds, we can consider it a newly established, legal immigrant of our province. The species forms small galls on the leaves of perennial sow thistle.

9. Collecting Trips and New Records

Ronald Hooper, of the Museum of Natural History, Regina, submitted the following:

Two short field trips to collect insects were taken to Val Marie in May and June, 1985 by Keith Roney and Ronald Hooper. From June 24 to 29, 1985, Ronald Hooper went on a field trip to Sturgeon Landing.

After adding identified Coleoptera to the museum collection in October and November, we now have a total of 1,533 species of Saskatchewan beetles in the collection. Some of the new records are as follows:

Carabidae: Tecnophilus croceicollis (Menetries)

On June 12, 1985, Keith Roney and Ronald Hooper were searching south-east of Val Marie for the new Bembidion sp. that occurs near prairie