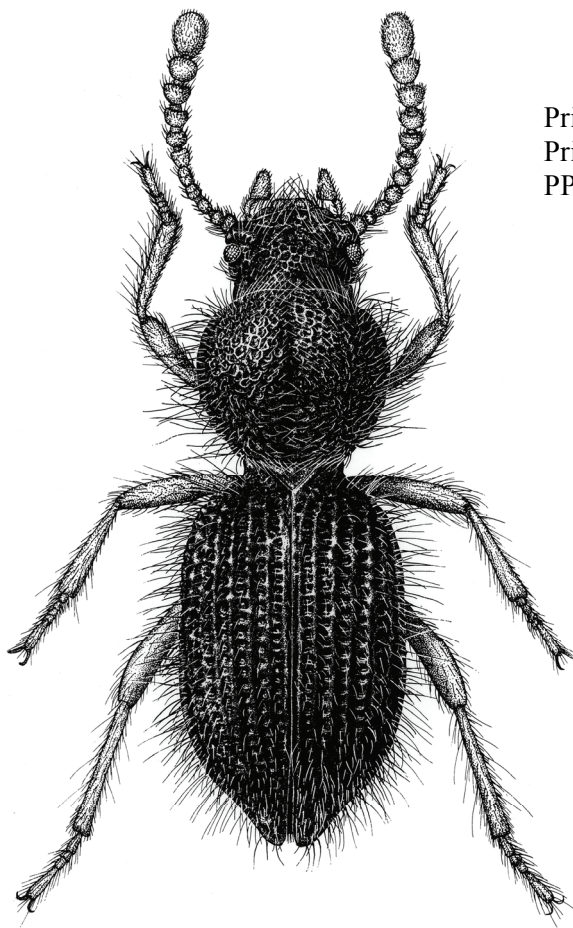




ENTOMOLOGICAL SOCIETY OF QUEENSLAND INC NEWS BULLETIN



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Front Cover Illustration: *Apocryphodes thompsoni* Matthews, 1998 (Tenebrionidae; Adeliini). This specimen is a paratype illustrated by Geoff Thompson for the original description; collected from leaf litter in 1984 on one of Geoff Monteith's North Queensland field trips by Val Davies, Geoff Thompson and Julie Gallon, at Gayundah Creek on Hinchinbrook Island.

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TABLE OF CONTENTS

Minutes of General Meeting	2
Main Business	
What is the future for Insect Taxonomy?	
Some realities and some predictions.	
- Lyn Cook.	3
Notice of Next Meeting	6
Introducing the New President	6
People & Projects	
News from DEEDI Entomology	9
Notices	9
2012 Student Award	10
Nomination for Membership Form	12

The **ENTOMOLOGICAL SOCIETY OF QUEENSLAND INC.**, since its inception in 1923, has striven to promote the development of pure and applied entomological research in Australia, particularly in Queensland. The Society promotes liaison among entomologists through regular meetings and the distribution of a *News Bulletin* to members. Meetings are announced in the *News Bulletin*, and are normally held on the second Monday of each month (March to June, August to December), or on Tuesday if Monday is a public holiday. Visitors and members are welcome. Membership information can be obtained from the Honorary Secretary, or other office bearers of the Society. Membership is open to anyone interested in Entomology.

Contributions to the *News Bulletin* such as items of news, trip reports, announcements, etc are welcome and should be sent to the News Bulletin Editor.

The Society publishes **THE AUSTRALIAN ENTOMOLOGIST**. This is a refereed, illustrated journal devoted to Entomology in the Australian region, including New Zealand, Papua New Guinea and the islands of the South Western Pacific. The journal is published in four parts annually.

EMBLEM: The Society's emblem, chosen in 1973 on the 50th anniversary of the Society, is the king stag beetle, *Phalacrognathus muelleri* (Macleay), family Lucanidae (Coleoptera). Its magnificent purple and green colouration makes it one of the most attractive beetle species in Australia. It is restricted to the rainforests of northern Queensland.

The issue of this document does **NOT** constitute a formal publication for the purposes of the "International Code of Zoological Nomenclature 4th edition, 1999". Authors alone are responsible for the views expressed.

Minutes of General Meeting

Meeting held at Library, Ecosciences Precinct, Boggo Rd, Dutton Park, on Monday, 12th March 2012, 1 pm.

Chair: Lyn Cook

Attendance: Justin Bartlett, Stephen Cameron, Alexandra Glauert, Andrew Hayes, Tim Heard, Ross Kendall, Christine Lambkin, Simon Lawson, Lance Maddock, Gunter Maywald, Penny Mills, Chris Moeseneder, Mike Muller, Brenton Peters, Matthew Purcell, Don Sands, Alisha Steward, Federica Turco, Peter Twine.

Visitors: Daphne Belcher, Kathy Ebert, Li Xin Eow, Lynne Griffin, Douglas Mc Caron, Peter Negus, Martin Shivas.

Apologies: Bradley Brown, David Emery, Judy King, Bill Palmer, Desley Tree.

Minutes: The minutes of the last Annual General Meeting were circulated in News Bulletin Vol. 39 Issue 1, March 2011.

Moved the minutes be accepted as a true record: Christine Lambkin

Seconded: Geoff Monteith

Nominations for Membership: The following nominations for Membership were received and approved by Council, and are put forward for election:

Kathy Ebert, Darra, Qld. Nominated Simon Lawson, seconded Judy King

Chris and Vanessa Ryan, Indooroopilly, Qld. Nominated Michael Jefferies, seconded Christine Lambkin.

Li Xin Eow, Kelvin Grove, Qld. Nominated Desley Tree, seconded Federica Turco.

All new memberships were elected unanimously.

General Business:

Constitution Change to Create Assistant News Bulletin Editor Positions

Geoff Monteith advised the meeting that for some time Society Council has recognised that the production and distribution of the Society's News Bulletin is a task too large for one officer. At the Council Meeting on December 12 it was decided to modify the Constitution to allow the appointment of one or more Assistant News Bulletin Editor positions. Section 15 of the Constitution specifies that members are to be given at least 30 days notice of a proposed change to the Constitution and that this should be voted on at an Annual General Meeting with a three-fourths majority of votes required to approve the change.

Notice was given in the December News Bulletin that at the Annual General Meeting on March 12, 2012 the following change will be proposed: Section 6 (g) to be replaced by the following (new wording is underlined): "The Council shall have the power to appoint an Editor of the *Australian Entomologist*, Assistant Editors of the *Australian Entomologist*, Assistant Editors of the News Bulletin of the Entomological Society of Queensland, and an Editorial Coordinator of the *Australian Entomologist*".

Geoff Monteith moved that the above wording be adopted into the Constitution. Seconded by Geoff Thompson. Carried unanimously.

Annual Reports and Financial Statements

The Society's Annual Reports, Financial Statements and the Independent Auditor's report were published in News Bulletin Vol. 39 Joint Issues 9 & 10.

President

Treasurer

Secretary

Bulletin Editor

The chairman asked if there were any questions about the information provided in the reports. No question was raised.

Christine Lambkin moved these reports be accepted. Seconded by Matthew Purcell.

Election of 2012 Council:

The following nominations have been received by Council and are now put to the meeting for election:

President: *Geoff Thompson*

Senior Vice President: *Simon Lawson*

Secretary: *Judy King*

Business Manager: *Geoff Monteith*

Treasurer: *Brenton Peters*

News Bulletin Editor: *Justin Bartlett*

Councillor: *Federica Turco*

Councillor: *Penny Mills*

Councillor: *Bradley Brown*

As nominations were required to be sent to the Secretary 6 weeks prior to this meeting and there is only one nominee for each position a secret ballot is not required.

On the January/February News Bulletin [39 (10)] Chris Moeseneder was listed as a nominee for News Bulletin Editor position. Chris is no longer available to hold this position and Justin Bartlett was nominated to stay in this role.

All nominees were elected unanimously by show of hands.

The position of Junior Vice President, to be held by Lyn Cook, is not an elected position.

Retiring President, Lyn Cook, the Council and the Society thanked outgoing Council members Desley Tree and Matt Purcell for their great contributions over several years. Desley has been an excellent Treasurer from 2009 and Matt has been Treasurer as well for four years, between 2005 and 2009, and then served as President between March 2010 and March 2011 (preceded by a year as Senior Vice President and

followed by another year as Junior Vice President) thus excellently serving the Society, as a member of Council, for seven years.

Lyn introduced the incoming President – Geoff Thompson.

Geoff thanked Lyn and invited her to deliver her Presidential address: “What is the future for insect Taxonomy? Some realities and some predictions”.

Main Business

What is the future for insect taxonomy? Some realities and some predictions.

Lyn Cook
School of Biological Sciences
The University of Queensland

The following is a short excerpt from the presentation given on 12 March 2012.

Taxonomy is concerned with the discovery, description and identification of organisms, and its practice has been undergoing a revolution with the advent of new electronic media and molecular data. I think this is a good thing. Ready access to loads of data means that taxonomy is much more accessible to everyone – new species descriptions are not just the prerogative of lucky boffins. Indeed, last year, students at The University of Queensland coauthored a paper describing a newly recognized species of gall inducing insect (Figure 1. *Apiomorpha nookara*, Mills *et al.* 2011). The work was mostly completed while the students were undergraduates, with the paper the culmination of a project in one of their courses.

Interactive keys, such as Lucid, have been a useful innovation for insect identification. CSIRO (ANIC), with support from the Taxonomy Research and Information

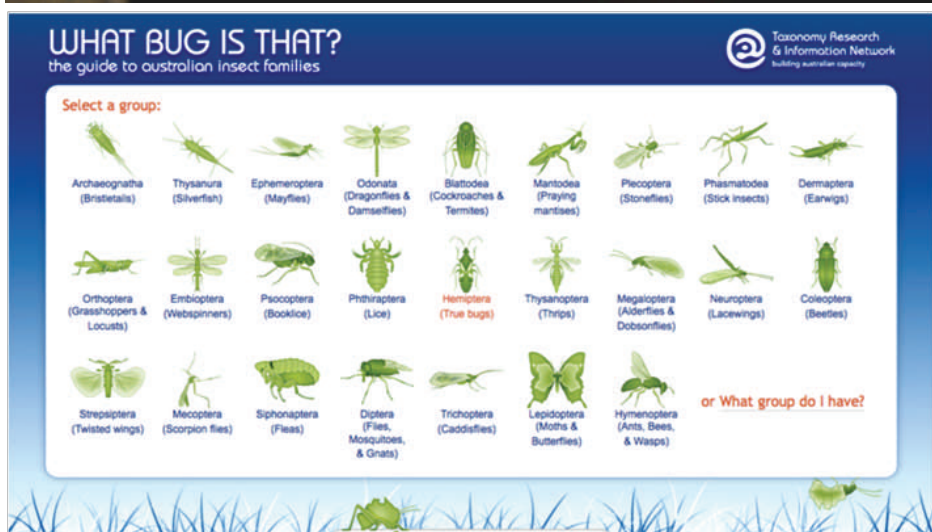


Figure 1. (top) Adult female of *Apiomorpha nookara* in its opened gall. **Figure 2. (bottom)** Entry page of the CSIRO website "What bug is that?" – an excellent resource for identifying insects to family.

Network have lead the way with digitizing keys from Australian Insects and making the LUCID-based keys for Hymenoptera and Diptera available through the simple-to-use web interface at <http://anic.ento.csiro.au/insectfamilies/> (Figure 2). The website is so useful that undergraduates can now learn to identify insects to family during fully online courses, such as BIOL3232 Insect ID and Taxonomy, an Entomology Curriculum Australia course run through UQ.

In 2012, the International Code of Botanical Nomenclature changed name to the International Code of Nomenclature for algae, fungi, and plants and, for the first time since 1935, new plant descriptions were allowed that did not have a diagnosis or description in Latin – these can now be in either English or Latin. Electronic publication of new names is now also allowed (Miller et al. 2011). An even more dramatic change in species descriptions has been the publication of new names based solely on DNA descriptions (e.g., Brower 2010). These names are valid because, although the International Code of Zoological Nomenclature and the ICNAFP state that a description must be provided, it does not stipulate what sort of data constitutes a description (e.g., Cook et al 2010).

References

- BROWER, A.V.Z. 2010. Alleviating the taxonomic impediment of DNA barcoding and setting a bad precedent: names for ten species of '*Astraptus fulgerator*' (Lepidoptera: Hesperiiidae: Eudamiinae) with DNA-based diagnoses. *Systematics and Biodiversity* **8**: 485-491.
- COOK, L.G., EDWARDS, R.D., CRISP, M.D. & HARDY, N.B. 2010. Need morphology always be required for new species descriptions? *Invertebrate Systematics* **24**: 322-326.
- MILLER, J.S., FUNK, V.A., WAGNER, W.L., BARRIE, F., HOCH, P.C. & HERENDEEN, P. 2011. Outcomes of the 2011 Botanical Nomenclature Section at the XVIII International Botanical Congress. *PhytoKeys* **5**: 1–3. doi: 10.3897/phytokeys.5.1850
- MILLS, P.J., MACDONALD, M.L., RIGBY, L.M., & COOK, L.G. 2011. A recently discovered species of *Apiomorpha* Rubsaamen (Hemiptera: Coccoidea: Eriococcidae) with unusual gall morphology. *Zootaxa* **3093**: 55-63.

A vote of thanks was given to the retiring President by Christine Lambkin.

Any other business:

1. A reminder was given to members about the Student Award. No nominations have been presented so far.
2. Next meeting will be held on Tuesday 10th April (the 9th being Easter Monday) and Steve Cameron will give a presentation on "Insect Evolutionary Genomics"
3. Members were informed that Council is considering changing dates for meetings, in order to make possible to people interested in both events to attend the almost simultaneous monthly Queensland Herbarium seminars at the Mount Coot-tha Botanic Gardens.



NOTICE OF NEXT MEETING

Tuesday 10th April 2012, 1pm

~

Dr Stephen Cameron (QUT)

speaking on

Insect Evolutionary Genomics

Abstract : Ever decreasing costs have made genome-scale evolutionary biology possible for systematic entomology. My research has focused on mitochondrial genomics of insects – applying genome data sets to answer systematic questions and using insect model systems to understand genome function. Research on insect interordinal relationships and into lice as a model system for investigating genome evolution will be presented.

~

Seminar Room 1

Ground Floor, Ecosciences Precinct
Boggo Road, DUTTON PARK

More venue details available at

<http://www.esq.org.au/meetings.html>

ALL WELCOME

Introducing the New President: Geoff Thompson

My interest in insects started at school with an illustrated, grade-9 project on “The Cabbage Butterfly” and continued when my senior zoology teacher set a 20-order collection as an assignment. I am grateful to Bob Teakle, who encouraged me after seeing that first project with a tour of his research laboratory. I’ve now been working in Entomology since 1975 and at Queensland Museum for 30 years. I’ve always been

particularly interested in making images of insects, initially as an insect illustrator and more recently as a digital photographer.

My entomological employment started off as a research assistant to the late Tom Woodward at University of Queensland, Entomology Department, working on flower bugs (Anthocoridae). I collected and reared local Hemiptera and Tom sent me off to Sybil Curtis at CSIRO Long Pocket for two, one-hour lessons in scraperboard technique. With Sybil’s ongoing critique I slowly became a proper insect illustrator.



After a short period of study and work in other areas of science, I started work at Queensland Museum with Geoff Monteith in February 1982. My first week was a field trip to Kroombit Tops, near Gladstone. I remained as Geoff's assistant for nearly 25 years, following him up many a rainforest mountain. I shared in some of the joys and discomforts of his incredible collecting career, as well as helping him look after the collection among an array of other tasks.

Geoff encouraged me to continue illustrating insects and I steadily developed skills, building up a body of work. My illustrations have appeared in many books, scientific journals, posters and displays and have been used as logos, book covers and presentation pieces. Chris Lambkin and I also ran illustration workshops at UQ until Chris departed for Canberra in 2001. Later Sybil helped me run these workshops at Queensland Museum.

I was able to assist in Geoff Monteith's curation for the museum of the F.P. & A.P. Dodd Collection of Tropical Insects after it was donated by F.P. Dodd's daughters, Elizabeth and Katharine, in 1987. With museum conservators' advice I developed archival repair techniques for work on this collection.

In my long time at Queensland Museum I have been lucky enough to have two bosses who both encouraged me to develop my skills and try new things. After Geoff's retirement in 2006 I was asked by my new boss, Chris Lambkin, to build on Geoff's work and apply for funds to re-display the Dodd Collection. In 2010-2011 I curated "The Butterfly Man of Kuranda" which had successful exhibitions of six months each at Queensland Museum South Bank and at Cobb & Co. Museum in Toowoomba. This was the first time the bulk of the collection had been displayed in 15 years. The exhibition is currently on display at Museum of Tropical Queensland, Townsville.

In 2005 I was awarded a Queensland-Smithsonian Fellowship to spend 15 weeks in the USA, working mainly at the USDA's Systematic Entomology Laboratory, within the National Museum of Natural History, Washington DC. I worked closely with J. Marie Metz, then a staff illustrator there. I also visited other imaging facilities at the California Academy of Sciences, Harvard University and Roy Larimer's Microoptics laboratory in Virginia.

The digital drawing skills and knowledge about photographic systems I gained on this fellowship transformed the way I work. In 2011 they also laid the foundation for a successful application to the Atlas of Living Australia (ALA) for \$260,000 worth of new imaging equipment for Queensland Museum. Late night phone consultations with US colleagues helped me advocate the best systems available and influenced those chosen by other institutions for their ALA-funded purchases. The new Visionary Digital and Hasselblad systems are now producing wonderful images of individual type specimens and whole drawers. In addition some images are already enlivening our displays, particularly the five large screens in the foyer as detailed in the last Bulletin. All this has contributed to a change in my role and I am now officially a Scientific Imager, though currently still with many collection management responsibilities.

In my spare time since 1998 I have become a printmaker. This has increased my knowledge of how historical scientific illustrations were made and printed. I have exhibited my traditional illustrations and the etchings I do in my spare time, at many group exhibitions and three solo exhibitions:- Gladstone Regional Gallery in 2002, State Library of Queensland in 2003 and Miskin Gallery, Mt Coot-tha Gardens, Brisbane, in 2006.

I was honored to be asked to be your president and hope to serve you all as well as I possibly can.



People and Projects

News from DEEDI Entomology

On the 5th and 6th of March **Justin Bartlett** was in Knoxfield, Victoria for a psyllid identification workshop hosted by Vic DPI and presented by world psyllid authority Dr Daniel Burckhardt of the Naturhistorisches Museum Basel, Switzerland. Day one included two lectures by Dr Burckhardt covering psyllid biology and taxonomy and ended with some psyllid collecting around the DPI site. Day two was mainly spent at the microscope taking the previous days catch through keys with Dr Burckhardt being available for questions. Overall, an extremely well structured and worthwhile workshop. Justin also visited collections at Vic DPI (6 March), Museum Victoria (7 March) and ANIC in Canberra (22-23 March) to study Cleridae and borrow material for a BushBlitz funded revision of Australian *Opilo*.

NOTICES

Correction to minutes of 12 December 2011 General Meeting

In the minutes of the General Meeting of 12 December 2011, published in Volume 39, issue 9 of the News Bulletin, David Merritt and Penny Mills were listed both in Attendance and under Apologies. For the record I wish to clarify that neither David Merritt or Penny Mills were in attendance at the General Meeting of 12 December 2011.

Reported by Penny Mills

BBC wants insect stories

The BBC are currently looking for extraordinary behavioural stories involving animals between 1mm and 1ft (insects included) for a new series called "Hidden Kingdoms". They are particularly looking for stories from the rainforest. If you think you have a story relevant to the theme of the programme please contact Katrina Bradley (katrina.bradley@bbc.co.uk) of the BBC Natural History Unit.

Sourced by Penny Mills

Insect themed Cirque du Soleil production

The Canadian-based Cirque du Soleil are touring with an insect themed show entitled "OVO". According to the Cirque du Soleil website the show is "an immersion into the teeming and energetic world of insects". The Australian leg of the tour opens in Brisbane on 14 July 2012. For further details, and dates for other states, go to <http://www.cirquedusoleil.com/en/shows/ovo/default.aspx>

Sourced by Alexandra Glauert

An afternoon identifying Arctiids

What: Calling all students and collectors of Lepidoptera, and moths in particular. Bring your unnamed arctiids and see if together we can name them. A light trap will be run in the evening for those who wish to stay. If you are staying bring something for a BBQ. Extras and afternoon tea will be provided.
When: Saturday 26th May 2012 starting at 1:00pm till late.
Where: Peter Hendry's home at Sheldon
RSVP: You must book a place. Directions will be provided.

Please ring Peter on 3206 0048 between 2:00pm and 7:30 pm weekdays.

Entomological Society of Queensland 2012

\$500 Student Award

This is an award by the Society to encourage entomological research. Entries are judged by a panel of three entomologists appointed by the President of the Society. The winner will be announced at the May General Meeting and is then invited to present a summary of their research at the June Notes and Exhibits meeting of the Society.

Honours, Diploma and 4th year Degree students who received their qualification from any Queensland tertiary education institution in 2011 or 2012 may submit their entomology-based thesis or report for consideration.

Entrants need not be Society members.

These reports can be directed to the Society's Senior Vice President at the address listed on the entry form. However, please note that a hard copy of your thesis/report does not need to be submitted, and the submission of a PDF version is encouraged.

This should be emailed together with a signed copy of the completed entry form to Geoff Thompson
at geoff.thompson@qm.qld.gov.au

Closing date for submissions is Friday 13th April 2012

Student Award Sponsors:
Tropical Fruit Fly Research Group
Griffith University

Entomological Society of Queensland

2012 Student Award Entry Form

Name

Title of thesis or report

Degree

Supervisor

Date of Examiners report or grading

Return address for thesis/report (if applicable)

Signature _____ Date _____

Send a copy of your thesis/report with a signed and completed entry form to:
Senior Vice President of the Entomological Society of Queensland
by email : geoff.thompson@qm.qld.gov.au
or by mail: Geoff Thompson
Queensland Museum Entomology
PO Box 3300
South Brisbane
Queensland 4101

Title	First name
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Surname

Email

Address

postcode Date

Nominated by _____

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Entomological Society of Queensland—Receipt for payment of membership fees

Name _____ Date _____

Amount paid \$ for year/s

DIARY DATES 2011

Meetings held 2nd Monday of the month (or Tuesday if Monday is a public holiday)

MAR—Monday 12th	Lyn Cook	AGM and President's Address
APR—Tuesday 10th	Stephen Cameron	Insect Evolutionary Genomics
MAY—Monday 14th		
JUN—Tuesday 12th		
AUG—Monday 13th		
SEP—Monday 10th		
OCT—Monday 8th		
NOV—Monday 12th		
DEC—Monday 10th		

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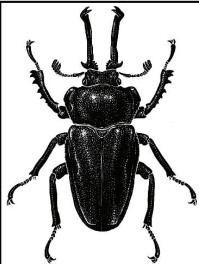
GENERAL:	Person who has full membership privileges	\$30pa
JOINT:	Residents in the same household who share a copy of the <i>News Bulletin</i> , but each otherwise have full membership privileges.	\$36pa
STUDENT:	Students and others at the discretion of the Society Council	\$18pa

Student membership conveys full membership privileges at a reduced rate.

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THE ENTOMOLOGICAL SOCIETY OF QUEENSLAND



NOTICE OF NEXT MEETING

Tuesday 10th April 2012, 1pm

~

Dr Stephen Cameron (QUT)

speaking on

Insect Evolutionary Genomics

~

Seminar Room 1

Ground Floor, Ecosciences Precinct
Boggo Road, DUTTON PARK

More venue details available at

<http://www.esq.org.au/meetings.html>

ALL WELCOME

NEXT NEWS BULLETIN

Volume 40, Issue 2 (April 2012)
due early May

CONTRIBUTIONS WELCOME

DEADLINE - Thursday April 26th, 2012

Send your news/stories/notices to the editor
(justin.bartlett@deedi.qld.gov.au)