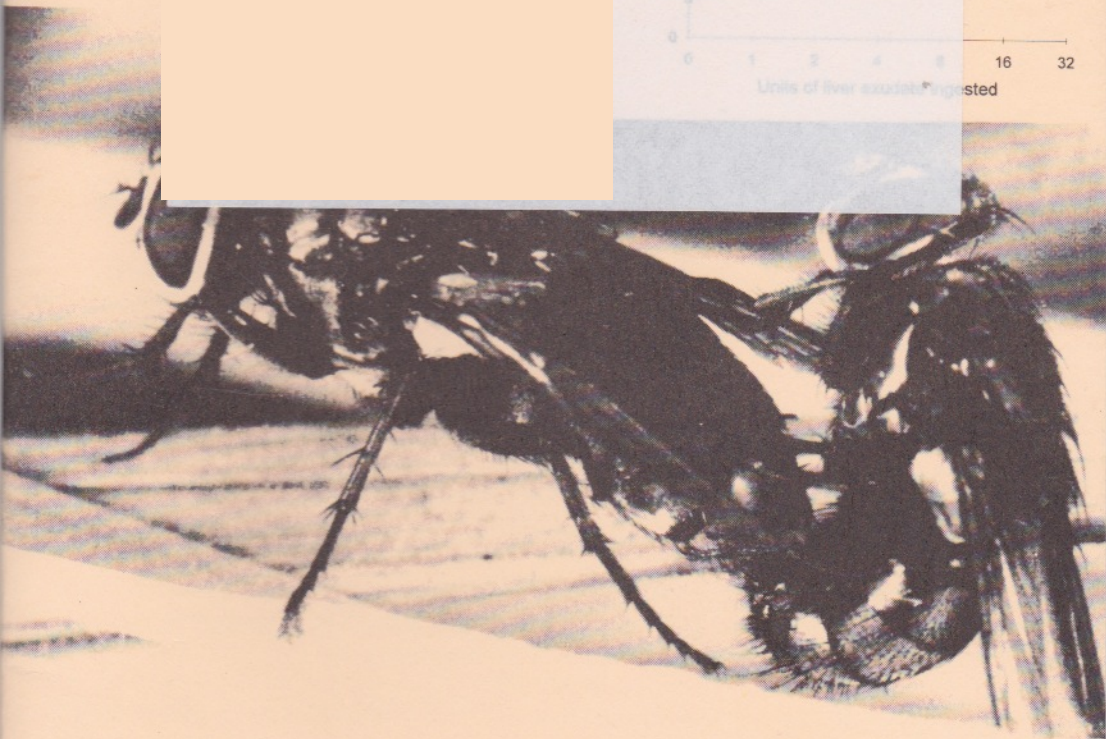
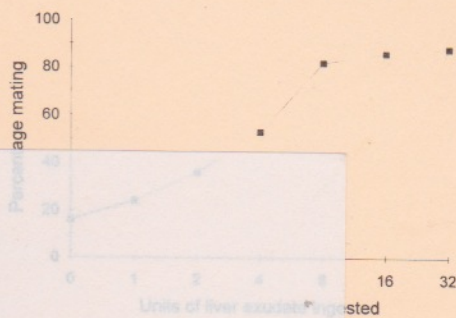




ENTOMOLOGICAL SOCIETY OF QUEENSLAND

NEWS BULLETIN



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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. Its magnificent metallic purple and green colouration make it one of the most attractive of all Australian Coleoptera. It is restricted to the rainforests of northern Queensland.

COVER

A mating pair of the sheep blowfly, *Lucilia cuprina* (Wiedemann), a major pest of sheep in Australia. Females become highly receptive to mating attempts only after ingesting protein-rich food. (Photograph by John Green, CSIRO Division of Entomology)

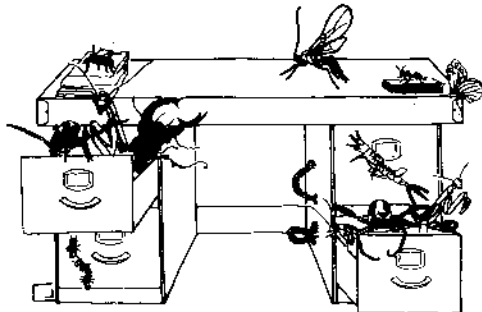


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The issue of this document does **NOT** constitute formal publication for the purposes of the "International Code of Zoological Nomenclature 3rd edition 1985". Authors alone are responsible for the views expressed.



THE ENTOMOLOGICAL SOCIETY OF QUEENSLAND

ANNUAL REPORT FOR THE YEAR 1994

The Council of the Entomological Society of Queensland presents its Annual Report for 1994.

1994 was the Society's 71st year. The highlight of the year was the celebration of the 100th anniversary of the DPI Insect Collection at our December meeting.

Attendance throughout the year at General meetings averaged 28 members and visitors. As always the June and December meetings had the highest attendance.

The Student Award of \$250.00 was presented at the June meeting to Christopher Monsour for his thesis titled "An investigation of the potential of a nuclear polyhedrosis virus for the biological control of the tobacco looper, *Chrysodeixis argentifera*".

Details of the year's activities, together with reports by the Treasurer, Convenor of the Publications Committee, and the Editor and the Business Manager of the Australian Entomologist follow.

1. Membership

During 1994 12 members joined the Society, 2 members died, 4 resigned and 9 memberships were terminated. Current membership consists of: 104 Ordinary members, 130 Country members, 20 Associate members, 16 Joint members, 2 Joint-Country members and 3 Honorary Life members. Twenty-one complementary copies of the News Bulletin are supplied and there are 2 Sustaining Associates.

2. Council Meetings

Ten Council meetings were held, attendance was as follows:

L. Barton Browne	9	R. Drew	10
E. Brough	5	D. Hancock	9
J. King	7	T. Heard	8
D. Foley	5	G. Maywald	6
P. Mackey	7	G. White	8
K. Lambkin	1	R. Raven	1

3. General Meetings

Nine General meetings were held, the Main Business of these meetings was as follows:

- Mar 13 Presidential address. Dick Drew. "Fruit flies - a case study in basic research."
- Apr 11 Mark Coombs. "Seasonality and host relationships of insects associated with oothecae of *Achimantis lotistyla*."
- May 9 Ed Rajotte. "Managing the tufted apple budmoth in fruit in NE USA."
- Jun 14 Notes and Exhibits:
Student Award presentation to Chris Monsour followed by his talk "An investigation of the potential of a nuclear polyhedrosis virus for the biological control of the tobacco looper, *Chrysodeixis argentifera*."
Mohd. Shamsudin Osman. "Lepidopteran fruit borers of durian (*Durio zibethinus*) in Malaysia."
S. Vijaysegaran. "Entomology in Malaysia."
C. Hocking. "A New technique for mounting arthropods."
David Yeates. "A larva of a scorpion fly collected at Acacia Ridge".
- Aug 8 David Walter. "Beneath biodiversity - mites, mutualism and microhabitats."
- Sep 12 Mark Walton. "Cooperative research within olive IPM."
- Oct 10 Phil Kirsch. "In a disrupted state - where are we going?"
- Nov 14 A presentation of the highlights of the Australian Entomological Society annual conference in Adelaide.
Don Sands. "Symposium: Biological control."
Tim Heard. "Symposium: Social insects."
Pat Collins. "Symposium: Managing resistance in insects."
Elaine Brough. "Symposium: The changing face of entomological education."
Tim Heard. "Report on the AGM."
- Dec 12 Centenary celebrations for the QDPI Insect Collection

ENTOMOLOGICAL SOCIETY OF QUEENSLAND
TREASURER'S REPORT
FOR YEAR ENDED 31 DECEMBER 1994

The Society had an operating surplus of \$37.27. This is despite a little over 50% of subscriptions outstanding for 1993 remaining unpaid. The Society currently has 285 members, of whom 56 have yet to pay for their 1994 subscriptions. Of these, 17 still have not paid for their 1993 subscriptions. It is hoped that most of the \$1151 owed in back dues for 1994 will be paid, otherwise the surplus will become a rather large deficit.

The cost of producing the News Bulletin decreased slightly this year, as did postage. Income from interest on bank accounts continued to fall and there was no income from advertising during the year. Card sales realized \$6. A surplus of \$125.50 accrued from the December Meeting Supper, due to a very good turnout and some cost recovery for the leftovers. A hot water urn was purchased for use at meetings.

Expenditure from the Sustaining Associates' Fund comprised a \$250 Student Award.

Despite the anticipated losses on outstanding subscriptions, the Society's financial position remains relatively sound.

D. L. Hancock
Honorary Treasurer 1994

ENTOMOLOGICAL SOCIETY OF QUEENSLAND
AUDITOR'S REPORT

I have examined the financial records and supporting documents of the Entomological Society of Queensland and find them to be kept in accordance with accepted bookkeeping practices using standard accounting principles. In my opinion the accompanying statement of Income and Expenditure for the 12 months ended 31 December 1994 together with the Balance Sheet of that date, reflect a true and fair account of the financial position of the Society.

Robert A. Judd
20 Wirilda Street, Middle Park, 4074
14 January 1995

ENTOMOLOGICAL SOCIETY OF QUEENSLAND
FINANCIAL STATEMENT
FOR YEAR ENDED 31 DECEMBER 1994

INCOME

Subscriptions 1994	3686.00
Paid Prior (in 1993)	1067.50
Dec. Meeting Supper	125.50
Christmas Card Sales	6.00
Interest: Cheque A/C	128.47
Sav. Invest.	11.71
Term Dep.	70.27

5095.45

5095.45

EXPENDITURE

Bulletin -	
Printing	2504.00
Collating	135.00
Delivery	56.43
Envelopes	300.00
Postage	915.92
Other	118.38
(Labels, etc)	
Petty Cash -	
Treasurer	89.65
Secretary	0.00
Publication	9.00
Refreshment	4.75
Federal Debits Tax	11.10
Bank charges	9.00
Aust Ent Soc Sub.	50.00
Subs Discount 1994	335.00
Subs 1993 not coll	465.00
Subs refund	2.00
Deprec. Crckry/Gls	5.00
Deprec. Urn	13.95
Costs Stationery	10.00
Costs Cards	4.00

5058.18

Surplus for year 37.27

5095.45

**ENTOMOLOGICAL SOCIETY OF QUEENSLAND
FINANCIAL STATEMENT
FOR YEAR ENDED 31 DECEMBER 1994**

LIABILITIES

Subs.- In advance 1995 877.24
 In advance 1996 71.00
 Sustaining Assoc. Fund 1781.27

2729.51

Balance 1/1/94 7938.25
 Surplus 37.27

7975.52

10705.03

ASSETS

Comm Bank Chq A/C 6216.75
 (incl. Sust. Assoc. A/C 1781.27)
 1995 Aust Ent Soc 45.00
 Sub Paid in Advance
 Comm Sav Inv A/C 928.68
 Comm Term Dep 2000.00
 Petty Cash 166.40
 Refreshment Fund 37.20
 Subs Owing 1994 1151.00

10545.03

Stock -

42 Pks cards @ \$1 42.00
 Journals (nominal) 1.00
 News Bulletins 1.00
 Index to Minutes 1.00
 Stationery 20.00
 Bulletin Envelopes 35.00
 Crockery, Glassware 5.00
 Hot water Urn 55.00
160.00

10705.03

ENTOMOLOGICAL SOCIETY OF QUEENSLAND
FINANCIAL STATEMENT
FOR YEAR ENDED 31 DECEMBER 1994

TREASURER'S PETTY CASH

Balance 1/1/94	3.60	Stationery	7.35
From General A/C	126.00	Postage	7.60
Christmas Card Sales	6.00	Suppers	70.70
		Sundries (Crockery)	4.00
		Balance	45.95
	<u>135.60</u>		<u>135.60</u>

SECRETARY'S PETTY CASH

Balance 1/1/94	9.45	Postage etc.	0.00
From General A/C	0.00	Balance	9.45
	<u>9.45</u>		<u>9.45</u>

PUBLICATION COMMITTEE ACCOUNT

Balance 1/1/94	120.00	Postage	932.05
From General A/C	915.92	Adjustment (cash)	0.02
From Treas P/Cash	7.15	Balance	111.00
	<u>1043.07</u>		<u>1043.07</u>

REFRESHMENT FUND

Balance 1/1/94	41.95	Drinks	26.35
Donations	21.60	Balance	37.20
	<u>63.55</u>		<u>63.55</u>

SUSTAINING ASSOCIATES FUND

Balance 1/1/94	1731.27	Student Award	250.00
Contributions 1994	300.00	Balance	1781.27
	<u>2031.27</u>		<u>2031.27</u>

THE AUSTRALIAN ENTOMOLOGIST

1994 REPORT

Volume 21 of the *Australian Entomologist* comprised 156 pages in 4 parts issued in June, July, September and November. An author index for volume 21 was included in part 4.

Financial Position

The number of subscriptions stands at 356, of which 98 are institutional. Subscription rates will remain unchanged for 1995.

The financial position remains sound, with an excess of income over expenditure of \$1393.26 for the year. This enables the Journal to continue subsidizing the cost of colour plates where appropriate.

Journal Content

The journal continues to provide a vehicle for short popular and scientific notes, particularly those dealing with aspects of natural history of the Australasian fauna. Longer papers are also considered where appropriate. Members are encouraged to support the Journal by submitting items of interest. During the year 27 papers and 3 book/software reviews were published. Two papers were rejected and one withdrawn. Two book reviews and 27 papers are on hand for 1995.

Management

The previous editor, Kevin Lambkin resigned during the year and the present team wishes to place on record its appreciation of his contributions to the Journal, including its evolution into its present title and format. The assistant editors continue to provide sterling support and the Journal would be virtually impossible to produce to its current high standard without their inputs. The valuable contributions made by the numerous referees, both professional and amateur, are also greatly appreciated. The current management team consists of Peter Mackey (Business Manager), David Hancock (Editor), Greg Daniels and Geoff Monteith (Assistant Editors).

David Hancock, Editor
Peter Mackey, Business Manager

AUSTRALIAN ENTOMOLOGIST
FINANCIAL STATEMENT
FOR YEAR ENDED 31 DECEMBER 1993

ASSETS

CBA cheque A/C	3570.38
UniCredit Term Deposits	11722.61
Subs. owing 1994	527.00
Page charges owing 94	650.00
Stationery	228.30

	16698.29

LIABILITIES

Subs. in adv. 95 (pd. 93)	16.00
Subs. in adv. 95 (pd. 94)	437.00
Subs. in adv. 1996	16.00
Typesetting	100.00

	569.00

EXCESS ASSETS OVER LIABILITIES

16129.29

INCOME

Subscriptions	6814.15
Page charges	4375.00
Sales	77.50
Interest - cheque A/C	91.56
- deposits	564.54
Recovered 92 page charges	
	100.00
Donation	4.00

	12026.75

EXPENDITURE

Printing	7278.00
Postage	1443.64
Stationery	364.00
Typesetting	400.00
State Gov. Tax	11.45

Subs. 1993 not paid	334.00
P.O. Box rental	39.00
Graphics	405.00
Publicity flyer	314.00
Miscellaneous	44.40

	10633.49

EXCESS INCOME OVER EXPENDITURE

1393.26

Plus BALANCE 1/1/94	14736.03

	16129.29

AUSTRALIAN ENTOMOLOGIST AUDITOR'S REPORT

I have examined the financial books and supporting documents available, excluding the minutes of meetings, of the Australian Entomologist, and find them to be kept according to accepted book-keeping practices. The statement of Income and Expenditure to 31 December 1994 together with the Balance Sheet of that date are in my opinion a true and fair account of the financial position of the journal.

Robert A. Judd
20 Wirilda Street, Middle Park, 4074
14 January 1995

ENTOMOLOGICAL SOCIETY OF QUEENSLAND NEWS BULLETIN VOLUME 22, 1994/95 EDITOR'S REPORT

Volume 22 consisted of the usual 10 issues and contained 172 pages. Production and delivery was made possible by a number of people. Rachel McFadyen and colleagues at the AFRS handled the laborious task of packaging and delivering. John Donaldson produced the labels for envelopes and provided the membership list for publication. Carol Sweatman typed the minutes of each meetings. The majority of speakers provided their talks on disk. The network of news "brokers" around the state responded promptly to endless requests for news. Jeff Sheppard at All-Clear Offset Printers maintained the same excellent service.

A ballot asking to reduce the size and scope of the Bulletin was rejected two to one although only 12% of members responded.

I will not be seeking re-election for the next term and wish the new editor all the best.

Tim Heard, News Bulletin Editor

NOMINATIONS FOR 1995/96 OFFICE BEARERS

The following nominations for members of Council have been received by the Honorary Secretary.

Position	Nominee	Nominated	Seconded
President	Elaine Brough, QDPI / CTPM	Lindsay Barton Browne	Gunter Maywald
Senior Vice- President	Judy King, QDPI	Elaine Brough	Lindsay Barton Browne
Honorary Secretary	Lynda Muir, QIMR	Judy King	Lindsay Barton Browne
Honorary Treasurer	Gunter Maywald, CSIRO / CTPM	Judy King	Elaine Brough
News Bulletin Editor	Ken Daddow, Kenmore	Lindsay Barton Browne	Tim Heard
Councillors (3 positions)	Jennifer Marohasy, QDL / CTPM / UQ	Lindsay Barton Browne	Tim Heard
	Dick Drew QDPI	Judy King	Elaine Brough
	Gordon Gordh UQ	Elaine Brough	Lindsay Barton Browne

Threatened Butterflies Listed in Recent Nature Conservation (Wildlife) Regulation

Murdoch De Baar Po Box 631, Indooroopilly 4068

Abstract

A list of butterfly species has been included in the recently passed Nature Conservation (Wildlife) Regulations, placing them under a protected status.

Discussion

The recent Queensland Nature (Wildlife) Regulation No. 474 (subordinate to the Nature Conservation Act of 1992) in effect from the 19 December 1994 should be amended such that the butterfly species are withdrawn from this regulation.

The protection -

* of species already breeding in World Heritage rainforest areas (i.e. *Danis danis syrius*, *Chaetocneme porphyropis*, *Udara tenella tenella*, *Hypochrysops theon*, *Hypochrysops apollo phoebus*, *Euschemon rafflesia alba*, *Ornithoptera priamus*, *Papilio ulysses*);

* of species that are common (i.e. *Chaetocneme porphyropis*, *Trapezites symmomus sombra*, *Allora doleschallii doleschallii*, *Danis danis syrius*);

* of species of a limited nature requiring different strategies as their environments are being stressed (i.e. *Hypochrysops piceatus*, *Argyreus hyperbius inconstans*, *Jalmenus evagoras eubulus*, *Hypochrysops apollo apollo*, *Philiris diana diana*, *Orsotriaena medus moira*);

* of species vagrant to Torres Strait but of PNG origin (i.e. *Nacaduba pactolus cela*);

* of species already protected and breeding in several National Parks with wallum (i.e. *Nesolycaena albosericea*);

* of species not known to be in danger (i.e. *Acrodipsas melania*, *Acrodipsas hirtipes*, *Allora doleschallii doleschallii*);

* of species not often seen because of cryptic habits but occurring over a large area (i.e. *Chaetocneme critomedia sphinterifera*, *Allora doleschallii doleschallii*, *Acrodipsas illidgei*, *Liphyra brassolis*, *Hypochrysops elgneri barnardi*, *Udara tenella tenella*, *Libythea geoffroy nicevillei*);

* of species with no biology data (i.e. *Hypochrysops elgneri barnardi*, *Udara tenella tenella*, *Acrodipsas melania*, *Acrodipsas hiripes*);

* of species endangered by introduced toxic vines (i.e. *Ornithoptera* species);

serves little useful purpose other than alienating genuine research. These laws are unmanageable and unworkable for rangers to police, and will terminate the input of amateur entomologists. "Amateur entomologists" includes school students, graziers, farmers, children - our future entomologists - and anyone wishing to know more about our environment.

This Regulation has been illegally passed without an open entomological forum or peer discussion on the final draft. The final draft should have been reviewed, particularly as it was always conveyed previously by Griffith University Environmental Studies general discussions, that environments would be the prime target and no further insects would be specifically protected.

Alternative Management Strategies

The Act simply makes criminals of amateurs. Proposed alternative strategies to preserve and monitor threatened species and encourage community participation are listed below.

- (a) Rural owners should be approached to preserve worthwhile pockets of interesting scrubs, heaths or biologically unusual vegetation and be provided with some explanations for preserving these parcels. Some Government funding should be provided if necessary, and the owner can act as a custodian.

Land holders should be encouraged to establish blocks of local native plant species which could act as windbreaks or shade areas and help alleviate the stigma that farmers just ruin land. Land holders would love to help contribute to the environment.

- (b) Schools should be organised to have students tend to blocks of local native plant species and if necessary coordinate with insect breeders to

supply rare species for establishment in these special plots. The educational benefits will equal the protection value of threatened species.

- (c) The public should be encouraged to plant more local species instead of such species as the toxic introduced *Aristolochia*.
- (d) Amateur entomologists should be encouraged to monitor insect populations and report unusual population fluctuations.
- (e) Authors could be approached to produce books or leaflets with advice and ideas on threatened species support and local plant/insect species promotion.
- (f) Governments should make available staff sections to assist with technical expertise and the collection/collation of amateur information. Specific fundings should be made available where necessary on an ad hoc basis.
- (g) Parcels of land with unusual biota should be purchased for National Parks to ensure their preservation, particularly where a threatened species is also involved. Strategically purchased parcels of land capable of supporting endangered species, can act as epicentres from which a species population can sustain temporary pressures which may otherwise terminate a species in part of its distribution.
- (h) Insect breeders should be encouraged to establish populations of nominated rare species from time to time as required, in order to supply re-establishment programmes.

Conclusion

We must not fall into the trap of alienating various parts of the community or make amateur scientists feel like criminals because of futile protection laws that "save" species but fail to address the environment.

The environment should be available for all to enjoy, study, support, monitor and be a part of. We can all contribute to the protection process. Fundings should be made available for specific needs such as breeder support where assistance is necessary for building up threatened populations.

The natural progression of this Act will be to look at further insects for listings. This legislation will ultimately crush amateur enthusiasm, collections and participation. Amateurs fill a shortfall of Government staff to service

environmental needs.

Collections should be encouraged as they can provide locality, diversity information, species presence or biology information. Collections are significant reservoirs of reference data when required for future assessments and needs. They have already provided invaluable information on species status, in fact, over 95% of species information has been gathered by amateurs (E.D. Edwards, pers. comm.)

Well-documented collections are national treasures which can encourage children (the future scientists) to learn about our environment.

In general in Australia, collectors of insects have not been perceived as a threat to species survival, as might be interpreted by a Regulation orientated to species protection as opposed to environmental preservation.



Entomological rodeos



PEOPLE AND PROJECTS



NEWS FROM THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH

Mosquito Control laboratory

This time of year is busy with members of the group undertaking their summerseason field work. **Tonya Watson** is well into a survey of suburban Brisbane looking for the container-breeding *Aedes notoscriptus*. Tonya's PhD project involves the ecology and vector competence of this widespread species. **Craig Jennings** has been collecting *Aedes vigilax* from various breeding grounds around Moreton Bay. **Craig and Heather Chapman** (Griffith Uni) are studying dispersal via the indirect means of genetic analyses. Craig will also be looking at the vector competence of *Aedes vigilax* as part of his PhD project.

Our new Honour's student, **Peter Ryan**, has created quite a stir in the media with his project on bats and mosquitoes. Peter is testing the hypothesis that the flying foxes from the Indooroopilly Island colony are acting as reservoir hosts for Ross River virus. Last year RRV was isolated from *Aedes funereus* in Brisbane and Peter has trapped thousands of this species at the bat colony. Everyone, especially patrons of the nearby golf course, eagerly await the results!

Brian Kay and **Lynda Muir** have just returned from Townsville where they attended meetings of dengue control researchers and checked on field sites in Charters Towers and Ravenswood. Brian has received grants to continue the work on *Aedes aegypti* surveillance and control in northern Qld. **Bruce Russell** (based at JCU) received first-class Honours for his project on the surveillance and biological control of *Aedes aegypti* in wells in Charters Towers. Bruce was awarded an APA to undertake his PhD studies which are being supervised by Brian Kay and collaborators at JCU. Bruce will continue to work on *Aedes aegypti* breeding in large containers that have not been previously studied.



NEWS FROM THE COOPERATIVE RESEARCH CENTRE FOR TROPICAL PEST MANAGEMENT

CTPM Director, **Geoff Norton**, spent most of November promoting the Centre overseas. Geoff visited Canada, USA, and the UK. He presented a number of seminars on pest management along the way.

Rob Sutherst spent a week in Beijing at the Beijing Agricultural University. He was sponsored by the Chinese Academy for Science and Technology to negotiate a joint ACIAR funded project on developing software for pest risk analysis for the China Animal and Plant Quarantine Bureau. Prospects look good for an exciting project!

Dave Holdom and **Chris Monsour** attended The Pacific Rim Conference on Biotechnology of *Bacillus thuringiensis* and its Impact on the Environment in Taipei, Taiwan. At the conference, Chris presented a paper written by himself, **Bob Teakle**, and David Holdom. The paper titled 'Conventional and transgenic Bts: A comparison of laboratory and on-plant performance' will appear in the Conference Proceedings. In the following week, Dave visited the Asian Vegetable Research and Development Centre at Shanhua, Taiwan, and the Pingtung National Polytechnic Institute, a small college in the south of the island.

Larissa Wilson attended a regional *Parthenium* strategy workshop organised by the Rolleston Landcare Group in Emerald in late November. Workshop participants included grain growers, graziers, Landcare and community groups, QDPI, QDL, Queensland Railways, agribusiness, and mining. The major outcome was the formation of a *Parthenium* Action Group with landholder membership and support from other participants. Larissa also recently visited the Institute for Horticultural Development in Melbourne and the Institute for Sustainable Agriculture in Tatura (near Shepparton). She made valuable contact with people involved in pest management research and extension in Victoria.

John Foster travelled to Canberra for a workshop on Agricultural Biotechnology and liaised with policy makers involved in drafting new legislation pertaining to the formation of a new statutory authority, the Gene Technology Authority.

Lyn Aitken went on a research trip to Bundaberg in December to talk to tomato

growers and consultants about pest management practices and their perceptions of IPM. This was part of the RIRDC funded project to review IPM programs in Australia and overseas to determine key factors affecting successes and failures.

Mark Walton (CTPM) and **Iain Kay** (QDPI, Bundaberg) have received verbal notification from the Queensland Fruit and Vegetable Growers Association that their respective project proposals will receive QFVG financial support. Both Mark and Iain are now working on their full proposals for HRDC.

John Rogers visited peanut growing areas of central Queensland during late January as part of developments for a joint Queensland/Indian project on peanut whitegrubs.

The joint CTPM and UQ Department of Entomology Seminar Series commences in March. See the times and topics in the Entomology Dept news.



NEWS FROM THE BUREAU OF SUGAR EXPERIMENT STATIONS

Liza Miller has been appointed on a project funded by the Sugar Research and Development Corporation to develop a better system for the identification of Australian canegrub larvae. She comes with an honours degree in the "Tim New stable" at LaTrobe University and will be stationed within the Entomology Dept at UQ. Liza will enrol for a Masters degree with **David Yeates** as the internal supervisor and with contributions from **Peter Allsopp** (BSES) and **Brad Congdon** (CTPM). Her first brush with sugarcane and real live canegrubs will come later this month.

The canegrub R&D program has recently been reviewed for SRDC and BSES by **Peter Pottinger**. Peter used to head the soil biology group in New Zealand's MAF, so certainly knows the intricacies and problems of whitegrub biology and control. He has spent two weeks moving through sugar areas, talking with researchers, extension officers, growers and insecticide companies to find out what is going on and what growers would like to happen. His report is awaited by the BSES canegrub team of **Peter Allsopp**, **Les Robertson**, **Keith Chandler**, **Paul Walker**, et al.



NEWS FROM THE QUEENSLAND MUSEUM

Robert Raven will participate in the Centennial (plus one season) anniversary of the Horn Expedition to Central Australia, being organised by **Alan Yen** of the Museum of Victoria. The trip will be from March 5-18.

Although spider enquiries this season seem not to be so numerous, bites from Redback spiders seem more common.



NEWS FROM THE QUEENSLAND DEPARTMENT OF LANDS

Alan Fletcher Research Station

Dane Panetta joined the Alan Fletcher Research Station in February as professional leader, replacing **Graham White** who resigned in November. Dane has twenty years experience in weed ecology. He studied the ecology of groundsel bush for his PhD at the University of Queensland. Later he worked for the Western Australia Department of Agriculture and more recently for the Land Protection Branch, Qld Dept of Lands. He has a special interest in environmental weeds.

Rachel McFadyen recently returned from a two month overseas holiday which she tells us did incorporate a little work. In Edmonton, Canada, she met with **Alex McClay** and with **Judy Myers** in Vancouver. In Trinidad, which was a little warmer she had meetings with **Cesar Garcia**, a Land's Dept entomologist based in Colombia.



NEWS FROM THE UNIVERSITY OF QUEENSLAND

Department of Entomology

Gimme Walter has taken study leave for six months during which he will visit the Philippines, Slovenia and the US. Meanwhile, **Joan Bryan** has just come back from London and Liverpool where she spent two and a half months of study leave. **Bronwyn Cribb** (ex UQ entomology) has been seconded from the Microscopy Centre on a temporary basis to teach Insect Behaviour in the department. **David Headrich**, from the University of California (Riverside) will be visiting the department in March to talk tephritids with **Gordon Gordh** and hopefully wind up a textbook on morphology the two have been working on.

Myron Zalucki was visited by **John Rogers**, **Dave Holdom** and **Peter Pottinger** from the Sugar Research and Development Corporation to discuss cane grub research as part of a review of the BSES. Myron says to watch this space. **Paul Robinson** and **Helen Nahrung** have been employed to do casual work for Myron on the Cashew project. Technical Assistant, **Matthew Foote** resigned in February to continue his studies at Rockhampton.

Greg Daniels reports his January trip to Iron range, Mt White and the McIlwraith range was a bit of a disaster with very few insects caught due to the cold and dry conditions - better luck next year Greg!

Upcoming seminars in Rm 448 at 1pm include: on the 1 March; "Gall midges: A study in Diversity" by **Raymond Gagne** from the US Dept of Agriculture, Washington and on the 15 March; "Sensory traps and the evolution of courtship behaviour in the water mite *Neumania papillator*" by **Heather Proctor** from Queen's University, Ontario. Heather's seminar, in particular, should be well attended as this will be our first opportunity to meet **David Walter's** new "better half"!

The department welcomes several new students and old students embarking on higher degrees. **Miriam Acda** from the Philippines, **Daren Alseemgeest** and **Paul Robinson** have enrolled for the Diploma of Science, **Andrew Loch** has commenced his Honours year under **Myron Zalucki**, **Liza Miller** has commenced her MSc under **David Yeates** and **Owen Seeman** received an APA scholarship to complete his PhD under **David Walter**. The department also congratulates **Michelle Cousineau** for being awarded her PhD on gene flow in *Aedes vigilax* and notes the departure of **D. Abeeluck** to his home country, Mauritius, following the submission of his MAgSc thesis.

Award to Dick Drew

Dr R.A.I. (Dick) Drew was recently honoured by recognition as a **Member in the** General Division of the Order of Australia (AM). The award recognises his significant contributions to entomology and fruit fly research and was announced on January 26, 1995.

Dick began work in fruit fly research within the Queensland Department of Primary Industries (QDPI) in 1967 after graduating from the University of Queensland. His early specialisation in various aspects of fruit flies led to his PhD in 1972 and culminated in his Doctor of Science awarded in 1991. In 1990 the Australian Entomological Society awarded him the Mackerras Medal for excellence in Entomology.

Dick's research initially concentrated on taxonomy and biogeography of fruit flies within the South Pacific Region but more recently has extended to species in south-east Asia and the Pacific islands.

Dick and the fruit fly research team in the QDPI entomology laboratories at Indooroopilly in Brisbane have also undertaken extensive research into biology, ecology and control of fruit flies in Queensland and south-east Asia and recently have begun work on fruit fly pest risk analyses on specific crops for the New Zealand market.

The QDPI research into formulations and methods of application of protein bait sprays for fruit fly control has been the focal point of information presented by Dick and colleagues to many growers meetings throughout Queensland in the past two years. This technique is now widely accepted and is essential for future IPM programs in horticultural crops.

In twenty-eight years of research, Dick has published extensively on many different aspects of fruit fly taxonomy, biology, ecology and control. His expertise is widely recognized in Australia, and his reputation as an authority on fruit flies in the south Pacific and Asian regions is internationally acknowledged.

Dick's enthusiasm for entomology in general and for fruit flies in particular is evident to all who know him. This award recognizes the importance of his scientific contribution.

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Doctors find a friend in maggots

By LOIS ROGERS in London

DOCTORS are rediscovering a medical treatment first identified by surgeons treating casualties from the Napoleonic wars: the healing power of maggots.

They are preparing to use the larvae of greenbottle flies to clean out dead tissue and foreign bodies from the wounds of hospital patients. Trials have shown maggots to be the most effective treatment, requiring no anaesthetic and leaving less scarring than conventional surgery.

Zoologists at Oxford University are breeding the maggots for surgeons. However, doctors accept that "maggot treatment" will be difficult to sell to patients and intend discussing how to introduce the concept at a meeting of European experts next weekend.

"We prefer to call it biosurgery rather than maggot treatment," said Dr John Church, a consultant orthopaedic surgeon.

He first became interested in the medical application of maggots when he treated a car crash victim who was found after three days in his car at the bottom of a roadside gully.

The man, a medical student, was found with swarms of maggots infesting the deep lacerations covering his face and body.

Normally such a casualty would have required surgery under general anaesthetic to cut away the dead tissue and be suffering life-threatening infection from the wounds. However, the student did not need an operation and recovered quickly after his wounds were stitched.

It is a treatment first noticed on battlefields. Injured servicemen left untended for days were found to have higher survival rates if their wounds had been infested by the grubs, which devour rotting tissue.

Next weekend's meeting of the European Tissue Repair Society will be addressed by Dr Ronald Sherman, a wound specialist from California who has used maggots on more than 100 patients.

Dr Sherman hatches his maggots in a laboratory. He bathes them in a chemical solution to sterilise them before sealing them into patients' wounds with a mixture of glue and gauze that allows oxygen penetration. Two to three days later the maggots, having grown from 1mm to almost 1cm, are peeled off with the dressing.

Mr Harold Taylor, a 73-year-old patient of Dr Sherman, underwent five months of successful maggot treatment for diabetes-induced gangrene of the leg.

"Once in a while you do feel gnawing or scratching, but it didn't bother me," he said.

The Sunday Times

The **ENTOMOLOGICAL SOCIETY OF QUEENSLAND**, since its inception in 1923, has striven to promote the development of pure and applied entomological research in Australia and particularly in Queensland. Membership is open to anyone interested in Entomology. 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 in the Entomology Department, University of Queensland at 8.00 p.m. on the second Monday of the month (March to June, August to December each year). Visitors and prospective members are welcome. Membership is open to anyone interested in entomology. Membership information can be obtained from the Honorary Secretary or other office bearer.

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 of the Australian region, including New Zealand, Papua New Guinea and islands of the south-western Pacific. The journal is published in 4 parts annually.

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Associate Membership conveys full membership privileges except the right to vote on the conduct of the affairs of the Society, to hold office and to nominate new members.

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NOTICE OF NEXT MEETING

The next meeting of the Entomological Society of Queensland will be held at 6:30 pm on **Monday 13 March 1995** in room 324 Hartley Teakle Building, University of Queensland. This will be the:

Annual General Meeting

with

Election of office bearers

and the

Presidential address

(To feed or not to feed-Lindsay Barton Browne)

Refreshments will be served before the meeting at 6:30 pm, with the meeting commencing at 7 pm. Visitors are welcome.

Note the change of time