

Australian Entomological Society



News Bulletin

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AUSTRALIAN ENTOMOLOGICAL SOCIETY

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EXECUTIVE REPORT

Meetings

The Executive met on July 28, August 31st and September 15th, 1982.

Membership

Since the last report and a complete revision of the Membership list, 12 members have been elected. Total membership now stands at 654 and the geographical distribution is as follows:

QLD	144	VIC	83	TAS	25
NSW	142	SA	55	NT	12
ACT	93	WA	34	Overseas	62
				Address unknown	4

New Members

We extend a warm welcome to the following members:

Elected July 28, 1982

- Mr A. Alishah, Faculty of Agricultural Science, University of Tasmania, GPO Box 252C, Hobart, TAS. 7001. Mr Alishah is a postgraduate student interested in insect ecology, especially crop protection. Previous experience in Pakistan with the National Fertilizer Corporation (field agronomist) and with Burmah Shell Ltd (entomologist).
- Miss D. Davis, 17 Banool Av., Kew, Vic., 2001; Miss Davis is a Scientific Officer with the Australian Wheat Board and is interested in grain storage insects and insect acoustics.

Elected August 31, 1982

- Mr S.A. Brousek, 20 Allenby Road, Rossmore, NSW, 2171. Stephen is a postgraduate student in Frankfurt, Germany working on neurophysiology. Stephen hopes to return to entomology in Australia soon.

- Mr R. Dallwitz, CSIRO Entomology, P.O. Box 1700, Canberra City, ACT, 2601. Richard is an Experimental Officer with the Division, interested in insect dormancy and evolutionary biology.
- Dr R.E. Jones, Zoology Department, James Cook University, Townsville, QLD, 4814. Rhondda is a Lecturer at the University with diverse interests. These include chironomid ecology, bushflies, butterfly ecology and behaviour, and cotton entomology.
- Mr J.A. MacDonald, 25 Kooloona Crescent, West Pymble, NSW, 2073. John is at the McMaster Laboratory and is interested in insect biology and taxonomy.
- Mrs C.H. Miller, 6A Bridge St., Lane Cove, NSW, 2066. Cathy is currently an Honours degree student working on the bee project at the Royal National Park, Sutherland. She is interested in systematic entomology.
- Mr G.I. Thompson, 162 Cracknell Rd, Tarrigindi, QLD, 4121. Working at the Queensland Museum, Geoff is especially interested in taxonomic illustration.
- Dr M.P. Zalucki, 204 Nemies Rd, Runcorn, QLD, 4113. Myron is the Lecturer in Insect Ecology at the Queensland University; interests include population ecology and management. Publications relating to these interests and their association with butterflies.

Elected September 13th, 1982

- Mr C.E. Aston, Department of Statistics, I.A.S., Australian National University, Acton, ACT, 2601. Mr Aston is a Ph.D. candidate at the ANU and is mainly interested in Lepidoptera. He is one of the 'cooperatives' of the Australian Museum.
- Mr J.H. Dove, Sugar Industry Research Institute, Reduit, Mauritius. Harold is head of the Entomology Section (M.S.I.R.I.). Interests relate to pests of sugar cane, potatoes and maize.

- Mr D.G. Giltrap, 132 Archer St, Roseville, NSW, 2069. David is a post-graduate student at the University of Sydney working on trapping methods and population ecology. He is involved in leaf litter sampling with the Australian Museum.

Resignations

It is with regret that the Executive accepts the resignation of the following two members: Professor G.F. Edmunds (USA) and Mr N. Hassan (VIC).

Deaths

The deaths of the following members have been recorded.

Dr J.R.T. Short of Canberra and Mr V. Salanitri of Brisbane.

Changes of address

AUSTIN, A.D., Commonwealth Institute of Entomology, Department of Entomology, British Museum of Natural History, Cromwell Road, London SW7 5BD, England (SA).

Technical Services Officer, F & B Chemicals Pty. Ltd., PO Box 239, Eastwood. NSW, 2122 (NSW).

MISSING MEMBERS

Would anyone knowing the present address of the following members please inform the News Bulletin Editor at his address inside the front cover.

- Mr M.B. Debowski (formerly of Winterford, W.A.)
- Mr N. Hardy (formerly of O'Connor, A.C.T.)
- Mr P.J. Deighton (formerly of Tamworth, NSW)
- Dr J.H. McDonald (formerly of Monash Univ., Vic.)

REGIONAL NEWS

AUSTRALIAN CAPITAL TERRITORY

CSIRO Division of Entomology

The Division was saddened by the recent death in Sydney on 24th September of S.W. (Bill) Bailey, formerly head of the CSIRO Stored Grain Research Laboratory. Bill retired from CSIRO in 1980 and until recently had been a frequent visitor to the Division.

Also, in the field of stored grain, David Evans has succeeded Bruce Champ as Section Head. This will allow Bruce to return to full-time research but presumably shackle David with the doubtful pleasures of administration.

Dr Ebbe Schmidt-Nielsen from Dept. of Entomology Zoological Museum, University of Copenhagen has accepted an offer of appointment to the position formerly held by Ian Common, in charge of Lepidoptera at the ANIC. He expects to arrive in early October.

On 18th August, the Division conducted an Electrophoresis Workshop. Electrophoresis is becoming an increasingly important and valuable tool to separate and distinguish enzymes, proteins and nucleic acids and is finding wide use in biochemistry, genetics, recombinant DNA studies and taxonomy. The Workshop discussed the techniques, advantages, disadvantages and problems associated with its use.

The ABC reports that the recent TV program "Encounter Underground", featuring bulldog ants, Nothomyrmecia and various divisional personalities, was the top scoring program among ABC and commercial productions for the week of its screening. The viewing audience was 12% in Melbourne and 10% in Sydney, which is high for ABC natural history programs.

Recent short term visitors have included Ian Galloway (D.P.I. Brisbane) to look at tiny wasps and Harley Rose and final year students from Dept. of Plant Pathology and Agricultural Entomology, University of Sydney to learn about what actually goes on in the Division. Also Ian Common has made several pilgrimages down from Toowoomba to see various people and transport equipment back. A

longer term visitor is John Doyen from the University of California Berkeley who is here for 11 months and who will be working with John Lawrence on comparative morphology and classification of Australian Tenebrionidae (Coleoptera).

With the advent of warmer weather, field work for ANIC personnel has begun and the first trip was by Dave Rentz and Andrew Calder to sample the fauna in the south-west of W.A.

Tom Weir
Johnathan Banks

VICTORIA

La Trobe University, Department of Zoology

Dr Wijesiri Danthanarayana has just returned from a period of 8 months outside studies, spent initially at the Tea Research Institute of Sri Lanka and later at Texas A & M University. In Sri Lanka he worked on biocontrol of the tea live-wood termite using the entomogenous nematode *Heterorhabditis* sp. obtained from Dr Robin Bedding. It was found possible to obtain 100% termite control by applying 40ml of 4-8000 worm suspension to each colony by syringe. This project is to be continued by TRI entomologists. In Texas, he reviewed biocontrol of cotton pests by Prof. Winfield Sterling and his group. Dr Dan. visited a number of universities in Sri Lanka and the USA, and gave seminars at TRI, Peradeniya University, Texas A & M University and the University of Hawaii, Manoa.

University of Melbourne, Department of Genetics

Dr Lars Sawedal, University of Lund, is visiting the Department in late October/early November to collect *Tanytarsini* (Chironomidae), and will join Jon Martin for field work. Professor Jean David, C.N.R.S., Gif-sur-Yvette is visiting for consultation on Oct. 28/29.

National Museum of Victoria

Elizabeth Matheson has recently retired from the Dept. of Entomology, after a period of 34 years curating in the Dept.

Miss Kathy Yule has been appointed as a temporary replacement. She is a Monash postgraduate and has just completed a Master's thesis on Plecoptera. Dr Natasha Strommer is at present examining Nabidae in the Department. Dr Shelley Barker recently visited to examine Buprestidae.

Plant Research Institute, Burnley

Professor Bill Ruesink has now returned to Illinois after his very successful time at Burnley. Dr Ian McLean has been appointed as a Scientific Officer and will be involved with management of pest modelling systems.

Recent visitors to P.R.I. have included Dr Derek Maelzar from the Waite Institute and Dr Derek Russell from D.S.I.R., Auckland.

Garry McDonald, Mark Smith and Janet Comery visited research establishments at Millicent, Narracoorte, Turretfield and Northfield in S.A., to inspect work on pests of rapeseed and fieldpeas and plan co-operative work with S.A. Dept. of Agriculture entomologists.

Peter Williams will be visiting centres of stored products research in U.S.A., Canada, U.K., France, Germany, Switzerland and Israel during October and November.

Tim New
Gordon Berg

TASMANIA

The Entomology Division recently lost its Chief, Bob Hardy who has now been appointed Chief of the new Division of Fruit and Ornamentals. Bob has done a lot for entomology in this State and will be sorely missed.

The inaugural annual dinner of the Tasmanian section of the Society was held on 21 August. It was a great success with a turnout of 50% of the membership.

Laurie Miller is presently on tour in Europe. He has just addressed the 21st International Horticultural Congress at Hamburg on the control of black vine weevil with insect parasitic nematodes,

as well as displaying a poster on biological control of currant borer moth in blackcurrants. He then went on to address the IIIrd International Colloquium on Invertebrate Pathology at Brighton on the development of a commercial scale use of the insect parasitic nematode, *Neoaplectana bibionis*, to control currant borer moth. While at Hamburg, he was invited by some Italian delegates to give a lecture on his work at the University of Bologna.

Rod Brieze-Stegeman

SOUTH QUEENSLAND

Department of Primary Industries

Ian Galloway spent 2 weeks at ANIC, Canberra, in October, and then a fortnight visiting the S.A. Museum, National Museum of Victoria and Australian Museum in November. This was in connection with his ABRS-funded revision of the genus *Scelio*, an important genus parasitising eggs of grasshoppers.

John Turner visited the Torres Strait Islands in October as part of his familiarisation with critical areas he covers under his new quarantine duties.

Entomology Department, University of Queensland

Gordon Hooper departs at the end of November to spend two years at the International Atomic Energy Agency's installation in Vienna. In his absence Elizabeth Exley will assume headship of the Department.

Reg Chapman and Elizabeth Bernays, authorities on insect feeding responses from London's Centre for Overseas Pest Research, were lured in from holidays in Brisbane to give a seminar to a packed audience in late October. Elizabeth is a former graduate of the Department.

Alan Fletcher Research Station

Prickly pear continues to crop up in unlikely places. Graeme Donnelly visited the Barrier Reef cay, Masthead Island, in November to release cactoblastis moths against an infestation which has developed there in recent years.

Queensland Museum

Congratulations to Ted Dahms on gaining his M.Sc. from the University of Queensland for his thesis revising the genus *Melittobia*, a cosmopolitan genus of highly polymorphic wasp parasites.

Robert Raven has been awarded a 2 year CSIRO Post-Doctoral Award. He will utilize it to continue his spider studies during 1983 at the American Museum of Natural History in New York and during 1984 at the Australian National Insect Collection in Canberra.

Visitors

Sebastian Endrody-Younga, a coleopterist from the Transvaal Museum, South Africa, spent several weeks collecting in S.E. Queensland during November partly with an old friend, Brisbane resident Joe Sedlacek. His interests include Clambidae and some groups of Tenebrionidae.

Yrma Lopez, from the Instituto de Ecologia, Mexico, visited Brisbane in October with Marina Tyndale-Biscoe, a fellow dung beetle worker from CSIRO Canberra. Both were taken to Tooloom Scrub for two days by Geoff Monteith to make studies on ovarian cycles of the curious leaf-eating dung beetle, *Cephalodesmius armiger*.

Geoff Monteith

NORTH QUEENSLAND

Chris Watts, from Adelaide, passed through Mareeba briefly in July. Though on his way through to the McIlwraith Range to chase rats (or was it bats?) he still found time to chat about water beetles at the DPI lab.

John Lawrence and Phil Carne, both from CSIRO Canberra, independently spent holidays in north Queensland in spring and both visited Alan Walford-Huggins at Julatten to talk beetles.

Ross Storey spent two weeks in the Darwin-Jabiru area during September collecting beetles and renewing old acquaintances.

John Turner and John Donaldson spent a week collecting leaf hoppers and fruit flies in the Kowanyama-Normanton area but found the "dry" season very much so this year.

Ross Storey

SOUTH AUSTRALIA

C.S.I.R.O. Division of Soils

Ken Lee has just been appointed Chairman of the International Committee of Soil Zoology, a subsection of the International Society for Soil Science.

South Australian Museum

Bob Domrow visited for four weeks in August to work on the Womersley collection of Mites.

Penny Greenslade has been awarded a French Government Scholarship to work on the taxonomy of Collembola in France for six months beginning in December.

Waite Institute - Entomology Department

David Cooper and Dudley Pinnock attended the 3rd International Colloquium on Invertebrate Pathology held at University of Sussex, Brighton from September 6-10. David gave a paper on "Flagellates infecting Australian blowflies" and Dudley presented a paper on "Field persistence of spores of *Bacillus thuringiensis* on leaf surfaces". Dr Cooper also visited the field station of Imperial College at Silwood Park and the N.E.R.C. virology unit at Oxford.

Derek Maelzer attended the Pest Workshop organised by D.S.I.R. in Auckland from July 20-24. He then visited Malaysia from August 4 to September 4 under the auspices of A.U.I.D.P.; whilst there he further co-ordinated the activities of entomologists and plant pathologists at Universiti Pertanian Malaysia working on insect pest and plant disease management in cocoa and cashew nut crops.

Mr M.A. Khan who recently acquired a M.Sc. in applied entomology from the University of Newcastle-upon-Tyne has joined the Department to study for a Ph.D. under the supervision of Drs D.A.

Maelzer and D.E. Pinnock. He will work on "Ecology of the Black Beetle, *Heteronychus arator* (family Scarabaeidae), and its control with pathogens".

Preparations for the new degree of Master of Agriculture (Pest Management) are well under way. The course will be given for the first time in 1983-84 starting on June 1, 1983. Brochures outlining details of the course have been sent to all relevant institutions in Australia and Southern Asia. Anybody who has not seen a brochure and wishes for information should write to: The Chairman, Department of Entomology, Waite Agricultural Research Institute, Private Bag No.1, Glen Osmond, S.A. 5064. The new Masters' course will be given mainly by the existing staff of the Department. However, Dr G.H.S. Hooper, Department of Entomology, University of Queensland, has also been invited to collaborate, and inputs will also be made by other people. One of these will be Professor Dr J. Brand, Professor of Biostatistics, Department of Biomedical and Environmental Health Science, University of California, Berkeley. He has been awarded the Hannaford Research Fellowship from the University of Adelaide to work in the Department of Entomology with Drs D.A. Maelzer and D.E. Pinnock on modelling pest/crop and pest/pathogen interactions in lucerne seed crops.

Dr Toshiya Ikeda from Tsukuba, Japan is arriving on October 7 to work with Dr F.D. Morgan on matching lipid patterns in *Pinus radiata*, *Ips grandicollis* and its introduced parasites and predators. The study is funded partially by a S.A. Forest Industries Research grant.

William Kirk a Ph.D. student from the Department of Applied Biology, Cambridge will be visiting the Institute for 6 weeks from October 20 to December 2 to work on behaviour in thrips.

Congratulations to Andy Austin now based in London at the Commonwealth Institute of Entomology, on being awarded his Ph.D. Degree on "The Biology and Ecology of *Clubiona* Species (Araneae: Clubionidae) and their Scelionid Parasitoids (Hymenoptera)".

Department of Agriculture

Dennis Hopkins left Australia on 21st September for an over-

seas tour covering U.S.A., U.K. and France. Dennis will visit the University of California at Berkeley, Davis and Riverside, the British Museum, Rothamsted Experiment Station and the CSIRO Biological Control Unit at Montpellier, France.

Geoff Furness attended the workshop held in New Zealand in July on "Development and Implementation of IPM". Geoff visited some of the horticultural crop areas while in New Zealand.

Garry McDonald, Janet Comery, Sally Walsh and Mark Smith, of the Plant Research Institute, Burnley, toured the south-east and mid-north of South Australia with Paul Madge and Greg Baker during 14-16 September to examine rape seed, field pea and lupin crops and to discuss trials associated with the management of arthropod pests of these crops.

General

A dinner was arranged for local members in August who afterwards attended a meeting on Biological Control organised by the S.A. Weeds Society. Seventeen members attended.

Ken Lee, David Lee and Penny Greenslade attended the 8th Soil Zoology Colloquium in Louvain, Belgium which was preceded by the 5th Apterygota meeting attended by Penny, followed by the International Acarology Meeting in Edinburgh attended by David. John Greenslade attended the 9th International Social Insects Meeting in Boulder, Colorado.

Penny Greenslade

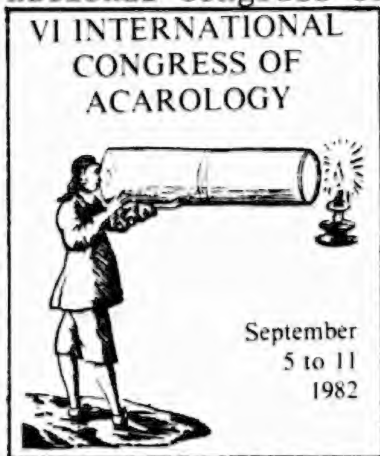
NEW SOUTH WALES

Biological and Chemical Research Institute, Rydalmere

Alan Clift attended the ninth National Mushroom Industry Conference in Perth 18th-25th September. Alan presented a paper on integrated pest control on Australian mushroom farms and visited mushroom farms in the Perth area. Half of the costs were provided by the Australian Mushroom Growers Association.

Vic Edge is holidaying in Noumea and taking the opportunity to finalise publication of results of co-operative research on resistance in agricultural mites with Luc Brun and Jean Gutierrez of O.R.S.T.O.M.

Eberhard Schicha and Steve Goodwin attended the 6th International Congress of Acarology, September 5-11 at the University of Edinburgh, Scotland. Eberhard presented a paper on "Techniques used for the taxonomy of phytoseiid mites of Australia and neighbouring areas". Steve spoke on "Laboratory evaluations of pesticides on an Australian strain of the Chilean predatory mite, Phytoseiulus persimilis" and displayed two posters on integrated pest control of the two-spotted mite, Tetranychus urticae, on roses and on ornamental plants in glasshouses.



Macquarie University

Congratulations to Ken Fairey, whose M.Sc. thesis on "Distribution and Speciation in the Genus *Pterolocera*" has been accepted by the University.

University of New South Wales

Ross Crozier and Pekka Pumilo attended the International Union for the Study of Social Insects in Boulder, Colorado in August. Ross gave a Plenary address and organised a genetics workshop. Pekka gave a paper and ran a session. Both travelled in the U.S. visiting Social insects laboratories for two weeks after that. (Presumably Antisocial insects laboratories were avoided!)

Erik Shipp and Jenny Anderson have received an Australian Wool Corporation Grant to work on blowflies and sheepstrike in the arid zone. Peter Anderson has been appointed as the Technical Officer working on the project and is stationed at the U.N.S.W. Fowlers Gap Arid Zone Research Station. He has just started an M.Sc. on blowflies and carrion. In addition, Erik has received a separate

grant from A.W.C. to continue his studies with Chris Orton on ovipositional suppressants.

Jenny Anderson and Dinah Hales (Macquarie University) are continuing to work together on the ecology and physiology of *Coccinella repanda*.

Project entomologists Jeremy Bruhl and Eric Warrant are working on respiration rates in flies and ladybirds using a data logging system developed by Erik Shipp.

Gary Levot, Erik's Ph.D. student is investigating larval blowfly growth inhibitors.

Fred Romer, a much admired Senior Technical Officer in Entomology, has retired and has been replaced by Ian Stiff.

University of Sydney

The Entomological Society of N.S.W. Workshop for Amateur Entomologists was held in the Badham Laboratories at Sydney University on 25-26 September. Harley Rose and the Agricultural Entomology students were heavily involved in organizing and running the workshop.

Murray Fletcher

NEW SOUTH WALES - COUNTRY

At present some N.S.W. country entomologists are on the move. Penny Ives of the CSIRO Cotton Research Unit at Narrabri is in North America at the moment, for holidays and to speak about the SIRATAC pest management program. Steve Goodwin, of the Horticultural Research Station at Gosford, is presently in Edinburgh pursuing his research interests - the chemical control of mites.

Gus Campbell, the N.S.W. Department of Agriculture's eucalyptus dieback entomologist at Armidale has moved laboratories, from the CSIRO Pasture Research Laboratory to the Regional Veterinary Laboratory in Armidale.

John Rand, the N.S.W. Department of Agriculture entomologist

at the Wollongbar Agricultural Research Centre has recently resigned.

Col Bower from the Agricultural and Veterinary Research Centre at Orange visited New Zealand in July to attend the Australasian Workshop on Development and Implementation of Integrated Pest Management. The meeting was convened by the DSIR Entomology Division and held at Mt Albert Research Centre Auckland. The expenses of his visit were met by the Orange district fruit growers.

Robin Gunning

NORTHERN TERRITORY

Department of Primary Production, Agriculture and Stock Entomology Section

Ms Barbara Pope, an Honours graduate from Griffith University has enrolled for a Ph.D. with that University to work on the ecology of white rice stem borer under the supervision of Dr Ian Cook.

Agricultural Quarantine Service Section

Gerrit van de Klashorst, Consultant to Plant Quarantine Canberra, visited Darwin for a week in July as part of an Australia-wide survey of quarantine implications of cut flower imports. Larvae of exotic tortricids intercepted in orchid flowers from Singapore are of particular local concern.

Mick Catley of Plant Quarantine, Canberra, was surprised to find himself briefly in Launceston while travelling from home base to Alice Springs in August. His intended Canberra-Melbourne-Adelaide-Alice route was disrupted when fog temporarily closed Tullamarine airport. Mick eventually rendezvoused with Ted Fenner who had flown in from Darwin, and they looked briefly at plant quarantine operations in the Centre and later at Gove in northeast Arnhem Land.

N.T. Department of Health, Medical Entomology Section

Peter Whelan is currently involved in the planning and invest-

igation into rectifying the major mosquito breeding swamps around Darwin and the satellite city of Palmerston. Geoff Davis, Wendy Kelton and Kevin Hodder will be conducting *Aedes aegypti* surveys adjacent to the Queensland border in the coming wet season to ensure that the N.T. remains free of the dengue fever vector.

Northern Territory Museum of Arts and Sciences

Tony Sharley and Paul Dolin have joined the Museum to carry out a 2 year study on the emergence of insects from the natural and artificial waterbodies of the Magela Creek area, to be supervised by Dr M. Malipatil, for the Office of the Supervising Scientist.

Ross Storey (D.P.I., Mareeba) called in at the Museum briefly to examine the dung beetle collection.

M.B.Malipatil
N.T.Bulletin Correspondent



The new Northern Territory Museum, opened September 1981

NEWS FROM PAPUA NEW GUINEA

Jan Greve attended the last meeting of the Shipping and Container Disinfestation Working Party in Canberra in August and had discussions with personnel from CSIRO Entomology and Food Research Divisions. Recent visitors to D.P.I. (Konedobu) have been Profs. Hirashima and Kimoto together with Drs Baba, Shinonaga and Tadauchi who came from Japan to look at insect pests of crops in P.N.G. Jean Gutierrez from Orstom (New Caledonia) and Al Samuelson from the Bishop Museum (Hawaii) have also been on collecting trips here over the past two months.

Brian Thistleton and John Sutherland have returned from their leave in Europe. John was able to visit Silwood Park to talk with Prof. Way about mixed cropping systems and Brian went to Leiden where he was able to meet and talk with Prof. Lieftinck who still maintains a lively interest in dragonflies.

At the Screw Worm Fly Unit we find Phil Spradbery immersed in a full scale evaluation of SIRM against screw worm. The team is in its sixth week of dropping 300,000 sterilised flies twice per week over an area of approximately 300 square miles near Safia (Northern Province). From the recapture of females in traps it appears that the release of chilled flies is much more effective than the release of pupae - the alternative strategy under investigation.

Elaine Brough
PNG Bulletin Correspondent

AFFILIATED SOCIETIES

NOTES FROM THE ENTOMOLOGICAL SOCIETY OF NEW SOUTH WALES

Copies of the Proceedings of the workshop-symposium on "Entomological Education in the 80's", held at Macquarie University on 23 October, 1981, are now available from the Society. The price is only \$9.50 per copy. Everyone interested in the future of entomology in Australia should be conversant with the views and ideas put forward at the workshop.

The Society has had four meetings since the last News Bulletin. In July Professor Walter C. Dautermann spoke on "Entomology in North Carolina". In August and September the meetings were given over to short talks on current work by Richard Russell and Stephen Frances on Mosquito bionomics and biocontrol, Royce Holtkamp on lucerne seed crops pests, Eberhard Schicha on the taxonomy of predacious phytoseiid mites, Doug Rugg on cockroaches, Max Moulds on cicadas, Alan Clift on integrated pest management on mushroom farms and Neil Forrester on practical aspects of integrated pest control. The Society's circular, which goes to all members, always includes a summary of talks given at the previous meeting. In October David McAlpine gave a talk on insect pollination of orchids. This was illustrated by excellent slides and David had his flowering plants in pots so that we could see the plants in action.

The workshop for amateurs, held over the weekend of 25th and 26th September was a tremendous success. Nearly 60 people enrolled. The workshop was a very practical affair with talks, demonstrations and opportunity for the participants to do a little lab. work. They tried their hand at making slides and using keys. They watched Barry Moore (live) on the closed circuit T.V. system as he dissected beetle genitalia. All basics of techniques were covered from collecting and preserving specimens, searching structure, illustration and identification procedures to rearing specimens and preparation and publication of results. The workshop ended with a talk on productive projects and activities particularly suited to entomologists with limited facilities and time. The keynote of the weekend was "enthusiasm".

Courtenay Smithers

NOTES FROM THE ENTOMOLOGICAL SOCIETY OF QUEENSLAND

At this time of the year it is again appropriate to report on our year's activities. Don Sands of the CSIRO Biological Control of Weeds Unit at Indooroopilly has been our President for 1982 and the year has been most successful with attendances averaging 34 members and several visitors at each meeting. Our programme of nine meetings for the year was:

- March - Annual General Meeting for 1982. Presidential address of Ted Dahms : Thoughts of a Museum Entomologist.
- April - Address by Dr D. Elmo Hardy : The Role of Taxonomy and Systematics in Integrated Pest Management Programmes.
- May - Address by Prof. John Edman : Are Mosquitoes Gourment or Gourmand?
- June - A notes and exhibits evening with six items from members.
- August - An address by Prof. H.F. van Emden : Aphid Responses to Nutrition on Plant and Artificial Diets.
- September - An address by Dr Harry Wharton : Reflections on Malaria and Filariasis in Relation to the UNDP World Bank - WHO Special Programme for Research and Training in Tropical Diseases.
- October - An address by Dr Jonathon Majer : The Place of Invertebrates in Environmental Management.
- November - An address by Dr Rob Sutherst : Climatic Comparison in Entomology or How to Choose a Holiday Venue.
- December - A Notes and Exhibits Evening following a barbecue at the CSIRO Long Pocket Laboratory.

Neil Heather

MACKERRAS MEMORIAL MEDAL APPEAL

This appeal by the Society to raise donations to a fund to establish a biennial medal to reward research excellence in Australian Entomology is still open. Donations may be sent to the Secretary at his address inside the front cover. Names of donors will be acknowledged in the Bulletin. Those who have already contributed to this worthy fund are:

Dr P.B. Carne	Dr G.B. Monteith
Dr J.W. Evans	Dr R.J. Raven
Dr E.P. Hodgkin	Dr D.P.A. Sands
Drs A.R. & B.Y. Main	Dr & Mrs D.M. Spratt
Dr E.N. Marks	Dr R.W. Sutherst
Mr Z Mazanec	Mr K.L. Taylor
Dr R.N. McCulloch	Mr G.I. Thompson
Assoc. Prof. F.J.D. McDonald	Dr T.E. Woodward

CHINA EXCHANGE AGREEMENT

Applications are invited from scientists wishing to participate in the 1983/84 Australian Academy of Science - Academia Sinica scientific exchange program.

Intending applicants should have a specific program or project in mind, preferably one that has been developed in consultation with the institutes they wish to visit. Documentary evidence of Chinese interest and support will greatly strengthen the application.

Applications may be made for short visits (3 to 4 weeks) or for a longer term to carry out research projects or field studies. Preference will be given to proposals for visit designed to deal with topics in some detail, although proposals with broader objectives are not excluded, particularly where exploratory visits have not yet taken place.

It should be noted that problems, and delays, may arise in arranging visits to institutes not under the control of Academia Sinica. Applicants should therefore concentrate on programs in which Academia Sinica has a direct interest.

Under the terms of the agreement travel expenses to China are Australia's responsibility and expenses within China the responsibility of Academia Sinica. No stipends or allowances are paid, nor provision made for return hospitality to Chinese hosts.

Application forms and a list of the Institutes of Academia Sinica are available from the Australian Academy of Science, P.O. Box 783, Canberra City, ACT 2601. For visits in the 1983/84 financial year early application is requested, as a considerable lead time is required.

BOOK NOTICES

Proceedings of the Third Australasian Conference on Grassland Invertebrate Ecology. Adelaide, 30 Nov - 4 Dec, 1982 (edited by K.E. Lee). Price \$16.50. This publication is now available from Publications Section, S.A. Government Printing Division, 282 West Beach Road, Netley. S.A. 5037.

Evolution of the Flora and Fauna of Arid Australia. Edited by W.R. Barker and P.J.M. Greenslade. Contains 42 papers and 400pp. Price \$32.95 plus \$4.00 postage. Available from Peacock Publications, 207 Glen Osmond Rd, Frewville. S.A. 4063.

STUDENT RESEARCH AWARD 1982/1983

The Australian Entomological Society is now inviting applications for the Student Research Award 1982/1983. This Award is offered each year and is intended to encourage interest in entomology.

The successful candidate receives a small cash prize, one year's free membership of the Society, registration and accommodation at the Annual Scientific Meeting of the Society and return air fare from the student's usual place of residence in Australia. Next year the Meeting is scheduled to be held at Armidale NSW.

Eligibility:

Open to full time bona fide students. The Award will be made for the best paper reporting original entomological research conducted by the entrant prior to, or within two years of, gaining his/her first degree. It will be judged by a panel appointed by the Executive. The paper shall be in the form suitable for publication and capable of being presented to a live audience of general entomologists. The winner is expected to read his/her paper and to receive the Award in person at the Scientific Meeting held in May.

Application

Application forms may be obtained from the Secretary, Dr K.R. Brown, School of Biological Sciences F07, University of Sydney NSW 2006.

For the 1982/1983 Award, research papers should be typed and three copies should reach the Secretary no later than February 28th, 1983. The Executive reserves the right to retain one copy of the entry and to withhold the Award if in the opinion of the Panel of Referees there is no entry of sufficient merit.

LETTER TO THE EDITOR

Dear Sir,

Is "New Guinea" a dirty word?

Twice lately I have submitted manuscripts in which the general distribution was given for species of mosquitoes.

In both papers, as published, "Papua New Guinea" has been substituted where the ms stated "New Guinea", with the following effects:

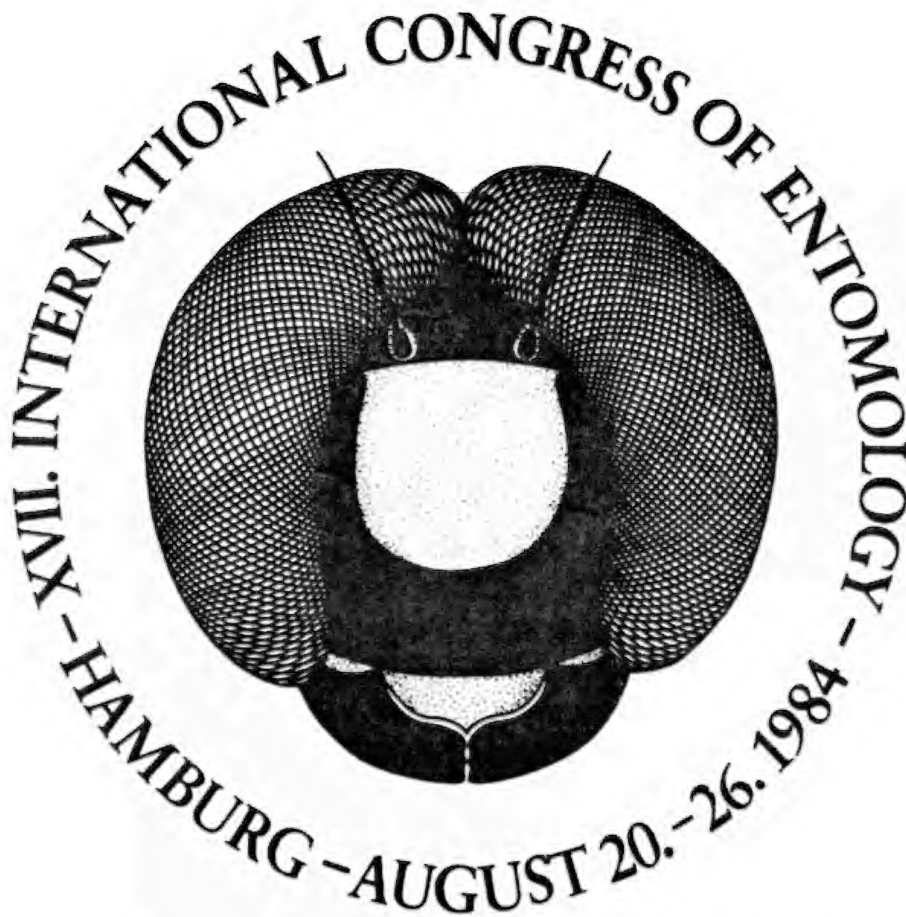
- (i) The replacement of a geographic entity, a large island, by a political entity which embraces only the eastern half of that island but extends to Bougainville in Solomon Is.
- (ii) An implication that either I am ignorant of the extensive mosquito work done by the Dutch in what is now West Irian - which is an insult to me - or that I have deliberately ignored it - which is an insult to the Dutch entomologists.

I should be interested to know whether other members have struck this problem with editors, and to hear suggestions for its solution.

Elizabeth N. Marks
(Qld. Inst. of Medical Research)

CORRECTION

In the last issue (Vol.18, No.3) we wrongly identified the young lady on the left of photograph 3 on page 56 as Faith Evans' daughter-in-law, Helen Evans. She is actually Faith's daughter, Joanna Gordon, and thus the photograph becomes more significant because it shows R.J. Tillyard plus his daughter (Faith) and his grand-daughter (Joanna). Our apologies for this mix-up.



The first announcement has been received for the Seventeenth International Congress of Entomology. It will be held in Hamburg, West Germany during the period August 20-26, 1984. Indications of intention to attend and submit papers, displays, films, etc. are required by 31st December, 1982. Enrolment cards may be obtained from most major entomological institutions in Australia, or by writing direct to:-

The Secretary,
17th International Congress of Entomology,
Zoologisches Institut der Universitat,
Abt. Angewandte Okologie/Kustenforschung,
Biologiezentrum der Universitat Kiel,
Olshausenstrasse 40/60, D-2300 Keil 1
FEDERAL REPUBLIC OF GERMANY.

COMING EVENTS

14th Annual General Meeting, Australian Entomological Society

The next Annual Meeting and Scientific Conference of the Society will be held at the University of New England, Armidale during the period May 14-18 next year. A comprehensive programme of symposia, papers and displays is being arranged for the four-day period which immediately precedes the Conference of the Genetics Society of Australia at the same venue. Full details are provided on the leaflet enclosed with this Bulletin. Enrolment forms should be returned by February 28, 1983.

10th International Congress of Plant Protection

This congress will be held at Brighton, Sussex, England from 20-25th November, 1983. An extensive programme including many entomological aspects of crop protection will be offered. Further information can be obtained from: Mrs R.A.Bishop, Frank Bishop (Conference Planners) Ltd., 144-150 London Road, Croydon. CRO 2TD. ENGLAND.

53rd ANZAAS Congress

To be held at University of Western Australia, Perth, 16-20 May, 1983. Theme: "Resources and Responsibility". Contact: Organising Secretary, 53rd ANZAAS, School of Social Sciences, W.A. Institute of Technology, Kent St., Bentley. W.A. 6102.

Ecological Society of Australia, Symposium on Ecology of the Wet-Dry Tropics.

To be held in Darwin, 15-17 May, 1983. Information from: Dr M.G. Ridpath, CSIRO, PMB 44, Winnellie. N.T. 5789.

15th Pacific Science Congress

To be held at University of Otago, Dunedin, 1-11 February, 1983. Information from: Secretary-General, 15th Pacific Science Congress, P.O. Box 6063, Dunedin, New Zealand.

OBITUARIES

HARRY BANKS WILSON B.Sc. (Hons), A.R.A.C.I., A.I.A.S. (Jan. 5, 1909 - Sept. 6, 1982)

Harry Wilson collapsed and passed away suddenly while still in the prime of retirement activities. Brought up on the goldfields of Western Australia, Harry trained as a chemist and botanist in Perth, but had to come east for his first employment, in 1932, on a junior research studentship with the C.S.I.R. Division of Forest Products in Melbourne to work on the control of *Lyctus brunneus*. After two years he became permanent, working on a range of wood pests, termites in particular. In 1939 he received a Senior Research Studentship to go to Madison, Wisconsin and Canada to study techniques for preservation of wood against insect attack. He re-



Harry Banks Wilson

joined the C.S.I.R. on his return and was immediately plunged into work of a confidential character, chiefly termite and pest control, throughout Australia for the army. In January 1946 he joined the three entomologists at the Plant Research Laboratories of the Victorian Department of Agriculture in the grounds of Burnley Gardens, but such was his reputation that a few months later UNRAA requested him to go to China to advise the Directorate of Telecommunications and train local officers on the preservation treatment of telegraph poles. During his year based at Foochow he travelled extensively and became skilled in the subtleties of the Chinese language.

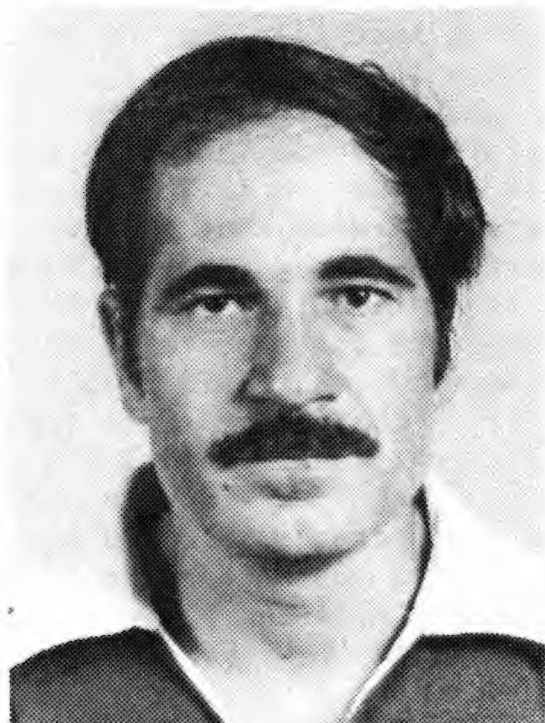
In November 1947 he rejoined the P.R.L. (now the Plant Research Institute) and remained there as an advisory entomologist until his retirement in January 1974. During that period he covered most aspects of general entomology, from locust plagues and argentine ant invasions to work on bushflies (memorable for nearly burning out the Werribee sewerage farm) and court appearances as

expert witness, as well as lectures and talks and dealing with the several thousand home gardener and public health enquiries a year, all of which he genially took in his stride, despite a failed eye operation. He was generous in sharing his expertise and encouragement with his younger colleagues. At university he became involved in field athletics, an interest he retained to the last as a coach in veteran athletics. On retirement his growing concern for the fate of the environment led him towards the Australian Conservation Foundation, where he became technical secretary on various committees and visiting speaker to schools. A big man, Harry was a firm favourite with neighbourhood children, who loved his jungle-like back garden. His main horticultural interest was Australian native orchids. He never married. He will be sadly missed by his relatives and many friends.

(L.D. Crawford, P.R.I., Burnley)

VINCENZO SALANITRI (8 Jan. 1944 - 15 May 1982)

Vince Salanitri was born in Sant Alfio, Italy, in 1944 and came to Australia with his family while a boy. They settled at Ayr in



Vince Salanitri

North Queensland. Later Vince was to be among one of the earliest intakes of students at the new Townsville University College (later James Cook University) and he graduated B.Sc. in Zoology in May 1971. He took up a position as Technician in the Zoology Department at Monash University in Melbourne where he remained until 1979. In December 1979 he commenced as a Preparator in the Queensland Museum, a position he retained until his tragic death at the age of 38 on May 15 this year. Vince had been an active member of the Australian Entomological Society since his Monash days and served as Victorian Regional Councillor in 1977-1978. He was active in the organization of Society Conferences in Melbourne in 1978 and at Surfair in 1981. He had a deep interest in mygalomorph spiders and was undertaking an M.Sc. on the sys-

tematics and biology of the genus *Stanwellia*; his work on their burrow characteristics led to his development of an affective wax casting technique.

Vince Salanitri had an enormous capacity for life. Whether the job in hand was excavating 35 gallons of solidified resin from a subterranean meat ants' nest, building a critical point drier, or stuffing a kangaroo he entered into the task with innovation and enthusiasm. His cheerfulness and gregariousness made him a social catalyst wherever he went. He is sadly missed by his wife, Joan and three children, and by his many friends in Victoria and Queensland.

(Geoff Monteith)

1983 SUBSCRIPTIONS

Subscriptions to the Australian Entomological Society become due on January 1st and should be paid using the form which accompanies this issue of the News Bulletin. Please enter your name and address, in full, on this form so that the Society can keep its records up to date and thereby ensure that you receive publications due to you. On the subscription form is also given an opportunity to order the new Directory of Australian Entomology at the special pre-publication rate of \$4.50.

Note that concessional membership rates are being offered for renewals received before March 1st. The full scale of rates is as follows:

	Normal rate	If paid before <u>March 1, 1983</u>
Full members	\$30.00	\$25.00
Student members	\$15.00	\$12.50
Retired members	\$15.00	\$12.50
Joint members	\$35.00	\$30.00

REQUESTS

Exchange of Dynastinae

Colette Voirin of Rompe-Coval, RN7, 83340 Le Luc, France, wishes to exchange specimens of Scarabaeidae, subfamily Dynastinae. She will forward a list of the species she has available to anyone interested in exchanges.

Exchange of Sagrinae

Dr. Terry N. Seeno, Department of Food and Agriculture, 1220 N Street (Room 340), Sacramento, California 95814, U.S.A. is interested in exchanging specimens of Australian Sagrinae for specimens of N. American Chrysomelidae.

SUSTAINING ASSOCIATES

Australian Entomological Supplies

Bayer Australia Ltd

CIBA-GEIGY Ltd

Cyanamid Australia Pty Ltd

Dow Chemical (Aust.) Ltd

F. & B. Chemicals Pty Ltd

I.C.I. Australia Ltd

Shell Chemical (Aust.) Pty Ltd

ADDRESSES OF REGIONAL COUNCILLORS

- QLD: Dr G.B. Monteith, Queensland Museum, Gregory Terrace,
Fortitude Valley, Qld. 4006. 'phone (07) 52 2716
- Mr R.I. Storey, D.P.I., P.O. Box 149, Mareeba, Qld. 4880.
'phone (070) 92 1555
- NSW: Dr M.J. Fletcher, BCRI, PMB # 10, Rydalmere, NSW. 2116.
'phone (02) 630 0251
- Dr R.V. Gunning, Tamworth Agricultural Research Centre,
RMB 944, Tamworth, NSW. 2340. 'phone (067) 67 9300
- ACT: Mr T.A. Weir, CSIRO Entomology, P.O. Box 1700, Canberra
City, ACT. 2601. 'phone (062) 46 4911
- Dr H.J. Banks, CSIRO Entomology, P.O. Box 1700, Canberra
City, ACT. 2601. 'phone (062) 46 4911
- VIC: Mr G. Berg, PRI, Swan Street, Burnley, Vic. 3121.
'phone (03) 810 1511
- Dr T.R. New, Zoology Department, La Trobe University,
Bundoora, Vic. 2083. 'phone (03) 479 2247
- TAS: Mr R. Brieze-Stegeman, Dept. of Agriculture, St John's
Ave, Newtown, Tas. 7008
- SA: Ms P. Greenslade, South Australian Museum, Adelaide,
SA. 5000.
- WA: Mr A. Postle, Department of Biology, WA Institute of
Technology, Hayman Rd, South Bentley, WA. 6102.
'phone (09) 350 7700

BULLETIN CORRESPONDENTS

- N.T. Dr M.B. Malipatil, Museum of Northern Territory, P.O. Box
4646, Darwin. N.T. 5794. 'phone (089) 81 6922
- P.N.G. Dr E.J. Brough, Biology Department, University of Papua
New Guinea, Port Moresby. P.N.G.

DR M.J. FLETCHER
B.C.R.I.,
PMB 10,
RYDALMERE NSW 2116



Wellcome

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Wellcome Australia Medal

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The work involved should have been carried out mainly in Australia, by a Scientist who is not a member of a commercial organization, preferably not over the age of 45 years.

Nomination forms and further information are available from the address given below.

The award will be made in mid 1983 and nominations, giving full details of the practical application of the work and background of the nominee, together with the names of two referees, should reach the address given below by 31st December 1982.

**The Managing Director,
Wellcome Australia Limited,
P.O. Box 12,
Concord NSW 2137.**

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