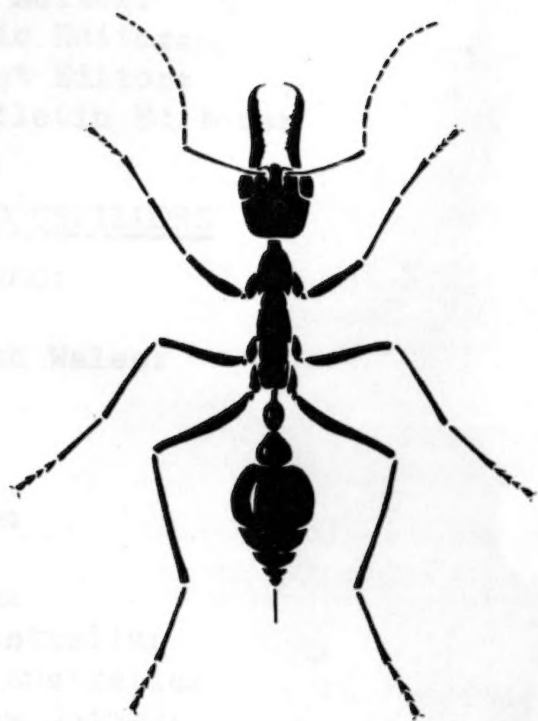


# Australian Entomological Society



## News Bulletin

Volume 15, Part 2, May 1979



ADDRESSES OF REGIONAL COUNCILLORS

- Qld. Mr. A.P. Walford-Huggins, P.O. Box 17, Molloy,  
Queensland, 4880.  
Dr. E.N. Marks, Queensland Institute of Medical  
Research, Branston Terrace, Herston, Queensland,  
4006.
- N.S.W. Mr. D.R. Smith, C.S.I.R.O. Division of Applied  
Organic Chemistry, c/o School of Zoology,  
University of N.S.W., P.O. Box 1, Kensington,  
New South Wales, 2033.  
Mr. N.W. Forrester, Agricultural Research Centre,  
R.M.B. 944, Tamworth, New South Wales, 2340.
- A.C.T. Dr. R.W. Taylor, Division of Entomology, C.S.I.R.O.,  
P.O. Box 1700, Canberra City, A.C.T., 2601.  
Dr. J.A. Harris, Canberra College of Advanced  
Education, P.O. Box 381, Canberra City, A.C.T.,  
2601.
- Vic. Dr. G. Ettershank, Department of Zoology, Monash  
University, Clayton, Victoria, 3168.  
Mr. A.A. Calder, Department of Entomology, National  
Museum of Victoria, 71 Victoria Crescent,  
Abbotsford, Victoria, 3067.
- Tas. Mrs. M.A. Williams, Department of Agriculture,  
St. John's Avenue, New Town, Tasmania, 7008.
- S.A. Mr. D. Hopkins, Department of Agriculture & Fisheries,  
Northfield Laboratories, G.P.O. Box 1671,  
Adelaide, South Australia, 5001.
- W.A. Dr. J.D. Majer, Department of Biology, W.A. Institute  
of Technology, Hayman Road, South Bentley,  
Western Australia, 6102.

P.N.G. Dr. E.J. Brough, Biology Department, University of  
Papua New Guinea, Box 4820, University P.O.,  
Papua New Guinea.

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Unfinancial Members

If your News Bulletin carries a coloured sticker then according to the Treasurer's records you were unfinancial for 1979 on 1st May, 1979. No issues of the Journal after Volume 18, Part 2, will be sent to you until your subscription is received.

EXECUTIVE REPORTMeetings:

The Executive met on 7th February and 10th May, 1979.

Membership:

Since the last Report, 18 members have been elected, and four have resigned. Total membership now stands at 587 and the geographical distribution is as follows:

NSW	128	VIC	84	TAS	24
QLD	130	SA	46	WA	22
ACT	90	PNG	20	NT	8
OVERSEAS	35				

New Members:

We extend a warm welcome to the following members:

Elected 7th February

- Dr. R.J. Lavigne, Department of Entomology, Waite Agricultural Research Institute, Glen Osmond, South Australia, 5064. Dr. Lavigne, who is Chairman of the Entomology Section, Plant Science Division in the University of Wyoming is spending sabbatical leave at the Waite. He is interested in insect behaviour, particularly Diptera : Asilidae, and in the interrelationship of insects and environment.

## Elected 10th May

## a) Membership commencing 1978

- Mr. C.H. Eisemann, 78 Bent Street, Toowong, Queensland, 4066. Mr. Eisemann has a B.App.Sc. degree and is a research student interested in insect behaviour and sensory physiology. He is studying these aspects of fruit fly oviposition for his M.Sc. programme.
- Mr. G.J. Baker, c/o Department of Agriculture, G.P.O. Box 1671, Adelaide, South Australia, 5001. Mr. Baker holds a B.Ag.Sc. degree and is a Research Officer (Entomology) working on pest management in South Australian vineyards.
- Mr. W.K. Jorgensen, Department of Entomology, University of Queensland, St. Lucia, Queensland, 4067. Mr. Jorgensen has a B.Sc. degree and is a post-graduate student interested in tick behaviour and physiology.
- Mr. N.W. Rodd, Skyline Road, Mt. Tomah via Bilpin, New South Wales, 2758. Mr. Rodd is interested in Hymenoptera with particular interest in Apoidea. He is an Associate of the Australian Museum.
- Dr. R.E. Mesibov, P.O. Box 349, Smithton, Tasmania, 7330. Dr. Mesibov is particularly interested in arachnology and myriapodology and has concentrated recently in the Tasmanian rain forest fauna.
- Mr. P.C.E. Bailey, Department of Zoology, University of Adelaide, G.P.O. Box 498, Adelaide, South Australia, 5001. He holds a B.Sc.(Hons.) degree and is currently undertaking post-graduate studies. He is interested in freshwater entomology and the biology and taxonomy of Coleoptera.
- Mrs. M.M. Harris (nee ELSON), 20 Portumna Street, Bracken Ridge, Queensland, 4017. Mrs. Harris has a B.Sc.(Hons.) degree and is working as a research assistant. She is interested in blood sucking Nematocera, especially immature stages.

## b) Membership commencing 1979

- Mr. J.A. Holt, C.S.I.R.O. Davies Laboratories, P.B., Townsville, Queensland, 4810. Mr. Holt is a B.Sc. and is interested in soil and litter arthropod ecology.
- Mr. M.S. Harvey, Department of Zoology, Monash University, Clayton, Victoria, 3168. Mr. Harvey has a B.Sc. degree and is a post-graduate student interested in Pseudoscorpionida and Scorpionida.
- Mr. G.P. Ingram, 147 Fuller Street, Narrabeen, 2101. Mr. Ingram holds a B.Sc. degree and is interested in ecology, behaviour, biological control and toxicology of insecticides.
- Mr. J. Woodward, Biochemistry Department, LaTrobe University, Bundoora, Victoria, 3083. Mr. Woodward has a B.Sc. degree and is at present undertaking post-graduate studies.
- Mr. M.G. Jefferies, 14 McAlpine Place, Farrer, A.C.T., 2607. Mr. Jefferies holds a B.Sc.(Hons.) degree and is the Chief Entomologist, Department of Primary Industry. He is interested in Diptera, particularly Asiloidea and Tabanoidea. He has worked on Glossina in Africa and with stored products insects in the United Kingdom and now Australia.
- Mr. N. McLaren, 186 Cameron Street, Wauchope, New South Wales, 2446. Mr. McLaren has a B.Sc.(Hons.) degree and is employed as a research and development officer. He is interested in crop entomology, insecticide resistance, and water beetle ecology.
- Miss V. Taefu, P.O. Box 1537, Apia, Western Samoa. Miss Taefu is working as a biological control research assistant.
- Mrs. F. Malit-Caliboso, Standards and Quality Control Division, National Grains Authority, Manila, Phillipines. Mrs. Malit-Caliboso holds a B.Sc. in Agriculture and is currently studying for an M.Sc. in Entomology. She is Chief of the Entomology Section in the National Grain Authority in the Phillipines.

- Ms. H. Tabrett, P.M.B. 17, Ayre's Rock, Northern Territory. Ms. Tabrett has a B.A.(Hons.) degree and is a ranger at Ayre's Rock with the Territory Parks and Wildlife Commission.
- Mrs. J.M. Jensen, 6/30 Grace Street, Toombul, Queensland, 4012. Mrs. Jensen holds a B.App.Sc. and is interested in collecting. She works as a casual assistant in the Entomology Branch, Department of Primary Industry at Indooroopilly.

Change of Address: (State of previous residence in brackets)

- Mr. P.J. Collins, Department of Entomology, University of Queensland, St. Lucia, Queensland, 4067 (N.S.W.)
- Mr. C. Perry, P.O. Box 145, Burnside, South Australia, 5066 (S.A.)
- Mr. J.R. Hosking, c/o Agricultural Research Centre, P.M.B. 944, Tamworth, New South Wales, 2340 (Vic.)
- Mr. D.E. Pryor, 37 Austin Street, Balwyn, Victoria, 3103 (Vic.)
- Professor J.A. Thomson, Macleay Building A12, School of Biological Sciences, University of Sydney, Sydney, New South Wales, 2006 (A.C.T.)
- Dr. R.W. Hornabrook, 27 Orchard Street, Wadestown, Wellington, New Zealand (N.Z.)
- Ms. M.K. Notestine (formerly Mrs. Winokur), Department of Zoology, University of New England, Armidale, New South Wales, 2351 (N.S.W.)
- Mr. L.R. Greenup, McKell Building, P.O. Box K220, Haymarket, New South Wales, 2000 (N.S.W.)
- Dr. M. Carver, c/o C.S.I.R.O., Division of Entomology, P.O. Box 1700, Canberra City, A.C.T., 2601 (S.A.)
- Mr. A.P. Walford-Huggins, P.O. Box 17, Molloy, Queensland, 4880 (Qld.)
- Dr. G.C. Webb, 2 Andrews Street, Eltham, Victoria, 3095 (A.C.T.)



- Dr. P.C. Nigam, Forest Pest Management Institute, 1219 Queen Street East, P.O. Box 490, Sault Ste. Marie, Ontario, P6A 5M7, Canada (Canada)
- Mr. F.G. Swindley, 119 9th Avenue, St. Lucia, Queensland, 4067 (Qld.)
- Mr. T.J. Hawkeswood, Department of Botany, University of Western Australia, Nedlands, Western Australia, 6009 (N.S.W.)
- Mr. E.S.C. Smith, L.A.E.S., Keravat, New Britain, Papua New Guinea (P.N.G.)
- Mr. J.B. Jobe, Bena Bena High School, P.O. Box 452, Goroka, E.H.P., Papua New Guinea (P.N.G.)
- Dr. K.G. Wardhaugh, C.S.I.R.O., Division of Entomology, P.O. Box 1700, Canberra City, A.C.T., 2601 (N.S.W.)
- Mr. G.R. Brown, B.C.R.I., P.M.B. 10, Rydalmere, New South Wales, 2116 (N.S.W.)
- Mr. P. Ferrar, Department of Biological Sciences, University of Lancaster, Lancaster, LA1 47Q, England (South Africa)
- Miss F.K. Pearse, 30 O'Grady Street, Clifton Hill, Victoria, 3068 (Vic.)
- Mr. R. Holtkamp, P.O. Box 720, Gosford, New South Wales, 2250 (N.S.W.)
- Dr. G.F. Bornemizza, C.S.I.R.O., Division of Entomology, "Stowell", Stowell Avenue, Hobart, Tasmania, 7000 (South Africa)
- Mr. B.C. Peters, Department of Forestry, Biology Laboratory, 80 Meiers Road, Indooroopilly, Queensland, 4068

#### Resignations:

Resignations from Messrs. A.N. Sproul, W.A. Dey, A.M. Douglas and Miss S. Harrington were accepted with regret.

A.P.M. Forests Pty. Ltd. have ceased to be a sustaining associate.

Regional Councillors

- N.S.W. Laurie Greenup and Andrew Beattie have resigned as Regional Councillors and are replaced by Donald Smith and Neil Forrester.
- S.A. Geoff Furness has resigned and has nominated Dennis Hopkins.
- Qld. The Executive has asked Pat Marks to take on the post of Regional Councillor and Pat has accepted.

Customs Regulation 13A

The President has received revised guidelines from the Department of Science and comments on them are to be sent to the Department.

Presidential Election

The result of the ballot for President is now available and will be announced at the re-convened 10th AGM which is to be held at LaTrobe University on 28th June, 1979.

ENTOMOLOGICAL NEWS AROUND AUSTRALIAVICTORIA:Plant Research Institute

Congratulations to Terry Amos on the confirmation of his promotion to Principal Entomologist. Terry has recently visited Dean Rimes and his colleagues in the Department of Agriculture, Western Australia, to discuss research projects of mutual interest.

Peter Shelden visited Sydney and Adelaide during April and May for discussions with researchers working on pests of pastures and field crops. Peter Williams visited Canberra in March to attend meetings on storage pests and hold discussions with colleagues working on stored products entomology.

Michael Nash of the University of Edinburgh, who is on sabbatical leave at the University of Tasmania, visited P.R.I. for discussions with Peter Williams on stored products research.

Richard Soper of the Boyce Thompson Institute, Cornell University, United States of America, and Dudley Pinnock of the Waite Institute visited the Insect Pathology Unit.

Norman Morgan from Long Ashton Research Station, United Kingdom will be joining the staff at P.R.I. as a visiting scientist for a year commencing in October. Norman is an expert on ULV and controlled droplet application techniques and will be working closely with Dave Morris, Ian Smith and Jim Whan.

#### Division of Building Research, C.S.I.R.O.

John French left Melbourne on 9th May for an overseas trip to the United States of America and United Kingdom for discussions with research workers studying termites and Dutch elm disease transmission by bark beetles. John will be returning to Melbourne in late July.

#### National Museum of Victoria

Ivor Lansbury was working in the N.M.V. during the latter part of March and early April. Field work with the Curator Dr. A. Neboiss in various localities in central Victoria yielded Ivor substantial collections of aquatic Hemiptera with which to work, back in Oxford.

Prof. and Mrs. Noel Hynes from the University of Waterloo, Canada spent a productive two days identifying the now substantial collections of Victorian and Tasmanian Plecoptera.

Dr. M. Littlejohn arrived with Winston Bailey on the 3rd May. Winston was particularly interested in any specimens of the Tettigoniid sub-families Saginae and the bizarre Zaprochilinae in the collections of the N.M.V., and actually found some.

Arturs Neboiss returned from the 18th annual conference of the Australian Limnological Society held at Tallangatta in northern Victoria with a collection of caddis flies taken at Darwin!

Recently the N.M.V. purchased a collection of 4,000 Lepidoptera from Mr. A.E.A. Morton. The collection was particularly well endowed with specimens from north and central Queensland.

A.A. Calder, G. Ettershank

#### QUEENSLAND:

William D. Sumlin III from San Bernadino, California visited Australia during December and January on a collecting trip encompassing all states save Tasmania. He was primarily looking for Cicindelidae for his private collection but was taking other insects for the Smithsonian Institute. Shelley Barker of the University of Adelaide came north in January to meet up with Ernie Adams of Edungalba. They were collecting Euprestidae for Shelleys present work on the Castiarina but were unable to get further north than Mt. Spec owing to the onset of heavy rain and subsequent flooding of the highway.

Ross Storey of Department of Primary Industry, Mareeba has just moved into his new house in Mareeba, he has fellow entomologist Ian Titmarsh staying with him.

The Queensland Museum team of Ted Dalms and Geoff Monteith came into the Cairns and Tableland district for a fortnights collecting over Easter. Ted was searching for Microhymenoptera and Geoff was sampling leaf litter for Aradid bugs. They visited Mt. Bellenden Ker and Julatten and planned to travel home via the Blackdown Tableland.

A. Walford-Huggins

NEW SOUTH WALES:

Peter Walker (Plant Research Institute, Victoria) visited Col Bower and Graham Thwaite at the New South Wales Department of Agriculture Research Station at Bathurst to discuss apple weevil pests.

Wal Wright (Entomologist at the Department of Agriculture, Research Station, Alstonville) is on two years long service leave.

John Rand has found a new mite pest on avocado and a new larval scarab pest of seedling tea plants on a commercial plantation on the New South Wales far north coast.

Richard Milner has just returned from a visit to South Australia where he has made a release of the introduced pathogen (Entomophthora sphaerosperma) on spotted alfalfa aphid (S.A.A.). This fungus was brought into Australia from Israel with the help of Dick Soper who has just returned to the USDA at Cornell after a three month sojourn at Armidale studying the potential of exotic fungi for control of S.A.A. Similar releases of the fungus in the field in the New England area have produced promising results.

Peter Walters and Vic Edge have both just recently spent some time in the Tamworth area carrying out bioassays and field trials on a strain of S.A.A. which has developed resistance to certain insecticides (organophosphates and one carbamate).

Lawrie Greenup resigned his position at Tamworth to take up a position as Director of Pesticides and Environmental Studies with the New South Wales Department of Agriculture. He is now located in Sydney.

Congratulations to Stuart Carins on the award of a Ph.D. by the University of New England, Armidale for a thesis entitled "Rhopaea verreauxi Blanch. (Coleoptera : Scarabeidae)".

Lyndsay Tuart (Narrabri Research Station) is about to leave on a study tour of the United States of America.

Reg Roberts from Armidale advises that a booklet entitled "Pasture Research on the Northern Tablelands of New South Wales" is to be officially released at the end of May. This booklet is edited by the New South Wales Department of Agriculture and contains chapters on insect pests by both C.S.I.R.O. and state department officers.

#### University of New South Wales

Ken Brown has recently taken up a tutorship in Biology at Sydney University and is presently completing his Ph.D. studies on "Numerical taxonomy of blowflies".

#### Sydney University

Fred McDonald currently has two Diploma of Agricultural Entomology students, Margaret Tio and John MacDonald. Both are working on projects in the area of effects of pesticides on the introduced parasites of the spotted alfalfa aphid.

#### Entomology Branch, B.C.R.I.

Dr. M.S. Chiang from Canada, Department of Agriculture, St. Jean, Quebec, visited B.C.R.I. in February to discuss plant breeding and insect resistance in crucifers with John Hamilton.

Professor J.A. McMurtry, University of California, Riverside, visited B.C.R.I. from 13th to 19th March to discuss problems related to the taxonomy, biology and ecology of the Australian Phytoseiidae. He made successful collections of predaceous mites associated with mite pests of strawberries and citrus at Gosford and apples at Bathurst.

Eberhard Schicha and Mostafa Elshafie visited Windsor, Wilberforce, Richmond and Currajong Heights on the 9th April to collect phytoseiid mites on native and introduced vegetation.

Insecticide resistance in the spotted alfalfa aphid (S.A.A.) has been recently detected in New South Wales. The levels of insecticide resistance shown by S.A.A. from Tamworth was quantified in the laboratory during April by Vic Edge, Peter Walters and Neil Forrester and are as follows, as compared to a susceptible strain:

demeton-S-methyl x 20; dimethoate x 40; thiometon x 25;  
 disulfoton x 50; monocrotophos x 10; omethoate x 10;  
 pirimicarb x 800; methamidophos x 2? and Fenvalerate x 2?.  
 No resistance was detected to chlorpyrifos-ethyl; chlorpyrifos-methyl; methidithion; diazinon; Curacron(R); methyl parathion; methomyl; endosulfan and malathion.

Field trials confirm the bioassay work. It is worth noting that resistance by S.A.A. to insecticides in California occurred two years after introduction and that in New South Wales resistance also occurred two years after introduction of S.A.A. but followed a different pattern of cross resistance to that observed in California.

D.R. Smith, N.W. Forrester

#### AUSTRALIAN CAPITAL TERRITORY:

#### C.S.I.R.O. Division of Entomology

Dick Norris retired as Associate Chief on 28th March following a long and distinguished career in entomology. He will continue association with the Division, working on the taxonomy of Calliphoridae, as an Honorary Research Fellow. In this position he joins Ev Britton, Frank Gay and Ken Key, all of whom continue to work actively as Fellows.

Dick Hughes has been appointed as an Assistant Chief, joining Drs. Lindsay Barton Browne and Phil Carne in this position.

The research programme on "Biological Control of Dung" has been subject to a recent Divisional and Australian Meat Board Committee review. Various far-flung members of the clan gathered for this, including George Bornemissza and Alan Weaving from Pretoria, South Africa; Karen Paschalidis from Athens, Greece; and Alan Kirk from Montpellier, France; along with members of the Rockhampton and Perth laboratories of the Division - Gus Macqueen, Bernard Doube, James Ridsdill Smith and John Matthiessen. In August George Bornemissza will return from South Africa to Australia to be stationed in Hobart, and Bernard Doube will replace him as Officer In Charge at the Pretoria Laboratory.

A visit to the People's Republic of China, under the Australia/China Science Agreement, is scheduled for late May and early June, and will involve Drs. Doug Waterhouse, Bruce Champ and George Rothschild, along with other Australian entomologists, Max Casimir, Gordon Hooper and Dudley Pinnock.

Construction of a new wing at the north end of the main Divisional building began during February. This is especially designed to house the National Insect Collection, its curators and staff. About 1,300 m<sup>2</sup> of floor space on two floors will accommodate the Collection, there will be 14 laboratory/offices and various storage and plant rooms. The building is scheduled for completion by mid-1980.

Ian Common, Chief Curator of the ANIC will travel overseas for about 10 weeks beginning late June. The highlight of this trip will be his delivery of the Presidential address to the Annual Meeting and Conference of the Lepidopterists' Society, in Fairbanks, Alaska. Ian will remain in Fairbanks for a week, followed by visits to Berkeley, Washington, and the British Museum (where he will spend five weeks), Stockholm and Copenhagen.



Josephine Cardale, of the Hymenoptera Section, is currently on long service leave, travelling overseas. She will spend some time in Britain, following a trans-Siberian railroad trip, before returning to Australia in August. Josephine plans to visit a number of entomologists while away.

Recent overseas visitors to the Division have included hemipterist Ivor Lansbury of the Hope Department of Entomology, Oxford University, and Dr. Bill Kamp, of the University of British Columbia, an authority on Grylloblattodea.

The Australian Academy of Science celebrated its Silver Jubilee (1954-1979) during March, with an Exhibition, Symposia, etc. Commercial productions of this event included a large wall poster featuring a Scanning Electron Micrograph of the ant, Orectognathus velutinus, originally collected in New Guinea by Dr. Peter Room, and described by Bob Taylor, along with a postcard depicting the "infamous" Nothomyrmecia.

### Death

We regret the death on 25th March, 1979, of Roderick Dobson, following a series of cerebral haemorrhages at his home in Jersey, Channel Islands. Members who knew Roderick will recall his immense enthusiasm for entomology, and particularly for the Odonata, while he lived in Australia between 1948 and 1958, and during his return visit in 1967-1968, when he lodged his collections in the ANIC, and gathered further material from Queensland and northern New South Wales.

R.W. Taylor

### TASMANIA:

The Tasmanian branch met on 3rd April to hear Dave Morris, Senior Entomologist, Victorian Department of Agriculture, speak on aspects of the Victorian contribution to the Co-operative Research Programme on Pest Management in Pome Fruit Orchards and more recent work on use of OP resistant predatory mites for control of phytophagous mites in orchards.

Department of Agriculture

Unusually warm dry weather during late summer seems responsible for the appearance of several species not commonly seen in Tasmania. These included green vegetable bug and wanderer butterfly. Cutworms have been more of a problem than usual.

During the first week of April, Dave Morris, Department of Agriculture, Victoria, spent several days in discussion with Entomologists of the Tasmanian Department.

M.A. Williams

PAPUA NEW GUINEA:

Stuart Smith reports that Brian Wood, World Oil Palm entomologist, visited LAES in Kerevat during the first week of March to consult on oil palm and cocoa insects. Stuart also tells us that he has received confirmation that the dung beetle, Onthophagus gazella, released in the Eastern Highlands last year, is now established. Also from LAES Barbara Gorrick has confirmed that Baculovirus oryctes is now established on Manus and in New Ireland. The first releases of the virus in New Britain were made at the beginning of April.

During March Wayne Gagne visited the Louisiade Islands travelling to Sudest, Rossel and Misima Is. where he collected for the Bishop Museum. Wayne also tells us that Wau Ecology Institute has recently been host to a variety of "spider people". Herbert Levi from the Museum of Comparative Zoology at Harvard has been busy collecting there. Michael Robinson has been studying the behaviour of orb weavers while his wife Barbara has been looking at the stick insects and the mantids. Yael Lubin from the Smithsonian Tropical Research Institute, has also been studying the behaviour of orb weaving species and in particular the social and subsocial weavers. Joining this group was Barbara York Main who was looking at the diversity of the representative families in the litter and soil. She was particularly interested in some cribellate genera, possibly

not recorded from Papua New Guinea but which have affinities with New Zealand. At the end of April, Barbara also visited UPNG where she assisted Elaine Brough with some citrus dwelling spiders.

Jan Greve recently visited Australia where he attended the Shipping and Container Disinfestation Working Party meeting as well as the meeting of the Stored Products Sub-Committee of S.C.A. - Entomology Committee. Terry Bourke from FAO UNDP in Western Samoa, called in at Department of Primary Industry Konedobu for consultation with Ted Fenner before going on to the Solomon Islands.

E.J. Brough

#### NEWS FROM AFFILIATED SOCIETIES

##### Entomological Society of Australia (N.S.W.)

The Society held its Annual General Meeting on 7th March, 1979. The following Officers were elected: President, Dr. A.D. Clift; Vice President, Mr. K.G. Campbell; Hon. Secretary, Dr. G.A.C. Beattie; Asst. Hon. Secretary, Mr. G.R. Brown; Hon. Treasurer, Mr. E.E. Taylor; Hon. Editor, Dr. F.J.D. McDonald; Hon. Business Manager, Mr. M. Elshafie; Councillors, Dr. E. Shipp, Mr. J. Hamilton, Mr. D. Smith and Mr. A. Ramage.

After the election of Officers for 1979 two films, "Blue Print for Survival" and "Every Care but no Responsibility" were shown.

The April meeting was held at the C.S.I.R.O. Division of Entomology's field station, Kooyong at Warrawee on Wednesday, 4th April. The meeting was well attended and participants were able to inspect most of the facilities used in the Biological Control Group's research. Literature dealing with various aspects of the research done was available and both Geoff Snowball and Gareth Lukins gave outlines of their work.

Volume 11 of General and Applied Entomology was published on 28th February, 1979. Manuscripts for Volume 12 are now invited. Intending authors are referred to "Advice to Contributors" appearing on the inside cover of Volume 11, except please send manuscripts direct to the Hon. Editor, Dr. F. McDonald, Faculty of Agriculture, University of Sydney, N.S.W., 2006.

A.D. Clift

### Insect Exchange

Dr. George Zidek, 516 N University, Norman, Oklahoma, 73069, U.S.A., wishes to correspond with members who are interested in Buprestidae and Passalidae. He has a large collection and he is interested in exchanging specimens.

### Symposium: "Insect Pests of Pastures and Field Crops" Glenormiston, 17th to 19th September, 1979

The Australian Institute of Agricultural Science is holding a symposium on important insect pests of pasture and field crops. This project, initiated by the Western Victorian sub-branch, has so far received the support and co-operation of the Victorian Department of Agriculture and of private industry. Up to 200 delegates are expected to attend.

The objective is to provide a learning situation in which participants can obtain concise, up-to-date information on:

- a) the correct field identification of pests, including recognition of typical crop and pasture damage.
- b) its life cycle and habits.
- c) brief notes on the history and distribution of the pest in South east Australia.
- d) control recommendations, including any appropriate management practices and developments such as breeding for plant-resistance, biological control, etc.

AUSTRALIAN BIOLOGICAL RESOURCES STUDYParticipatory Program

The Australian Biological Resources Study is a Commonwealth program concerned with locating, collecting, describing and classifying Australian plants and animals, and with the collection and management of data on the flora and fauna.

Funds are available to support research, collections and data processing consistent with the overall aims of the study and with priorities established from time to time by an Advisory Committee. To assist with the determination of priorities, a register of persons working on Australian plants and animals, and interested in participating in ABRS, has been established. Those wishing to register should complete a registration form giving some biographical and professional details, information on current research and an indication of area of interest should funds be provided by ABRS.

Registration Forms and further information about ABRS may be obtained from University Registrars, Museums, Herbaria and the Director, Australian Biological Resources Study, Department of Science and the Environment, P.O. Box 449, WODEN, A.C.T., 2606.

Completed Forms may be returned to the Director, ABRS at any time. However, for consideration in establishing priorities for 1979-80, forms should be returned no later than 30th June, 1979.

Australian Research Directory:

A Directory of Research Projects in the Natural Sciences and Selected Social Sciences in the Higher Education Sector.

The Australian Research Directory provides extensive information on research projects being carried out in Universities and CAE's in Australia. It is available on Microfiche only and runs to 5,000 pages - fully indexed by Key Words and Project Leaders.

The Directory lists the following information relating to 13,000 individual projects:

- University/CAE Department and Head of Department.
- Research Objectives.
- Specialized equipment/facilities.
- Project Leaders/Titles.
- Magnitude of Project in man-years of effort.
- Whether Project will be completed by 1979.

Copies of the Australian Research Directory may be obtained from C.S.I.R.O. Editorial and Publications Service, P.O. Box 89, East Melbourne, Victoria, 3002. Price: \$12.50 postage paid.

#### New Edition of the "Common Names List"

A small sub-committee, comprising representatives of State Departments of Agriculture and the C.S.I.R.O. Division of Entomology, has been appointed to prepare a new edition of C.S.I.R.O. Bulletin No. 287 (1973) "Scientific and Common Names of Insects and Allied Forms Occurring in Australia".

Proposals for amendment of, or additions to, the list have been sought from appropriate Commonwealth and State Departments and museums. The Sub-Committee would welcome proposals from entomologists who are not associated with such organizations.

Proposals for additions to the list should include for each species: order, family, genus and species, author's name (in full), established (or proposed) common name, and a brief statement justifying its inclusion in the list. The major qualifications for inclusion are economic significance, abundance, or striking appearance.

Proposals should be sent, not later than 6th July, to Dr. P.B. Carne, Convener, Common Names Sub-Committee, C.S.I.R.O. Division of Entomology, P.O. Box 1700, Canberra City, A.C.T., 2601. Copies of Bulletin No. 287 are available on request to Dr. Carne.

### Addresses Unknown

Would any person knowing the current addresses of the following members please contact the Secretary:

- Ms. P.G. Muir - formerly of Rockhampton, Queensland.
- Dr. W.W.C. Ma - formerly of St. Lucia, Queensland.
- Mr. D.S. Lester - formerly of Coogee, New South Wales.
- Mr. Thein Tan - formerly of Ashbury, New South Wales.
- Mr. D.C. Lake - formerly of Unley Park, South Australia.
- Mr. I.J. Lewis - formerly of Lismore, New South Wales.
- Mr. G. Ellis - formerly of Taroom, Tasmania.
- Mr. G. Griffith - formerly of Armidale, New South Wales.
- Mr. R. Zietek - formerly of Brisbane, Queensland.
- Mr. S. Whitelaw - formerly of Armidale, New South Wales.
- Dr. P.G. Fontana - formerly of Ottawa, Canada

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