

## APPENDIX

List of technical documents issued by the IRG Secretariat since the last Annual Report

### Working Group I

- Studies on the infesting behaviour of the Formosan termite *Coptotermes formosanus* Shiraki and its physical control by K Yamano (1983-04-08) Document No: IRG/WP/1174
- Intraspecific variability in feeding capacity of *Coptotermes acinaciformis* (Froggatt) (Isoptera: Rhinotermitidae) by C D Howick & J W Creffield (1983-03-02) Document No: IRG/WP/1175
- A selective-choice laboratory bioassay technique with *Nasutitermes exitiosus* (Hill) (Isoptera: Termitidae) by C D Howick, J W Creffield & P R Burridge (1983-02-02) Document No: IRG/WP/1176
- The study of blue stain found in coniferous timber in SR Slovenia by Ms Riana Benko (1983-02-08) Document No: IRG/WP/1177
- A new accelerated field test for termites by W Conradie & Mrs A Jansen (1983-02-21) Document No: IRG/WP/1178
- The evaluation of a survey of dry rot damages in Japan by Shuichi Doi (1983-02-23) Document No: IRG/WP/1179
- Extracellular layers of wood decay fungi and copper tolerance by Miss D M Francis & L E Leightley (1983-03-07) Document No: IRG/WP/1180
- Preliminary tests on the effect of naturally occurring chemicals on termites by N Supriana (1983-02-25) Document No: IRG/WP/1181
- A medium for mass culturing of a bamboo boring beetle *Dinoderus minutus* Fabricius by Kentaro Suzuki (1983-02-28) Document No: IRG/WP/1182
- Decay patterns observed in butylene oxide modified ponderosa pine attacked by *Fomitopsis pinicola* by Thomas Nilsson & Roger M Rowell (1983-03-30) Document No: IRG/WP/1183
- Micromorphology of *Schizophyllum commune* attack in pine (*Pinus sylvestris*) wood by Thomas Nilsson & Geoffrey Daniel (1983-04-07) Document No: IRG/WP/1184
- Formation of soft rot cavities in relation to concentric layers in wood fibre walls by Thomas Nilsson & Geoffrey Daniel (1983-04-18) Document No: IRG/WP/1185
- Tunnelling bacteria by Thomas Nilsson & Geoffrey Daniel (1983-04-13) Document No: IRG/WP/1186

- A rapid field bioassay technique with subterranean termites by C D Howick and J W Creffield (1983-03-02) Document No: IRG/WP/1188
- An in-ground natural durability test of Australian timbers and exotic reference species II. Progress report after approximately 13 years' exposure by J D Thornton, G C Johnson & I W Saunders (1983-03-02) Document No: IRG/WP/1189
- The growth and behaviour of Australian isolates of dry rot fungi, mainly *Serpula lacrymans* (Schum. ex Fr.) S F Gray. A comparison with the world literature by J D Thornton Mrs Olga Collett (1983-03-02) Document No: IRG/WP/1190
- The rôle of lignin in the nutrition of several Australian termites by L J Cookson (1983-03-02) Document No: IRG/WP/1191
- Boracol 40 - A potential remedial and preventative treatment for lyctids by J W Creffield, H Greaves & C D Howick (1983-03-02) Document No: IRG/WP/1192
- Implications for comparability of laboratory experiments revealed in studies on the variability in survival and wood consumption between colonies of *Coptotermes acinaciformis* (Froggatt) (Isoptera: Rhinotermitidae) by M Lenz (1983-03-04) Document No: IRG/WP/1193
- Implications for comparability of laboratory experiments revealed in studies on the effects of population density on the vigour in groups of *Coptotermes lacteus* (Froggatt) and *Nasutitermes exitiosus* (Hill) (Isoptera: Rhinotermitidae, Termitidae) by M Lenz, R A Barrett & E R Williams (1983-03-08) Document No: IRG/WP/1194
- Summary only of IRG/WP/1193 (1983-03-04) Document No: IRG/WP/1196
- Summary only of IRG/WP/1194 (1983-03-04) Document No: IRG/WP/1197
- Summary only. Correlation between different international standard assessment procedures with termites. 1. Field exposure by M Lenz, C D Howick, N Tamblyn, J W Creffield & M Westcott (1983-03-04) Document No: IRG/WP/1198
- An annotated list of Anobiidae (Col.) known from New Zealand by R Crabtree (1983-05-09) Document No: IRG/WP/1200
- Estimates of wood-consumption rates by termites by Nan-Yao Su & Jeffery P La Fage (1983-04) Document No: IRG/WP/1201
- Differences in feeding activity among colonies of Formosan subterranean termite, *Coptotermes formanosus* Shiraki by Nan-Yao Su & Jeffery P La Fage (1983-04) Document No: IRG/WP/1202
- Preliminary attempts towards the development of a small scale termite rearing chamber. Progress report by M Argoud, J C Palla & R Sternalsky (1983-03-10) Document No: IRG/WP/1203

- Soft rot in heartwood of preservative-treated pole stubs of *Eucalyptus cypellocarpa* L. Johnson by J E Barnacle, G C Johnson & Maureen S Tighe (1983-10-23) Document No: IRG/WP/1204
- Baiting techniques for subterranean termite control by J R J French & P J Robinson (1983-03-23) Document No: IRG/WP/1205
- Bioassays of extracts from scaly ash (*Ganophyllum falcatum* B1) against the subterranean termite *Coptotermes acinaciformis* (Froggatt) by J R J French, P J Robinson & J W Creffield (1983-03-23) Document No: IRG/WP/1206
- A preliminary assessment of the costs of termite activity in Australia: a discussion paper by J R J French (1983-03-23) Document No: IRG/WP/1207
- About the relations between the natural durability of some tropical species and their extractives contents by G R Y Déon (1983-04-05) Document No: IRG/WP/1208
- The microbial ecology of treated birch stakes in a soil-bed by C P Clubbe (1983-05-09) Document No: IRG/WP/1209
- The nature of osmiophilic particles and their distribution during different stages of brown and white rot decay by K Messner & H Stachelberger (1983-04-18) Document No: IRG/WP/1213
- On the possibilities of the use of juvenile hormone analogues (JHAs) in termite control (A preliminary note for information) by A Tadeu de Lelis (1983-04-19) Document No: IRG/WP/1214
- Laboratory tests on the residual effects of pyrethroids against termites after one year by A M F Oliveira (1983-05-02) Document No: IRG/WP/1216
- List of insects intercepted in imported timbers in Italy by Anna Gambetta Document No: IRG/WP/1217
- Minutes of the meetings held at Chevron Paradise Hotel, Surfers Paradise, Queensland, Australia during 9 - 13 May 1982 (1983-08-02) Document No: IRG/WP/1218
- Sub-group 4. Termite problems. Notes on meetings held in Surfers Paradise, Australia on 11 May 1983 (1983-08-11) Document No: IRG/WP/1219
- Sub-group 5. Insects in dry wood. Notes on meeting held in Surfers Paradise, Australia on 12 May 1983 (1983-08-12) Document No: IRG/WP/1220
- Working Group II
- Report on questionnaire: Facility for accelerated stake tests in unsterile soil by John A Butcher (1983-05-09) Document No: IRG/WP/2169

- Progress report on co-operative research project on L-joint testing by A F Bravery, D J Dickinson & M Fougerousse (1983-03-28) Document No: IRG/WP/2192
- Blue stain in timbers in service. Results of co-operative tests to compare different artificial weathering systems 1981-1982 by A F Bravery & D J Dickinson (1983-03-11) Document No: IRG/WP/2193
- Report of the status of collaborative experiments within the Sub-group (6) on Basidiomycete tests by A F Bravery (1983-01-15) Document No: IRG/WP/2194
- Biodeterioration and strength reductions in preservative treated aspen waferboard by E L Schmidt, H J Hall & R O Gertjens (1983-02-28) Document No: IRG/WP/2195
- The potential application of rapid gas-chromatographic assay of microbial respiration to the monitoring of wood decay in field trial situations by M A Line (1983-02-28) Document No: IRG/WP/2196
- Natural durability studies in an accelerated field simulator - a novel approach by G C Johnson, J D Thornton, J W Creffield & C D Howick (1983-03-03) Document No: IRG/WP/2197
- A novel technique for comparative toxicity studies of potential insecticidal wood preservatives by D J Cross (1983-05-09) Document No: IRG/WP/2198
- A technique for measuring preservative loss or redistribution during leaching by Mrs Jeanett A Drysdale (1983-03-07) Document No: IRG/WP/2199
- Comparison of decay rates of preservative-treated stakes in field and fungus cellar tests - results after 40 months fungal cellar exposure by Michael A Hedley (1983-05-09) Document No: IRG/WP/2200
- A laboratory method for assessing the effectiveness of fungicides in preventing the spread of decay fungi within packages of unseasoned timber by A J Cserjesi, E L Johnson & A Byrne (1983-04-07) Document No: IRG/WP/2202
- Rapport sur l'activité du CEN/TC 38 (in French) by Monique Pottevin (1983-05-02) Document No: IRG/WP/2204
- Soil-bed studies Part II) The efficacy of wood preservatives by P Vinden, J F Levy & D J Dickinson (1983-05-09) Document No: IRG/WP/2205
- Working Group II Sub-group 1 "Soft rot tests" by John A Butcher (1983-05-09) Document No: IRG/WP/2206
- Minutes of the meetings held at Chevron Paradise Hotel, Surfers Paradise, Queensland, Australia during 9 - 13 May 1983 (1983-07-30) Document No: IRG/WP/2207

### Working Group III

- Chemical and biological investigations of double-vacuum treated windows after 5 years in service by J Jermer, Marie-Louise Edlund & B Henningsson (1983-04-08) Document No: IRG/WP/3219
- Practical consequences of the clarification of the chemical mechanism of CCA fixation to wood by Antonio Pizzi (1983-01-14) Document No: IRG/WP/3220
- The influence of cement and calcium compounds on the performance of CCA preservatives by R J Murphy (1983-04-29) Document No: IRG/WP/3221
- Field trials of groundline remedial treatments on soft rot attacked CCA treated eucalypt poles by W S McNamara, R J Ziobro & J F Triana (1983-02-04) Document No: IRG/WP/3222
- Biological degradation resistance of wood acetylated with thioacetic acid by Satish Kumar & S C Agarwal (1983-02-14) Document No: IRG/WP/3223
- Observations on the uptake and penetration of various liquids in clear heartwood and sapwood of *Pinus radiata* D. Don. by J E Barnacle (1983-02-15) Document No: IRG/WP/3224
- A chemical and mycological evaluation of fused borate rods and a borate/glycol solution for remedial treatment of window joinery by Marie-Louise Edlund, Björn Henningsson, Aino Käärrik & Paul-Erik Dickär (1983-03-15) Document No: IRG/WP/3225
- High CCA retentions and the protection of eucalypt power poles by L E Leightley & J Norton (1983-03-04) Document No: IRG/WP/3226
- Wood preservation requirements in Queensland, Australia by L E Leightley & M J Kennedy (1983-03-24) Document No: IRG/WP/3227
- Timber preservatives and corrosion by Robin I Davis (1983-05-09) Document No: IRG/WP/3228
- A laboratory evaluation of tributyltin ethanesulphonate as an aqueous fungicide in wood preservation by R Hill & P J Smith, J N R Ruddick & K W Sweatman (1983-02-28) Document No: IRG/WP/3229
- Studies on the distribution and degradation of tributyltin naphthenate in double-vacuum treated wood by Jöran Jermer, Marie-Louise Edlund, Wollmar Hintze & Stefan Ohlsson (1983-03-10) Document No: IRG/WP/3230
- Studies on the biological improvement of permeability in New Zealand grown Douglas fir by Kevin J Archer (1983-04-21) Document No: IRG/WP/3231

- Fungicidal and termiticidal effectiveness of alkylammonium compounds by Kunio Tsunoda & Koichi Nishimoto (1983-03-01) Document No: IRG/WP/3232
- Positive dosage response of CCA in hardwood power poles to soft rot indicated from New South Wales soft rot survey data by A J Witheridge (1983-03-01) Document No: IRG/WP/3233
- Treatment of messmate (*Eucalyptus obliqua* L'Herit) by double-diffusion: Preliminary report by Kofi Ampong & Chen-Woo Chin (1983-03-02) Document No: IRG/WP/3234
- Clean creosote - its development, and comparison with conventional high temperature creosote by Chen-Woo Chin, J B Watkins & H Greaves (1983-03-02) Document No: IRG/WP/3235
- Screening results of fungicides for sapstain control on *Pinus radiata* by P Hayward, J Duff & W Rae (1983-03-03) Document No: IRG/WP/3236
- Laboratory evaluation of potential anti-sapstain treatments for *Pinus radiata* by Jeanette A Drysdale (1983-03-14) Document No: IRG/WP/3237
- A discussion of current theories concerning CCA fixation by D V Plackett (1983-05-09) Document No: IRG/WP/3238
- Presteamng radiata pine heartwood to improve treatability by Tony Bergervoet (1983-05-10) Document No: IRG/WP/3239
- Effects of a formaldehyde and sulphur dioxide treatment on decay and mechanical properties of aspen waferboard by Elmer L Schmidt (1983-03-08) Document No: IRG/WP/3242
- Laboratory fumigations to determine the minimum temperature for methyl bromide eradication of the oak wilt fungus in red oak by Elmer L Schmidt (1983-03-08) Document No: IRG/WP/3243
- CCA modifications and their effect on soft rot in hardwoods, Part 2 by Scarlette M Gray & D J Dickinson (1983-05-09) Document No: IRG/WP/3244
- Preliminary note on the fungal problem of rubber wood by R Gnanaharan (1983-03-11) Document No: IRG/WP/3246
- Laboratory evaluation of AC 217,300 as a termiticidal dust by J R J French & P J Robinson (1983-03-23) Document No: IRG/WP/3247
- Field testing of alkylammonium wood preservatives by J N R Ruddick (1983-03-28) Document No: IRG/WP/3248
- An investigation of organotin compounds in treated wood using Mössbauer Spectroscopy by J N R Ruddick & Janet K Ingram (1983-03-28) Document No: IRG/WP/3249
- Analysis of organotin fungicides in wood preservative solutions and double-vacuum treated wood by Wollmar W Hintze & Stefan V Ohlsson (1983-04-05) Document No: IRG/WP/3250

- A comparative study of some anti-splitting devices, using *Eucalyptus saligna* and hybrids of *E. saligna* X *Eucalyptus* spp poles by Flávio Carlos Geraldo & João Alberto Câmara Sodr  (1983-03-30) Document No: IRG/WP/3251
- Study on the treatment of construction timbers by diffusion methods by V R Sonti & B Chatterjee (1983-04-07) Document No: IRG/WP/3252
- Fumigation as a remedial treatment: - A review of North American literature by J N R Ruddick (1983-03-31) Document No: IRG/WP/3253
- The need for realism in wood preservation research A key address by Liam E Leightley (1983-05-09) Document No: IRG/WP/3254
- The use of bifluorides-diffusion in remedial treatments by H F M Nijman (1983-04-12) Document No: IRG/WP/3256
- Termite and decay protection - A superficial barrier field test by R S Johnstone & W D Gardner (1983-05-03) Document No: IRG/WP/3257
- Resistance to soft rot of hardwood plywood treated with CCA salt by R S Johnstone (1983-05-02) Document No: IRG/WP/3258
- Groundline treatments for poles - Wedding Bells State Forest Test Site Layout by R S Johnstone (1983-05-13) Document No: IRG/WP/3259
- Evaluation of the fire retardant efficacy and leach resistance of an amino resin fire retardant by W D Gardner, P N Alexiou & P Lind (1983-05-13) Document No: IRG/WP/3260
- Soil-bed studies (Part III) A cause of failure of multisalt preservatives following soil-bed exposure by P Vinden, J F Levy & D J Dickinson (1983-05-09) Document No: IRG/WP/3261
- Effectiveness of "Gang-Nail" plates in preventing splitting of eucalyptus poles and Brazilian hardwood sleepers by A M F Oliveira, J A C Sodr  & O B Neto (1983-06-21) Document No: IRG/WP/3262
- Wood preservation in Thailand by Apai Rananand & Ron Cockcroft (STU information nr 372-1983) (1983-06-28) Document No: IRG/WP/3265
- Wood preservation in Spain by Alejandro L pez de Roma & Ron Cockcroft (STU information nr 373-1983) (1983-07-12) Document No: IRG/WP/3266
- Minutes of the meetings held at the Chevron Paradise Hotel, Surfers Paradise, Queensland, Australia during 9-13 May 1983 (1983-07-27) Document No: IRG/WP/3267
- CCA chemistry. Letter from Dr A Pizzi to Dr D V Plackett (1983-05-10) Document No: IRG/WP/3268

## Working Group IV

- N-tritylmorpholine as a potential marine wood protectant against terinids and pholads - A preliminary evaluation by J D Bultman & K K Parrish (1983-03-01) Document No: IRG/WP/497
- Observations on the effect of two preservatives on settlement and development of the marine wood-borer *Martesia striata* L. by J E Barnacle & F F K Ampong (1983-03-02) Document No: IRG/WP/498
- IRG/COIPM International Marine Test Progress Report 15. Report of sixth inspection (60 months) in Australia by Laurie J Cookson & John E Barnacle (1983-03-23) Document No: IRG/WP/499
- Limmoria quadripunctata* Holthuis - a threat to copper-treated wood by John E Barnacle, L J Cookson & C N McEnvoy (1983-03-23) Document No: IRG/WP/4100
- IRG/COIPM INTERNATIONAL MARINE TEST. 3rd Interim Report on the effect of timber substrate on the effectiveness of different preservatives in sea-water by R A Eaton (1983-04-05) Document No: IRG/WP/4101
- IRG/COIPM INTERNATIONAL MARINE TEST. Progress Report 17. Report of fifth inspection (4 years) in Italy by Anna Gambetta & Elisabetta Orlandi (1983-04-21) Document No: IRG/WP/4103
- Minutes of the 10th Joint Meeting with the COIPM Wood Group held at the Chevron Paradise Convention Centre, Surfers Paradise, Queensland, Australia during 9 May to 13 May 1983 (1983-07-28) Document No: IRG/WP/4104
- Other Documents
- Financial statement for the year ending 31 December 1982 by R Cockcroft (1983-01-10) Document No: IRG/WP/5173
- IRG Foundation Fund Report for 1982 by Lennart Borup & Björn Henningsson (1983-03-28) Document No: IRG/WP/5176
- The twelfth report of the International Research Group on Wood Preservation 1982 - 1983 by R Cockcroft (10 April 1983) (See *BWPA News Sheet* No 172, May 1983) Document No: IRG/WP/5177
- Minutes of the Plenary Meeting held at Chevron Hotel, Surfers Paradise, Australia on Wednesday 11 May 1983 (1983-07-20) Document No: IRG/WP/5185
- List of Members and Sponsors (1983-10-10) Document No: IRG/WP/5190