

APPENDIX

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

Working Group I

- Monographic card on *Antrodia serialis* by G Seehann (1984-05-08) Document No: IRG/WP/1145
- The effects of accelerated drying of green *Pinus radiata* on its attractiveness to *Anobium punctatum* as an egg-laying site by D J Cross (1984-04-17) Document No: IRG/WP/1199
- An unusual soft-rot decay pattern caused by the Ascomycete *Hypoxylon mediterraneum* (de Not.) J. Miller by Diana M Francis & L E Leightley (1984-04-03) Document No: IRG/WP/1222
- Patterns of bacterial decay in preservative treated eucalypt power transmission poles by G A Willoughby & L E Leightley (1984-03-27) Document No: IRG/WP/1223
- The use of ^{13}C CP/MAS NMR in the chemical identification of decayed and undecayed, tropical timber species by L E Leightley (1984-05-15) Document No: IRG/WP/1224
- A survey of the incidence of decay in copper-chrome-arsenate treated trellis support posts used in horticulture in New Zealand by M E Hedley & Jeanette A Drysdale (1984-03-12) Document No: IRG/WP/1225
- Types of decay observed in CCA-treated pine posts in horticultural situations in New Zealand by Jeanette A Drysdale & M E Hedley (1984-02-29) Document No: IRG/WP/1226
- Soft rot cavity widening - a consideration of the kinetics by M D C Hale & R A Eaton (1984-03-09) Document No: IRG/WP/1227
- Note and literature survey on the "Eucalyptus borer" *Phoracantha semipunctata* F. (Col.; Cerambycidae), a pest in between forest and wood by S Cymorek (1984-05-25) Document No: IRG/WP/1228
- Lethal temperature for some wood-destroying fungi with respect to eradication by heat treatment by M Mirič & H Willeitner (1984-03-10) Document No: IRG/WP/1229
- Comparison of permethrin and fenvalerate as termiticides and their significance to Australian Quarantine Regulations by J W Creffield & C D Howick (1984-03-20) Document No: IRG/WP/1230
- Conditions for basidiospore production in the brown rot fungus *Gloeophyllum sepiarium* in axenic culture by J Bjurman (1984-04-25) Document No: IRG/WP/1232
- The preventive actions of three commercial wood preservatives against *Dinoderus minutus* by Kentaro Suzuki (1984-03-16) Document No: IRG/WP/1233

- Occurrence and importance of various types of fungal and bacterial decay in CCA-treated horticultural pine posts in New Zealand by Thomas Nilsson (1984-03-30) Document No: IRG/WP/1234
- Cavitation bacteria by Thomas Nilsson & Ardyah P Singh (1984-03-30) Document No: IRG/WP/1235
- Wood-destroying Rhinotermitidae (Isoptera) in the Oriental region by O B Chhotani (1984-03-10) Document No: IRG/WP/1236
- A method for screening termite baits using *Coptotermes lacteus* mounds by J R J French & P J Robinson (1984-03-30) Document No: IRG/WP/1237
- Preference of swarming termites for various coloured lights by Mohammad Afzal (1984-03-23) Document No: IRG/WP/1238
- Evidence for the participation of the osmiophilic particles in the enzymatic demethylation of lignin by K Messner & H Stachelberger (1984-03-20) Document No: IRG/WP/1239
- Electron microscopic detection and chemical analysis of three-lamellar structures in wood-destroying fungi by R Foisner, K Messner, H Stachelberger & M Röhr (1984-03-22) Document No: IRG/WP/1240
- Premature decay of CCA-treated pine posts in horticultural soils - An overview by J A Butcher (1984-03-30) Document No: IRG/WP/1241
- Changes in fat and moisture contents, and nitrogen fixation in laboratory maintained termites by J R J French, P J Robinson, G L Turner & P J Pahl (1984-03-30) Document No: IRG/WP/1242
- Three dimensional computer representations of growth of microbial populations in wood by A Bruce, B King, C Bruce & G M Smith (1984-004-17) Document No: IRG/WP/1243
- Appendix to Document No: IRG/WP/1243 (4 computer maps) Document No: IRG/WP/1244
- A short note on the subject of pretreatment decay in wood by J A Taylor (1984-05-04) Document No: IRG/WP/1245
- Minutes of the meetings held at Ronneby Brunn, Sweden during Tuesday 29 May and Friday 1 June 1984 (1984-08-20) Document No: IRG/WP/1247

Working Group II

- Co-operative research project on L-joint testing sampling after 8 months exposure by Janice K Carey & A F Bravery (1983-11-09) Document No: IRG/WP/2208
- A preliminary study on the feasibility of substituting the soil culture medium in soil block tests by João Carlos Moreschi (1984-01-17) Document No: IRG/WP/2209

- Developments in unsterile soil testing by Peggy A McKaig (1984-02-03) Document No: IRG/WP/2210
- Co-operative research project on L-joint testing. Progress report to March 1984 by Janice K Carey & A F Bravery (1984-03-22) Document No: IRG/WP/2211
- The effect of moisture content on the electrical resistance of timber as detected by a pulsed current resistance meter (Shigometer®) by P I Morris, Alison M Waite & D J Dickinson (1984-03-27) Document No: IRG/WP/2212
- Comparison of the effect of different soil sources on the type and rate of decay of CCA-treated pine exposed in a soil-bed by Jeanette A Drysdale (1984-02-28) Document No: IRG/WP/2213
- A direct method for testing plywood and particle boards against fungal decay by Lucien Trong (1984-02-28) Document No: IRG/WP/2214
- Artificial weathering as an aid to assessing the effectiveness of chemicals for preventing blue stain in service - a co-operative study by A F Bravery & D J Dickinson (1984-03-19) Document No: IRG/WP/2215
- Use of bioassay to determine CCF and CCB preservative retentions in treated *Pinus sylvestris* by João Carlos Moreschi & H Willeitner (1984-03-30) Document No: IRG/WP/2216
- Laboratory tests on the natural durability of timber - methods and problems by H Willeitner (1984-05-29) Document No: IRG/WP/2217
- Computerised data acquisition, handling and processing in wood preservation studies by Tim Rypstra (1984-03-26) Document No: IRG/WP/2218
- Window Test - Direct testing of wood resistance to decay: a study of its fitness, its reliability and its accelerating factor by Gérard Déon & Lucien Trong (1984-03-30) Document No: IRG/WP/2219
- A comparison of fungal strains used in the bioassay of wood preservatives by Jerzy Ważny & Harry Greaves (1984-03-21) Document No: IRG/WP/2220
- Performance of different treatments and finishes on wood out of ground contact - preliminary results by Sidney Milano (1984-03-20) Document No: IRG/WP/2221
- The effectiveness test of chemicals against *Serpula lacrymans* by Shuichi Doi (1984-03-30) Document No: IRG/WP/2222
- Experiments in accelerated evaporative ageing by R J Orsler & M W S Stone (1984-03-27) Document No: IRG/WP/2223
- Influence of aliphatic acids on spore germination of wood decay fungi by E L Schmidt (1984-03-25) Document No: IRG/WP/2224

- Residual resistance in eucalypt poles according to the degree of sanity by Flávio Carlos Geraldo, Sidney Milano & Sérgio Guimarães de Sequeira (1984-03-13) Document No: IRG/WP/2225
- Soft rot tests with soils of different origins by Martin Gersonde & Waltraut Kerner (1984-05-12) Document No: IRG/WP/2226
- Introduction to a field demonstration of various instruments and methods for the detection of defects in poles by Henning Friis-Hansen (1984-05-21) Document No: IRG/WP/2228
- The new method of detecting decay in poles by Arne Ammer & Bengt Svedberg (Information sheet from the Swedish Telecommunications Administration and the Swedish Dog Training Centre) (1984-05-29) Document No: IRG/WP/2229
- Working Group II Minutes of the meetings held at Ronneby Brunn, Sweden during 31 May - 1 June 1984 (1984-08-23) Document No: IRG/WP/2231
- Report on a field demonstration of methods for detecting defects in wood poles (held in Ronneby, Sweden on 29 May 1984) by P I Morris & H Friis-Hansen (1984-08-01) Document No: IRG/WP/2232

Working Group III

- Leaching of arsenic, copper and chrome from preservative-treated timber in playground equipment by Björn Henningsson & Birgit Carlsson (1984-03-30) Document No: IRG/WP/3149
- A field test with anti-stain chemicals on sawn pine timber stored and seasoned under different conditions by David Dickinson & Björn Henningsson (1984-03-30) Document No: IRG/WP/3245
- Wood in concrete. Summary of discussion at IRG 14, Surfers Paradise, Australia by R J Murphy (1984-03-23) Document No: IRG/WP/3264
- IRG test of preservative-treated hardwoods with particular reference to soft rot. Report of condition of specimens installed in Victoria, Australia (after 72 months) by Gary C Johnson & J D Thornton (Sub-group paper only) (1983-09-19) Document No: IRG/WP/3269
- Wood Preservation in Iran by Parviz Niloufari & Ron Cockcroft (1983-12-01) (STU information nr 412 - 1984) Document No: IRG/WP/3270
- Bibliography: Interactions of wood preservatives with wood, metals, glues, paints and concrete by Heinrich Becker (1983-11-14) Document No: IRG/WP/3271
- Performance of chromated copper arsenate-treated aspen fence posts installed in Forintek's Eastern test plot from 1951 to 1963 by C D Ralph (1984-02-06) Document No: IRG/WP/3272

Ammoniacal wood preservatives for use in non-pressure treatment of spruce and aspen poplar Part I by C D Shields & J K Shields (1984-01-27) Document No: IRG/WP/3273

Ammoniacal wood preservatives for use in non-pressure treatment of spruce and aspen poplar Part II by C D Ralph & J K Shields (1984-01-31) Document No: IRG/WP/3274

Stability and performance of tributyltin compounds by F Imsgard, B Jensen, H Landsiedel & H Plum (1984-02-29) Document No: IRG/WP/3275

Sludge formation in timber treatment with CCA preservatives - Origin and elimination by A Pizzi, W E Conradie & A Jansen (with errata paper) (1984-02-13) Document No: IRG/WP/3276

Experimental variations in the distribution of CCA preservative in lignin and holocellulose as a function of treating conditions (temperature, concentration, pH, species, and time) by A Pizzi, E Orovan, M Singmin, A Jansen & M C Vogel (1984-02-13) Document No: IRG/WP/3277

The preliminary evaluation of selected sulfonium salts for use in wood preservation by D V Plackett (1984-02-20) Document No: IRG/WP/3278

Spot tests for TnBTO and AAC preservatives by D V Plackett (1984-02-09) Document No: IRG/WP/3279

Inadequacies in preservative retention and formulation as contributory causes of premature failure of CCA-treated vineyard posts by M E Hedley (1984-03-20) Document No: IRG/WP/3280

Long-term protection of stored lumber against mould, stain, and specifically decay: a comparative field test of fungicidal formulations by A J Cserjesi, A Byrne & E L Johnson (1984-02-29) Document No: IRG/WP/3281

Evaluation of an alkyl ammonium compound as a fungicide to control sapstain and mould during diffusion storage by R Gnanaharan (1984-03-01) Document No: IRG/WP/3282

Development of a disinfection treatment for oak logs to be imported from the USA by Walter Liese & Matthias Ruetze (1984-03-30) Document No: IRG/WP/3283

Errata to Document No: IRG/WP/3276 by W E Conradie (1984-04-10) Document No: IRG/WP/3285

Experiments on the degradation of tributyltin oxide: a progress report by R J Orsler & G E Holland (1984-03-09) Document No: IRG/WP/3287

The permanence of permethrin in wood preservation by R J Orsler & M W S Stone (1984-03-09) Document No: IRG/WP/3288

The degradation of wood surfaces by water by W B Banks and P D Evans (1984-03-24) Document No: IRG/WP/3289

An evaluation of the synthetic pyrethroid cypermethrin in organic solvent and emulsion formulations by Susan J Read & R W Berry (1984-03-21) Document No: IRG/WP/3290

Preservative treatment of green timber by diffusion by P Vinden (1984-03-30) Document No: IRG/WP/3291

Preservative treatment of green timber by soaking in ammoniacal copper borate by P Vinden & A J McQuire (1984-03-30) Document No: IRG/WP/3292

The effect of temperature on the rate of fixation of an alkyl ammonium compound (AAC) wood preservative by P Vinden (1984-02-15) Document No: IRG/WP/3293

Mould resistance of lignocellulosic material treated with some protective chemicals by Kazimierz Lutomski (1984-03-15) Document No: IRG/WP/3294

IPBC - A new fungicide for wood protection by John Hansen (1984-03-21) Document No: IRG/WP/3295

Fumigant movement in Canadian wood species by J N R Ruddick (1984-02-27) Document No: IRG/WP/3296

Biological effectiveness of ground-contact wood preservatives as determined by field exposure stake tests by W E Conradie & A Pizzi (1984-03-30) Document No: IRG/WP/3297

Aspects of diffusion of boron through wood by S Iddi (1984-03-25) Document No: IRG/WP/3298

Tests with ammoniacal copper and alkyl ammonium compounds as wood preservatives by Carl-Erik Sundman (1984-03-30) Document No: IRG/WP/3299

A potential anti-sapstain chemical for sawmills by Irma Linderborg (1984-03-28) Document No: IRG/WP/3300

Evaluation of chlorpyrifos as an insecticidal component of a wood preservative by K Rose, J Kozuma & P Sparrow (1984-03-26) Document No: IRG/WP/3301

Information regarding a report on the "Code of Good Practice" for the use of chlorophenoxides for wood preservatives (Summary by V N P Mathur) (1984-03-14) Document No: IRG/WP/3302

A comment on problem orientated research for the preservation industry by H Greaves (1984-03-30) Document No: IRG/WP/3303

Further progress towards a cleaner creosote treatment - Summarised Report by H Greaves, C W Chin & J B Watkins (1984-03-30) Document No: IRG/WP/3304

Effectiveness of wood preservatives by IUFRO's method by G A C Lopez, E S Lepage & O B Neto (1984-03-26) Document No: IRG/WP/3305

Evaluation of a substituted isothiazolone as a potential new wood preservative by D D Nicholas, A F Preston, D E Greenley & S Parikh (1984-03-20) Document No: IRG/WP/3306

- Mixtures of fungicides screened for the control of sapstain on *Pinus radiata* by P Hayward, W Rae & J Duff (1984-03-22) Document No: IRG/WP/3307
- The influence of staining fungi on the decay resistance of wood treated with alkylammonium compounds by J N R Ruddick (1984-03-27) Document No: IRG/WP/3308
- Behaviour of some selective Indian species towards treatment with solvent based water repellent preservative by V R Sonti & B Chatterjee (1984-03-21) Document No: IRG/WP/3309
- Leaching tests on CCA-treated wood using inorganic salt solutions by D V Plackett (1984-03-15) Document No: IRG/WP/3310
- Biological and chemical observations on the early fungal colonization of T.B.T.O. treated Swedish redwood stakes by R Hill, Anne H Chapman & Areila Samuel (1984-04-09) Document No: IRG/WP/3311
- Preliminary observations on tributyltin treated Scots pine sapwood using ^{119}Sn (Mössbauer and NMR) spectroscopic techniques by R Hill (1984-04-09) Document No: IRG/WP/3312
- Strength properties of preservative treated pine and spruce wood after super-heated steaming by Rolf-Dieter Peek (1984-04-09) Document No: IRG/WP/3313
- Experiences with supervision schemes for treated timber in Denmark by Jørgen Sabroe (1984-05-25) Document No: IRG/WP/3315
- Wood Preservation in Australia by Harry Greaves (1984-02) (STU information no 438-1984) Document No: IRG/WP/3316
- Working Group III Minutes of the meetings held at Ronneby Brunn, Sweden during 28 May - 30 May 1984 (1984-07-27) Document No: IRG/WP/3317
- Wood Preservation in Yugoslavia by Nenad Vidović, Dragutin Murko & Ron Cockcroft (1984-09-21) (STU information no 441-1984) Document No: IRG/WP/3319

Working Group IV

- Plastic-coated marine piling in Los Angeles harbour by George Horeczko (1984-03-30) Document No: IRG/WP/4105
- Performance of preservative-treated timber against biodeterioration in Indian waters by L N Santhakumaran, J C Jain & M C Tewari (1984-01-30) Document No: IRG/WP/4106
- IRG/COIPM International Marine Test Progress Report 18 Report of seventh inspection (72 months) in Australia by L J Cookson & J E Barnacle (1984-03-28) Document No: IRG/WP/4108
- IRG/COIPM International Marine Test Progress Report 19 Report on the conditions of specimens at Sekondi, Ghana after 42 months by F F K Ampong (1984-03-30) Document No: IRG/WP/4109

Minutes of the 11th Joint Meeting with the COIPM Wood Group held in Ronneby Brunn, Sweden on Tuesday 29 May 1984 (1984-07-20) Document No: IRG/WP/4111

Report on marine borer attack on some timbers treated with CCA wood preservative and exposed for three months in sea-water by Apai Rananand, Wantana Yoosukh & Udom Sittiphuprasert (1984-08-13) Document No: IRG/WP/4112

A collaborative test to determine the efficacy of polyurethane coatings on wood samples exposed in the marine environment by R A Eaton (1984-09-18) Document No: IRG/WP/4113

Other Documents

Notes for authors of IRG Documents Document No: IRG/WP/5189

The thirteenth report of the International Research Group on Wood Preservation by R Cockcroft (1984-03-31) (also *B.W.P.A. News Sheet* No. 176, July 1984) Document No: IRG/WP/5194

Financial statement for the year ending 31 December 1983 by Henning Friis-Hansen (1984-02-15) Document No: IRG/WP/5195

IRG Foundation Fund Report by Björn Henningsson (1984-03-20) Document No: IRG/WP/5197

Abstracts of Poster Sessions at IRG 15 Meeting (1984-05-07) Document No: IRG/WP/5200

Minutes of the Plenary Meeting held at Ronneby Brunn Conference Centre, Sweden Monday 28 May and Friday 1 June 1984 (1984-06-21) Document No: IRG/WP/5210