

Acarology Bulletin

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A Newsletter of the **SYSTEMATIC AND APPLIED ACAROLOGY SOCIETY**

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Acarological News

SYMPOSIA OF XIIth INTERNATIONAL CONGRESS OF ACAROLOGY

Amsterdam, The Netherlands, 21–26 August 2006

Mon 21, (Oudemanhuispoort) room D108

INVASION BIOLOGY—MITES AS INTERNATIONAL TRAVELLERS

Organizers: Ronald Ochoa (USDA-ARS-BARC, Beltsville, USA), Maria Navajas (Institut National de la Recherche Agronomique, Montferrier-sur-Lez, France)

14:00–14:20 Cal Welbourn (Florida Department of Agriculture & Consumer Services, Gainesville, USA) INVASIVE MITES: A WORLD-WIDE THREAT TO AGRICULTURE

14:20–14:40 Denise Navia, Renata S. Mendonça, Ronald Ochoa (USDA-ARS-BARC, Beltsville, USA) THE RICE MITE, *STENEOTARSONEMUS SPINKI* SMILEY, AN INVASIVE SPECIES IN THE AMERICAS

14:40–15:00 Jose Carlos V. Rodrigues, Carl C. Childers (University of Puerto Rico, Juana Diaz, Puerto Rico) SPREAD OF CITRUS LEPROSIS VIRUS BY *BREVIPALPUS* IN THE AMERICAS

15:00–15:20 Gilberto de Moraes (Universidade de Sao Paulo, Piracicaba, Brazil) PREDATORS TO CONTROL INVASIVE MITE PESTS

16:00–16:20 Maria Navajas (Institut National de la Recherche Agronomique, Montferrier-sur-Lez, France) TRACKING THE COLONIZATION HISTORY OF AN INVASIVE PARASITIC MITE: GENETIC VARIATION OF *VARROA DESTRUCTOR* IN SOUTH EAST ASIA GIVES NEW INSIGHTS IN THE HONEYBEE INVASION PROCESS

16:20–16:40 Kouichi Goka, Kimiko Okabe, Hiroshi Kojima (National Institute for Environmental Studies, Tsukuba, Ibaraki, Japan) THE HISTORY OF MITES: CO-SPECIATION BETWEEN STAG BEETLES AND A PARASITIC MITE

16:40–17:00 Gabriele Liebisch, Arndt Liebisch, Stephan Paufler (Laboratorium für klinische Diagnostik ZeckLab, Germany) IMPORTATION OF A NEW WORLD TICK, *DERMACENTOR ALBIPICTUS* (IXODIDAE) WITH A HORSE FROM THE USA INTO GERMANY

Tue 22, (Oudemanhuispoort) room D108

DISEASES OF MITES AND TICKS

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- Organizers: Leo P.S. van der Geest (University of Amsterdam, The Netherlands), David Chandler (University of Warwick, Wellesbourne, UK)
- 09:00–09:20 Dave Chandler, Leo P.S. van der Geest (University of Warwick, Wellesbourne, Warwick, UK) DISEASES OF MITES AND TICKS: AN INTRODUCTION
- 09:20–09:40 Italo Delalibera (Universidade de Sao Paulo, Piracicaba, Brazil) HOST RANGE OF MITE PATHOGENIC SPECIES OF *NEOZYGITES* (ZYGOMYCETES: ENTOMOPHTHORALES)
- 09:40–10:00 Fabien C.C. Hountondji, M.W. Sabelis, R. Hanna (IITA, Cotonou, Benin; University of Amsterdam, The Netherlands) THE ROLE OF INFOCHEMICALS IN INTERACTIONS BETWEEN CASSAVA GREEN MITES AND A FUNGAL PATHOGEN
- 10:00–10:20 David Chandler, Ming-Guang Feng (University of Warwick, Wellesbourne, Warwick, UK) FUNGAL CONTROL OF SPIDER MITES
- 11:00–11:20 Stanisław Bałazy, R. Miętkiewski, C. Tkaczuk, M. Wrzosek (Research Centre for Agricultural and Forest Environment, Poznan, Poland) SELECTED ECOLOGICAL AND MOLECULAR ASPECTS CONCERNING ACAROPATHOGENIC FUNGI
- 11:20–11:40 Conny Schütte (Wageningen University, The Netherlands) AN OVERVIEW OF DISEASES OF PREDATORY MITES (PHYTOSEIIDAE)
- 11:40–12:00 Sreerama Kumar Prakya (Project Directorate of Biological Control, Bangalore, India) HIRSUTELLA THOMPSONII AS A MYCOACARICIDE FOR ACERIA GUERRERONIS ON COCONUT IN INDIA: RESEARCH, DEVELOPMENT AND OTHER ASPECTS
- 14:00–14:20 Judith Pell, Caroline Birchall, Brenda Ball, Dave Chandler, Gill Prince, John Carder (Rothamsted Research, Harpenden, Herts, UK) FUNGAL BIOCONTROL OF *VARROA DESTRUCTOR*, A MAJOR PEST OF HONEY BEES
- 14:20–14:40 W.G. Meikle, G. Mercadier, N. Holst, C. Nansen, V. Girod (European Biological Control Laboratory, Montferrier sur Lez, France) USING ENTOMOPATHOGENIC FUNGUS TO TREAT *VARROA* MITES IN HONEYBEE HIVES
- 14:40–15:00 Stephen Abolins, Richard Wall (University of Bristol, UK) DYNAMICS AND DISEASE IN POPULATIONS OF *ACARUS SIRO*
- 15:00–15:20 Richard Wall, Alexandra Brooks, Stephen Abolins (University of Bristol, UK) CONTROL OF THE SCAB MITE *PSOROPTES OVIS* WITH *METARHIZIUM ANISOPLIAE*

- 16:00–16:20 Tove Steenberg, Ole Kilpinen, Dave Moore (Department of Integrated Pest Management, Lyngby, Denmark) ENTOMOPATHOGENIC FUNGI FOR CONTROL OF THE POULTRY RED MITE, *DERMANYSSUS GALLINAE*
- 16:20–16:40 Rosebella O. Maranga, Jomo Kenyatta (Jomo Kenyatta University for Agriculture and Technology, Nairobi, Kenya) FIELD TRIALS FOR THE CONTROL OF *AMBLYOMMA VARIEGATUM* (IXODIDAE) USING FUNGI IN PHEROMONE BAITED TRAPS
- 16:40–17:00 M. Samish, G. Gindin, S. Gal-Or, I. Glazer (Kimron Veterinary Institute, Bet Dagan, Israel) THE POTENTIAL USE OF *METARHIZIUM ANISOPLIAE* FOR THE CONTROL OF TICKS
- 17:00–17:20 D. Ment, G. Gindin, I. Glazer, M. Samish (Kimron Veterinary Institute, Bet Dagan, Israel) THE INTIMATE INTERACTION BETWEEN ENTOMOPATHOGENIC FUNGI AND TICKS

Wed 23, (Oudemanshuispoort) room D108

DIVERSITY AND ECOLOGY OF ACARI ASSOCIATED WITH VERTEBRATES

Organizers: Heather Proctor (University of Alberta, Edmonton, Canada), Sergei V. Mironov (Institute of Zoology, St. Petersburg, Russia)

- 09:00–09:20 Sergey Mironov, Georges Wauthy (Zoological Institute, Russian Academy of Sciences, Saint Petersburg, Russia) PHYLOGENY AND HOST-PARASITE ASSOCIATIONS OF FEATHER MITES OF THE *PTEROHERPUS* GENERIC GROUP (ASTIGMATA: PTERONYSSIDAE)
- 09:20–09:40 Robert Cruickshank, Matthew Shaw, Adrian Paterson (Lincoln University, Canterbury, New Zealand) LOSS OF PARASITISM IN *DERMANYSSOID* MITES
- 09:40–10:00 Barry OConnor, Pavel Klimov (University of Michigan, Ann Arbor, USA) PHYLOGENY OF THE GLYCYPHAGOIDEA (ASTIGMATA): EVOLUTION OF DEUTONYMPHAL PARASITISM
- 10:00–10:20 Jeb P. Owen, Carol J. Cardona, Mary E. Delany, Arthur A. Bickford, Bradley A. Mullens (University of California, Riverside, USA) INTERACTION OF THE HOST IMMUNE RESPONSE AND POPULATION DYNAMICS OF NORTHERN FOWL MITES
- 11:00–11:20 A. Bochkov, Barry OConnor (Zoological Institute, St. Petersburg, Russia) ORIGIN OF PARASITISM IN MITES OF THE INFRA-ORDER ELEUTHERENGONA (PROSTIGMATA)
- 11:20–11:40 Natalia V. Lebedeva (Southern Scientific Centre, Russian Academy of Sciences, Russia) DIVERSITY OF ORIBATID MITES IN BIRD FEATHERS

11:40–12:00 Heather Proctor, Wayne Knee, Geoff Williams (University of Alberta, Edmonton, Canada) POLYMORPHISM IN MALE FEATHER MITES: EFFECTS OF POPULATION STRUCTURE AND HABITAT

12:00–12:20 Wayne Knee, Heather Proctor (University of Alberta, Edmonton, Canada) PARASITIC NASAL MITES (RHINONYSSIDAE, EREYNETIDAE, TURBINOPTIDAE) ASSOCIATED WITH BIRDS OF ALBERTA AND MANITOBA

Wed 23, (Oudemanshuispoort) room D108

RECOGNITION SYSTEMS IN MITES AND TICKS

Organizers: Peter Schausberger (Institute of Plant Protection, Vienna, Austria), J. Scott Blackwood (USDA-ARS, Fort Lauderdale, Florida, USA)

14:00–14:20 J. Scott Blackwood, Selina S. Heppell, Brian A. Croft, Peter Schausberger (Oregon State University, Corvallis, USA) PREY STAGE RECOGNITION PROVIDES FITNESS BENEFIT TO THE SPECIALIST PREDATOR, *PHYTOSEIULUS PERSIMILIS*, THROUGH POPULATION DYNAMICAL IMPACTS

14:20–14:40 Andreas Walzer, Peter Schausberger (Institute of Plant Protection, University of Natural Resources & Applied Life Sciences, Vienna, Austria) SPECIES RECOGNITION IN PHYTOSEIID GUILD INTERACTIONS

14:40–15:00 Jeyasankar Alagarmalai, Mor Grinberg, Eric Palevsky, Rafael Perl-Treves, Denis Nelson, Victoria Soroker (The Volcani Center, Bet Dagan, Israel) PHORETIC AND HOST-PLANT RECOGNITION BY THE BROAD MITE, *POLYPHAGOTARSONEMUS LATUS*

15:00–15:20 Yasumasa Kuwahara (Kyoto Gakuen University, Kyoto, Japan) HOW ASTIGMATIC MITES CONTROL THE EMISSION OF THREE TYPES OF PHEROMONES FROM THE SAME GLAND, DEPENDING UPON ENVIRONMENTAL CUES AND THE FUNCTIONAL CHARACTERISTICS OF ACTIVE COMPOUNDS

16:00–16:20 Jeb P. Owen, Ring T. Cardé, Kristine Justus, Jocelyn G. Millar, Bradley A. Mullens (University of California, Riverside, USA) SENSORY MODALITIES OF THE NORTHERN FOWL MITE: CONTROLLING ACTION AND ORIENTATION

16:20–16:40 Peter Schausberger (Institute of Plant Protection, University of Natural Resources & Applied Life Sciences, Vienna, Austria) KIN RECOGNITION IN THE PREDATORY MITE *PHYTOSEIULUS PERSIMILIS*: A PRECEDENT FOR THE USE OF MULTIPLE MECHANISMS

16:40–17:00 Patrick M. Guerin (University of Neuchâtel, Switzerland) HOST RECOGNITION BY TICKS

Thu 24, (Oudemanshuispoort) room D108

EVOLUTIONARY ECOLOGY OF MITES AND TICKS

Organizers: Yutaka Saito (Hokkaido University, Sapporo, Japan), Jacek Radwan (Jagiellonian University, Krakow, Poland)

09:00–09:20 Annemarie Kroon, Jan Bruin, Martijn Egas, Maurice W. Sabelis (University of Amsterdam, Amsterdam, The Netherlands) SLEEPING WITH THE ENEMY: PREDATOR-INDUCED DIAPAUSE IN A MITE

09:20–09:40 Keiko Oku (Kyoto University, Japan) HOST PLANT USE BY THE KANZAWA SPIDER MITE IN RELATION TO PREDATOR AVOIDANCE

09:40–10:00 Karen McCoy, Claire Tirard, Thierry Boulinier (UMR CNRS-IRD, IRD, Montpellier, France) COMPARATIVE HOST-PARASITE POPULATION STRUCTURES: WHAT *IXODES URIAE* CAN TELL US ABOUT THE ECOLOGY OF ITS SEABIRD HOSTS

10:00–10:20 Guillaume Le Goff, Anne-Catherine Mailleux, Thierry Hance, Claire Detrain, Jean-Louis Deneubourg (Université Catholique de Louvain, Louvain-la-Neuve, Belgium) AGGREGATION BEHAVIOUR AND GENETIC PROXIMITY IN *TETRANYCHUS* SP.

11:00–11:20 Arne Janssen, Sara Magalhães, Marta Montserrat, Tessa van der Hammen, Maurice W. Sabelis (University of Amsterdam, The Netherlands) PREDATOR OR PREY? ROLE REVERSALS IN ARTHROPODS

11:20–11:40 Sara Magalhães (Université de Montpellier II, Montpellier, France) PARENTAL CARE IN THE PREDATORY MITE *IPHISEIUS DEGENERANS* IS TRIGGERED BY COUNTERATTACK OF ITS THRIPS PREY

11:40–12:00 W. Reuben Kaufman (University of Alberta, Edmonton, Canada) GLUTTONY AND SEX: HOW DO TICKS COMPARE TO OTHER BLOOD-SUCKING ARTHROPODS?

14:00–14:40 Heather Proctor, Michael Pedruski, Mirka Dabert, Jacek Dabert, Hans Klompen (University of Alberta, Edmonton, Canada) EVOLUTION OF COLOURATION IN WATER MITES: APOSEMATISM VERSUS PHOTO-PROTECTION

14:40–15:20 David C. Margolies, J.R. Nechols, P. Nachappa (Kansas State University, Manhattan, USA) AN ECOLOGICAL AND EVOLUTIONARY FRAMEWORK TO ASSESS PREDATOR RESPONSE TO HERBIVORE-INDUCED PLANT VOLATILES

16:00–16:40 Yutaka Saito (Hokkaido University, Sapporo, Japan) SPIDER MITES AS MODEL ANIMALS IN EVOLUTIONARY ECOLOGY

16:40–17:20 Jacek Radwan (Jagiellonian University, Kraków, Poland) SEXUAL SELECTION AND CONFLICT IN THE BULB MITE

Fri 25, (Oudemanshuispoort) room D108

HOST RACE FORMATION IN MITES AND TICKS

Organizers: Karen D. McCoy (CNRS IRD, Montpellier, France), Sara Magalhaes (Université Montpellier II, France)

09:00–09:20 Mark Forbes, Tonia Robb, Marc J. Lajeunesse, Bruce P. Smith (Carleton University Ottawa, Ontario, Canada) GENERALIST MITES IN THE FACE OF SELECTION FOR SPECIFICITY

09:20–09:40 Christine Chevillon, Brou Basile Koffi, Patrick Duran, Nicolas Barré, Michel de Garine-Witchatitsky, Thierry de Meeûs (CNRS-IRD, Montpellier, France) ASSESSING THE ROLE OF HOST-SPECIES DIFFERENCES IN THE GENETIC DIFFERENTIATION OF THE CATTLE TICK, *BOOPHILUS MICROPLUS*, IN NEW CALEDONIA ISLAND

09:40–10:00 Nadia Bruyndonckx, Philippe Christe (University of Lausanne, Switzerland) MOLECULAR COPHYLOGENETIC RELATIONSHIPS BETWEEN EUROPEAN BATS AND THEIR MITES (SPINTURNICIDAE)

10:00–10:20 Karen McCoy, Elodie Chapuis, Claire Tirard, Thierry Boulinier, Yannis Michalakakis, Céline Le Bohec, Yvon Le Maho, Michel Gauthier-Clerc (CNRS-IRD, Montpellier, France) RECURRENT HOST RACE FORMATION IN THE SEABIRD TICK, *IXODES URIAE*

11:00–11:20 Sara Magalhães, Julien Fayard, Elodie Blanchet, Martijn Egas, Isabelle Olivieri (Université de Montpellier II, Montpellier, France) EXPERIMENTAL EVOLUTION OF SPIDER MITES ADAPTING TO TWO NOVEL HOST PLANTS

11:20–11:40 Masahiro Osakabe, K. Takeyama, H. Atoji, N. Mori (Kyoto University, Japan) HOST PLANT ADAPTATION IN *PANONYCHUS* SPIDER MITE SPECIES

11:40–11:50 Gary L. Hein, Benjawan Siriwetwivat, Roy French (USDA-ARS, University of Nebraska-Lincoln, Scottsbluff, USA) BIOLOGICAL FACTORS ASSOCIATED WITH HOST (BIOTYPE) DIFFERENCES FOR WHEAT CURL MITE (*ACERIA TOSICHELLA*)

11:50–12:00 Anna Skoracka (Adam Mickiewicz University, Poznań, Poland) RESTRICTED GENE FLOW BETWEEN HOST POPULATIONS OF THE CEREAL RUST MITE, *ABACARUS HYSTRIX*

12:00–12:10 Shinya Nishimura, Norihide Hinomoto, Akio Takafuji (Sumitomo Chemical Co., Ltd., Takarazuka, Hyogo, Japan) DEVELOPMENT OF MICROSATELLITE MARKERS IN *TETRANYCHUS KANZAWAI* (TETRANYCHIDAE), AND ANALYSIS OF SPATIO-TEMPORAL GENE FLOW AMONG POPULATIONS ON DIFFERENT HOST PLANTS

Fri 25, (Oudemanhuispoort) room D108

SYMBIONTS OF MITES AND TICKS

Organizers: Hans A.J. Breeuwer (University of Amsterdam, The Netherlands), Mark Maraun (Technische Universität Darmstadt, Germany)

14:00–14:20 M.A. Perotti, H.R. Braig (University of Wales, Bangor, Gwynedd, UK) ENDOSYMBIOTIC BACTERIA OF MITES AND TICKS

14:20–14:40 D. Sasser, T. Beninati, S. Epis, C. Bandi, L. Beati, C. Genchi, L. Sacchi, N. Lo (Università di Milano, Italy) IRICES1, A SYMBIONT OF THE TICK *IXODES RICINUS* THAT RESIDES IN THE HOST MITOCHONDRIA

14:40–15:00 Gerald D. Baldrige, Timothy J. Kurtti, Nicole Burkhardt, Abigail S. Baldrige, Curtis M. Nelson, Adela S. Oliva, Ulrike G. Munderloh (University of Minnesota, St. Paul, USA) LIGHTING THE WAY: GFP-EXPRESSING RICKETTSIAE ILLUMINATE TICK SYMBIOSIS

15:00–15:20 Jaroslav Smrz (Charles University Praha, Czech Republic) ENZYME ACTIVITIES OF SAPROPHAGOUS SOIL MITES (ORIBATIDA, ACARIDIDA) AND THE ASSOCIATED INTERNAL BACTERIA IN THEIR BODY

16:00–16:20 Testuo Gotoh, Hiroaki Noda (Ibaraki University, Ami, Ibaraki, Japan) EFFECTS OF WOLBACHIA AND CLO ON REPRODUCTIVE TRAITS OF JAPANESE SPIDER MITE SPECIES

16:20–16:40 Thomas V.M. Groot, Johannes A.J. Breeuwer (University of Amsterdam, The Netherlands) HORIZONTAL TRANSMISSION OF CARDINIUM SYMBIONTS WITHIN AND BETWEEN CLOSELY RELATED BREVIPALPUS SPECIES

16:40–17:00 Vera I.D. Ros, Johannes A.J. Breeuwer (University of Amsterdam, The Netherlands) THE MITE GENUS BRYOBIA: A MIXTURE OF SEXUALS AND ASEXUALS, WITH OR WITHOUT WOLBACHIA AND CARDINIUM

Tue 22, room D109

NON-TARGET EFFECTS OF PESTICIDES

Chairs: Noubar Bostanian (Agri-Food, Nova Scotia, Canada), John Michael Hardman (Agri-Food, Nova Scotia, Canada)

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- 14:00–14:20 David G. James, Deirdre Prischmann (Washington State University, Prosser, USA) THE IMPACT OF SULFUR ON BIOLOGICAL CONTROL OF SPIDER MITES IN WASHINGTON STATE VINEYARDS AND HOP YARDS
- 14:20–14:40 Alberto Pozzebon, Carlo Duso (University of Padova, Italy) PESTICIDE SIDE-EFFECTS ON PREDATORY MITES: THE ROLE OF TROPHIC INTERACTIONS
- 14:40–15:00 John Michael Hardman, Noubar John Bostanian (Agriculture & Agri-Food Canada, Kentville, Nova Scotia, Canada) USING FIELD DATA TO DETERMINE MITICIDE SELECTIVITY AND TO QUANTIFY CUMULATIVE EFFECTS OF PESTICIDES IN DISRUPTING BIOLOGICAL CONTROL
- 15:00–15:20 Serge Kreiter, Philippe Auger, Romain Bonafos (Institut National de la Recherche Agronomique, Montpellier, France) SIDE EFFECTS OF PESTICIDES TO PHYTOSEIID MITES IN FRENCH VINEYARDS AND ORCHARDS AS ASSESSED IN LABORATORY AND FIELD TRIALS
- 16:00–16:20 Haralabos Tsolakis, Salvatore Ragusa (Università di Palermo, Italia) EFFECTS OF FATTY ACID POTASSIUM SALTS ON *TETRANYCHUS URTICAE* (ACARIFORMES, TETRANYCHIDAE) AND *PHYTOSEIULUS PERSIMILIS* (PARASITIFORMES, PHYTOSEIIDAE)
- 16:20–16:40 Noubar J. Bostanian, Marie-Claude Laurin (Agriculture & Agri-Food Canada, St. Jean-sur-Richelieu, Quebec, Canada) LABORATORY STUDIES ON RESIDUAL EFFECTS OF PESTICIDES ON *ANYSTIS BACCARUM* (ANYSTIDAE)
- 16:40–16:50 Raul T. Villanueva, James F. Walgenbach (North Carolina State University, Raleigh, USA) IMPACT OF NEW PESTICIDE CHEMISTRY ON APPLE ORCHARD ACARINE COMMUNITIES
- 16:50–17:00 Marcelo Poletti, Celso Omoto (Universidade de São Paulo, Piracicaba, SP, Brazil) HOW SAFE ARE THE NEONICOTINOID INSECTICIDES FOR PRESERVING PHYTOSEIID MITES IN IPM PROGRAMS?
- 17:00–17:10 Ingeborg Klingen, Karin Westrum, Nina Trandem (Norwegian Institute for Agricultural and Environmental Research, Ås, Norway) PESTICIDES USED IN STRAWBERRIES AND THEIR EFFECT ON THE TWO-SPOTTED SPIDER MITE, *TETRANYCHUS URTICAE*, AND THE MITE PATHOGENIC FUNGUS *NEOZYGITES FLORIDANA*

Wed 23, room D109

CANOPY ACAR—DIVERSITY, BIOGEOGRAPHY AND ECOLOGICAL PROCESSES

Organizers: Zoë Lindo (University of Victoria, British Columbia, Canada), Fred Beaulieu (Agriculture & Agri-Food Canada, Ottawa, Ontario, Canada)

09:00–09:20 Zoë Lindo (University of Victoria, British Columbia, Canada) THE SPECIES-AREA RELATIONSHIP OF ORIBATID MITE (ORIBATIDA) COMMUNITIES IN THE CANOPY OF A COASTAL TEMPERATE RAINFOREST, VANCOUVER ISLAND, CANADA

09:20–09:40 Julio Arroyo, Thomas Bolger (University College Dublin, Ireland) MITES OCCURRING IN THE CANOPY OF SITKA SPRUCE GROWING IN IRELAND

09:40–10:00 Shigenori Karasawa, Naoki Hijii (Nagoya University, Chikusa, Japan) EFFECT OF BIRD'S NEST FERNS ON ORIBATID COMMUNITIES IN A SUBTROPICAL FOREST

10:00–10:20 L.R. Tiedt, E.A. Ueckermann, P.D. Theron (North-West University, Potchefstroom, South Africa) GALL LIVING MITES ON FIVE INDIGENOUS TREES FROM SOUTHERN AFRICA

11:00–11:20 Norman J. Fashing (College of William and Mary, Williamsburg, Virginia, USA) THE DIVERSITY, BIOGEOGRAPHY AND ECOLOGY OF ASTIGMATIC MITE INHABITANTS OF SAP FLUX AND WATER-FILLED TREEHOLES

11:20–11:40 Frederic Beaulieu, David E. Walter, Heather C. Proctor, Roger L. Kitching (Agriculture & Agri-Food, Ottawa, Ontario, Canada) VERTICAL HABITAT PARTITIONING: THE DICHOTOMOUS DISTRIBUTION OF MESOSTIGMATIC MITES IN AUSTRALIAN RAINFOREST LITTER

11:40–12:00 A.R. Chittenden, Y. Saito (Hokkaido University, Sapporo, Japan) FACTORS AFFECTING MITE SPECIES RICHNESS ON SASA DWARF BAMBOO

Contents of Journals

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Volume 13, Number 2, 27 April 2006 (for 14 September 2005)

Mironov, S.V. (2006) A new feather mite genus, *Megalaimobius* gen.n. (Astigmata: Pteronyssidae), from the Asian barbets (Piciformes: Ramphastidae: Megalaiminae) in Vietnam. 13(2), 117–126 [in English].

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- Skoracki, M. (2006) A review of the quill mites (Acari: Syringophilidae) parasitizing parrots (Aves: Psittaciformis) with description of three new species. 13(2), 127–136 [in English].
- Bochkov, A.V. & Ochoa R. (2006) Three new cheyletid species (Acari: Cheyletidae) from the National Museum of Natural History entomological collection, USA. 13(2), 137–144 [in English].
- Chetverikov, Ph.E. (2006) Eriophyid mites (Acari, Eriophyoidea: Eriophyidae) of the genus *Leipothrix* Keifer, 1966 from sedges (Cyperaceae). 13(2), 145–154 [in English].
- Khaustov, A.A. & Chydyrov P.R. (2006) A new species of mites of the genus *Heterodispus* (Acari: Heterostigmata: Scutacaridae) from Turkmenistan. 13(2), 155–157 [in English].
- Sergeyenko, A.L. (2006) A new species of the mite genus *Pseudobonzia* Smiley, 1975 (Acarina: Prostigmata: Cunaxidae) from Ukraine. 13(2), 159–163 [in English].
- Bochkov, A.V. & OConnor B.M. (2006) Observations on the listrophorid (Acari: Listrophoridae) fauna of Pakistan. 13(2), 165–171 [in English].
- Khaustov, A.A. (2006) New species and records of the genus *Petalomium* (Acari: Heterostigmata: Pygmephoridae) from Crimea (Ukraine). 13(2), 173–179 [in English].
- Apanaskevich, D.A. & Horak I.G. (2006) The genus *Hyalomma* Koch, 1844. II. Taxonomic status of *H. (Euhyalomma) anatolicum* Koch, 1844 and *H. (E.) excavatum* Koch, 1844 (Acari, Ixodidae) with redescriptions of all stages. 13(2), 181–197 [in English].
- Tuzovsky, P.V. (2006) The morphology of larva of the water mite *Paniscus major* Tuzovskij (Acariformes, Hydryphantidae). 13(2), 199–202 [in English].
- Cui, Yu-Bao; Li, Chao-Pin; Wang, Jian; Yang, Qing-Gui; Tian, Ye & Tao, Li. (2006) Astigmatid mites infesting Chinese medicinal herbs. 13(2), 203–208 [in English].

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Volume 15, Number 1, May, 2006

- Abé, H. (2006) A catalogue of Japanese water mites (Acari: Prostigmata: Hydracarina) (In Japanese). 15(1), 1
- Kongchuensin, M. & Takafuji, A. (2006) Effects of some pesticides on the predatory mite, *Neoseiulus longispinosus* (Evans) (Gamasina: Phytoseiidae). 15(1), 17

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- Hartini, S. & Takaku, G. (2006) Mites of the genus *Macrocheles* (Acari: Gamasida: Macrochelidae) associated with dung beetles in Papua, Indonesia. 15(1), 29
- Kishimoto, H. & Adachi, I. (2006) Effects of predacious insects on the population dynamics of three spider mite species (Acari: Tetranychidae) on Japanese pear. 15(1), 47
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