

Selected publications of the Entomology Collections, 1994 – 2004

2004

Barber, A.D. and **Mann, D.J.** (2004). Myriapod papers of R.S. Bagnall, 1889-1969. *Bulletin of the British Myriapod and Isopod Group*, **20**: 13-16.

Brecknell, S.M. (2004). The Hope Library, Oxford University Museum of Natural History. *Antenna*, **28**, 80-86.

Dallai, R., Lupetti, P., Giusti, F., Mercati, D., Paccagnini, E., Turillazzi, S., Beani, L. and **Kathirithamby, J.** (2004). Fine structure of the Nasonow's gland in the neotenic endoparasitic female of *Xenos vesparum* (Rossi) (Strepsiptera, Insecta). *Tissue & Cell*, **36**(1): 211-220.

Despland, E., Rosenberg, J. and **Simpson, S.J.** (2004). Landscape structure and locust swarming: a satellite's view. *Ecography*, **27**: 381-391.

Haegele, B.F., Wang H-F., Sehna, F. and **Simpson, S.J.** (2004). Effect of crowding, isolation, and transfer from isolation to crowding on the total ecdysteroid content of eggs in *Schistocerca gregaria*. *Journal of Insect Physiology*, **50**: 621-628.

Hughes, D.P., **Kathirithamby, J.**, Turillazzi, S. and Beani, L. (2004). Social wasps desert the colony and aggregate outside if parasitized: parasite manipulation? *Behavioural Ecology*, **10**:

Hughes, D. P., Pamilo, P. and **Kathirithamby, J.** (2004). Horizontal transmission of *Wolbachia* by strepsipteran endoparasites? A response to Noda, *et al*, 2001. *Molecular Ecology*, **13**(2): 507-509.

Kathirithamby, J. and Johnston, J.S. (2004) The discovery after 94 years of the elusive female of a myrmecolacid (Strepsiptera), and the cryptic species of *Caenocholax fenyesi* Pierce *sensu lato*. *Proceedings of the Royal Society of London*, B Suppl. (3), **271**: S5-S8.

Lee, K.P., Raubenheimer, D. and Simpson, S.J. (2004). The effect of nutritional imbalance on compensatory feeding for cellulose-mediated dietary dilution in a generalist caterpillar. *Physiological Entomology*, **29**: 108-117.

Moya-Roygoza G., **Kathirithamby, J.** and Larsen, K. J. (2004). Dry season parasitoids of the corn leafhopper (Homoptera: Cicadellidae). *Canadian Entomologist*, **136**: 119-127.

Munari, L., and **Pont, A. C.** (2004). The identity of *Milichia tamaricis* Bigot, 1888 (Diptera, Tethinidae). *Dipterists Digest*, **11**: 11-15, 3 figs.

Opstad, R., Rogers, S.M., Behmer, S.T. and **Simpson, S.J.** (2004). Behavioural correlates of phenotypic plasticity in mouthpart chemoreceptor numbers in locusts. *Journal of Insect Physiology*, **50**: 725-736.

Pont, A. C. (2004). Newly-discovered types of Muscidae and Anthomyiidae (Diptera) described by Francis Walker and located in the Melbourne Museum, Australia. *Studia dipterologica*, **10**, [2003]: 673-678.

Pont, A. C. (2004). Notes on types of Fanniidae and Muscidae (Diptera) in the Zoological Institute of the Russian Academy of Sciences, St Petersburg. *International Journal of Dipterological Research*, **15**: 73-98.

Raubenheimer, D. and **Simpson, S.J.** (2004). Organismal stoichiometry: quantifying non-independence among food components. *Ecology*, **85**: 1203-1216.

Rogers, S.M., Matheson, T., Sasaki, K., Kendrick, K., **Simpson, S.J.**, Burrows, M. (2004). Substantial changes in central nervous neurotransmitters and neuromodulators accompany phase change in the locust. *Journal of Experimental Biology*, **207**: 3603-3617.

Zudaire, E., **Simpson, S.J.**, Illa, I. and Montuenga, L.M. (2004). Dietary influences over proliferating cell nuclear antigen expression in the locust midgut. *Journal of Experimental Biology*, **207**: 2255-2265.

2003

- Barclay, M.V.L. and **Mann, D.J.** 2003. Some further records of *Chrysolina americana* (L.) (Chrysomelidae) in London. *British Journal of Entomology and Natural History*, **15**: 136-137.
- Boorman, J. and **Ismay, J.W.** 2003. A species of *Dasyhelea* (Dipt., Ceratopogonidae) new to Britain. *Entomologist's monthly Magazine*, **139**: 161-162.
- Bouaichi, A. and **Simpson, S.J.** 2003. Density-dependent accumulation of phase characteristics in a natural population of the desert locust *Schistocerca gregaria*. *Physiological Entomology*, **28**: 25-31.
- Carvalho, C. J. B. de, **Pont, A. C.** , Couri, M. S. and Pamplona, D. 2003. A catalogue of the Fanniidae (Diptera) of the Neotropical Region. *Zootaxa*, **219**: 1-32.
- Hoste, B., **Simpson, S.J.** , De Loof, A. and Breuer, M. 2003. Behavioural differences in *Locusta migratoria* caused by albinism and their relation to [His7]-corazonin. *Physiological Entomology*, **28**: 32-38.
- Hughes, D. P., Moya-Raygoza, G. and **Kathirithamby, J.** 2003. The first record among Dolichoderinae of parasitism by Strepsiptera. *Insectes Sociaux*, **50**: 1-3.
- Hughes, D.P., Beani, L., Turallizzi, S. and **Kathirithamby, J.** 2003. Prevalence of the parasite Strepsiptera as detected by dissection of immatures. *Insectes Sociaux*, **50**: 1-8.
- Ismay, J.W.** 2003. New species and records of Xenasteiidae (Diptera) from the Australian and Oceanian Regions. *Records of the Hawaii Biological Survey for 1991-2002. Bishop Museum Occasional Papers*, **73**: 41-46.
- Kathirithamby, J.** , Ross, L.D. and Johnston, S.D. 2003. Masquerading as self? Endoparasitic Strepsiptera enclose themselves in host-derived epidermal "bag". *Proceedings of the National Academy of Sciences*, **100**: 7655-7659.
- Krell, F-T., **Mann, D.J.** , Angus, R.B. and Mate, J.F. 2003. *Aphodius niger* Illiger, 1798 (Insecta, Coleoptera): proposed conservation of the specific name. *Bulletin of Zoological Nomenclature*, **60** (2): 127-131.
- Mann, D.J., Hogan, J.E. and Brecknell, S.** (2003). Edward Holt Eason: His Archives and Collection in The Hope Entomological Collections. *Bulletin of the British Myriapod and Isopod Group*, **19**: 42-44.
- Mann, D.J.** and Turner, C.R. 2003. *Atrichopogon (Meloehalea) winnertzi* Goetghebuer (Diptera: Ceratopogonidae) feeding on *Meloe violaceus* Marsham (Coleoptera: Meloidae). *British Journal of Entomology and Natural History*, **16**: 7-9.
- O'Neill M.A.** , Burns G. and C.C. Hilgetag. 2003. The PUPS-MOSIX environment: A homeostatic environment for neuro- and bio-informatic applications. In Kotter (ed.), *Neuroscience databases*, Edn. 1, Kluwer.
- O'Toole, C.** 2003. *Bumblebees: gardens need bees; bees need homes*. Osmia Publications, Rothley, Leicestershire, 52pp. (New and revised edition).
- Potts, S. G., Vulliamy, B., Dafni, A., Ne'eman, G., **O'Toole, C.** , Roberts, S. and Willmer, P. 2003. Response of plant-pollinator communities to fire: changes in diversity, abundance and floral reward structure. *Oikos*, **101**: 103-112.
- Raubenheimer, D. and **Simpson, S.J.** 2003. Nutrient balancing in grasshoppers: behavioural and physiological correlates of diet breadth. *Journal of experimental Biology*, **206**: 1669-1681.
- Werner, D. and **Pont, A. C.** 2003. Dipteran predators of Simuliid blackflies: a worldwide review. *Medical and Veterinary Entomology*, **17**: 115-132.
- Wright, G.A., **Simpson, S.J.** , Raubenheimer, D. and Stevenson, P. 2003. The feeding behaviour of the weevil, *Exophthalmus jekelianus* (White), with respect to the nutrients and allelochemical in the leaves of Central American mahogany, *Cedrela odorata*. *Oikos*, **100**: 172-184.

2002

Ackland, D. M. 2002. A note on the life history and immature stages of *Chirosia griseifrons* (Séguy, 1923 (Diptera, Anthomyiidae). *Dipterists' Digest*, **9**: 103-106.

Baker, D.B. 2002. On the identity of *Ceratina* (*Ceratinidia*) *hieroglyphica* Smith (Insecta: Hymenoptera: Apoidea: Anthophoridae). *Reichenbachia* **34**: 357-373.

Baker, D.B. 2002. A provisional, annotated, list of the nominal taxa assigned to the genus *Dasypoda* Latreille, 1802, with the description of an additional species (Hymenoptera, Apoidea, Melittidae). *Deutsche Entomologische Zeitschrift*, **49** (1): 89-103.

Behmer, S.T., **Simpson, S.J.** and Raubenheimer, D. 2002. Herbivore foraging strategies in chemically heterogeneous environments: allelochemical-nutrient interactions. *Ecology*, **83**: 2489-2501.

Burns G.A.P.C., Khan A.M., Ghandeharizadeh S, **O'Neill M.A.** and Chen Y.S 2002. Tools and approaches for the construction of knowledge models from the neuroscientific literature. *Neuroinformatics Journal* **1**: 81-110.

Galián, J., **Hogan, J.E.** and Vogler, A.P. 2002. The Origin of Multiple Sex Chromosomes in Tiger Beetles. *Molecular Biology and Evolution*, **19**: 1792-1796.

Hoste, B., **Simpson, S.J.** , Tanaka, S., De Loof, A. and Breuer, M. 2002. A comparison of phase-related shifts in behavior and morphometrics of an albino strain, deficient in [His7]-corazonin, and a normally colored *Locusta migratoria* strain. *Journal of Insect Physiology*, **48**: 791-801.

Hoste, B., **Simpson, S.J.** , Tanaka, S., De Loof, A. and Breuer, M. 2002. Effects of [His7]-corazonin on the phase state of isolated-reared (solitary) desert locusts, *Schistocerca gregaria*. *Journal of Insect Physiology*, **48**: 981-990.

Ismay, J.W. and Perry, I. 2002. *Diplotoxa dalmatina* Strobl (Dipt., Chloropidae) new to Britain. *Entomologist's monthly Magazine*, **138**: 33-36.

Ismay, J.W. , 2002. *Microsania vrydaghi* Collart, 1954 (Diptera, Platypezidae) new to Britain. *Dipterists' Digest* **9** (1): 22.

Ismay, J.W. , 2002. Flies. In O'Toole, C.A. (ed.) *The new encyclopedia of insects and their allies*. Oxford University Press, Oxford, pages 130-143.

Kathirithamby, J. and Hughes, D.P. 2002. *Caenocholax fenyessi* Pierce (Strepsiptera: Myrmecolacidae) parasitic in *Camponotus planatus* Roger (Hymenoptera: Formicidae) in Mexico: Is this the original host? *Annals of the Entomological Society of America*, **95**: 558-563.

Lansbury, I. and Lake, P.S. 2002. *Tasmanian Aquatic and Semi-Aquatic Hemipterans*. Identification and Ecology Guide No. **40** 67pp. Cooperative Research Centre for Freshwater Ecology, Albury, NSW.

Mann, D.J. 2002. Is *Meloe* (*Micromeloe*) *decorus* (Brandt & Erichson) a British Species? *The Coleopterist*, **11** (2):64-66.

Mann, D.J. 2002. *Ladybirds, Natural pest control*. Osmia Publications, Banbury 32pp.

Mann, D.J. 2002. Changes to the British Coleoptera List published in 2000 and 2001. *The Coleopterist*, **11** (2): 52-63.

Mann, D.J. 2002. Booklice; Cockroaches; Caddisflies; Earwigs; Stoneflies; Zorapterans; Bugs In O'Toole, C.A. (ed.) *The New Encyclopedia of Insects and their Allies*. Oxford University Press, pages 48-51; 60-61; 62-63; 82; 86-101.

Mann, D.J. and Angus, R.B. 2002. An unusual abundance of some subterranean Coleoptera above ground. *The Coleopterist*, **11** (2): 66-68.

Mann, D.J. and **McGavin, G.C.** 2002. Bristletails. In O'Toole, C.A. (ed.) *The New Encyclopedia of Insects and their Allies*. Oxford University Press, pages 36-37.

Mann, D.J. and **Simpson, S.J.** 2002. Crickets & Grasshoppers. Leaf & Stick Insects. In O'Toole, C.A. (ed.) *The New Encyclopedia of Insects and their Allies*. Oxford University Press, pages 64-75; 76-79.

Martínez-Sánchez, A., Marcos-García, A. and **Pont, A. C.** 2002. *Coenosia attenuata* Stein, 1903 (Diptera, Muscidae) nueva especie para la fauna neotropical. *Bollettino di Zoologia Agraria e Bachicoltura* (2), **34**: 269-272.

O'Toole, C. 2002. *The Red Mason Bee, Osmia rufa: all you need to know*. Osmia Publications, Rothley, Leicestershire, 40pp. (New and revised edition).

O'Toole, C. (ed) 2002. *The New Encyclopedia of Insects and their Allies*. Oxford University Press, Oxford, 240pp.

O'Toole, C.A. 2002. *Bumblebees*. Osmia Publications, Banbury. 42pp.

Pont, A.C. 2002. The Fanniidae (Diptera) described by J. W. Zetterstedt. *Insect Systematics and Evolution*, **33**: 103-112.

Pont, A.C. and Meier, R. 2002. The Sepsidae (Diptera) of Europe. *Fauna entomologica scandinavica*, **37**: 221 pp.

Raper, C. and **Mann, D.J.** 2002. Malaise Trapping- Some tips and tricks. *Bulletin of the Amateur Entomologists' Society* **61**: 48-52.

Ribera, I., **Hogan, J.E.** and Vogler, A.P. 2002. Phylogeny of Hydradephagan Water Beetles inferred from 18S rRNA Sequences. *Molecular Phylogenetics and Evolution* **23**: 43-62.

Simpson, S.J. , Raubenheimer, D., Behmer, S.T., Whitworth, A. and Wright, G.A. 2002. A comparison of nutritional regulation in solitary and gregarious phase nymphs of the desert locust, *Schistocerca gregaria*. *Journal of Experimental Biology*, **205**: 121-129.

Wilson, K., Thomas, M.B., Blanford, S., Doggett, M., **Simpson, S.J.** and Moore, S.L. 2002. Coping with crowds, density-dependent disease resistance in desert locusts. *Proceedings of the National Academy of Sciences* **99**: 5471-5475.

2001

Barclay, M.V.L., **Mann, D.J.** and Ribera, I. 2001. *Canthydrus diophthalmus* (Reiche & Saulcy) in Turkey. *Latissimus* ,**14**: 27.

Behmer, S.T., Raubenheimer, D. and **Simpson, S.J.** 2001. Frequency-dependent food selection in locusts: a geometric analysis of the role of nutrient balancing. *Animal Behaviour*, **61**: 995-1005.

Ismay, J.W. and Clemons, L. 2001. A third British species of *Aphaniosoma* Becker (Dipt., Chyromyidae) *Entomologist's monthly Magazine*, **137**: 211-214.

Ismay, J.W. 2001. Records of *Raineria calceata* (Fallen) (Dipt., Micropezidae) and *Chrysopilus laetus* (Zetterstedt) (Dipt., Rhagionidae) from Burnham Beeches, Buckinghamshire. *Entomologist's monthly Magazine*, **137**: 214.

Ismay, J.W. , Chandler, P.J., O'Connor, J.P. and Nash, R. 2001. Additions to the Irish List of Chloropidae (Diptera), with notes on the A.H. Haliday collection. *Dipterists Digest*, **8**: 53-64.

Kathirithamby, J. 2001. Stand tall and they still get you in your Achilles foot-pad. *Proceedings of the Royal Society*, **268**: 1-3.

Kirk-Spriggs, A.H., **Ismay, J.W.** , **Ackland, D.M.** , Rohacek, J., Mathis, W.N., Forster, G.A., Pape, T., Cranston, P.S. & Meier, R. 2001. Inter-tidal Diptera of southwestern Africa (Chironomidae, Canacidae, Chloropidae, Milichiidae, Tethinidae, Ephydriidae, Sphaeroceridae, Coelopidae, Sarcophagidae and Anthomyiidae. *Cimbebasia* **17**: 85-135.

Krüger, O. and **McGavin, G.C.** 2001. Predator-prey ratio and guild constancy in a tropical insect community. *Journal of the Zoological Society. London*, **253**: 265-273.

- McGavin, G.C.** 2001. Arthropods In: Burnie, D. (ed.) *Animal: the definitive guide to the world's wildlife*. Dorling Kindersley, 546-593.
- Merz, B. and **Pont, A.C.** 2001. Weitere Muscidae (Diptera) neu für die Fauna der Schweiz. *Mitteilungen der entomologischen Gesellschaft, Basel*, **51**: 25-32.
- O'Neill M.A.** and Hilgetag C.C., 2001. PUPS: a dynamically configurable environment for building neuro and bio- informatic data analysis tools. *Proceedings of the Royal Society of London B*, **356** (1412): 1259-1276.
- Mann, D.J.** and Ramsey, A. 2001. *Aegilia (Rhysothorax) rufa* (Fabricius) Scarabaeidae in Britain. *The Coleopterist*, **10**(2): 44-45.
- McGavin, G.C.** 2001. *Essential Entomology: an order by order introduction*. Oxford University Press. 318pp.
- Mann, D.J.** 2001. *Braula schmitzi* Örosi Pål, 1939 (Diptera, Braulidae) in Oxford (V.C. 23) *Dipterists' Digest*, **8**: 30.
- Mann, D.J.** and Cunningham, J. 2001. The Bulow Lepidoptera Collection. *Bulletin of the Amateur Entomologists Society*, **60** (439): 220-230.
- Mann, D.J. & Ismay, J.W.** 2001. *Otiorhynchus crataegi* Germar (Curculionidae) in Abingdon, Berkshire (VC 22). *The Coleopterist* **10** (2): 59-61.
- O'Neill, M.A.** and Hilgetag C.C. 2001. The portable UNIX programming system (PUPS) and Cantor: a computational environment for dynamical representation and analysis of complex neurobiological data. *Proceedings of the Royal Society of London series B*, **356** (1412): 1259-1278.
- Pont, A.C.** 2001. Four replacement names in the tribe Coenosiini (Diptera, Muscidae, Coenosiinae). *Studia dipterologica*, **8**: 266.
- Pont, A.C.** 2001. The identity of three species of *Spilogona* Schnabl (Diptera, Muscidae) described by J.W. Zetterstedt. *Studia dipterologica*, **8**: 333-336.
- Pont, A.C.** 2001. The type-material of Diptera in the Staatliches Museum für Tierkunde Dresden (Insecta). Part IV, Fanniidae and Muscidae. *Entomologische Abhandlungen und Berichte aus dem Staatlichen Museum für Tierkunde in Dresden*, **59**: 455-492.
- Pont, A.C.** and Deeming, J.C. 2001. A shoot-fly *Atherigona tritici* sp. n. (Diptera, Muscidae), attacking wheat *Triticum aestivum* Linnaeus in Egypt. *Bulletin of Entomological Research*, **91**: 297-300.
- Simpson, S.J.** , Despland, E., Haegele, B.F. and Dodgson, T. 2001. Gregarious behaviour in desert locusts is evoked by touching their back legs. *Proceedings of the National Academy of Sciences*, **98**: 3895-3897.
- Simpson, S.J.** and Raubenheimer, D. 2001. A framework for the study of macronutrient intake in fish. *Aquaculture Research*, **32**: 421-432.
- Simpson, S.J.** and Raubenheimer, D. 2001. The geometric analysis of nutrient-allelochemical interactions: a case study using locusts. *Ecology*, **81**: 422-439.
- Stark, A. and **Pont, A.C.** 2001. Tanzende Männchen von *Hilara albiventris* im Saaletal in Halle. *Studia dipterologica*, **8**: 341-344.

2000

- Ackland, D. M.** 2000. *Aphaniosoma propinquans* Collin Dipt., (Chyromyidae) in North Cornwall. *Entomologist's monthly Magazine* **135**: 152.
- Baker, D.B.** 2000. Sutton Natural History Society. *Society for the History of Natural History, Newsletter*, No. **66**: 11.
- Baker, D.B.** 2000. *Andrena pilipes* Fabricius, 1781: designation of neotype (Insecta: Hymenoptera: Apoidea: Andrenidae). *Reichenbachia*, **33**: 421-425.
- Baker, D.B.** 2000. Errata [*Beitr. Ent.*, **49**(2): 485-488, 1999]. *Beiträge zur Entomologie*, **50**(1): 236.
- Bland, K.P. and **Ackland, D.M.** 2000. The Gentian-feeding anthomyiid *Botanophila tuxeni* (Ringdahl, 1953) (Diptera, Anthomyiidae), new to Britain. *Dipterists Digest*, **7**: 27-29.
- Couri, M.S. and **Pont, A.C.** 2000. Cladistic analysis of Coenosiini (Diptera: Muscidae: Coenosiinae). *Systematic Entomology*, **25**: 373-392, 75 figs.
- Dagley, R.D. and **Ismay, J.W.** 2000. Recent records from Epping Forest, Essex of *Ctenophora flaveolata* (Fabricius)(Diptera, Tipulidae). *Dipterists Digest*, **7**(1): 26.
- Despland, E., Collett, M. and **Simpson, S.J.** 2000. Small-scale processes in Desert Locust swarm formation: how vegetation patterns influence gregarization. *Oikos*, **88**: 652-662.
- Despland, E. and **Simpson, S.J.** 2000. Small-scale vegetation patterns in the parental environment influence the phase state of hatchlings of the desert locust. *Physiological Entomology*, **25**: 74-81.
- Despland, E. and **Simpson, S.J.** 2000. The role of food distribution and nutritional quality in behavioural phase change in the desert locust. *Animal Behaviour*, **59**: 643-652.
- Gouveia, S.M., Zanutto, F.P., Raubenheimer, D. and **Simpson, S.J.** 2000. Respiratory correlates of feeding behaviour in *Locusta migratoria*. *Physiological Entomology*, **25**: 88-93.
- Haegele, B., McCaffery, A.R., Oag, V., Bouaichi, A. and **Simpson, S.J.** 2000. Role of the reproductive accessory glands in maternal transmission of phase in the desert locust. *Journal of Insect Physiology*, **46**: 275-280.
- Haegele, B.F. and **Simpson, S.J.** 2000. The influence of mechanical, visual and contact chemical stimulation on the behavioural phase state of solitary desert locusts (*Schistocerca gregaria*). *Journal of Insect Physiology*, **46**: 1295-1301.
- Ismay, J.W.** and Nartshuk, E.P. 2000. Family Chloropidae. In: Papp, L and Darvas, B. (eds). *Contributions to a Manual of Palearctic Diptera. Appendix*. Science Herald, Budapest: 387-431
- Kathirithamby, J.** 2000. Morphology of the female Myrmecolacidae (Strepsiptera) including the apron, and an associated structure analogous to the peritrophic matrix. *Zoological Journal of the Linnean Society*, **128**: 269-287.
- Kirk-Spriggs, A.H. and **Mann, D.J.** 2000. *Gyrinus suffriai* Scriba (Coleoptera, Gyrinidae) and other aquatic Coleoptera from Crymlyn Bog Nature Reserve, Glamorgan, Wales. *Latissimus*, 2-3
- Krüger, O. and **McGavin, G.C.** 2000. Macroecology of local insect communities. *Acta Oecologica*, **21**(1): 21-28.
- Mann, D.J.** 2000. A New Museum Pest in Britain *Natural Sciences Conservation Group Newsletter* **13**: 11.
- Mann, D.J.** 2000. A Course Review: Insect Pests in Museums NHM External Course *Natural Sciences Conservation Group Newsletter* **13**: 12-13.
- Mann, D.J.** 2000. Ask Before you Guess. *Natural Sciences Conservation Group Newsletter*, **13**: Ten Agents of Deterioration 8. Pollution, 13-14
- Mann, D.J.** 2000. Pests from Non-Collection Sources *Natural Sciences Conservation Group Newsletter*, **14**: 22-23.

- Mann, D.J.** 2000. Changes to the British List Published in 1998 and 1999. *The Coleopterist* **9**(2): 49-53.
- Mann, D.J.** 2000. Unusual host-plants for *Prasocuris phellandrii* (Linnaeus, 1758) (Chrysomelidae). *The Coleopterist* **9**(2): 92.
- Mann, D.J.** 2000. 1999 Annual Exhibition, Imperial College, London SW7. 27 November 1999. Winter Breeding *Aphodius* (Scarabaeidae). *British Journal of Entomology and Natural History* **13**: 179.
- Mann, D.J.** 2000. 1999 Annual Exhibition, Imperial College, London SW7. 27 November 1999. A recent capture of *Brindalus porcicollis* (Scarabaeidae). *British Journal of Entomology and Natural History* **13**: 179.
- Mann, D.J.** and Booth, R. G. 2000. *Brindalus porcicollis* (Illiger) Coleoptera: Scarabaeidae in Britain. *British Journal of Entomology and Natural History* **13**: 137-145.
- McGavin, G.C.** 2000. *Dorling Kindersley Handbooks: Insects, spiders and other terrestrial arthropods*. Dorling Kindersley. 256pp.
- Meier, R., and **Pont, A.C.** 2000. A.10. Family Sepsidae. In: Papp, L., and Darvas, B. (eds). *Contributions to a Manual of Palaearctic Diptera (with special reference to flies of economic importance)*. Appendix. Science Herald, Budapest, 367-386, 43 figs
- O'Toole, C.** 2000. Mixing it with those other bees. *Bee World*, **81**(10): 3-4.
- O'Toole, C.** 2000. Untitled review of *Entomökologie der rezenten Seidenbiene Colletes*, by Detlef Mader. Logabook, Köln, 1999. *Entomologist's Gazette*, **51**: 95-96.
- Pont, A.C.** 2000. A.13. Family Fanniidae. In: Papp, L., and Darvas, B. (eds), *Contributions to a Manual of Palaearctic Diptera (with special reference to flies of economic importance)*. Appendix. Science Herald, Budapest, 447-454, 15 figs.
- Pont, A.C.** 2000. The first fly of the millennium. *Dipterists Digest*, Series 2, **7**: 2.
- Pont, A.C.** 2000. Type-material of Fanniidae (Diptera) in the Hope Entomological Collections, University Museum of Natural History, Oxford. *Entomologist's monthly Magazine*, **136**: 95-116.
- Pont, A.C.**, and Grainger, P. 2000. *Atherigona varia* (Meigen, 1826) in Southern England (Diptera, Muscidae). *Dipterists Digest*, Series 2, **7**: 53-58, 2 figs.
- Simpson, S.J.** and Raubenheimer, D. 2000. The Hungry Locust. *Advances in the Study of Behavior*, **29**: 1-44.
- Stephan, K.E., Hilgetag, C-C., Burns, G.A.P.C., **O'Neill, M.A.**, Young, M.P. and Kötter, R. 2000. Computational analysis of global functional connectivity between areas of primate cerebral cortex. *Philosophical Transactions of the Royal Society B*, **355**: 111-126.
- Sword, G.A. and **Simpson, S.J.** 2000. Intra versus interspecific function of density-dependent colour change in the desert locust: an aposematic perspective. *Animal Behaviour*, **59**: 861-870.
- Wright, G.A., Raubenheimer, D. and **Simpson, S.J.** 2000. The use of *Arabidopsis* mutants in the study of nutrient balancing and foraging by locusts. *Chemoecology*, **10**: 59-67.
- 1999**
- Ackland, D. M.** 1999. A new species of *Eudorylas* from Scotland (Diptera, Pipunculidae). *Dipterists Digest* **6**: 35-39.
- Baker, D.B.** 1999. The *Faunæ Ligusticææ Fragmenta* of Massimiliano Spinola (1805). *Beiträge zur Entomologie*, **49**: 141-146.
- Baker, D.B.** 1999. The localities of Scopoli's *Entomologia Carniolica* (1763) *Entomologist's Gazette*, **50**: 188-198.
- Baker, D.B.** 1999. J.D. Alfken's publications on the Hymenoptera. *Beiträge zur Entomologie*, **49**: 463-483.

- Baker, D.B.** 1999. The nomenclature of European *Colletes* (Hymenoptera, Apoidea) - a correction; and the dates of the Apoidea of Frey-Gessner's Hymenoptera Helvetiae (1898-1912) and Hyménoptères du Valais (1902-1916) (Hymenoptera). *Beiträge zur Entomologie*, **49**: 485-488.
- Baker, D.B.** 1999. On new stelidine bees from S.W. Asia and N.W. Africa, with a list of the Old-World taxa assigned to the genus *Stelis* Panzer, 1806 (Hymenoptera, Apoidea, Megachilidae). *Mitteilungen aus dem Museum für Naturkunde in Berlin; Deutsche Entomologische Zeitschrift*, **46**(2): 231-242.
- Bland, K.P., Godfray, H.C.J., and **Henshaw, D.** 1999. Three species of leaf-mining Agromyzidae (Diptera) on globeflower, *Trollius europaeus*, new to Britain. *Dipterists Digest*, **6**: 50-52.
- Couri, M.S., and **Pont, A.C.** 1999. A key to the world genera of the Coenosiini (Diptera, Muscidae, Coenosiinae). *Studia dipterologica*, **6**: 93-102, 37 figs.
- Douroupi, T., Konstandi, O., **Kathirithamby, J** and Margaritis, L.H. 1999. Histochemistry and molecular evidence of peroxidase activity in *Segestidea novaeguineae* (Orthoptera) and *Stichotrema dallatorreanum* (Strepsiptera). *Proceedings of the Panhellenic 21st Meeting of Biology*, Skyros, Greece, May 1999.
- Ismay, J.W.** 1999. The British and Irish genera of Chloropinae (Dipt., Chloropidae). *Entomologist's monthly Magazine*, **135**: 1-37.
- Ismay, J.W.** 1999. A review of the ecology and distribution of *Bombylius discolor* Mikan (Diptera, Bombyliidae). *English Nature Research Reports*, **309**: 1-21.
- Lane, S.L. and **Mann, D.J.** 1999. *Philonthus spinipes* (Sharp) Staphylinidae and other species of note from manure heaps in Warwickshire *The Coleopterist*, **8**(2): 92-3.
- Mann, D.J.** 1999. *Puncticorpus cribratum* (Villeneuve) (Diptera: Sphaeroceridae) at Bookham Common, Surrey *Entomologist's Monthly Magazine*, **135**: 142.
- McGavin, G.C.** 1999. Arthropod diversity and the tree flora of Mkomazi. In: Coe, M.J., McWilliam, N.C., Stone, G.N. and Packer, M.J. (eds). *Mkomazi: The Ecology, Biodiversity and Conservation of a Tanzanian Savanna*. Royal Geographical Society, London, 371-390
- O'Toole, C.** 1999. The Chafford Hundred Experience: surveying aculeate Hymenoptera in a large, post-industrial building development. In: Jones, R. and Munn, P. (eds) *Habitat Management for Wild Bees and Wasps*. International Bee Research Association, Cardiff, in conjunction with English Nature and the Bees, Wasps and Ants Recording Society, 17-29.
- O'Toole, C.** 1999. Reducing the taxonomic impediment on pollinators., In: Diaz, B., Raw, A. and Imperatriz-Fonseca, V. (eds) *Proceedings of the International Workshop on the Conservation and Sustainable Use of Pollinators in Agriculture, with Special Emphasis on Bees*, São Paulo, 7-9 October, 1998. Ministries of Environmental Affairs and Agriculture, Government of Brazil, Brasilia. D.F., Brazil, 1-14.
- Raubenheimer, D. and **Simpson, S.J.** 1999. Integrating nutrition: a geometrical approach. *Entomologia experimentalis et Applicata*, **91**: 67-82.
- Rogers, S.M. and **Simpson, S.J.** 1999. Chemodiscriminatory neurones in the sub-oesophageal ganglion of *Locusta migratoria* L. *Entomologia experimentalis et Applicata*, **91**: 19-28.
- Rokas, A., **Kathirithamby, J.** and Holland, P. 1999. Intron insertion as a phylogenetic character: the engrailed homeobox of Strepsiptera does not indicate affinity with Diptera. *Insect Molecular Biology*, **8**(4): 527-530.
- Roper, T., Skidmore, P., and **Pont, A.C.** 1999. *Helina cinerella* (Wulp, 1867) (Dipt., Muscidae), new to Britain. *Entomologist's monthly Magazine*, **135**: 207-209.
- Skidmore, P. and **Pont, A. C.** 1999. *Phaonia longicornis* Stein, 1916 (Diptera, Muscidae) new to Britain. *Dipterists Digest* (2), **6**: 44-46.

Simpson, S.J. and Raubenheimer, D. 1999. Geometric models of macronutrient selection. *In: Berthoud, H-R and Seeley, R.J.,(eds), Neural Control of Macronutrient Selection*, CRC Press, Boca Raton, 29-42.

Simpson, S.J., McCaffery, A.R. and Haegele, B. 1999. A behavioural analysis of phase change in the desert locust. *Biological Reviews*, **74**: 461-480.

Simpson, S.J. and Raubenheimer, D. 1999. Assuaging nutritional complexity: a geometric approach. *Proceedings of the Nutrition Society*, **58**: 779-789.

Sword, G.A., **Simpson, S.J.**, El Haldi, O.U.M. and Wilps, H. 1999. Density-dependent aposematism in the desert locust. *Proceedings of the Royal Society of London, B*. **267**: 63-68.

Wright, G.A., Raubenheimer, D. and **Simpson, S.J.** 1999. The pattern of feeding of the Costa Rican weevil, *Exophthalmus jekelianus*. *Physiological Entomology*, **24**: 391-397.

1998

Ackland, D.M. 1998. Structure versus pattern in defining species limits in Afrotropical *Anthomyia* species (Anthomyiidae). *In: Ismay, J.W.* (ed.) Abstracts Volume, *Fourth International Congress of Dipterology*, 6-13th September 1998, Keble College, Oxford, UK, 4.

Baker, D.B. 1998. The dates of publication of Pérez's *Espèces Nouvelles de Mellifères*, 1902-1903. *Entomologist's. Gazette*, **49**: 67-68.

Baker, D.B. 1998. On some cleptoparasitic bees of the genera *Aglaopis* and *Pardioxys* (Hymenoptera, Apoidea, Megachilidae), with a description of a remarkable new species. *Entomologist's. Gazette*, **49**: 203-208.

Baker, D.B. 1998. The Hymenoptera collections of William Edward Shuckhard and the dispersal of his type material. *Beiträge zur Entomologie*, **48**: 157-174.

Baker, D.B. 1998. Taxonomic and phylogenetic problems in Old World eucerine bees, with special reference to the genus *Tarsalia* Morawitz, 1895 (Hymenoptera, Apoidea, Anthophoridae). *Journal of Natural History*, **32**: 823-860.

Baker, D.B. 1998. Notes on *Pithitis* species from the Indian subcontinent (Insecta: Hymenoptera: Apoidea). *Reichenbachia*, **32**: 85-90.

Baker, D.B. 1998. Validity of Gistel names in the Insecta. *Beiträge zur Entomologie*, **48**: 539.

Carcupino, M., **Kathirithamby, J.** and Mazzini, M. 1998. Sperm ultrastructure in Srepsiptera. *International Journal of Insect Morphology and Embryology* (Special Issue), **27**(1): 9-19

Carvalho, C.J.B. de, and **Pont, A.C.** 1998. A revision of New World *Brontaea*. *Revista bras. Zool.* **14**: 723-749, 51 figs.

Chambers, P.G., **Simpson, S.J.** & Raubenheimer, D. 1998. The functional significance of switching interval in food mixing by *Locusta migratoria*. *Journal of Insect Physiology*, **44**: 77-85.

Collett, M., Despland, E., **Simpson, S.J.** and Krakauer, D.C. 1998. The spatial scales of locust gregarisation. *Proceedings of the National Academy of Science*, **95**: 13052-13055.

Davies, N. and **Spencer Smith, D.** 1998. Munroe revisited: a survey of West Indian butterfly faunas and their species:area relationships. *Global Ecology and Biogeography Letters*, **7**: 285-294.

Ho, M-W., Traavik, T., Olsvik, O., Tappeser, B., Howard, C.V., Von-Weizsacker, C. and **McGavin, G.C.** 1998. Gene technology and gene ecology of infectious diseases. *Microbial Ecology in Health and Disease*, **10** (1): 33-59.

Ismay, J.W. 1998. *Ceromya flaviseta* (Villeneuve) (Diptera, Tachinidae) new to Britain. *Dipterists Digest*, **5**(1): 28-29.

Ismay, J.W. 1998. A re-examination of *Strobliola* Czerny, a senior synonym of *Aprometopis* Becker (Diptera, Chloropidae). *Studia Dipterologica*, **5**: 47-53.

Ismay, J.W. 1998. Asteiidae. *In: Oosterbroek, P.* (ed.) *The Diptera families of North Borneo, Indonesia and Papua New Guinea*. Fauna Malesia Handbook, Leiden, Netherlands, 128.

- Ismay, J.W.** 1998. Axiniidae. In: Oosterbroek, P. (ed.) *The Diptera families of North Borneo, Indonesia and Papua New Guinea*. Fauna Malesia Handbook, Leiden, Netherlands, 141-142.
- Ismay, J.W.** 1998. Chloropidae. In: Chandler, P.J. (ed.) Checklists of Insects of the British Isles (New Series) Part 1: Diptera. *Handbooks for the Identification of British Insects*, **12**(1): 145-49.
- Ismay, J.W.** 1998. Chloropidae. In: Oosterbroek, P. (ed.) *The Diptera families of North Borneo, Indonesia and Papua New Guinea*. Fauna Malesia Handbook, Leiden, Netherlands, 131-132.
- Ismay, J.W.** 1998. Fergusoninidae. In: Oosterbroek, P. (ed.) *The Diptera families of North Borneo, Indonesia and Papua New Guinea*. Fauna Malesia Handbook, Leiden, Netherlands, 122-123.
- Ismay, J.W.** 1998. The zoogeography of Chloropidae in New Guinea. In: **Ismay, J.W.** (ed.) Abstracts Volume, *Fourth International Congress of Dipterology*, 6-13th September 1998, Keble College, Oxford, UK, 90-91.
- Ismay, J.W.** (ed.) 1998. Abstracts Volume, *Fourth International Congress of Dipterology*, 6-13th September 1998, Keble College, Oxford, UK, 1-275.
- Ismay, J. W.** and **Pont, A. C.** 1998. A recent record of *Meroplius minutus* (Wiedemann) (Diptera, Sepsidae) from Middlesex. *Entomologist's monthly Magazine*, **134**: 344.
- Ismay, J.W.** & Rotheray, G.E. 1998. New records of Chloropidae (Diptera) from Scotland and the early stages of *Calamoncosis glyceriae*. *Dipterists Digest*, **5**(1): 19-22.
- Kathirithamby, J.** 1998. Systematics and Morphology of Strepsiptera (Introduction). *International Journal of Insect Morphology and Embryology* (Special Issue) **27**(1), 1-2.
- Kathirithamby, J.** 1998. Host-parasite associations: anatomical and developmental consequences. *International Journal of Insect Morphology & Embryology* (Special Issue) **27**(1): 39-51.
- Kathirithamby, J., Simpson, S.J., Solulu, T.** and Caudwell, R. 1998. Strepsiptera parasites-novel biocontrol tools for oil palm integrated management in Papua New Guinea. *International Journal of Pest Management*, **44**(3): 127-133.
- Kathirithamby, J., Solulu, T.** and Caudwell R. 1998. Biological control agents for oil palm IPM in Papua New Guinea. *Proceedings of the IOPRA International Oil Palm Conference*, Bali, September 1998.
- Krüger, O. and **McGavin, G.C.** 1998. Insect diversity of *Acacia* canopies in Mkomazi Game Reserve, north-east Tanzania. *Ecography*, **21**: 261-268.
- Krüger, O. and **McGavin, G.C.** 1998. Community structure of the insect fauna of Acacias in Mkomazi Game Reserve, north-east Tanzania. *Proceedings VII Intecol Congress, Florence 1998*, 240.
- Krüger, O. and **McGavin, G.C.** 1998. The influence of ants on the guild structure of *Acacia* insect communities in Mkomazi Game Reserve, north-east Tanzania. *African Journal of Ecology*, **36**: 213-220.
- Mann, D.J.** 1998. *Athous campyloides* (Elateridae) in Wales and other species of interest. *The Coleopterist* **7**(1): 18-19
- Mann, D.J.** 1998. 1996 Annual Exhibition, Imperial College, London SW7. 2 November 1996. *Tesarius mcclayi* (Cartwright) (Scarabaeidae), New to Britain *British Journal of Entomology and Natural History* **10**: 174
- Mann, D.J.** and Pavett, P.M. 1998. 1996 Annual Exhibition, Imperial College, London SW7. 2 November 1996. Coleoptera at Allt yrs Esgair, Wales *British Journal of Entomology and Natural History* **10**: 174.
- McCaffery, A.R., **Simpson, S.J., Islam, M.S.** & Roessingh, P. 1998. A gregarizing factor present in egg pod foam of the desert locust *Schistocerca gregaria*. *Journal of experimental Biology*, **201**: 347-363.

- O'Neill, M.A.**, Weeks, P.J.D., Gaston, K.J. and Gauld, I. D. 1998. Insect identification using stochastic optimisation techniques. *In: Chesmore, E.D. (ed.) Proceedings BIGCAT conference 1997.*
- O'Toole, C.** 1998. Those other bees. *Bee World*, **78**(3): 105-107.
- O'Toole, C.** 1998. Bees please. *BBC Wildlife Magazine*, **16**(8): 10-17.
- Peacey, M. and **Ismay, J.W.** 1998. *Neorhegmoclemina catharinae* Haenni (Diptera, Scatopsidae) new to Britain. *Entomologist's monthly Magazine*, **134**: 151-152.
- Pont, A.C.** 1998. The Kowarz Collection of Diptera in the University Museum of Natural History, Oxford, U.K. *Studia dipterologica*, **4**: 353-358.
- Pont, A. C.** 1998. Fanniidae. *In: P. Oosterbroek, The families of Diptera of the Malay Archipelago. Fauna Malesiana Handbook 1*, Brill, Leiden-Boston-Köln, 139
- Pont, A. C.** 1998. Muscidae. *In: P. Oosterbroek, The families of Diptera of the Malay Archipelago. Fauna Malesiana Handbook 1*. Brill, Leiden-Boston-Köln, 139-141.
- Pont, A.C.** 1998. Families Sepsidae, Fanniidae, Muscidae, Oestridae. *In: Chandler, P. J. (ed.), Checklists of Insects of the British Isles (New Series), Part 1: Diptera (incorporating a list of Irish Diptera). Handbooks for the Identification of British Insects 12*, 134: 170-171, 171-177, 193.
- Pont, A.C. and Ismay, J.W.** 1998. The Diptera of the Hope Entomological Collections, University Museum of Natural History, Oxford. *In: Ismay, J.W. (ed.) Abstracts Volume, Fourth International Congress of Dipterology, 6-13th September 1998, Keble College, Oxford, UK, 175-176.*
- Pont, A.C. and Merz, B.** 1998. 98. Fanniidae. 99. Muscidae. *In: Merz, B., Bächli, G., Haenni, J.-P. and Gonseth, Y., Fauna Helvetica, 1. Diptera - Checklist.. Centre Suisse de Cartographie de la Faune, and Schweizerische Entomologische Gesellschaft, Neuchâtel, 318-320, 321-329.*
- Raubenheimer, D. & **Simpson, S.J.** 1998. Nutrient transfer functions: the site of integration between feeding behaviour and nutritional physiology. *Chemoecology*, **8**: 61-68.
- Roessingh, P., Bouaichi, A. & **Simpson, S.J.** 1998. Effects of sensory stimuli on the behavioural phase state of the desert locust, *Schistocerca gregaria*. *Journal of Insect Physiology*, **44**: 883-893.
- Rotheray, G.E., Horsfield, D., **Ismay, J.W.** & Chandler, P.J. 1998. *Bellardia bayeri* (Diptera, Calliphoridae) new to Britain and a description of the puparium. *Dipterists Digest*, **5**(1): 30-33.
- Solulu, T., **Simpson, S.J.** and **Kathirithamby, J.** 1998. The effect of strepsipteran parasitism on a tettigoniid pest of oil palm in Papua New Guinea. *Physiological Entomology*, **23**(3): 388-398.
- Webb, S.C., Hedges, R.E.M. and **Robinson, M.**, 1998. The seaweed fly *Thoracochoaeta zosteræ* (Hal.) (Diptera: Sphaerocidae) in inland archaeological contexts: $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ solves the puzzle, *Journal of Archaeological Science*, **25**: 1253-9.
- Webb, S.C., Hedges, R. and **Simpson, S.J.** 1998. Diet quality influences the $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of locusts and their biochemical components. *Journal of experimental Biology*, **201**: 2903-2911.
- Webb, S.C., **Simpson, S.J.** and Hedges, R. 1998. The effect of diet quality on the $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ in the tissues of locusts, *Locusta migratoria*. *Isotopes in Environmental and Health Studies*, **34**: 43-51.
- Zudaire, E., **Simpson, S.J.** and Montuenga, L.M. 1998. Effects of food nutrients, age during the stadium and stage in the feeding cycle on the FMRF amide immunoreactivity of diffuse endocrine cells in the locust gut. *Journal of experimental Biology*, **201**: 2971-2979.

1997

- Baker, D.B.** 1997. New Melectini from Western China (Hymenoptera, Apoidea, Anthophoridae) *Entomologist's Gazette*, **48**: 245-256.

- Baker, D.B.** 1997. The Apoidea described by Johannes Nepomuk Franz Xaver Gistel. *Beiträge zur Entomologie*, **47**: 327-336.
- Baker, D.B.** 1997. C.G. Ehrenberg and W.F. Hemprich's travels, 1820-1825 and the Insecta of the *Symbolae Physicae*. *Deutsche entomologische Zeitschrift*, **44**: 165-202 .
- Chambers, P.G., **Simpson, S.J.** & Raubenheimer, D. 1997. The selection of nutritionally balanced foods by *Locusta migratoria*: the interaction between food nutrients and added flavours. *Physiological Entomology*, **22**: 99-206.
- Hilgetag, C.C., **O'Neill, M.A.** and Young, M.P. 1997. Optimization Analysis of Complex Neuroanatomical Data. In: Bower, J. M. ed. *Computational Neuroscience: Trends in Research*. Plenum New York and London, 925-930.
- Ismay, J.W.** & S.H. Lee. 1997. Notes on Korean Chloropidae (Diptera). *Korean Journal of Applied Entomology*, **37**(1): 1-7.
- Kathirithamby, J.** 1997. Waloffidae, a new family of Strepsiptera (Insecta). *58th Congresso Nazionale Unione Zoologia Italiana, Cattolica Settembre 1997*, Riassunti dei Contributi scientifici, 8 pp.
- Kovac, D., **Pont, A.C.** and Skidmore, P. 1997. *Graphomya kovaci* sp.n. from bamboo phytotelmata in Indonesia: adult, immature stages, and biology (Insecta: Diptera: Muscidae). *Senckenbergiana biologica*, **77**: 37-45, 29 figs.
- Krüger, O. and **McGavin, G.C.** 1997. The insect fauna of *Acacia* species in Mkomazi Game Reserve, north-east Tanzania. *Ecological Entomology*, **22**: 440-444.
- McGavin, G.C.** 1997. *Expedition Field Techniques: Insects and other terrestrial arthropods*. Royal Geographical Society, London. 94 pp.
- McGavin, G.C.** 1997. Beneath the rain forest: Arthropod community structure in a Thai river cave. In: H. Ulrich (ed.) *Tropical Biodiversity and Systematics*. Proceedings of the International Symposium on Biodiversity and Systematics in Tropical Ecosystems, Bonn, 1994. Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn. 259-268
- Merz, B., and **Pont, A.C.** 1997. Neue Muscidae (Diptera) für die Fauna der Schweiz. *Mitteilungen der entomologischen Gesellschaft Basel*, **47**: 38-44.
- Merz, B., and **Pont, A.C.** 1997. Die Fanniidae (Diptera) der Schweiz. *Mitteilungen der Schweizerischen entomologischen Gesellschaft*, **70**: 409-418.
- Pont, A.C.** 1997. The Muscidae and Fanniidae (Insecta, Diptera) described by C. R. W. Wiedemann. *Steenstrupia*, **23**: 87-121.
- Pont, A.C.**, and Carvalho, C.J.B. de. 1997. Three species of Muscidae (Diptera) from Dominican amber. *Studia dipterologica*, **4**: 173-181, 17 figs.
- Raubenheimer, D. & **Simpson, S.J.** 1997. Integrative models of nutrient balancing: application to insects and vertebrates. *Nutrition Research Reviews*, **10**: 151-179.
- Rogers, S.M. & **Simpson, S.J.** 1997. Experience-dependent changes in the number of chemosensilla on the mouthparts and antennae of *Locusta migratoria*. *Journal of experimental Biology*, **200**: 2313-2321.
- Zanotto, F.P., Gouveia, S.M., **Simpson, S.J.**, Raubenheimer, D. & Calder, P.C. 1997. Nutritional homeostasis in locusts: is there a mechanism for increased energy expenditure during carbohydrate overfeeding? *Journal of experimental Biology*, **200**: 2437-2448.

1996

- Baker, D.B.** 1996. Pfeiffer, Wallace, Allen and Smith; the discovery of the Hymenoptera of the Malay Archipelago. *Archives of Natural History*, **23**: 379-426.
- Baker, D.B.** 1996. Hymenoptera collections of Boyer de Fonscolombe: Apoidea in the University Museum, Oxford. *Journal of Natural History*, **30**: 537-550.

- Baker, D.B.** 1996. On a collection of *Bombus* and *Psithyrus* from Sutherland with notes on the nomenclature or status of three species (Hymenoptera, Apoidea). *British Journal of Entomology and Natural History*, **9**: 61-62.
- Baker, D.B.** 1996. The dates of Schmiedeknecht's *Apidae Europaeae*. *Archives of Natural History*, **23**(2): 295-297.
- Baker, D.B.** 1996. On a collection of humble-bees (Hymenoptera, Apoidea, Bombinae) from northern Iran. *Beiträge für Entomologie*, **46**: 109-132.
- Baker, D.B.** 1996. Priorities of publication for some nineteenth-century works describing new taxa of Hymenoptera, principally Apoidea. *Archives of Natural History*, **23**(2): 299-301.
- Baker, D.B.** 1996. An annotated checklist of the nominal species assigned to the genus *Afrostelis* Cockerell (Hymenoptera, Apoidea, Megachilidae). *D. ent. Z.*, **43**: 155-157.
- Bouaichi, A., **Simpson, S.J.** and Roessingh, P. 1996. The influence of environmental microstructure on the behavioural phase state and distribution of the desert locust. *Physiological Entomology*, **21**: 247-256.
- Chambers, P.G., **Simpson, S.J.** and Raubenheimer, D. 1996. Behavioural mechanisms of nutrient balancing in *Locusta migratoria* nymphs. *Animal Behaviour*, **50**: 1513-1523.
- Ismay, J.W.** 1996. New species of Chloropinae (Diptera: Chloropidae) from Australia. *Australian Journal of Entomology*, **35**: 177-185.
- Ismay, J.W.** 1996. Aspects of Quarantine in Papua New Guinea. In: *96 International Symposium. Import and Export of Agricultural Products and Plant Quarantine*. Institute of Agricultural Science and Development, Korea. Unpaginated addendum, 2pp.
- Lansbury, I.** 1996. Notes on the Types of *Notonecta halophila* Edwards. *Entomologist's Monthly Magazine*, **132**: 45-47.
- Lansbury, I.** 1996. New species of *Ciliometra* (Gerridae) from Papua New Guinea. *Entomologist's Monthly Magazine*, **132**: 55-60.
- Lansbury, I.** 1996. Notes on the marine veliid genera *Haloveloides*, *Halovelia* and *Xenobates* (Veliidae) of Papua New Guinea. *Tijdschrift voor Entomologie*, **139**: 17-28.
- McGavin, G.C.** 1996. The Fascination of Infestation. Review of *Insects through the Seasons* by Gilbert Waldbauer. *Nature*, **380**: 402.
- McGavin, G.C.** 1996. Untitled review of *True Bugs of the World*: (Hemiptera: Heteroptera): Classification and Natural History by Randall T. Schuh and James A. Slater. *Systematic Entomology*, **21**: 75.
- O' Toole, C.** 1996. Sex aids for plants. Review of *The Natural History of Pollination* by Proctor, M., Yeo, and Lack, A. Harper Collins, London 479pp. *BBC Wildlife Magazine*, **14**:7: 80.
- Pont, A.C.** 1996. The Dipterist C. R. W. Wiedemann (1770-1840). His life, work and collections. *Steenstrupia*, **21**: 125-154, 1 fig.
- Pont, A.C.** 1996. Some reflections on the history of systematic Dipterology. *Dipterists Digest*, Series 2, **2**: 49-70.
- Pont, A.C.** 1996. Muscidae (Diptera) described by B. A. Gimmerthal. *Studia Dipterologica*, **3**: 19-22.
- Raubenheimer, D. and **Simpson, S.J.** 1995. Constructing nutrient budgets. *Entomologia experimentalis et Applicata*, **77**: 99-104.
- Raubenheimer, D. and **Simpson, S.J.** 1996. Meeting nutrient requirements: the roles of power and efficiency. *Entomologia experimentalis et Applicata*, **80**: 65-68.
- Schaefer, H. 1996. *Die fantastische Welt der exotischen Wanzen und Zikaden. The fantastic world of exotic bugs and cicadas*. Translated by **Adrian C. Pont**. 358 pp. Schaefer, Munich.
- Simpson, S.J.** and **McGavin, G.C.** 1996. *The Angler's Fly Identifier*. Aurum Press, London 192pp.

Simpson, S.J. and **McGavin, G.C.** 1996. *The Right Fly*. Running Press Book Publishers, Philadelphia. 192pp.

Simpson, S.J. and Raubenheimer, D. 1996. Feeding behaviour, sensory physiology and nutrient feedback: a unifying model. *Entomologia experimentalis et Applicata*, **80**: 55-64.

Woo, K-S., and **Cho, K-S.** 1996. *Cladistics*. Seoul National University Press.

Zanotto, F.P., Raubenheimer, D. and **Simpson, S.J.** 1996. Nutritional homeostasis and control of food intake in locusts fed unbalanced diets. *Journal of comparative Physiology B*, **166**: 223-229.

1995

Ackland, D.M. 1995. Revision of Afrotropical *Emmesomya* Malloch, 1917 (Diptera: Anthomyiidae), with descriptions of seven new species. *Annals of the Natal Museum*, **36**: 21-86.

Ackland, D.M. 1995. Two new species of *Leucophora* Robineau-desvoidy, 1830 (Diptera: Anthomyiidae) from southern Africa. *Annals of the Natal Museum*, **36**: 87-95.

Baker, D.B. 1995. The provenance of the Hymenoptera collected in Iran by Don Manuel Martinez de la Escalera. *Entomologist's Gazette*, **46**: 279-282.

Baker, D.B. 1995. A review of the asiatic species of *Euaspis* (Hymenoptera, Apoidea, Megachilidae). *Zool. Med. Leiden*, **69**: 281-302.

Baker, D.B. 1995. The nomenclature of Japanese *Colletes* (Hymenoptera, Colletidae)- a correction. *Entomologist's Gazette*, **46**: 194.

Baker, D.B. 1995. Type Material in the University Museum, Oxford, of bees described by Comte Amédée Lepeletier de Saint-Fargeau and Pierre André Latreille (Hymenoptera, Apoidea). *Journal of Natural History*, **28**: 1189-1204.

Baker, D.B. 1995. Case 2884. *Xerammobtaes* Popov, 1951 (Insecta, Hymenoptera): proposed designation of *Ammobates* (*Xerammobates*) oxianus Popov, 1952 as the Type species. *Bulletin of Zoological Nomenclature*, **52**(2): 157-158.

Baker, D.B. 1995. A new Malayan *Andrena* (Hymenoptera, Apoidea). *D. ent. Z.*, **42**(1): 67-69.

Bouaichi, A., Roessingh, P. and **Simpson, S.J.** 1995. An analysis of the behavioural effects of crowding and re-isolation on solitary-reared adult desert locusts (*Schistocerca gregaria*, Forskal) and their offspring. *Physiological Entomology*, **20**: 199-208.

Cho, K-S. 1995. Correct cladistic analysis. *Newsletter of the Korean Society of Systematic Zoology*, **23**: 1-8.

Gorodkov, K., **Pont, A.C.** and Rozkonský, R. 1995. Diptera Muscoidea. In: Minelli, A., Ruffo, S. and La Posta, S. (eds), *Checklist delle specie della fauna italiana*, **77**: 18 pp. Calderini, Bologna.

Hernández, L.R., Alayón, G. and **Smith, D.S.** 1995. A new subspecies of *Parides gundlachianus* from Cuba (Lepidoptera: Papilionidae). *Tropical Lepidoptera*, **6**(1): 15-20.

Hofmann, H., and Marktanner, T. 1995. Collins Nature Guides. *Butterflies and Moths of Britain and Europe*. Translated by **Adrian Pont**. 158 pp. Harper Collins.

Ismay, J.W. 1995. Some New Guinea Chloropinae with a new Oriental genus (Diptera: Chloropidae). *Entomologist's Monthly Magazine*. **131**: 127-137.

Knowles, D.O. and **Smith, D.S.** 1995. First records of *Parachoranthus magdalia* (Hesperiidae) from the Bahamas, and extension of the Bahamian range of *Battus devilliers*. *Journal of the Lepidopterist's Society*, **49**: 91-94.

Lansbury, I. 1995. Notes on the genus *Anisops* Spinola (Hemiptera-Heteroptera, Notonectidae) of the Northern Territory and Western Australia. *The Beagle, Records of the Museums and Art Galleries of the Northern Territories*, **12**: 65-74

Lansbury, I. 1995. Notes on Corixidae and Notonectidae (Hemiptera: Heteroptera) of south Western Australia. *Records of the Western Australian Museum*, **17**: 181-189.

- McGavin, G.C.** 1995. Snakes, Bats and the Biggest Whipspider in the World. *In*: Wallace, M. (ed), *Back in Time for Tea and Medals*, Studio 6, Gosport, Hampshire.
- McGavin, G.C.** 1995. A Preliminary Report on the Cave-dwelling Arthropods found during Exercise Tham Farang. *Exercise Tham Farang*, Combined Services Caving Association Report, 26-34.
- McGavin, G.C.** 1995. *Butterflies*. Junior Nature Guides. 81pp Dragon's World, Limpsfield & London.
- McGavin, G.C.** 1995. Six Legs Good. Review of *Bugs in the System: Insects and Their Impact on Human Affairs* by M.R. Berenbaum. *Scientific American* **273**: 88-89.
- McGavin, G.C.** 1995. Eight articles on insects and other invertebrates *In*: *BUGS* magazine. Orbis Publications Ltd, London.
- O' Toole, C.** 1995. Bee systematics in Europe: the continuing crisis. *In*: Matheson, A., Buchmann, S.L., **O' Toole, C.A.**, Westrich, P. and Williams, I.(eds) *The Conservation of Bees*. Linnaean Society Symposium Series No.18. The Linnaean Society of London and The International Bee Research Association. Academic Press, London, 254pp.
- O' Toole, C.** 1995. *Alien Empire: An exploration of the Lives of Insects*. BBC Publications Worldwide, London, 224pp.
- O' Toole, C.** and **Ismay, J.** 1995. *Report on the Aculeate Hymenoptera and Diptera of Chafford Hundred*. Prepared for the Chafford Hundred Development Corporation under a consultancy with Penny Anderson Associates. 82pp.
- Pont, A.C.** 1995. Muscidae (Insecta, Diptera) from above the tree-line in the Upper Ötz Valley, Tyrol, Austria. *Ber. naturw.-med. Ver. Innsbruck*, **82**: 311-318, 2 tables.
- Pont, A.C.** 1995. *The type-material of Diptera (Insecta) described by G. H. Verrall and J. E. Collin*. Oxford University Museum Publication No. **3**: x, 223 pp., 8 plates. Clarendon Press, Oxford.
- Pont, A.C.**, and **Ackland, D.M.** 1995. Fanniidae, Muscidae and Anthomyiidae associated with burrows of the Alpine Marmot (*Marmota marmota* Linnaeus) in the Upper Ötz Valley, Tyrol, Austria (Insecta, Diptera). *Ber. naturw.-med. Ver. Innsbruck*, **82**: 319-324.
- Pont, A.C.** and Magpayo, F.R. 1995. Muscid shoot-flies of the Philippine Islands (Diptera: Muscidae, genus *Atherigona* Rondani). *Bulletin of Entomological Research*, Suppl. **3**: 123 pp., 750 figs.
- Simpson, S.J.** 1995. The control of meals in chewing insects. *In*: de Boer, J. and Chapman, R.F., (eds.), *Regulatory Mechanisms of Insect Feeding*, Chapman and Hall, New York, 137-156.
- Simpson, S.J.** 1995. Book review. *Bugs in the System* By M. Berenbaum. *Nature* **374**: 842.
- Simpson, S.J.**, Abisgold, J.D. and Douglas, A.E. 1995. Response of the pea aphid (*Acyrtosiphon pisum*) to variation in dietary levels of sugar and amino acids: the significance of amino acid quality. *Journal of Insect Physiology*, **41**: 71-75.
- Simpson, S.J.** and Raubenheimer, D. 1995. The geometric analysis of feeding and nutrition: a user s guide. *Journal of Insect Physiology*, **41**: 545-553.
- Simpson, S.J.**, Raubenheimer, D. and Chambers, P.G. 1995. Nutritional homeostasis. *In*: de Boer, J. and Chapman, R.F., (eds), *Regulatory Mechanisms of Insect Feeding*, Chapman and Hall, New York, 251-278.
- 1994**
- Abisgold, J.D., **Simpson, S.J.** and Douglas, A.E. 1994. Responses of the pea aphid (*Acyrtosiphon pisum*) to simultaneous variations in dietary amino acid and sugar levels. *Physiological Entomology*, **19**, 95-102.
- Baker, D.B.** 1994. The dates of the Hymenoptera sections of Costa's *Fauna del Regno di Napoli*. *Archives of Natural History*, **21**(3): 351-356.

- Baker, D.B.** 1994. A new genus of nomadine bees from North Africa (Hymenoptera: Apoidea, Anthophoridae). *Tidjschrift voor Entomologie*, **137**: 155-159.
- Baker, D.B.** 1994. The date of the Hymenoptera section of the *Exploration scientifique de l'Algérie*. *Archives of Natural History*, **21**(3): 345-350.
- Baker, D.B.** 1994. The exotic bees described in William Kirby's *Monographia Apum Angliae* (Insecta:Hymenoptera: Apoidea). *Reichenbachia*, **30**(29): 177-179.
- Baker, D.B.** 1994. On the nomenclature of two sibling species of the *Andrena tibialis* (Kirby, 1802) group (Hymenoptera, Apoidea). *Entomologist's Gazette*, **45**: 281-290.
- Cook, M.A., Harwood, L.M., Scoble, M.J. and **McGavin, G.C.** 1994. The Chemistry and Systematic Importance of the Green Wing Pigment in Emerald Moths (Lepidoptera: Geometridae, Geometrinae) *Biochemical Systematics and Ecology* **22**(1):43-51.
- Dafni, A. and **O' Toole, C.A.**, 1994. Pollination syndromes in the Mediterranean: generalizations and peculiarities. Pp 125-135. In: Arianoutsou, M and Groves, R.H. (eds) *Plant-Animal Interactions in Mediterranean-type Ecosystems* Cluwer Academic Publ. Berlin.
- Hernández, L.R., **Smith, D.S.**, Davies, N. and Areces-Mallea, A. 1994. The Butterflies and Vegetational Zones of Guanahacabibes National Park, Cuba. *Bulletin of the Allyn Museum*, **139**: 1-19.
- Islam, M.S., Roessingh, P., **Simpson, S.J.** and McCaffery, A.R. 1994. Parental effects on the behaviour and coloration of nymphs of the desert locust, *Schistocerca gregaria*. *Journal of Insect Physiology*, **40**: 173-181.
- Islam, M.S., Roessingh, P., **Simpson, S.J.** and McCaffery, A.R. 1994. Effects of population density experienced by parents during mating and oviposition on the phase of hatchling desert locusts. *Proceedings of the Royal Society of London, B.*, **257**: 93-98.
- Ismay, J.W.** 1994. *Oscinimorpha sordissima* (Strobl) (Diptera: Chloropidae) in Oxfordshire. *Entomologist's Monthly Magazine*. **130**: 199.
- Ismay, J.W.** 1994. A revision of the British *Neohaplegis* Beschovski and *Cryptonevra* Lioy (Dipt., Chloropidae). *Entomologist's monthly Magazine*, **130**: 1-18.
- Ismay, J.W.** 1994. Records of *Eribolus hungaricus* Becker (Dipt., Chloropidae) from Oxfordshire. *Entomologist's monthly Magazine*, **130**: 102.
- Ismay, J.W.** 1994. A second specimen of *Gaurax britannicus* Deeming (Dipt., Chloropidae) from Oxfordshire. *Entomologist's monthly Magazine*, **130**: 136.
- Ismay, J.W.** and Smith D.A. 1994. *Prosopantrum flavifrons* (Tonnoir and Malloch) (Diptera: Heleomyzidae) new to Britain and the Northern Hemisphere. *Dipterist's Digest* Series 2, **1**: 1-5.
- McGavin, G.C.** 1994. *Insects*. Junior Nature Guides. 81pp Dragon's World, Limsfield & London.
- McGavin, G.C.** 1994. Ancients and moderns. Review of *The Insects: an outline of Entomology* by Gullan, P.J. and Cranston, P.S.; *Latin American Insects and Entomology* by Hogue, C.L.; *The Bee Genera of North and Central America* by Michener, C.D., McGinley, R.J. and Danforth, B.N. and *Quaternary Insects and their Environments* by Elias, S.A. *Nature*, **370** (6487): 261-262.
- O' Toole, C.A.** 1994. Who cares for solitary bees? Pp 47-56. In: Matheson, A. (ed.) *Pastures New: Opportunities for bee forage in the nineties*. Proc. 1993 IBRA Symposium Cambridge University. IBRA, Cardiff.
- Pont, A.C.** 1994. Muscidae (Diptera) as flower-visitors and pollen-feeders. *Dipterist's Digest*, Series 2, **1**: 58-61.
- Pont, A.C.**, and **Ackland, D.M.** 1994. Evelyn Cecil Muschamp d'Assis-Fonseca (1899-1993). *Entomologist's Monthly Magazine*, **130**: 249-253, 1 plate.

- Pont, A.C.**, d'Assis-Fonseca, E.C.M., and **Ackland, D.M.** 1994. *Hydrotaea lundbecki* (Michelsen, 1978) (Diptera: Muscidae), new to Britain. *Entomologist's Monthly Magazine*, **130**: 247-248.
- Pont, A.C.**, and Carvalho, C.J.B.de. 1994. Neotropical Fanniidae (Diptera): a key to the *Fannia anthracina*-group. *Entomologist's Monthly Magazine*, **130**: 229-238, 11 figs.
- Raubenheimer, D. and **Simpson, S.J.** 1994. The analysis of nutrient budgets. *Functional Ecology*, **8**: 783-791.
- Roessingh, P. and **Simpson, S.J.** 1994. The time-course of behavioural phase change in nymphs of the desert locust, *Schistocerca gregaria*. *Physiological Entomology*, **19**: 191-197.
- Roth, L.M. and **McGavin, G.C.** 1994. Two new species of Nocticolidae (Dictyoptera: Blattaria) and a rediagnosis of the cavernicolous genus *Spelaeoblatta* Bolívar. *Journal of Natural History*. **28**: 1319-1326.
- Simpson, S.J.** 1994. Experimental support for a model in which innate taste responses contribute to regulation of salt intake by nymphs of *Locusta migratoria*. *Journal of Insect Physiology*, **40**: 555-559.
- Simpson, S.J.** 1994. Book review. *Host-Plant Selection by Phytophagous Insects* By E.A. Bernays and R.F. Chapman. *Animal Behaviour*. **48**: 1493-1494.
- Smith, D.S.**, Miller, D.L. and Miller J.Y. 1994. *The Butterflies of the West Indies and south Florida* 264pp. Oxford University Press.
- Smith, D.S.**, Ramos, S.J. and McKenzie, F. 1994. The butterflies on Mona Island (Puerto Rico) and an approach to their origins and phenology. *Caribbean Journal of Science*, **30**: 95-103.
- Thompson, F.C. and **Pont, A.C.** 1994. Systematic database of *Musca* names (Diptera). A catalog of names associated with the genus-group name *Musca* Linnaeus, with information on their classification, distribution, and documentation. *Theses zoologicae*, **20**: 219 (+ ii) pp.
- Trumper, S. and **Simpson, S.J.** 1994. Mechanisms regulating salt intake in fifth instar nymphs of *Locusta migratoria*. *Physiological Entomology*, **19**: 205-215.
- Zanotto, F.P., Raubenheimer, D. and **Simpson, S.J.** 1994. Selective egestion of lysine by locusts fed nutritionally unbalanced foods. *Journal of Insect Physiology*, **40**: 259-265. **1993**
- de Carvalho, C.J.B., **Pont, A.C.**, Couri, M.S. and Pamplona, D.1993. Part I. Fanniidae, *In*: C.J.B. de Carvalho [ed], *A Catalogue of the Fanniidae and Muscidae of the Neotropical Region*. I-29. Sociedade Brasileira de Entomologia, São Paulo.
- de Carvalho, C.J.B., Couri, M.S., **Pont, A.C.**, Pamplona, D and Lopes, S.M. 1993. Part II. Muscidae, *In*: C.J.B. de Carvalho [ed], *A Catalogue of the Fanniidae and Muscidae of the Neotropical Region*. II-201. Sociedade Brasileira de Entomologia, São Paulo.
- Simpson, S.J.** and Raubenheimer, D. 1993. A multi-level analysis of feeding behaviour: the geometry of nutritional decisions. *Philosophical Transactions of the Royal Society of London, B*, **342**: 381-402.
- Simpson, S.J.** and Raubenheimer, D. 1993. The central role of the haemolymph in the regulation of nutrient intake in insects. *Physiological Entomology*, **18**: 395-403.
- Trumper, S. and **Simpson, S.J.** 1993. Regulation of salt intake by nymphs of *Locusta migratoria*. *Journal of Insect Physiology*, **39**: 857-864.
- Zanotto, F.P., **Simpson, S.J.** and Raubenheimer, D. 1993. The regulation of growth by locusts through post-ingestive compensation for variation in the levels of dietary protein and carbohydrate. *Physiological Entomology*, **18**: 425-434.