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Annual compilation (1986) of Hydradephaga (Coleoptera) papers

by **M. Brancucci & K. Dettner**

Abstract: The authors give a list of additional papers for 1984, 1985 and the 170 papers published during 1986 on all aspects of Hydradephaga (Coleoptera: Trachypachidae, Coptoclavidae, Necronectidae, Parahygrobiidae, Hygrobiidae, Amphizoidae, Haliplidae, Noteridae, Dytiscidae and Gyrinidae).

Key words: Hydradephaga – 1986 – compilation.

The present compilation of Hydradephaga papers covering the year 1986 now includes 190 references from 194 authors.

The difficulties to achieve a complete annual list are amply illustrated by the additional references for 1984 (4) and 1985 (20) and underscore the necessity of collaboration between Hydradephagan workers. Therefore we are greatly indebted to all colleagues for their active help in adding, correcting and controlling the references cited. If our compilations should have stimulated colleagues working with polyphagous water beetles to produce appropriate lists we would be glad.

As in the previous compilation, only papers published in 1986 have been included. Those publications recorded for 1986 but actually published and issued in 1987 will be included in the 1987 compilation. Thus, if the name of an author is followed by two dates, the first refers to the year in which the publication was recorded, the second (in brackets) to the actual year of publication. Papers are quoted by their original titles apart from non-roman alphabetical publications where we furnished an English translation and indicate the original language within square brackets, e.g. Japanese [Ja], Russian [Ru], etc.

Additional papers 1984

- HARADA, E. (1984): *Benthos*. In: *Lake Biwa* (HORIE, S., ed.). Dr. W. Junk Publ., Dordrecht. pp. 323–330.
- HENDRICH, L. & BALKE, M. (1984): *Bemerkenswerte Schwimmkäferfunde in Berlin (Coleoptera: Dytiscidae)*. Berl. Naturschutzbl. 28(2): 76–77.
- GOLDIE-SMITH, E.K. (1984): *Life in Castle Water*. Rye. 28 pp.
- GOLDIE-SMITH, E.K. (1984): *A limnological Study of the SSSI and LNR at Rye Harbour: Further Developments*. Rye Harbour Local Nat. Res., Ann. Rep. 1984: 58–69.

Additional papers 1985

- BATHON, H. (1985): *Ein Beitrag zur Käferfauna eines Sandgrubengebietes bei Heusenstamm*. Ber. Offb. Ver. Naturkde. 85: 85–107.
- CARR, R. (1985): *A Classification of Water Beetle Habitats in Kent*. Unpubl. Report of the Nat. Cons. Council, Peterborough, U.K. 16 pp.
- DE MARZO, L. (1985): *Studi sulle larve dei Coleotteri Dytiscidi XI. Morfologia delle mandibole nelle larve di Hydatiscus exclamationis Aubé e Cybister spp. dell'Africa centrale*. Entomologica 20: 31–37.
- GELLERT, G. & WITTASSEK, R. (1985): *Kupferverteilung in einem Flusssediment und seine biologische Verfügbarkeit*. Fresenius' Z. Anal. Chem. 322(7): 700–703.
- GERSTMEIER, R. (1985): *Nahrungsökologische Untersuchungen an Fischen im Nationalpark Berchtesgaden*. Arch. Hydrobiol. Suppl. 72(3): 237–286.
- GOLDIE-SMITH, E.K. (1985): *A limnological study of the SSSI and LNR at Rye Harbour: Introduction of Video*. Rye Harbour Local Nat. Res., Ann. Rep. 1985: 46–48.
- HEITKAMP, U. & al. (1985): *Untersuchungen zur Erstbesiedlung der Fauna in neu angelegten Tümpeln im Vergleich mit restaurierten Gewässern*. Mitt. Faun. Flor. Süd-Niedersachsens 7: 95–130. (Col. part.)
- HEITKAMP, U., LESSMANN, D. & PIEHL, C. (1985): *Makrobenthos-, Moos- und Interstitialfauna des Mittelgebirgsbachsystems der Sieber im Harz (Süd-Niedersachsen)*. Arch. Hydrobiol. Suppl. 70(3): 279–364.
- JÄKEL, B. (1985): *Wasserkäfer (Adephaga, Palpicornia) schutzwürdiger Acker-Kleingewässer im Landkreis Lüneburg*. Jb. Naturw. Ver. Fstm. Lbg. 37: 99–116.
- LASAR, R. (1985): *Käfer und andere Tiergruppen als Bewohner von Quellen im Bergischen Land*. Jber. naturw. Ver. Wuppertal 38: 16–19.
- LUTZ, H. (1985): *Eine wasserlebende Käferlarve aus dem Mittel-Eozän der Grube Messel*. Natur u. Museum 115(2): 55–60.
- MUONA, J. (1985): *Additions and corrections to the Finnish list of Coleoptera*. Not. Entomol. 65(4): 127–128.
- NAKANE, T. (1985): *A revisional study on Japanese species of the genus Haliplus Latreille (Coleoptera, Haliplidae)*. Kita-Kyūshū no Konchū 32(2): 61–67. [Ja]
- NIEHUIS, M. (1985): *Bemerkenswerte Käferfunde in der Pfalz und benachbarten Gebieten (8. Beitrag, 1. Forts.)*. Pfälzer Heimat 36: 180–189.
- PLACHTER, H. (1985): *Faunistisch-ökologische Untersuchungen auf Sandstandorten des unteren Brombachtals (Bayern) und ihre Bewertung aus der Sicht des Naturschutzes*. Ber. ANL 9: 45–92.
- RÉGIL CUETO, J.A. & VEIGA FERNANDEZ, A. (1985): *Primeras observaciones sobre la adefauna acuática de Palencia*. Publ. Inst. Tello Téllez de Meneses 53: 5–41.
- REHAGE, H.-O. (1985): *Beitrag zur Makroinvertebratenfauna und zur Wassergüte der Hopstener Aa*. Natur u. Heimat 45(1): 17–20. (Col. part.)
- STEFFAN, A.W. (1985): *Physiographie und Biozönologie bodenwasser-gespeister Bäche im Niederbergischen Land*. Jber. naturw. Ver. Wuppertal 38: 5–11. (Col. part.)
- TIBERGHEN, G. (1985): *Le Scorff: système de référence floristique et faunistique de la qualité des eaux courantes*. Rapport final de fin de contrat CEE 9902 B INRA/SIFF/ENV 664 F S D, Laboratoire d'Ecologie hydrobiologique, INRA, Ecole Nationale Supérieure Agronomique, Rennes, 178 pp.
- WENIG, K. (1985): *Die Atmung der Wasserinsekten*. Natur u. Mensch 1985: 107–110. (Col. part)

1986

- ABDUL-KARIM, R.M. & ALI, H.A. (1986): *Description of five new species of Dytiscidae*. J. Biol. Sci. Res. 17(2): 275–286.

- ABDUL-RASSOUL, M.S., OUDA, N.A., AL-FAISAL, A.-H. M. & ZAIYA, H.H. (1986): *New records of aquatic insects from Iraq*. J. Biol. Sci. Res. 18(2): 61–65.
- AGNEW, J.D. (1986): 4A. *Invertebrates of the Orange-Vaal System, with emphasis on the Ephemeroptera*. In: *The Ecology of River Systems* (DAVIES, B.R. & WALKER, K.F., eds). Dr. W. Junk Publ., Dordrecht. 793 pp.
- AIKEN, R.B. (1986): *Diel activity of a boreal water beetle (Dytiscus alaskanus: Coleoptera; Dytiscidae) in the laboratory and field*. Freshwat. Biol. 16(2): 155–159.
- AIKEN, R.B. (1986): *Effects of temperature on incubation times and mortality rates of eggs of Dytiscus alaskanus (Coleoptera: Dytiscidae)*. Holarct. Ecol. 9(2): 133–136.
- ALLEN, A.A. (1986): *Haliplus apicalis, in freshwater in the London suburbs*. Ent. Rec. J. Var. 98(1/2): 32.
- ANGELINI, F. & MONTEMURRO, F. 1984 (1986): *Coleotterofoana del bosco di Policoro (Matera) (Coleoptera)*. Biogeographia 10: 545–604.
- Anonymous (1986): *Records received*. Balfour-Browne Club, Newsletter 37: 13–14.
- Anonymous (1986): *Ireland in July*. Balfour-Browne Club, Newsletter 38: 4–5.
- Anonymous (1986): *Maureen Girling, 7 February 1950 – 24 December 1985*. Balfour-Browne Club, Newsletter 38: 8.
- Anonymous (1986): *Manœuvres 8–9 August 1986*. Balfour-Browne Club, Newsletter 38: 9–10.
- Anonymous (1986): *Catchers in [the] Rye, 5–7 September 1986*. Balfour-Browne Club, Newsletter 38: 13–14.
- BAUER, C.K. (1986): *Laboratory Culture and Flight Development of the Water Beetle Dytiscus marginalis L. (Coleoptera, Dytiscidae)*. Entomologica Basiliensia 11: 433–449.
- BELKACEME, T. (1986): *Skelet und Muskulatur der Hinterhüfte von Haliplus lineatocollis Mrsh. (Haliplidae, Coleoptera)*. Stuttgarter Beitr. Naturk., Ser. A, 393: 1–12.
- BENDELE, H. (1986): *Mechanosensory cues control chasing behaviour of whirligig beetles (Coleoptera, Gyrinidae)*. J. Comp. Physiol. A 158(3): 405–411.
- BEUTEL, R. (1986): *Skelet und Muskulatur des Kopfes und Thorax von Hygrobia tarda (Herbst). Ein Beitrag zur Klärung der phylogenetischen Beziehungen der Hydradephaga (Insecta: Coleoptera)*. Ph. D. Thesis, Tübingen Univ. 109 pp. published in: Stuttgarter Beitr. Naturk., Ser. A, 388: 1–54.
- BEUTEL, R. (1986): *Skelet und Muskulatur des Kopfes der Larve von Haliplus lineatocollis Mrsh. (Coleoptera: Haliplidae)*. Stuttgarter Beitr. Naturk., Ser. A, 390: 1–15.
- BEUTEL, R. & BELKACEME, T. (1986): *Comparative Studies on the Metathorax of Hydradephaga and Trachypachidae (Coleoptera)*. Entomologica Basiliensia 11: 221–229.
- BILARDO, A. & ROCCHI, S. (1986): *Contributo alla conoscenza degli Hyphydrus africani (Coleoptera, Dytiscidae)*. Publ. Ist. Ent. Univ. Pavia 32: 1–16.
- BILTON, D. (1986): *Three Irish trips*. Balfour-Browne Club, Newsletter 38: 1–2.
- BISTRÖM, O. (1986): *Derovatellus intermedius sp.n., and notes on the genus in the Omer-Cooper collection (Coleoptera, Dytiscidae)*. Ann. Ent. Fenn. 52(1): 44–45.
- BISTRÖM, O. (1986): *Review of the genus Hydroglyphus Motschulsky (= Guignotus Houlbert) in Africa (Coleoptera, Dytiscidae)*. Acta Zool. Fenn. 182: 1–56.
- BISTRÖM, O. (1986): *Hyphydrus hiekei n.sp., and notes on the genus in Africa (Coleoptera, Dytiscidae)*. Dtsch. ent. Z., N.F. 33(3–5): 253–255.
- BISTRÖM, O. & SANFILIPPO, N. (1986): *Bidessus apicidens sp.n., and faunistic notes on the genus from Africa (Coleoptera, Dytiscidae)*. Ann. Ent. Fenn. 52(1): 46–47.
- BONACE, T. (1986): *Invertebrados acuáticos del Arroyo Mina*. Bol. Inv. Biol. Nac. 8: 2.
- BOSMANS, R. & KEIRENS, G. (1986): *Yola bicarinata (Latreille), een nieuwe waterkever voor de Belgische fauna (Coleoptera: Dytiscidae: Hydroporinae)*. Bull. Ann. Soc. R. Belg. Entomol. 122: 38–39.
- BOURASSA, J.-P., ALARIE, Y. & LECLAIR, R., Jr. (1986): *Distribution and Habitat Selection of Dytiscid Beetles in Characteristic Vegetal Units of Southern Québec*. Entomologica Basiliensia 11: 289–295.

- BRANCUCCI, M. (1986): *Revision of the Genus Lacconectus Motschulsky (Coleoptera, Dytiscidae)*. Entomologica Basiliensia 11: 81–202.
- BRANCUCCI, M. & DETTNER, K. (1986): *Annual compilation (1985) of Hydradephaga (Coleoptera) papers*. Entomologica Basiliensia 11: 17–28.
- BUCKLAND, P. & WORSLEY, P. (1986): *Obituary Dr. M.A. Girling, 7 February 1950 – 24 December 1985*. Quaternary Newsletter 49: 43–46.
- BUCKLAND, P.C., PERRY, D.W., GISLASON, G.M. & DUGMORE, A.J. (1986): *The pre-Landnam fauna Iceland: a palaeontological contribution*. Boreas 15: 173–184.
- BUNN, S.E., EDWARD, D.H. & LONERAGAN, N.R. (1986): *Spatial and temporal variation in the macroinvertebrate fauna of streams of the northern jarrah forest, Western Australia: Community structure*. Freshwat. Biol. 16(1): 67–91.
- BURMEISTER, E.-G. (1986): *Die von R. Kinzelbach in Südosteuropa und dem Vorderen Orient gesammelten Hydrophiliden (Exkursionsausbeuten) (Coleoptera; Hydrophilidae, Helophoridae, Dytiscidae)*. Entomofauna 6(23): 381–395.
- BURMEISTER, E.-G. (1986): *Eine Aufsammlung aquatischer Coleopteren im Gebiet des Neusiedler-Sees in den Jahren 1967 bis 1979 (Coleoptera: Gyrinidae, Haliplidae, Noteridae, Dytiscidae, Hydraenidae, Hydrophilidae, Dryopidae)*. Entomofauna 7(7): 93–113.
- BURMEISTER, E.-G. (1986): *Einige für Sardinien neue und bemerkenswerte Wasserkäferarten (Coleoptera, Hydradephaga, Dytiscidae)*. Nachricht Bl. Bayer. Ent. 35(3): 69–73.
- BURMEISTER, E.-G. (1986): *Die Wasserkäferfauna des Naturschutzgebietes Federsee. Eine Auswertung bisheriger Beobachtungen (Coleoptera, Hydradephaga und aquat. Palpicornia)*. Veröff. Naturschutz Landschaftspflege Bad.-Württ. 61: 261–275.
- BUSSLER, H. (1986): *Zur Problematik der Borkenkäferbekämpfung mit Flachtrichterfallen*. Natur u. Landschaft 61(9): 340–343.
- CARR, R. (1986): *August headlines*. Balfour-Browne Club, Newsletter 36: 9–10.
- CARR, R. (1986): *The Effects of Human Activity on the Distribution of Aquatic Coleoptera in Southeastern England*. Entomologica Basiliensia 11: 313–325.
- CARR, R. (1986): *A Survey of Aquatic Coleoptera of the Dartford and Crayford Marshes*. Unpubl. Report of the Nat. Cons. Council, Peterborough, U.K. 6 pp.
- CASTELLA, E., RICHOUX, Ph., RICHARDOT-COULET, M. & ROUX, C. (1986): *Un diagnostic écologique de trois anciens méandres basé sur l'utilisation de descripteurs faunistiques*. In: Documents de Cartographie Ecologique (ROUX, A.L. et al., eds) 2: 109–122.
- CELLOT, B. & BOURNAUD, M. (1986): *Modifications faunistiques engendrées par une faible variation de débit dans une grande rivière*. Hydrobiologia 135(3): 223–232.
- COHEN, A.S. (1986): *Distribution and faunal associations of benthic invertebrates at Lake Turkana, Kenya*. Hydrobiologia 141(3): 179–197.
- CUPPEN, J.G.M. (1986): *Hydroporus marginatus (Duftschmid), nieuw voor Nederland (Coleoptera: Dytiscidae)*. Ent. Ber., Deel 46(1): 10–11.
- CUPPEN, J.G.M. (1986): *On the habitats, distribution and life-cycles of the Western European species of the genus Helochares Mulsant (Coleoptera: Hydrophilidae)*. Hydrobiologia 131(2): 169–183.
- CUPPEN, J.G.M. (1986): *The Influence of Acidity and Chlorinity on the Distribution of Hydroporus Species (Coleoptera, Dytiscidae) in the Netherlands*. Entomologica Basiliensia 11: 327–336.
- CUPPEN, J.G.M. & DETTNER, K. (1986): *The larval instars of Agabus maderensis Wollaston and A. wollastoni Sharp, with a key to the larvae of Madeiran Agabus Leach (Coleoptera: Dytiscidae)*. Ent. scand. 17(3): 351–358.
- DAVIES, B.R. (1986): *7. The Zambezi Rivers system*. In: The Ecology of River Systems (DAVIES, B.R. & WALKER, K.F., eds). Dr. W. Junk Publ., Dordrecht. pp. 225–267.
- DE MARZO, L. & NILSSON, A.N. (1986): *Morphological Variation and Fine Structure of Some Head Structures in Larvae of Dytiscidae (Coleoptera)*. Entomologica Basiliensia 11: 29–42.

- DE PAUW, N., ROELS, D. & FONTOURA, A.P. (1986): *Use of artificial substrates for standardized sampling of macroinvertebrates in the assessment of water quality by the Belgian Biotic Index*. *Hydrobiologia* 133(3): 237–258.
- DETTNER, K., HÜBNER, M. & CLASSEN, R. (1986): *Age Structure, Phenology and Prey of Some Rheophilic Dytiscidae (Coleoptera)*. *Entomologica Basiliensia* 11: 343–370.
- DIAMOND, M. & WAKEFIELD, P.M. (1986): *The consumption of eggs of the perch, *Perca fluviatilis* L., by macroinvertebrates in the field*. *Freshwat. Biol.* 16(3): 373–376.
- DOW, J.A.T. (1986): *Insect Midgut Function*. In: *Advances in Insect Physiology* (EVANS, P.D. & WIGGLESWORTH, V.B. eds). *Adv. Insect Physiol.* 19: 187–328.
- DREWS, R. (1986): *Kleingewässerkunde – Eine praktische Einführung in die Welt der Tümpel und Teiche*. (Biologische Arbeitsbücher 41) Quelle & Meyer, Heidelberg, 141 pp.
- DROST, B. & VONDEL, B.J. VAN (1986): *Haliphus furcatus* Seidlitz, nieuw voor de Nederlandse fauna (Coleoptera: Haliplidae). *Ent. Ber.*, Deel 46(5): 61–64.
- DUCOMMUN, A. (1986): *Aperçu de la faune benthique du ruisseau Le Chaluet (vallée de Tavannes, Jura plissé)*. *Bull. Soc. Neuch. Sci. Nat.* 109: 77–88.
- EIJK, R.H. VAN DER (1986): *Population dynamics of gyrid beetles. II. Reproduction*. *Oecologia* 69(1): 31–40.
- EIJK, R.H. VAN DER (1986): *Population dynamics of gyrid beetles. III. Survival of adults*. *Oecologia* 69(1): 41–46.
- ELSTAD, C.A. (1986): *Macrobenthic distribution and community structure in the upper navigation pools of the Upper Mississippi River*. *Hydrobiologia* 136: 85–100.
- EYRE, M.D., BALL, S.G. & FOSTER, G.N. (1986): *An initial classification of the habitats of aquatic Coleoptera in north-east England*. *J. Appl. Ecol.* 23(3): 841–852.
- FERY, H. (1986): *Agabus dettneri* n.sp. und *Agabus albarracinensis* n.sp., zwei neue Schwimmkäfer aus Südwesteuropa (Coleoptera: Dytiscidae). *Ent. Zschr.* 96(23): 342–349.
- FITZGERALD, V.J. (1986): *Whirligig Beetle *Dineutus nigrior* (Roberts) (Coleoptera: Gyridae) Rejected by a Little Brown Bat*. *Col. Bull.* 40(3): 247–248.
- FLECHTNER, G. (1986): *Association Analysis of Water Beetle Communities (Coleoptera: Dytiscidae et Haliplidae)*. *Entomologica Basiliensia* 11: 297–308.
- FORMANOWICZ, D.R., Jr. (1986): *Anuran tadpole/aquatic insect predator – prey interactions: Tadpole size and predator capture success*. *Herpetologica* 42(3): 367–373.
- FOSTER, A.P. (1986): *Square-bashing in Leicestershire*. *Balfour-Browne Club, Newsletter* 36: 7–9.
- FOSTER, A.P. (1986): *Coelambus nigrolineatus – a second British locality*. *Balfour-Browne Club, Newsletter* 38: 18.
- FOSTER, G.N. (1986): *Los caballeros*. *Balfour-Browne Club, Newsletter* 36: 10–12.
- FOSTER, G.N. (1986): *Nationally notable species in Britain*. *Balfour-Browne Club, Newsletter* 37: 19.
- FOSTER, G.N. & EYRE, M.D. (1986): *Further records of aquatic Coleoptera from north-east England*. *Ent. Gaz.* 37(4): 237–239.
- FOSTER, G.N. & SPIRIT, M. (1986): *Oreodytes alpinus* new to Britain. *Balfour-Browne Club, Newsletter* 36: 1–2.
- FRANCISCOLO, M.E. & SANFILIPPO, N. (1986): *Gyridae and Dytiscidae collected in Sierra Leone (1982, 1983, 1984) by Dr. W. Rossi (Col. Hydradephaga)*. *Acad. Naz. Lincei* 383, 260. *Rec. Biol. Sierra Leone* 2: 11–36.
- FREILICH, J.F. (1986): *Contact behavior of whirligig beetle, *Dineutus assimilis* (Coleoptera: Gyridae)*. *Ent. News* 97(5): 215–221.
- FRIDAY, L. (1986): *Ireland 17–24 September 1986*. *Balfour-Browne Club, Newsletter* 38: 3–4.
- FURSE, M., WRIGHT, J. ARMITAGE, P. & GUNN, R. (1986): *New British records of *Oulimnius major* & *O. troglodytes**. *Balfour-Browne Club, Newsletter* 38: 16–18.
- GALEWSKI, K. (1986) *Second Stage Larvae of *Agabus didymus* (Ol.), *A. conspersus* (Marsh.)*

- and *A. nebulosus* (Forst.) (Coleoptera, Dytiscidae). Bull. Pol. Acad. Sci., Biol. Sci. 34(4-6): 109-115.
- GALEWSKI, K. (1986): Second Stage Larvae of *Agabus sturmi* (Gyll.), *A. undulatus* (Schrank) and *A. labiatus* (Brahm) (Coleoptera, Dytiscidae). Bull. Pol. Acad. Sci., Biol. Sci. 34(4-6): 117-123.
- GALEWSKI, K. (1986): Second Stage Larvae of *Agabus affinis* (Payk.) Group (Coleoptera, Dytiscidae). Bull. Pol. Acad. Sci., Biol. Sci. 34(4-6): 125-129.
- GALEWSKI, K. (1986): Diagnostic characters of the second stage larvae of Central European species of *Agabus* LEACH (Coleoptera, Dytiscidae). Ann. Zool., Warszawa, 40(8): 397-415.
- GEWECKE, M. & ROSTOCK, V. (1986): Development and Swimming Behaviour of the Water Beetle *Acilius sulcatus* L. (Coleoptera, Dytiscidae). Entomologica Basiliensia 11: 419-431.
- GILBERT, M. (1986): The Respiratory System and Respiratory Technique of *Hydroporus palustris* (L.) (Coleoptera, Dytiscidae). Entomologica Basiliensia 11: 43-65.
- GILLER, P.S. (1986): The natural diet of the Notonectidae: Field trials using electrophoresis. Ecol. Ent. 11(2): 163-172.
- GODDARD, D.G. (1986): *Dytiscus circumcinctus* Ahrens (Col. Dytiscidae) in Leicestershire. Ent. Mon. Mag. 122: 7.
- HAMMER, U.T. (1986): Saline Lake Ecosystems of the World. Dr. W. Junk Publ., Dordrecht, 616 pp.
- HARDY, A.R. (1986): Publication dates of some early papers by authors, such as John L. LeConte. Col. Bull. 40(4): 357-358.
- HASMI, A.A., ASGHAR, M.A. & HAMED, M. (1986): Scanning of taxonomic characters in coleopterous larvae. Pak. J. Zool. 18(2): 139-143.
- HEBAUER, F. (1986): Käfer als Bioindikatoren – dargestellt am Ökosystem Bergbach. Laufener Seminarbeiträge 7(83): 55-65.
- HEISS, J.S., HARP, G.L. & MEISCH, M.V. (1985): Aquatic Coleoptera associated with Arkansas rice, with observations on the effects of carborfuran, molinate, predatory fish and late planting. Southwestern Naturalist 31: 521-525.
- HENDRICH, L. & BALKE, M. (1986): Bemerkenswerte Schwimmkäferfunde in Berlin (Coleoptera: Dytiscidae). Berliner Naturschutzbl. 29(3): 76-77.
- HERNANDO, C. (1986): Two new Dytiscidae from the Iberian Peninsula. Balfour-Browne Club, Newsletter 37: 18.
- HERNANDO, C. & FRESNEDA, F.X. (1986): *Hydradephaga* nous o interessants per a la Península Ibèrica (Coleoptera Haliplidae i Dytiscidae). Butl. Unió Excurs. Catalunya 130: 18-21.
- HILSENHOFF, W.L. (1986): Life History Strategies of Some Nearctic Agabini (Coleoptera, Dytiscidae). Entomologica Basiliensia 11: 385-390.
- HOFMANN, F. (1986): Limnologische Untersuchungen von Steinbruchgewässern und anderen Kleingewässern eines Siedlungsgebietes bei Bonn. Decheniana 139: 330-340.
- HOLOMUZKI, J.R. (1986): Predator avoidance and diel patterns of microhabitat use by larval tiger salamanders. Ecology 67(3): 737-748.
- HOPP, J. (1986): Benthofauna und Steinbesiedlung in einem Schwarzwaldbach. Carolina 44: 153-162.
- JÄCH, M. (1986): Bemerkenswerte Käferfunde aus Österreich (Coleoptera). Nachr. Bl. Bayer. Entomol. 35(1): 28-32.
- JACOB, J. & HANSEN, H.-P. (1986): Distribution and variability of cuticular hydrocarbons within the Coleoptera. Biochem. Syst. Ecol. 14(2): 207-210.
- JACQUES, B., DEPIEREUX, E. & FEYTMANS, E. (1986): Etude des effets d'une station d'épuration sur la qualité physico-chimique et la structure de peuplement de la faune benthique d'une rivière polluée, la Haute-Semois. Acta Oecol., Oecol. Appl. 7(3): 261-279.
- JEPPESEN, P.C. (1986): Dytiscid Beetles in Greenland, with Description of the Three Larval

- Stages of Hydroporus melanocephalus* (Marshall, 1802). Entomologica Basiliensia 11: 67–79.
- JOOST, W., KLAUSNITZER, B. & ZIMMERMANN, W. (1986): Die Sekundärproduktion eines Thüringer Wald-Baches im Ergebnis dreijähriger Emergenz-Untersuchungen. Limnologica 17(1): 29–52.
- KAULE, G. (1986): Arten- und Biotopschutz. E. Ulmer Stuttgart, 461 pp.
- KAVANAUGH, D.H. (1986): A systematic review of Amphizoid Beetles (Amphizoidae: Coleoptera) and their phylogenetic relationships to other Adephaga. Proc. Calif. Acad. Sci. 44(6): 67–109.
- KRAËM, M.M. (1986): Contribution à l'étude hydrobiologique de trois cours d'eau du nord-ouest de la Tunisie. Présentation, physico-chimie et aperçu faunistique. Bull. Mens. Soc. Linn. Lyon 55(3): 96–104.
- LAMONT, F. (1986): A study of the invertebrate fauna of Stapton Ley. Unp. Res. Rep., Chelsea College, 55 pp.
- LEBLANC, P. (1986): Note de capture (Col. Dytiscidae). Bull. d'Ent. champen. 4(1): 4.
- LEBLANC, P. (1986): Iconographie d'Hydrocanthares champenois (suite) (Col. Dytiscidae). Bull. d'Ent. champen. 4(1): 8–10.
- LEBLANC, P. (1986): L'élevage des Dytiscus (Col. Dytiscus). Bull. d'Ent. champen. 4(1): 11–15.
- LEBLANC, P. (1986): Note au sujet des «Iconographies d'Hydrocanthares champenois» (Col. Dytiscidae). Bull. d'Ent. champen. 4(4): 116.
- LECLAIR, R., Jr., ALARIE, Y. & BOURASSA, J.-P. (1986): Prey Choice in Larval Dytiscus harrisii Kirby and D. verticalis Say (Coleoptera, Dytiscidae). Entomologica Basiliensia 11: 337–342.
- LEE, J. (1986): Agabus melanarius Aubé and other interesting aquatic Coleoptera from the Sheffield area. Ent. Mon. Mag. 122: 200.
- LELAND, H.V., CARTER, J.L. & FEND, S.V. (1986): Use of detrended correspondence analysis to evaluate factors controlling spatial distribution of benthic insects. Hydrobiologia 131(2): 113–123.
- LEUNG, E.S. & ZACHARUK, R.Y. (1986): Fine structure of integumental glands in the labial palp of adult Graphoderus occidentalis Horn (Coleoptera: Dytiscidae). Can. J. Zool. 64(12): 2788–2800.
- LOTT, D. (1986): Field meeting reports, 1984. Col. Rec. Scheme Newsl., Leicestershire, 3: 2–6.
- LUNDBERG, S. (1986): Catalogus Coleopterorum Sueciae. Entomologiska Föreningen i Stockholm och Naturhistoriska Riksmuseet, Stockholm, 155 pp.
- MCCANN, A. & MORAN, S. (eds) (1986): Freshwater Invertebrates of Caithness. Caithness & Sutherland Distr. Councils, Comm. Prog. Agency, 169 pp.
- MCCULLOCH, D.L. (1986): Benthic macroinvertebrate distributions in the riffle-pool communities of two east Texas streams. Hydrobiologia 135(1/2): 61–70.
- MATTA, J.F. (1986): Agabus (Coleoptera: Dytiscidae) larvae of southeastern United States. Proc. Ent. Soc. Wash. 88(3): 515–520.
- MAUS, Chr. (1986): Beiträge zur Käferfauna Spiekeroogs/II. Mitt. bad. Landesverein Naturkunde u. Naturschutz, N.F. 14(1): 127–145.
- MORRISON, B.R.S. (1986): New records of Gyrinus distinctus Aubé and Gyrinus bicolor F. (Col., Gyrinidae) in Scotland. Ent. Mon. Mag. 122: 200.
- MOUBAYED, Z. (1986): Recherches sur la faunistique, l'écologie et la zoogéographie de trois réseaux hydrographiques du Liban: l'Assi, le Litani et le Beyrouth. Ph. D. Thesis, Toulouse Univ. 496 pp.
- NACHTIGALL, W. (1986): Bewegungsphysiologie: Laufen, Schwimmen, Fliegen. Handb. d. Zool., Vol. IV Arthropoda: Insecta, Part 29: 1–68. Walter de Gruyter, Berlin, New York.
- NAKANE, T. (1986): Notes on the identification of dytiscid-beetles from northern Japan. Na-

- ture Tohoku 10(22): 16–19. [Ja]
- NAKANE, T. (1986): *On the specific name of Copelatus andamanicus*: M. Satô. Gekkan-Mushi 190: 30. [Ja]
- NEWHOUSE, N.J. & AIKEN, R.B. (1986): *Protean behaviour of a neustonic insect: Factors releasing the fright reaction of whirligig beetles (Coleoptera: Gyrrinidae)*. Can. J. Zool. 64(3): 722–726.
- NILSSON, A.N. (1986): *Dytiscid nomenclature and a catalogue of Polish Coleoptera*. Balfour-Browne Club, Newsletter 36: 4.
- NILSSON, A.N. (1986): *Notes on the taxonomy and habitat of Rhantus fennicus (Coleoptera: Dytiscidae), with the first Swedish record*. Not. Ent. 66(1): 41–44.
- NILSSON, A.N. (1986): *Vindelälvens vattenskalbaggar – utbredning och habitatval*. Ent. Tidskr. 107(1–2): 31–42.
- NILSSON, A.N. (1986): *Life Cycles and Habitats of the Northern European Agabini (Coleoptera, Dytiscidae)*. Entomologica Basiliensia 11: 391–417.
- NILSSON, A.N. (1986): *Geographic variation in Graphoderus zonatus (Coleoptera: Dytiscidae) in Sweden*. Ent. scand. 17: 119–125.
- NILSSON, A.N. (1986). *Community structure in the Dytiscidae (Coleoptera) of a northern Swedish seasonal pond*. Ann. Zool. Fenn. 23(1): 39–47.
- NILSSON, A.N. (1986): *Översiktlig inventering av bottenlevande evertebrater i Rånealv, Juni–Juli 1986*. Länsstyrelsen i Norrbottens Län, Rapportserie 12: 54 pp.
- NILSSON, A.N. (1986): *The Aquatic Coleoptera of the Norrby area*. Fauna Norr. 1986(2): 1–13.
- NILSSON, A.N. (1986): *Larval Morphology and Phenology of Four Fennoscandian Species of Hydroporus Clairville (Coleoptera: Dytiscidae), with a Preliminary Key to the Known Larvae*. Aquat. Insects 8(3): 141–153.
- NILSSON, A.N. (1986): *Något om Kvismarens vatteninsekter*. Fåglar i Kvismaren 1987(1): 19–26.
- NOLDEN, M. (1986): *Limnologische Untersuchungen an der Swist*. Decheniana 139: 351–362.
- OBI, A. & CONNER, J.V. (1986): *Spring and summer macroinvertebrate drift in the Lower Mississippi River, Louisiana*. Hydrobiologia 139(2): 167–175.
- OERTLI, B. (1986): *Etude comparative de la colonisation d'étangs artificiels d'âge différent par les macroinvertébrés benthiques*. Trav. Dipl., Genève Univ. 134 pp.
- OUDA, N.A., AL-FAISAL, A.-H. M. & ZAYIA, H.H. (1986): *Laboratory observations on the efficiency of seven Mosquito larvae predators*. J. Biol. Sci. Res., Baghdad, 17(2): 245–252.
- PEDERSEN, E.R. & PERKINS, M.A. (1986): *The use of benthic invertebrate data for evaluating impacts of urban runoff*. Hydrobiologia 139(1): 13–22.
- PEDERZANI, F. (1986): *Sulla presenza di Agabus nigroaeneus Er., Ilybius aenescens Thoms. e Graphoderus verrucifer Sahlb. nella valle dell'Avisio in Trentino (Coleoptera: Dytiscidae)*. Studi Trentini Sci. Nat. 62: 69–78.
- PERRY, S.A. & PERRY, W.B. (1986): *Effects of experimental flow regulation on invertebrate drift and stranding in the Flathead and Kootenai Rivers, Montana, USA*. Hydrobiologia 134(2): 171–182.
- PERRY, S.A. & SHELDON, A.L. (1986): *Effects of exported seston on aquatic insect faunal similarity and species richness in lake outlet streams in Montana, USA*. Hydrobiologia 137(1): 65–77.
- PHILLIPS, E. (1986): *Water Beetles encountered on a trip to Sweden*. Balfour-Browne Club, Newsletter 36: 6–7.
- RAABE, M. (1986): *Insect Reproduction: Regulation of Successive Steps*. In: *Advances in Insect Physiology* (EVANS, P.D. & WIGGLESWOERTH, V.B., eds). Adv. Insect Physiol. 19: 29–154.
- REDARD, O. (1986): *Etude écofaunistique des points d'eau de la région neuchâteloise*. Les

- mares de pâturage de La Chaux-d'Amin. III. Notes sur l'écologie de quelques espèces d'insectes aquatiques. Bull. Soc. Neuch. Sci. Nat. 109: 65–76.
- RÉGIL CUETO, J.A., CHARRO GORGOJO, M.A. & GARRIDO GONZALES, J. (1986): *Diagnosis de la hembra de Colymbetes minimus Zaitzev, 1908, como complemento a un análisis morfo-taxonómico de esta especie (Coleoptera, Dytiscidae)*. Actas de las VIII Jornadas Asoc. esp. Entom.: 609–614.
- RÉGIL CUETO, J.A., CHARRO GORGOJO, M.A. & GARRIDO GONZALES, J. (1986): *Colymbetes fuscus (Linnaeus, 1758) y Colymbetes schildknechti Dettner, 1983 (Coleoptera, Dytiscidae): Análisis actualizado de la geonemía y sistemática de las formas imaginales y preimaginales*. Actas de las VIII Jornadas Asoc. esp. Entom.: 615–637.
- RÉGIL CUETO, J.A. & GARRIDO GONZALES, J. (1986): *Copelatus atriceps Sharp, 1880–82 (Col., Dytiscidae) en León y Orense: Interés geonémico de estas citas*. Bol. Asoc. esp. Entom. 10: 402.
- RENARD, A.-C. (1986): *Etude écofaunistique des points d'eau de la région neuchâteloise: faune aquatique de la gravière de la Paulière. Présentation du milieu et liste faunistique*. Bull. Soc. Neuch. Sci. Nat. 109: 89–100.
- RICHOUX, Ph. & CASTELLA, E. (1986): *The aquatic Coleoptera of former riverbeds submitted to large hydrological fluctuations*. Proc. 3rd Eur. Congr. Ent. Amsterdam: 129–132.
- RICHOUX, Ph. & DUFAY, C. (1986): *Présence en Grèce continentale de Dytiscus dimidiatus Bergstr. var. mutinensis Fiori: statut taxinomique et répartition géographique (Coléoptères, Dytiscidae)*. Biologia Gallo-hellenica 12: 421–431.
- RICHOUX, Ph. & REYGROBELLET, J.L. (1986): *First Report on the Ecology of the Phreatic Water Beetle Siettitia avenionensis Guignot (Coleoptera, Dytiscidae)*. Entomologica Basiliensia 11: 371–384.
- RIHA, P. (1986): *Faunistic records from Czechoslovakia. Coleoptera Dytiscidae*. Acta ent. bohemoslov. 83: 154.
- ROCCHI, S. (1986): *Dytiscidi di Birmania, Thailandia e Sri Lanka, con descrizione di due nuove specie (Coleoptera)*. Bull. Soc. Ent. Ital. 118(1–3): 31–34.
- ROYCHOUDHURY, N. & RAGHUVARMAN, A. (1986): *Detection of free sugars and hydrogen-ion concentration of the hemolymph of the beetle Dytiscus marginalis*. Environ. Ecol. 4(1): 159–160.
- RUHNAU, S. (1986): *Phylogenetic Relations Within the Hydradephaga (Coleoptera) Using Larval and Pupal Characters*. Entomologica Basiliensia 11: 231–271.
- RUPES, I. (1986): *Dytiscidae (Coleoptera) raseliniste Oceán v západní části Krušných hor*. Zprávy Csl. společnosti ent. pri CSAV, Praha, 22(3): 65–72.
- SATÓ, M. (1986): *Review of Insects World of Japan and its Neighbourhood in 1985*. Coleopterous World. Gekkan-Mushi 180: 26–32 [JA].
- SAVAGE, A.A. (1986): *The distribution, life cycle and production of Leptophlebia vespertina (L.) (Ephemeroptera) in a lowland lake*. Hydrobiologia 133(1): 3–19.
- SCHAEFLEIN, H. (1986): *Dytiscus circumcinctus Ahr. mit asymmetrischen Hinterhüften (Col., Dyt.) (4. Beitrag zur Teratologie der Dytiscidae)*. Ent. Nachr. u. Ber. 30(2): 95.
- SCHAEFLEIN, H. (1986): *Schistomelie eines Mundtasters bei Graphoderus cinereus L. (Coleoptera, Dytiscidae) (6. Beitrag zur Teratologie der Dytisciden)*. Nachr.Bl. Bayer. Entomol. 36(4): 112–113.
- SCHAEFLEIN, H. (1986): *In Memoriam Leopold Gschwendtner +, 10.9.1899–7.3.1982*. Entomologica Basiliensia 11: 11–16.
- SCHAWALLER, W. (1986): *Fossile Käfer aus miozänen Sedimenten des Randecker Maars in Südwest-Deutschland (Insecta: Coleoptera)*. Stuttg. Beitr. Naturk., Ser. B, 126: 1–9.
- SCHIZZEROTTO, A. (1986): *Gli Idroedefagi della torbiera di Vigalzano (Trento) (Coleoptera: Haliplidae, Dytiscidae)*. Studi Trent. Sci. Nat., Acta Biol. 62: 79–85.
- SCHIZZEROTTO, A. (1986): *Alcune interessanti specie di Hydroporus presenti in Trentino – Alto Adige (Coleoptera: Dytiscidae)*. Studi Trent. Sci. Nat., Acta Biol. 62: 107–111.
- SCHNEIDER, P. (1986): *Studies About the Flight of Dytiscus marginalis L. (Coleoptera, Dytis-*

- cidae*). *Entomologica Basiliensia* 11: 451–460.
- SELLENSCHLO, U. (1986): *Beifänge in Borkenkäfer-Pheromonfallen in Norddeutschland*. Anz. Schädlingskde., Pflanzenschutz, Umweltschutz 59(8): 148–152.
- SHEAFFER, W.A. & NICKUM, J.G. (1986): *Relative abundance of macroinvertebrate found in habitats associated with backwater area confluences in Poll 13 of the Upper Mississippi River*. *Hydrobiologia* 136: 113–120.
- SILFVERBERG, H. (1986): *Additions to the Finnish insect fauna during the years 1981–1985*. *Notul. Ent.* 66(3): 131–152.
- SIMPSON, K.W., FAGNANI, J.P., BODE, R.W., DENICOLA, D.M. & ABELE, L.E. (1986): *Organism–substrate relationships in the main channel of the Lower Hudson River*. *J. North Amer. Benthol. Soc.* 5(1): 41–57.
- SINCLAIR, M. (1986): *Notes on the Hydroporus key*. Balfour–Browne Club, Newsletter 38: 7.
- SMIRNOV, N.N. (1986): *The basic features of the biocenosis of Lake Glubokoe (Moscow region, Eastern Europe) with a list of animals and plants recorded*. *Hydrobiologia* 141(1/2): 153–164.
- SMITH, I.M. & OLIVER, D.R. (1986): *Review of parasitic associations of larval water mites (Acara: Parasitengona: Hydrachnida) with insect hosts*. *Can. Ent.* 118: 407–472.
- SPANGLER, P.J. (1986): *Insecta: Coleoptera*. In: *Stygofauna Mundi* (BOTOSANEANU, L., ed.). E.J. Brill, Dr. W. Backhuys, Leiden. pp. 622–631.
- SPIRIT, M. (1986): *Biological recording in Caithness*. Balfour–Browne Club, Newsletter 37: 16–17.
- SPIRIT, M. (1986): *Freshwater invertebrates of Caithness*. (McCANN, A.C. & MORAN, S., eds). Caithness & Sutherland Dist. Councils Comm. Prog. Agency, 169 pp.
- STAINES, C.L., Jr. (1986): *A Preliminary Checklist of the Hydradephaga (Coleoptera) of Maryland*. *Insecta Mundi* 1(3): 118, 155.
- SWENSON, G. (1986): *Comparison of Diving Beetles (Coleoptera, Dytiscidae) Collected from Above and from Below a Beaver (Castor) Dam*. *Entomologica Basiliensia* 11: 309–312.
- THOMPSON, G., COLDREY, J. & BERNARD, G. (1986): *Der Teich*. (transl. revised by B.P. KREMER). Kosmos, Franckh'sche Verlagshandlung (W. Keller & Co.), Stuttgart. 255 pp.
- TIMMS, B.V., HAMMER, U.T. & SHEARD, J.W. (1986): *A Study of Benthic Communities in Some Saline Lakes in Saskatchewan and Alberta, Canada*. *Int. Rev. ges. Hydrobiol.* 71(6): 759–777.
- ULRICH, G.W. (1986): *Construction of a Compact Submersible Aquatic Light Trap*. *Pan-Pac. Ent.* 62(2): 144–149.
- VONDEL, B.J. VAN (1986): *About two teratological Haliplidae (Coleoptera)*. *Ent. Ber., Deel* 46(1): 12.
- VONDEL, B.J. VAN (1986): *Description of the second and third-instar larvae of Haliplus laminatus (Schaller) with notes on the subgeneric status (Coleoptera: Haliplidae)*. *Ent. Ber., Deel* 46: 128–132.
- WALTER, H. & BRECKLE, S.-W. (1986): *Spezielle Ökologie der Gemässigten und Arktischen Zonen Euro-Nordasiens. Zonobiom VI–IX. Ökologie der Erde. Geo-Biosphäre. Vol. 3*. G. Fischer, Stuttgart, 587 pp.
- WARD, J.V., ZIMMERMANN, H.J. & CLINE, L.D. (1986): *9C. Lotic zoobenthos of the Colorado system*. In: *The Ecology of River Systems* (DAVIES, B.R. & WALKER, K.F., eds). Dr. W. Junk Publ., Dordrecht. pp. 403–423.
- WEWALKA, G. (1986): *Ilybius manduricus Guignot gehört in die Gattung Agabus (Dytiscidae, Col.)*. *Koleopt. Rdsch.* 58: 109–111.
- WEWALKA, G. (1986): *Zoogeography and Ecology of the Dytiscidae Fauna of the Levant*. *Entomologica Basiliensia* 11: 273–288.
- WOLF, M & FREY, E. (1986): *Tuffsteinbruch in Wildberg – Gültlingen – ein Naturdenkmal*. In: *Der Landkreis Calw. Ein Jahrbuch 1986*. Verlag B. Gengenbach, Bad Liebenzell.

pp. 161–176.

- WUNDERLICH, J. (1986): *Liste der vom Baltischen und Dominikanischen Bernstein bekannten Familien fossiler Käfer (Coleoptera)*. Ent. Zschr. 96(20): 298–301.
- YOUNG, F.N. (1986): *Predaceous water beetles of the genus Desmopachria Babington: the nitida group (Coleoptera: Dytiscidae)*. Col. Bul. 40(3): 269–271.
- YOUNG, F.N. (1986): *Review of the Predaceous Water Beetles of the Genus Bidessodes Régimbart (Coleoptera, Dytiscidae)*. Entomologica Basiliensia 11: 203–220.
- YOUNG, J.O. & SPELLING, S.M. (1986): *The incidence of predation on lake-dwelling leeches*. Freshwat. Biol. 16(4): 465–477.

For forthcoming compilations, we would appreciate receiving any citations, reprints and unpublished information (e.g. Ph. D. Thesis, written experiences) relating to Hydradephagan beetles.

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