

ODONATOLOGICAL ABSTRACTS

1980

- (10187) KOIWA, I., 1980. [Dragonfly list of the city of Morioka. 1]. *Iwatemushinokai-Kaihou* 4: 9-11. (Jap., with taxonomic nomenclature). – (Author's address not stated).
An annotated list of 16 spp. (Zygopt., Anisozygopt., Petaluridae). Numerous adult *Sympecma paedisca* were found hibernating in a roof of a manure tank. – Cf. also *OA* 8502, 10194, 10284.

1981

- (10188) TIMMS, B.V., 1981. Animal communities in three Victorian lakes of different salinity. *Hydrobiologia* 81: 181-193. – (Dept Geogr., Univ. Newcastle, Newcastle, NSW 2308, AU).
Ischnura heterosticta and *Hemicordulia tau* larvae are reported from Lake Purrumbete, Victoria, Australia. The latter sp. occurs at the depth range of 5 m.

1987

- (10189) SCHMIDT, B., 1987. *Vorkommen der Südlichen Binsenjungfer (Lestes barbarus) in einer Waldweiheranlage westlich von Waldkirch im Brsg.* Poster, GdO-Tagung, Ulm. 4 pp. – (Kohlenbacher Talstr. 18, D-7808 Waldkirch-Kollnau).
A concise summary of field observations (1984-1986) on habitat selection and behaviour of an isolated *L. barbarus* population, at a forest pond in Baden-Württemberg (alt. 270 m), S Germany.

1988

- (10190) ARNOLD, U., 1988. *Ökologisch-faunistische Untersuchungen an Libellen in Auwaldgewässern bei*

Unterfahlheim (Landkreis Neu-Ulm). DiplArb., Fak. Naturw., Univ. Ulm, Ulm. iv+112 pp. – (c/o FB Biol. & Naturschutz, Univ. Marburg, D-35032 Marburg).
A study of odon. ecology (14 spp.) in the Danube oxbows nr Ulm, Bavaria, Germany, based on exuvia collections and field observations, with emphasis on emergence phenology and on assemblage peculiarities of different habitats.

- (10191) WATTS, B., 1988. *Dragonfly*. Black, London. ii+25 pp. ISBN 0-7136-3053-1. (Hard cover, 21 X 21 cm). – Price in UK: £ 4.50 net. – (Publishers: A. & C. Black, 35 Bedford Row, London, WC1R 4JH, UK).
A children's picture book on life history of *Aeshna cyanea*. The lay-out and style are similar to the work listed in *OA* 3696.

1989

- (10192) NIEHUIS, M., 1989. *Seltene Tiere bei Eisenberg: Beobachtungen an Tongruben, Weihern und Teichen. Donnersberg Jb.* 1989: 138-140. – (Im vorderen Grossthal 5, D-76857 Albertsweiler).
12 odon spp., incl. *Cercion lindenii*, *Coenagrion pulchellum*, *Erythromma viridulum*, *Anaciaeschna iso-sceles*, *Anax parthenope*, *Crocothemis erythraea* are listed; Rheinland-Pfalz, Germany.

1990

- (10193) MARGARITORA, F.G., 1990. *Influenza di Gambia affinis sulla struttura e dinamica dei popolamenti zooplanctonici degli stagni di Castel Porziano (Lazio)*. *Riv. Idrobiol.* 29(3): 747-762. (With Engl.s.). – (Dipto Biol. Anim. & Uomo, Univ. Roma "La Sapienza", Viale dell'Università 32, I-00185 Roma).

A small number of unidentified odon. larvae were collected while sampling the planctonic associations of 2 ponds in central Italy.

- (10194) ONO, Y., 1990. Aggregation of the damselfly, *Sympecma paedisca paedisca*, in hibernation. *Nihon-no-Seibutsu* 4(4): 67. (Jap., with Engl. title). – (Author's address not stated).
At Miyato, Miyagi pref., Japan, in late January, 208 individuals were noticed hibernating in the roof of a timber shed, and ca 500 in the boards of a tin shed (one of these containing an aggregation of over 100 individuals within a surface of 110X24 cm). – Cf. also OA 8502, 10187, 10284.

1992

- (10195) DAIGLE, J.J., 1992. Florida dragonflies (Anisoptera): a species key to the aquatic larval stages. *Techn. Ser. Fla Dept environ. Regul.* 12(1): iv+30 pp. – (Author: 2166 Kimberly Lane, Tallahassee, FL 32311, USA).

A companion vol. to that listed in OA 8645, it presents the key for ultimate larval stages of the Florida Anisoptera (112 spp.), of which only the larvae of 4 spp. are still either undescribed or insufficient material exists for identification purposes. – The presence of *Erythemis simplicicollis*, *Pachydiplax longipennis* and *Perithemis tenera seminole* indicates very low oxygen levels and possible organic pollution. – (Abstracter's Note: The 2 booklets are available from the Editors of *Odonatologica*, at NLG 50.- net, and present the sole commercially available identification work for the larvae of a N. Amer. region).

- (10196) HOLTHAUSEN, P., 1992. *Untersuchungen zur Besiedlung von neugeschaffenen Gewässern durch Libellen im Bremer Raum.* DiplArb., Inst. Geogr., Univ. Münster, Münster. xii+125 pp. – (Author's address unknown).

The title of this work is somewhat misleading. It is a very detailed account of odon. communities, encountered during the 1990 season at 23 water bodies in the Ochtum lowlands nr Bremen, Germany. It does not deal with the succession of odon. assemblages in the newly man-made habitats.

- (10197) SAVINO, J.F., E.M. MARSCHALL & R.A. STEIN, 1992. Bluegill growth as modified by plant density: an exploration of underlying mechanisms. *Oecologia* 89: 153-160. – (First Author: Natn. Fish.

Res. Center Great Lakes, 1451 Green Rd, Ann Arbor, MI 48105, USA).

Bluegill, *Lepomis macrochira*, growth varies inconsistently with plant density. In laboratory and field experiments, mechanisms underlying its growth as a function of plant and invertebrate density were explored. In the laboratory, bluegills captured more *Chironomus riparius* than *Enallagma* and *Ischnura* spp., but the energy intake per time spent searching did not differ between damselfly and chironomid treatments. From laboratory data, prey encounter rates were described as functions of plant and invertebrate density. Field work was performed at Clark Lake, Ohio. Contrary to previous work, vegetation did not influence growth or diet beyond relatively low densities owing to the interaction between capture probabilities and macroinvertebrate densities.

- (10198) YAJIMA, M. & S. YABU, 1992. *Tombo-ike tsukuro.* – [Let us make a dragonfly pond to propagate dragonflies]. Tokyo Shichoson Jichi Chosakai, Tokyo, 36 pp. (Jap.). – (Second Author: Dept Forestry, Fac. Agric., Kogoshima Univ., 21-24 Korimoto 1, Kogoshima, 890, JA).

The first part of the booklet deals generally with dragonflies. In the second part, the Tama area (western suburbs of Tokyo) is described and its odon. fauna is listed (62 spp., vernacular nomenclature). The final part is an encouragement for setting up dragonfly ponds in the said area. – The booklet is probably distributed free upon request.

1993

- (10199) BEGUM, A., M.A. BASHAR, M.U. AHMED & V. BISWAS, 1993. Studies on the life history of *Potamarcha congener* (Rambur) (Odonata: Libellulidae). *Ann. Ent.* 11(1): 26-33. – (Second Author: Dept Zool., Univ. Dhaka, Dhaka-1000, Bangladesh). The life history of the Dhaka population is described. The sp. breeds during Apr.-Sept. and, on average, the life cycle is completed in 81.5 days. Structural features of all instars are described and illustrated, and notes are provided on mating and oviposition behaviour.
- (10200) FASANO, S., S. PIRONE & R. TOFFOLI, 1993. Nuovi dati sugli odonati della provincia di Cuneo (Insecta, Odonata). *Riv. piemont. Stor. nat.* 14: 129-136. (With Engl.s.). – (First Author: Mus. Civ. Stor. Nat., Cascina Vigna, C.P. 89, I-10022 Carmag-

nola/TO).

A checklist is given of the 42 spp. hitherto known from the prov. of Cuneo, Piedmont, NW Italy, and new and commented records are presented of 15 spp. – (*Abstracter's Note*: The listing of *Somatochlora meridionalis* from Cuneo, probably represents its westernmost known record. Cf. also OA 2347).

- (10201) KUHN, K., 1993. Die Libellen des Landeskreises Augsburg. *Landschaft & Natur* 1: 318-322. – (Ravenspurger Str. 7, D-86150 Augsburg).

A briefly commented checklist of 45 spp.

- (10202) LAHIRI, A.R. & B. MITRA, 1993. New records of dragonflies (Insecta: Odonata) from Bay Island. *J. Andaman Sci. Ass.* 9(1/2): 96-99. – (First Author: Zool. Surv. India, M Block, New Alipur, Calcutta-700053, India).

8 spp. are recorded from Bay Is., all of which are new for the odon. fauna of the Andaman & Nicobar Archipelago, Indian Ocean.

- (10203) SCHMIDT, B., 1993. Ökologische Untersuchungen zur Libellenfauna der Petite Camargue Alsacienne 1993: speziell der Sumpf-Heidelibelle (*Sympetrum depressiusculum*) unter Berücksichtigung der Vegetation und der Hydrodynamik. *Ber. ForschStn RANA* 1993: 1-6. – (Kohlenbacher Talstr. 18, D-79183 Waldkirch-Kollnau).

A commented list of 33 spp., with detailed descriptions of the emergence, larval and adult habitat selection and adult behaviour in *S. depressiusculum*; nature reserve "Petite Camargue Alsacienne", dép. Haut-Rhin, France. – Cf. also OA 8973.

- (10204) SINSBECK, D., 1993. *Ökologische Untersuchungen zur Libellenfauna im "Sieben-Seen-Gebiet", westliches Nestos-Delta, Nordost-Griechenland*. DiplArb., Inst. Geogr., Univ. Münster, Münster. vi+95 pp. – (Author: Grottemeyerstr. 9, D-48159 Münster). Subsequent to the papers listed in OA 9956 and 10060, this is the "concluding monograph" on the odon. fauna of this highly interesting region of NE Greece (31 spp.), with emphasis on habitat description and field observations on single spp., and with a discussion on various conservation aspects.

1994

- (10205) ARNOLD, A., T. BROCKHAUS & W. KRETSCHMAR, 1994. *Rote Liste Libellen*. Landes-

amt Umwelt u. Geol., Freistaat Sachsen, Radebeul. 12 pp. – (First Author: Nordstr. 39/551, D-04105 Leipzig).

A nicely produced odon. Red List for the state of Saxony, Germany. The status of 46 spp. is assessed.

- (10206) BĂNĂRESCU, A. & T.T. NALBANT, 1994. Benthic and phytophylous fauna from the Danube Delta. (I). *Trav. Mus. Hist. nat. "Grigore Antipa"* 34: 419-434. (With Fr. & Roman.s's). – (First Author: Mus. Nat. Hist. "Grigore Antipa", Sos. Kiseleff 1, RO-79744 Bucuresti-1).

The results of investigations (Sept.-Oct. 1993) of 15 lakes and other water bodies in the Danube Delta, Romania, are presented. The quantitative odon. data are stated suborder-wise only.

- (10207) BELLE, J., 1994. On five species of *Progomphus* Selys from Brazil with the descriptions of four new taxa (Odonata: Gomphidae). *Zool. Meded.* 68(19): 203-214. – (Onder de Beumkes 35, NL-6883 HC Velp).

P. angeloi sp.n. (♂ holotype: State of Amazonas, Tefé), *P. basalis* sp.n. (♂ holotype: State of Minas Gerais, Porto Cabral), *P. bidentatus* sp.n. (♂ holotype: State of São Paulo, Lins), *P. microcephalus* sp.n. (♂ holotype: probably south-eastern part of Brazil) and the hitherto unknown ♀ of *P. nigellus* Belle are described and illustrated. A key to the Brazilian members of the genus is provided.

- (10208) BELLSTEDT, R., 1994. Beitrag zur Fauna des Herbslebener Teichgebietes im Hainich-Unstrut-Kreis/Thüringen (Mammalia, Amphibia, Pisces, Insecta, Aranea, Crustacea, Mollusca). *Thür. faun. Abh.* 1994: 122-152. (With Engl.s.). – (Author's current address unknown).

Contains an annotated list of 27 odon. spp.; Thuringia, E Germany.

- (10209) BESCHOVSKI, V.L., 1994. *Insecta: Odonata. Fauna bulgarica* 23: ii+372 pp., 174 textfigs. ISBN 954-430-051-1. (Bulg.). – (Author: Inst. Zool., Bulg. Acad. Sci., Blvd Tzar Osoboditel 1, BG-1000 Sofia).

This is a comprehensive monograph on all what is known on the Bulgarian odon., with descriptions, keys, structural figs and distribution maps. The regional bibliography is not entirely complete. – The book is certainly to remain the standard work on the odon. of Bulgaria for a long time to come.

- (10210) BOCK, H., K. DOEGE, M. JENTZSCH, W. NEEF, T. PIETSCH & H. WOLTER, 1994. Bestands-erfassung ökologisch wertvoller Militärflugplatzes im Regierungsbezirk Halle. *NatSchutz Sachsen-Anhalt* 31(2): 19-32. – (First Author: NatSchutzStn "Südharz", Poststr. 17, D-06543 Wippra). Gives a checklist of 12 common odon. spp.; Sangerhausen distr., Sachsen-Anhalt, E Germany.
- (10211) BÖNISCH, R., 1994. Die Odonaten der Naab-Wondreb-Senke/Nordost-Bayern unter besonderer Berücksichtigung von *Sympetrum depressiusculum*. *Mater. NatSchutzZentr. Wasserschloss Mitwitz* 94(1): 85-88. – (Gummelbergweg 4, D-95652 Kondrau). A commented list of 42 spp., with field notes on the ecology and behaviour of *S. depressiusculum*: Naab-Wondreb basin, NE Bavaria, Germany.
- (10212) BROCKHAUS, T., 1994. Ökologische Charakterisierung zweier Schutzgebiete in der Stadt Chemnitz anhand ihrer Libellen- und Herpetofauna (Insecta-Odonata; Vertebrata-Amphibia et Reptilia). *Veröff. Mus. Naturk. Chemnitz* 17: 239-252. – (An der Morgensonne 5, D-09387 Jahnsdorf/Erzgeb.). Commented odon. checklists are given for 2 nature reserves in the Chemnitz city area, E. Germany. The records of *Sympetma fusca* and *Leucorrhinia albifrons* are of particular local interest.
- (10213) BROCKHAUS, T., 1994. Rote Liste der Libellen – Black Box für den praktischen Naturschutz? *Verh. westdt. EntTag. Düsseldorf* 1993: 43-50. – (An der Morgensonne 5, D-09387 Jahnsdorf/Erzgeb.). The value of odon. Red Lists of 11 states of Germany is critically assessed. It is concluded, their impact on species conservation is smaller than generally assumed.
- (10214) BUCHWALD, R., 1994. Zur Bedeutung Artenzusammensetzung und Struktur von Fließgewässer-Vegetation für die Libellenart *Coenagrion mercuriale* mit Bemerkungen zur Untersuchungsmethodik. *Ber. Reinh.-Tuxen Ges.* 6: 61-81. (With Engl.s.). – (Inst. Geobot., Univ. Freiburg, Schänzlerstr. 1, D-79104 Freiburg/Br.). In S Germany, *C. mercuriale* is considered a characteristic sp. of the low/moderate velocity, sunny, neutral-alkaline grassland brooks; its habitats are located close to the springs, and/or they are connected with ground water. Habitat selection is probably triggered by a specific vegetation.
- (10215) DUNHAM, M., 1994. An easily-constructed temporary cage for studying animals in the field. *Fla Ent.* 77(4): 505-508. – (Dept Ent., Univ. Kentucky, Lexington, KY 40546, USA). A detailed technical description for the construction of a 10 × 20 × 3 m cage, which has been successfully used for the study of behaviour in *Pachydiplax* (cf. OA 8542, 9261 and *Odonatologica* 23[1994]: 55-62). Also *Calopteryx* survived several weeks at a section of a small stream enclosed by this cage.
- (10216) GEISTER, I., 1994. *Zagovori narave*. – [*Nature's pleadings*]. Geister, Naklo. 160 pp. – Price: SIT 4200.- net. (Slovene). – (Pokopališka pot 13, SLO-64202 Naklo). A collection of selected literary essays, related to nature conservation, and published originally in various Slovene journals and newspapers. The texts are noted for the beautiful style and rich expression. Aside of a dragonfly motif on the cover, the book contains but a single text reference to dragonflies. – Appended is B. GRADIŠNIK's brief essay on the personality and style of this modern prose-writer, poet and naturalist. Born: 20 Aug. 1945, Laško, Slovenia; lawyer, nature conservationist, ornithologist, odonatologist, editor of the Slovene odonatol. periodical, *Exuviae*, etc., etc. – (*Abstracter's Note*: On 20 Sept. 1992, I.G. paid a visit to SIO Central Office at Bithoven. For the Guest Book he composed the following dragonfly verse [in Slovene]: "*Naj me ljubi Bog/al' sovraži hudir,/ vselej sem bosih nog,/ ko leta kačji pastir.*")
- (10217) GOMPHUS. *Mededelingsblad van de belgische libellenonderzoekers*. – *Bulletin de liaison des odonatologues belges*, Vol. 10, Nos 1 (June 1994), 2 (Oct. 1994), 3 (Dec. 1994). (Dutch & Fr., some with Engl.s.). – (c/o Dr P. Goffart, Unité Ecol. & Biogéogr., Univ. Catholique, 4-5 place Croix-du-Sud, B-1348 Louvain-la-Neuve). [No. 1]: *Goffart, P./A. Anselin*: Editorial (pp. 1-3); – *De Knijf, G.*: [The occurrence of *Sympetma fusca* in East and West Flanders] (pp. 4-9); – *Goffart, P.*: Commentaires à propos du stat de *Cercion lindenii* en Wallonie (pp. 10-12); – *Anselin, A.*: [News on the forthcoming Belgian dragonfly distribution atlas] (pp. 13-18); – *Liste des collaborateurs atlas* (pp. 19-24); – *Lafontaine, R.-M. & P. Goffart*: Compte-rendu de l'excursion du 4 juillet 93 en Gaume (pp. 25-27); – *Goffart, P.*: Compte-rendu de l'excursion dans la Haute-Meuse et la Basse Lesse du 26 juin 1993 (pp.

28-30); – *Annales* (pp. 31-33); – *Excursions* (pp. 34-35. – [No. 2]: *Anselin, A./P. Goffart*: Editorial (pp. 37-38); – *Bonte, D.*: [Odonata in the dune area of the Flemish Westcoast: results of the 1990-1994 survey] (pp. 39-44); – *De Knijff, G.*: [Rediscovery of *Lestes barbarus* (Fabricius, 1798) in Belgium] (pp. 45-49); – *Titeux, H. & P. Goffart*: Découverte d'une population de *Libellula (Ladona) fulva* en Wallonie et commentaires sur le status de l'espèce (pp. 50-63); – *Verscheure, C.*: [An addition to "The occurrence of *Symplocma fusca* in East and West Flanders"] (p. 64); – *De Knijff, G.*: [ditto] (p. 65); – *Anselin, A.*: [Report on the dragonfly field trip to Les Epioux, 28.08.1994] (pp. 66-67); – *De Knijff, G.*: [Report on the field trip to the Damvallei at Gent, 2 July 1994] (pp. 67-70); – *Publications odonatologiques récentes* (by *P. Goffart & M. Taily*; pp. 71-74); – *Annales* (p. 75). – [No. 3]: *Anselin, A./P. Goffart*: Editorial (pp. 77-78); – *Dumont, H.*: [Where stays Hemianax ephippiger?] (pp. 79-83); – *Stoks, R.*: [First Belgian record of the breeding *Lestes barbarus* (Fabricius, 1798)] (pp. 84-87); – *De Knijff, G.*: Bibliographie odonatologique 1989-1994 (pp. 88-96); – *Taily, M.*: Protection légale des libellules en France pp. 97-98); – *Annales* (pp. 99-100).

(10218) HADRYN, H. & M.T. SIVA-JOTHY, 1994.

Unravelling the components that underlie insect reproductive traits using a simple molecular approach. *Experientia Suppl.* 69: 75-90. – (First Author: Dept Biol., Yale Univ., P.O. Box 6666, New Haven, CT 06511, USA; – Second Author: Dept Anim. & Plant Sci., Univ. Sheffield, P.O. Box 601, Sheffield, S10 2UQ, UK).

Applications of RAPD technology to questions of paternity and maternity of insect (odon.) reproductive traits are discussed. Presented are 3 case studies, where RAPD fingerprinting reveals levels of complexity in insect systems that are helpful in understanding the causal mechanisms underlying observed behaviour. The ways in which RAPD data can be analysed to generate information about kinship are also considered. – Cf. also *OA* 8492, 8837, 9542.

(10219) INOUE, K. [Compiler & Editor], 1994 [July; actually published in May, 1995].

Proceedings of the Twelfth International Symposium of Odonatology, Osaka, August 1-11, 1993. Japan Branch SIO, Osaka. v+128 pp, 32 col. pls (ca 80 phot.) incl. ISBN none. – Price: NLG 78.- net. (Jap., with Engl. titles, captions and contents table; verbatim texts of addresses

bilingual). – (Orders outside Japan to: the Eds of *Odonatologica*, P.O. Box 256, NL-3720 AG Bilthoven). This is a splendidly produced book (18.0 x 25.5 cm), presenting a very detailed record of the preparatory work and of the actual proceedings (but not the papers) of the Symp., incl. an account of all the related events and activities. With its unusually rich photographic documentation, it will certainly remain a treasured recollection to the participants (to all of whom it has been supplied by the Organizer free of charge), while the detailed accounts of decision making, organisational set-up, patronage, sponsorship & financial sources, organisation of the main proceedings and of the secondary Symp. events, etc., etc. will be of a considerable professional interest also to the organizers of similar, medium-sized international entomological gatherings. The book also contains verbatim (mostly bilingual) texts of the "social" and other addresses that are often of considerable intrinsic importance, but remain usually unpublished. The editorial and typographic presentation is excellent, the editorial composition of the pls is superb. – The elaborate contents table cannot be listed here. – The Organizing Committee consisted of 18 workers with specified tasks, and of another 44 members rendering a general support. Various kinds of support and patronage were rendered by 20 national, regional and local institutions, while financial donations were received from numerous companies, societies and private persons. All the proceedings and all other activities, incl. all the presentations in scientific sessions, were most meticulously video-recorded, and intensely covered by national and local TV stations and the press: in Osaka and Nakamura, as well as during the up-country field trips. A video-summary (ca 1 h) has also been made available, in a Jap. and in a Europ.-system version. Simultaneous translation of presentations in the "Open Session" (organized for the Osaka general public, attended by ca 1000 persons) was also provided. A large-scale odonatol. scientific and sale exhibit (incl. a review of the world fauna, and the sale of literature, field & collection equipment and of dragonfly "memorabilia"), was organised in the premises of a large department store. Up to the date of the venue, the Organizing Committee issued 12 publications, while many more were provided by the sponsoring institutions. – The following are the bilingual texts of various addresses, published in the book: *Inoue, K.*: [Opening address] (pp. 45-46); – *Kiauta, M.*: [Tanka in the Memorial Session for the late Dr J.M. van Brink] (p. 47; Engl.

- & Germ.); – *Inoue, K.*: [Closing address] (pp. 53-54); – *Kiauta, B.* [ex officio]: Declaration concerning Dragonfly-Kingdom and Dragonfly Museum (p. 63); presented on behalf of the participants to the Mayor of Nakamura); – [Lectures & movies in the Open Meeting for the Osaka citizens]: *Corbet, P.S.*: Wonders of dragonfly biology (pp. 68-77); – *Rüppell, G.*: Life in flight stopped with a high speed camera (pp. 77-84); – *Moore, N.W.*: How can we help conserve dragonflies throughout the world? (pp. 81-88); – (*Anonymous*): Cinema: A country life with dragonflies... (pp. 88-89). – The book also contains checklists of spp. evidenced during some field trips, and the autograph and group phot. of the Symp. participants.
- (10220) *JANSEN, W. & H. RAHMANN*, 1994. Monitoring für den Hochmoorkomplex Wurzacher Ried. 3. Monitoring der Fauna: 1. Erfolgskontrolle im Haidgauer Torfstichgebiet. *Hohenheim. UmweltTag*. 26: 111-123. – (Inst. Zool., Univ. Hohenheim, D-70593 Stuttgart).
Contains a comprehensive analysis of the odon. assemblage of a particular peatbog habitat in the Wurzacher Ried. – Cf. also e.g. *OA* 8957, 9230.
- (10221) *KERIHUEL, C.*, 1994. [Espèces de libellules sarthoises protégées, présentes dans la vallée Narais]. *Troglodyte* 8: 31. – (2 Impasse Ravault, Apt 2, F-72190 Coulaines).
A list of 8 spp.; dép. Sarthe, France.
- (10222) *KERIHUEL, C.*, 1994. [Les gomphidés de la Sarthe]. *Troglodyte* 8: 32. – (2 Impasse Ravault, Apt 2, F-72190 Coulaines).
6 spp., with brief annotations; dép. Sarthe, France.
- (10223) *KERIHUEL, C.*, 1994. Proposition d'une liste rouge des odonates a protéger en Sarthe. *Troglodyte* 8: 27-28. – (2 Impasse Ravault, Apt 2, F-72190 Coulaines).
For dép. Sarthe, France, 3 lists are presented, viz.: 12 regional spp. that are listed in the national Red List (cf. *OA* 5835), 11 other, in the dép. rare spp., and 6 spp. that were not recorded in dép. after 1960.
- (10224) *ŁABEDZKI, A.*, 1994. Ważki różnoskrzydłe (Odonata, Anisoptera) jako czynnik redukujący szkodliwą entomofaunę leśną. – The dragonflies (Odonata, Anisoptera) as a factor controlling forest insect pests. *Wiad. entomol.* 13(1): 5-12. (Pol., with Engl.s.). – (Katedra Entomologii Leśnej AR, ul. Wojska Polskiego 71 c, PO-60-625 Poznan).
Based on the gut contents analyses, the anisopterans in various pine wood habitats did not show a distinct preference for any particular insect prey sp.; they were simply feeding on those spp. that were most numerous in the respective habitat.
- (10225) *ŁABEDZKI, A.*, 1994. Ważki (Odonata): terytorializm imagines a rozwój gatunkowy. – Dragonflies (Odonata): territorialism of imagines and their development. *Wiad. entomol.* 13(2): 69-80. (Pol., with Engl.s.). – (Katedra Entomologii Leśnej AR, ul. Wojska Polskiego 71c, PO-60-625 Poznan).
Dragonfly bionomics and ecology are briefly reviewed, and the various types of territoriality are discussed in some detail.
- (10226) *MITRA, T.R.*, 1994. Observations on the habits and habitats of adult dragonflies of eastern India with special reference to the fauna of West Bengal. *Rec. zool. Surv. India* (Occ. Pap.) 166: 1-40, col. pls 1-3 excl. – (18/1 Dakshinpara Rd, Calcutta-700028, India).
This is a comprehensive record of field observations, gathered since 1966 in E Himalaya (Darjeeling & Sikkim), the Assam Valley, Bihar and West Bengal. Appended is a checklist of the spp. known from E India. – As new are described and illustrated: *Calicnemia sudhaae* sp.n. (holotype ♂, allotype ♀: Mizoram, Telrei, 24-X-1991) and *Gomphidia leonora* sp.n. (holotype ♂, allotype ♀: West Bengal, Bankura, Susunia Hill, 2-VII-1974), the type material of both is deposited at ZSIC, Calcutta. – *Orthetrum chandrabali Mehrotra* and *O. ganeshi mehrotra* are synonymised with *O. triangulare* (Sel.).
- (10227) *MOLA, L.M. & A.G. PAPESCHI*, 1994. Constancia cariotipica en el genero *Erythrodiplax* (Odonata). *Resum. 25 Congr. an. Soc. argent. Genet., La Plata*, p. 73. [Abstract only]. – (Bulnes 761 10'A, AR-1176 Buenos Aires).
The karyotypic morphology is briefly reviewed in 9 Argentinian spp., of which *E. corallina*, *E. lygaea* and *E. ochracea* were not studied previously. The complement features are mostly fairly uniform throughout the genus (2n=25, n=13, m; XO), save for *E. chromoptera* (n=11) and for the Argentinian population of *E. media* (2n=22), which are also peculiar by the occurrence of a neo sex determination mode. As it appears, generally, the speciation in

Erythrodiplax was not accompanied by major modifications in karyotypic morphology.

- (10228) MOLA, L.M. & A.G. PAPESCHI, 1994. Karyotype evolution in *Aeshna* (Aeshnidae, Odonata). *Hereditas* 121: 185-189. – (First Author: Bulnes 761 10'A, AR-1176 Buenos Aires).

The haploid DNA content of *A. confusa* ($2n=27$, $n=13 + XO$, ♂), *A. bonariensis* ($2n=26$, $n=12 + neo-XY$, ♂) and *A. cornigera planaltica* ($2n=16$, $n=7 + neo-XY$, ♂) has been determined (2.16 ± 0.16 pg, 1.81 ± 0.17 pg, and 2.08 ± 0.08 pg, resp.). Despite the differences in chromosome size and number, differences in DNA content between spp. are not significant. The karyotypic analysis of *Aeshna* spp. leads to the conclusion that fusions between autosomes or autosome and the sex chromosome, are the only chromosome rearrangement that occurred during evolution. In the spp. here studied, fusions have taken place with a minimal loss of DNA; however, other congeners show important differences in genome size, which cannot only be justified by fusion events.

- (10229) MOORE, N.W., 1994. Odonata Specialist Group. *Species* 23: 72. – (Farm House, 117 Boxworth End, Swavesey, Cambridge, CB4 5RA, UK).

A brief progress report (cf. also OA 9474, 9890). Work continues on the Dragonfly Action Plan and on the creation of a conservation database for Odon. A feasibility trial on data retrieval is in progress. Dr R.J. Rowe (Dept Zool., James Cook Univ., Townsville, Qld 4811, AU) has agreed to take the late Dr J.A.L. Watson's place in the Group. Dr J. van Tol (Natn Mus. Nat. Hist., P.O. Box 9517, NL-2300 RA Leiden) will henceforth cover Indonesia, and now has a leading role in creating the Odon. database.

- (10230) MULLER, J., 1994. Die Libellenfauna (Odonata) und deren Gefährdungstatus im Land Sachsen Anhalt ("Rote Liste-Korrektur"). *MittBl. Ent. Verb. Sachsen-Anhalt* 2(2): 39-52. – (Pablo-Neruda-Str. 9, D-39126 Magdeburg).

Supplementary and corrective notes re the work listed in OA 10057.

- (10231) NEL, A. & F. ESCUILLE, 1994. A new dragonfly from the Lower Cretaceous of Brazil. *Palaeontology* 37(4): 923-930. – (First Author: 8 av. Gassion, F-13600 La Ciotat).

Procordulagomphus xavieri gen.n., sp.n. is described and illustrated from the Crato Formation, Araripe

Basin, Nova Olinda, Brazil.

- (10232) NEL, A., X. MARTÍNEZ-DELCLÒS, F. ESCUILLE & P. BRISAC, 1994. Les Aeshnidae fossiles: état actuel des connaissances (Odonata, Anisoptera). *Neues Jb. Geol. Paläont. Abh.* 194(2/3): 143-186. (With Engl.s., in which the new taxa are not mentioned). – (First Author: 8 av. Gassion, F-13600 La Ciotat).

A critical review (with descriptions and comments) of the hitherto known fossil taxa in the Aeshnidae. As new are described: *Aeshna oligocenica* Nel sp.n., *A. cerdanica* Nel & Martínez-Delclòs sp.n., *A. andanicensi* Nel & Brisac sp.n., and *Aeshnoplebia miocenica* Nel & Escuille sp.n.

- (10233) NEL, A. & J.-C. PAICHELER, 1994. Les Libelluloidea autres que Libellulidae fossiles: un inventaire critique (Odonata, Corduliidae, Macro-miidae, Synthemiistidae, Chlorogomphidae et Mesophlebiidae). *Nouv. Revue Ent. (N.S.)* 11(4): 321-334. (With Engl.s.). – (First Author: 8 av. Gassion, F-16300 La Ciotat).

A descriptive catalogue of spp. in the said families. *Araripelibellula martins-netoi* gen.n., sp.n. (Corduliidae, Corduliinae) is described and illustrated from the Santana Formation, Upper Aptien, Lower Cretaceous of Chiapada do Araripe, Brazil (holotype No. LP-R. 54376 in MNHN, Paris).

- (10234) NOVELO-GUTIERREZ, R., 1994. Las nayades de *Protoneura aurantiaca* Selys y *P. cupida* Calvert (Odonata: Zygoptera: Protoneuridae). *Fol. ent. mex.* 90: 25-31. (With Engl.s.). – (Inst. Ecol., A.C., Apdo postal 63, MX-91000 Xalapa, Veracruz). The larvae of the 2 spp. are described, illustrated and compared with that of *P. ailsa*.

- (10235) NUYTS, E. & N.K. MICHIELS, 1994. The influence of sperm precedence patterns and mating costs on copulation duration in odonates; predictions and supporting data. *Belg. J. Zool.* 124(1): 11-19. – (Zool. Res. Gr., Limburgs Univ. Cent., Universitaire Campus, B-3590 Diepenbeek).

The predictions of the previously developed model (OA 9156) are compared with data on the odon. In general, the data seem to support the predictions, especially the prediction that territoriality, a lower take-over probability, a higher ♀ encounter rate, or a shorter time between copulation and the first oviposition bout shorten the copulation. Some prac-

tical applications of the model are pointed out.

- (10236) POYSA, H., M. RASK & P. NUMMI, 1994. Acidification and ecological interactions at higher trophic levels in small forest lakes: the perch and the common goldeneye. *Annls zool. fenn.* 31(4): 397-404. – (First Author: Finn. Game & Fish. Res. Inst., Evo Game Res. Stn, Kaitalammintie 75, SF-16970 Evo). Contains passing references to the occurrence of odon., quantitatively and order-wise only; Evo State Forest, S Finland.
- (10237) RECK, H., W. JANSEN, M. BUCHWEITZ, S. GEISLER, G. HERMANN, G. KAULE, H. RAHMANN & R. WALTER, 1994. Monitoring für den Hochmoorkomplex Wurzacher Ried. 3. Monitoring der Fauna: 2. Gesamtkonzept Fauna. *Hohenheim. UmweltTag.* 26: 125-144. – (c/o Prof. Dr H. Rahmann, Inst. Zool., Univ. Hohenheim, D-70593 Stuttgart). Gives habitat distribution for 8 odon. spp. – For a comprehensive work on the odon. fauna of this area cf. e.g. *OA* 8957.
- (10238) RUDOLPH, R., 1994. Grosse Pechlibelle (*Ischnura elegans*). *Natur & Heimat, Münster* 54(3): cover. – (Biol. Didaktik, FB-18, Univ. Münster, Fliednerstr. 21, D-48149 Münster). Cover phot. of a copula.
- (10239) RUEDEESARNT, W. [text] & M. LUENGVORAPHANT [photographs], 1994. Dragonfly, a charming predator. *Feature Mag., Bangkok* 116: 152-164. (Thai, with Engl.s.). – (c/o Bro. A. Pinratana, St Gabriel's Coll., 565 Samsen Rd, Bangkok-10300, Thailand). This is a comprehensive outline of dragonfly biology (etc.), directed at the general reader, with emphasis on the Thai fauna. A pictorial (col.) "key" to the common Thai spp. is also included. – Dr M. HÄMÄLÄINEN has helped in the preparation. His portrait, a biographic note, and an outline of his manifold works on the odon. fauna of Thailand are appended.
- (10240) SAHLÉN, G., 1994. Tundratrollsländan *Somatochlora sahlbergi* funnen i nordligaste Sverige. – The dragonfly, *Somatochlora sahlbergi* Trybom, 1889, found in northern Sweden (Odonata, Corduliidae). *Ent. Tidskr.* 115(4): 137-142. (Swed., with Engl.s.). – (Sect. Ent., Dept Zool., Uppsala Univ., Villavägen 9, S-752 36 Uppsala). A population is reported from small bog tarns, 50 km W of Karesuando, Torne Lappmark, located ca 240 km WSW of the nearest Finnish locality. Some field notes on adult behaviour are also provided.
- (10241) SAWANO, J., M. SATO, M. IWAMOTO, Y. HAMASAKI & K. KANEMOTO, 1994. [Studies on the conservation of *Orthetrum poecilops miyajimensis*]. *J. Hiroshima Mushi-no-kai* 33: 5-10. (Jap.). – (First Author: 7-2560-5, Umaki, Higashi-ku, Hiroshima, 735, JA). Since 1955 (but mostly during 1991-1994), the Authors were engaged in various studies on this sp., which is endemic to Miyajima Is. (Hiroshima pref.), Japan. This is a report on its habitats, biology and distribution, and tentative measures for its habitat conservation are proposed.
- (10242) SCHMIDT, E., 1994. Naturschutz und Formenkunde: Konflikte und ihre Bewältigung am Beispiel von Gewässeruntersuchungen durch Schüler. In: H. Bayrhuber et al., [Eds], *Interdisziplinäre Themenbereiche und Projekte im Biologieunterricht*, pp. 297-301, Inst. Pädagogik, Univ. Kiel, Kiel, ISBN 3-89088-086-X). – (Author: Biol. Didaktik, FB-9, Univ. Essen, Postfach 103764, D-45117 Essen). Contains incidental references to the odon.
- (10243) SCHMIDT, E., 1994. Ordnung Odonata, Libellen. In: M. Schaefer, [Ed.], *Brohmer – Fauna von Deutschland. Ein Bestimmungsbuch unserer heimischen Tierwelt*, 19th ed., pp. 218-226, Quelle & Meyer, Heidelberg-Wiesbaden, ISBN 3-494-01225-3. – (Author: Biol. Didaktik, FB-9, Univ. Essen, Postfach 103764, D-45117 Essen). This popular work commenced publication in 1914, by P. Brohmer (deceased Jan. 1965). During the last 3 decades, the following edns (incl. odon. Authors) were published: 9th (1964; G. Ulmer, deceased 15 Jan. 1963); – 10th (1969; W. Tischler, with a key by E. Schmidt, but this is not stated); – 11th (1971; E. Schmidt & W. Tischler; *OA* 113); – 12th (1974; E. Schmidt also in all subsequent edns; *OA* 895); – 13th (1977; *OA* 1926); – 14th (1979; *OA* 2914); – 15th (1982); – 16th (1984; *OA* 4788); – 17th (1988); – 18th (1992); – 19th (the present).
- (10244) SCHMIDT, E., 1994. Zur Problematik eines Naturschutzgebietes am Beispiel der Odonatenfauna einer aufgelassenen Tongrube (NSG Plümerfeld

Nord, Ondrup bei Lüdingshausen, Westmünsterland). *Verh. westdt. EntTag, Düsseldorf* 1993: 31-42. (With Engl.s.). – (Biol. Didaktik, FB-9, Univ. Essen, Postfach 103764, D-45117 Essen).

The fauna (28 spp.) of an abandoned clay pit in W Westfalia, Germany is described, field observations are presented on some spp., and the impact of various kinds of human habitat disturbance is systematically analysed.

- (10245) SCHRODER, H., 1994. Aus den wissenschaftlichen Abteilungen. *Entomologie II. Natur & Museum* 124(11): 380-381. – (Senckenberg, Senckenberganlage 25, D-60325 Frankfurt/Main).

Most of R.A. Müller's Philippine odon. types are scheduled for deposition in SMF. – (Cf. also OA 8374).

- (10246) SCHUTTE, G., 1994. *Ausbreitungsdynamik von Calopteryx splendens (Odonata, Calopterygidae) unter Berücksichtigung der Vegetationsstruktur und technischer Bauwerke*. DiplArb., FB Biol., Univ. Marburg, Marburg. iv+116 pp. – (c/o FB Biol. & Naturschutz, Univ. Marburg, D-35032 Marburg).

C. splendens population density along a 2 km section of the Ohm R., Hessen, Germany, was ca 350-500 indiv./100 m; 2649 were marked and 39.7% of these recaptured. Sex ratio was different at different times. The mean longevity was 16.2 days (δ δ : 16, max. 59; δ δ : 13, max. 31). 85% of the recaptured indiv. were taken within 300 m from the original spot, while 23 indiv. were taken more than 1 km away (δ max. 1725 m; δ max. 1475 m). The dispersal trend in δ δ is higher than in δ δ . – The treeless sections of natural vegetation are preferred; in agricultural land the density is up to 3 times lower. The dams and bridges exercise a negative impact on the dispersal, but do not prevent it completely.

- (10247) SEKI, T., K. ISONO, M. ITO & Y. KATSUTA, 1994. Flies in the group Cyclorhapha use (3S)-3-hydroxyretinal as a unique visual pigment chromophore. *Eur. J. Biochem.* 226(2): 691-696. – (First Author: Dept Health Sci., Osaka Kyoiku Univ., Asahigaoka, Osaka, 582, JA).

In insects, retinal and 3-hydroxyretinal are used as chromophores of visual pigments, but the absolute structure of the 3-hydroxyretinal chromophore has yet to be clarified. Here, the chirality of 3-hydroxyretinal is investigated in the compound eyes of 5 orders. In Odon. (*Pantala flavescens*), Hemiptera,

Neuroptera and Lepidoptera, and suborders Nematocera and Brachycera of the Diptera, only (3R)-3-hydroxyretinal isomers were detected, but dipterans of the suborder Cyclorhapha (higher flies) and the (3S)-11-*cis* enantiomer and a mixture of (3R)-all-*trans* and (3S)-all-*trans* 3-hydroxyretinal enantiomers: the ratio of the (3R) enantiomer to the sum of both enantiomers of the all-*trans* isomer was in the range 9-32%. Despite differences in feeding habits, including one species that is a butterfly parasite, all higher flies analysed to date share the same pattern of 3-hydroxyretinal enantiomers, making them a unique group with regard to the nature of the visual pigment chromophore.

- (10248) SMOCK, L.A., 1994. Movements of invertebrates between stream channels and forested floodplains. *Jl N. Am. benthol. Soc.* 13(4): 524-531. – (Dept Biol., Virginia Commonwealth Univ., Richmond, VA 23284-2012, USA).

The magnitude, direction and temporal aspects of invertebrate movements between 2 headwater stream channels and their hardwood forest floodplains (Surry Co., VA) were determined over 1 yr. The odon. are hardly considered.

- (10249) STOLZENBURG, W., 1994. Hunting dragons. On safari for the big game of the insect world. *Nature Conservancy, Arlington/VA* 44(3): 24-29. – (c/o Ed. Office, 1815 North Lynn St., Arlington, VA 22209, USA).

A very legible account of DSA collecting trip in Oregon, with portraits of several well known US odonatologists, etc.

- (10250) *STUDIA ODONATOLOGICA HUNGARICA*, No. 2 (dated Dec. 30, 1994; received May 13, 1995). – (c/o Dr G. Devai, Dept Ecol., Kossuth Univ., P.O. Box 71, HU-4010 Debrecen).

Dévai, G., M. Miskolczi, G. Pálósi, I. Dévai & J. Harangi: A UTM grid map survey of the occurrence data of Hungarian dragonfly adults (Insecta: Odonata) published by the year 1982 (pp.5-100; Hung., with Engl.s.).

- (10251) TAKEDA, J., 1994. Plant phenology, animal behaviour and food-gathering by the coastal people of the Ryukyu Archipelago. *Humans & Nature* 3: 117-137. (With Jap.s.). – (Div. Ecol., Mus. Nature & Human Activities Hyogo, Yayoi-ga-oka 6, Sanda, 669-13, JA).

Animal behaviour and plant phenology are often good indicators for planning the gathering, fishing, hunting and farming. "*Shoujoutombo*" (*Crocothemis servilia*) emerges in May, and "*ooshikaratombo*" (*Orthetrum albistylum*) in Sept. During July-Aug., "*usubakitombo*" (*Pantala flavescens*) is often observed to fly over the sea before a typhoon strikes the Archipelago.

- (10252) TROCKUR, B., 1994. Umweltkatastrophe am Öko-See: Artenschwund durch illegalen Grasskarpfen-Besatz. *NatSchutz Saarland* 24(3): 23-25. – (Schulstr. 4, D-66636 Tholey-Scheuern). In summer 1993, the "Dillinger Öko-See", Saarland, Germany, was illegally stocked with grass carp. In consequence, the odon. community is largely destroyed; out of 17 spp., 9 have completely disappeared by 1994, incl. all Red List spp., such as *Erythromma viridulum*, *Epithea bimaculata*, *Crocothemis erythraea*. The economic damage is assessed to exceed several million DEM. – Cf. also OA 9443.
- (10253) UEDA, T., 1994. Spatial distribution of mate-searching males in the damselfly, *Cercion c. calamorum* (Odonata: Zygoptera). *J. Ethol.* 12: 97-105. – (Ishikawa Agric. Coll., Suematsu, Nonoichi-machi, Ishikawa, 921, JA). The 2 sexes meet at, or near oviposition ponds. Spatial distribution of mate-searching males is characterised by 2 principles, viz. (1) they do not go far from the previous night roosting sites, and (2) the length of stay at an oviposition site depends on its quality. The first principle is likely to be related to the decrease in the number of receptive females at a greater distance from the shore, the second principle probably reflects the predictability of female arrival at the better oviposition sites.
- (10254) WILDERMUTH, H., 1994. Grosse Moosjungfer (*Leucorrhinia pectoralis*) – eine seltene Moorlibelle. In: H. Schlegel, [Ed.], *Handbuch Moorschutz in der Schweiz*, 1, 8 pp., BUWAL, Bern. ISBN none. – [This is a loose "file collection", different parts/articles appearing at different times, there is no consecutive pagination, and no exact bibliographic data or citation instructions are stated on reprints]. – Price: CHF 400.- approx. – (Publishers: BUWAL, CH-3000 Bern; Order No. 310.710.942d; – Author: Haltbergstr. 43, CH-8630 Rüti). A concise outline of biology, habitat requirements, distribution and conservation aspects of the sp. in

Switzerland.

- (10255) ZIMMERMANN, W., 194. Bericht zur Roten Liste der gefährdeten Libellenarten in Thüringen. *Mater. NatSchutzZentr. Mirwitz* 94(1): 89-90. – (Von-Hoff-Str. 31, D-99867 Gotha). Complementary comments on the Author's Red Lists as listed in OA 8287 and 9030.

1995

- (10256) (Anonymous), 1995. Von Teufelsnadeln und Himmelsperden. *Wir u. unsere Umwelt* 1995(2): 14-15. – (Publishers: Bundesumweltministerium, Postfach 120600, D-53106 Bonn). General, in the magazine of the German (federal) Ministry of Environment.
- (10257) ABBINGH, G., 1995. *Libellen in de Boswachterij Borger. Een inventarisatieonderzoek 1992-1994. [Dragonflies of the Boswachterij Borger. An inventarisation study, 1992-1994]*. Abbingh, Assen. ii+49 pp., fold map excl. (Dutch). – (Muddegoorn 78, NL-9403 NK Assen). A detailed report on a 3 yr systematic field work in a forest bog area, Drenthe prov., the Netherlands. 29 spp. were evidenced, incl. *Lestes virens*, *Ceragrion tenellum* and *Aeshna subarctica*.
- (10258) AKERET, B. & F. STÖSSEL, 1995. Vergleichende ökologische Untersuchungen an neun Weihern im Norden des Kantons Zürich. *Vjschr. naturf. ges. Zürich* 140(1): 3-17. (With Engl.s.). – (Abt. Limnol., EAWAG, Überlandstr. 133, CH-8600 Dübendorf). 20 odon. spp. are listed from 9 ponds in canton Zürich, Switzerland, all based on larval records. – (*Abstracter's Note*: In a letter dated 9 May 1995, Prof. Dr H. Wildermuth has drawn the attention of the Ed. of that periodical to the unfortunate circumstance that at least 5 spp. were with certainty erroneously identified. If the identification of *Crocothemis erythraea* is correct, this would be the first breeding record of this sp. in Switzerland).
- (10259) ANDERS, U., 1995. Invasion der Drachenfliegen. *Wildlife* 1995 (57): 58-59. – (Author's address not stated). General, on the dragonfly world of the Camargue, France, with emphasis on the incidental massive occurrence of *Sympetrum depressiusculum*. For the triple tandem connection, the term "tridem" is intro-

duced. – For another paper/film on *S. depressiusculum* in the Camargue cf. *OA* 9062.

- (10260) AOKI, T., M. SUGIMURA, K. WATANABE & K. MATSUKI, 1995. Additional notes on the larva of *Chlorogomphus iriomotensis* Ishida (Cordulegastriidae, Odonata). *Gekkan-Mushi* 288: 16-17. (Jap., with Engl. title). – (Last Author's address: 1575-14, 3-chome, Hasama-cho, Funabashi-shi, Chiba, 274, JA).
Supplementary descriptive notes and figs. For the description cf. the paper listed in *OA* 9459.
- (10261) ARGIA. *The news journal of the Dragonfly Society of the Americas*, Vol. 7, No. 1 (May 1, 1995). – (c/o Dr & Mrs T.W. Donnelly, 2091 Partridge Lane, Binghamton, NY 13903, USA).
Signed articles: *Mauffray, B.*: A brief report of the 2nd Annual S.E. DSA Meeting (pp. 3-5); – The Odonata Information Network (p. 5); – Progress report of the *Cordulegaster sayi* study (pp. 5-6); – On the social side (p. 6); – *Orr, R.L.*: Odonata of Plummers Island (pp. 6-10); – *Daigle, J.*: Hawaii 5-0 episode No. 3 (pp. 10-12); – *Michalski, J.*: New Guinea continued (pp. 12-17); – *Donnelly, N.*: Costa Rica in the spring (pp. 17-18); – The Beatty-Donnelly Southwester Expedition, 1954 (pp. 18-20); – *Orr, R.L.*: Tumbling dragonflies revisited (pp. 20-21); – *May, M.*: Flash! Migration study not dead yet (p. 21); – *Johnson, N.F., P.W. Kovarik & R.C. Glotzhober*: Dragonflies in malaise traps (pp. 21-22); – *Harp, G.L.*: More about larval tee shirts (p. 22); – Early dragons of Warren Prairie (pp. 22-23); – *Donnelly, N.*: Do dragonflies make sound? and what in earth for? (pp. 23-25). – The issue also contains several meeting announcements in Canada and the US, some records of interest, reviews of some recent publications, etc.
- (10262) BOGNOLO, E. & I. PECILE, 1995. La fauna odonatologica del Carso triestino, del Carso goriziano e di alcune località limitrofe. *Atti Mus. civ. Stor. nat. Trieste* 46: 145-171. (With Engl.s.). – (First Author: Via Puccini 106, I-34148 Trieste; – Second Author: Mus. Friulano Stor. Nat., Via Grazzano 1, I-33100 Udine).
A commented review of the fauna (49 spp.) of the provinces of Trieste and Gorizia, Autonomous Region Friuli-Venezia Giulia, NE Italy.
- (10263) BOSSERT, T., 1995. Geburt einer Libelle. *Fotografie draussen* 26(4): 4-6. – (Author's address not stated).
7 col. phot. of an *Aeshna* metamorphosis, with a very general text and no locality data.
- (10264) *BULLETIN OF AMERICAN ODONATOLOGY*, Vol. 3, No. 1 (May 1995), No. 2 (May 1995). – (c/o Dr & Mrs T.W. Donnelly, 2091 Partridge Lane, Binghamton, NY 13906, USA).
[No. 1]: *Glotzhober, R.C.*: The Odonata of Ohio: a preliminary report (pp. 1-30). – [No. 2]: *Shiffer, C.N. & H.B. White*: Four decades of stability and change in the Odonata populations at Ten Acre Pond in central Pennsylvania (pp. 31-41); – *Ramirez, A.*: Descripción e historia natural de las larvas de odonatos de Costa Rica. 4: *Mecistogaster ornata* (Rambur, 1842) (Zygoptera, Pseudostigmatidae) (pp. 43-47).
- (10265) CARFÍ, S., V. ROMANO & F. TERZANI, 1995. Some dragonflies from the North of the Republic of Yemen. *Boll. Soc. ent. ital.* 126(3): 195-199. (With Ital.s.). – (Depto Biol. anim. & Genet., Univ. Firenze, Via Romana 17, I-50125 Firenze).
14 spp. are recorded from 16 localities. *Paragomphus sinaiticus* and *Orthetrum rasonneti* are new to the fauna of Yemen.
- (10266) *THE DRAGON-FLIER. Newsletter of the Ohio Dragonfly Survey*, Columbus, Vol. 5, No. 3 (June 1995). – (c/o B. Glotzhober, Ohio Hist. Soc., 1982 Velma Ave., Columbus, OH 43211-2497, USA).
This is a Special Issue, devoted to the rare and endangered Odon. of Ohio. It presents the preliminary listing, with definitions and instructions for further work. It is anticipated, early in 1996 a steering committee will prepare the final list for the Ohio Division of Wildlife. – Among the remaining notes, there is a brief report on the Ohio occurrence of *Neurocordulia molesta*, by *B. Counts* (p. 4), and a reference to 2 Ohio student papers, viz. by *D. Westfall* (on the odon. distribution of Washington Co.), and by *A. Wooddell* (on the relationship between the adult anisopt. size and the representation of the resp. spp. in the database. The larger spp. are difficult to capture, therefore they are under-represented in the O.D.S. database).
- (10267) DÜCKER, A. & H. BÄHR, 1995. Exkursion in einen Seggensee [...] in Vossfeld (Mecklenburg-Vorpommern), 6.-20.8.94. *Naturk. Beitr. DJN, Hamburg* 30: 62-67. – (First Author: Lehmbreite 13, D-

-37671 Höxter).

Contains an annotated list of 6 odon. spp., incl. *Lestes barbarus*; E Germany.

- (10268) DUMONT, H.J., S.N. BORISOV & R. SEIDENBUSCH, 1995. Redescription and geographic range of *Sympetrum haritonovi* Borisov, 1983 (Odonata, Libellulidae) with notes on its habitat and ecology. *Bull. Anns Soc. r. belge Ent.* 131: 65-74, col. pl. incl. (With Fr.s.). – (First Author: Inst. Anim. Ecol., Univ. Gent, Ledeganckstraat 35, B-9000 Gent). The sp. is redescribed and characterised against its closest relatives, especially *S. vulgatum decoloratum*. It is one of the smallest extant *Sympetrum* sp. Its range extends from the Pamirs and Ladakh in the E, to Anatolia in the W. It is distinctly restricted to swampy montane environments.
- (10269) DUNKLE, S.W., 1995. Florida's damselflies. *Fla Wildlife* 49(3): 26-28. – (Dept Biol., Collin Co Community Coll., 2800 E. Spring Creek Parkway, Plano, TX 75074, USA). Directed at the general reader, the paper contains several highly interesting field observations, such as e.g. during oviposition, *Hetaerina titia* ♀ may remain submerged up to 2 hr; a perched *Lestes vidua* hides whenever an anisopteran flies nearby, closing its wings and clutching close to a stem. Apparently, it instinctively regards these as enemies, but does not react this way to a human presence.
- (10270) DUNKLE, S.W., 1995. [Precinctive insect species in Florida]. Dragonflies and damselflies (Odonata). *Fla Ent.* 78(1): 25. – (Dept Biol., Collin Co. Community Coll., 2800 E Spring Creek Parkway, Plano, TX 75074, USA). An estimated 144 spp. were indigenous to Florida at the time of European discovery, 5 of these are precinctive. Up to date, 163 spp. were recorded. This figure includes 12 established immigrant spp. (1 from Asia, 3 from N.Am., 8 from the neotropics), and 7 vagrant spp., without breeding populations. No sp. has been deliberately introduced.
- (10271) EDA, S., 1995. Annual review of entomology for 1994 in particular insect groups. Dragonflies. *Gekkan-Mushi* 289: 31-37. (Jap., with Engl. title). – (3-4-25 Sawamura, Matsumoto, Nagano, 390, JA). Sequel in the series, the last paper of which is listed in OA 9589. It deals with the Japanese works and includes a group photograph of participants at the 1994 Annual Meeting of the Society of Odonatology, Tokyo.
- (10272) EDA, S., 1995. Chronicle of Japanese odonatology in 1994, with supplemental notes of 1993. *Nature & Insects* 30(3): 21-27. (Jap., with Engl. title). – (3-4-25 Sawamura, Matsumoto, Nagano, 390, JA). Sequel in the series, the last paper of which is listed in OA 9590. Among the Japanese odonatological periodicals that have commenced publication in 1994 are *Shibuchan* (cf. OA 9909) and *Symnet* (cf. OA 10027, 10130).
- (10273) ENDERSBY, I., 1995. A new dragonfly for Norfolk Island. *Norfolk Nature Notes* 11(2): 388-389. – (56 Looker Rd, Montmorency, Vic. 3094, AU). With reference to the paper listed in OA 7443, *Trapezostigma* sp. is added to the Norfolk Is. odon. list.
- (10274) FERRERAS-ROMERO, M. & P.S. CORBET, 1995. Seasonal patterns of emergence in Odonata of a permanent stream in southwestern Europe. *Aquatic Insects* 17(2): 123-127. – (First Author: Depto Biol. Animal/Zool., Fac. Cien., Univ. Cordoba, Avda San Alberto Magno s/n, ES-14004 Cordoba). By regular, exhaustive exuvial collections throughout the emergence period, the seasonal emergence pattern was characterized for 5 spp. Although emergence started at different times from mid-April to late Aug., it was relatively well synchronised in all spp., despite *Onychogomphus uncatus* and *Cordulegaster boltonii* being "spring" spp., and *Calopteryx haemorrhoidalis*, *Aeshna cyanea* and *Boyeria irene* being "summer" spp. in the study habitat (Andalusia). Values for sex ratio at emergence are given.
- (10275) [FLINT, O.S.], 1995. Retirement. – Dr Oliver S. Flint, Jr. *Neuropt. Newsl.* 5: 4. – (Dept Ent., MS-105, Natn. Mus. Nat. Hist., Washington, DC 20540, USA). Retired Dec. 1994, but still available at the above address.
- (10276) GAVASSO, S., 1995. Anti-predator behavior in tadpoles of the bisexual hybrid system of *Rana lessonae*, *R. esculenta* and *R. ridibunda*. *MittBl. ethol. Ges.* 34: 41. [Germ. abstract only]. – (Author's current address unknown; – Contact Dr R.A. Semlitsch or Prof. Dr H.-U. Reyer, at Zool. Mus., Univ. Zürich,

Winterthurerstr. 190, CH-8057 Zürich).

This is a brief abstract of a 1992 PhD work, Dept Zool., Univ. Zürich, Switzerland. – Laboratory experiments were conducted with the objective to examine the role of genetic factors vs the individual experience in the predator avoidance behaviour. – (1) Tadpoles of the 3 spp. were kept either with pikes or with odon. larvae. Compared with the controls, during the daylight their activities dropped significantly in the odon. tank, and ceased completely in the fish container. This indicates, tadpoles are able to assess the risks. – (2) When all 3 spp. were put in the container with the same predator, the activities dropped in different spp. to a different degree, indicating a genotypically conditioned, species-specific reaction. – (3) Tadpoles that were previously kept with fish spent a significantly longer time in plant shelter when re-exposed to fish than those that were previously kept with odon. larvae. It seems, therefore, tadpoles do not respond solely to the actual risk; their behaviour is conditioned also by the earlier experience.

- (10277) GEISTER, I., 1995. *Naravna znamenitost Bobovek*. – [*The clay pits of Bobovek*]. Zavod za varstvo naravnih in kulturnih dediščin, Kranj. 20 pp. – ISBN 961-90198-0-6. (Slovene). – (Pokopališka pot 13, SLO-64202 Naklo).

A small "monograph" on 3 man-made "lakes", as dealt with in OA 8552. *Anaciaeschna isosceles* and *Sympetrum fonscolombii* are among the noteworthy odon. spp.

- (10278) HAHN, D. & G. LAKMANN, 1995. *Libellen an dem Truppenübungsplatz Senne / Dragonflies and damselflies in the Sennelager Training Area. In: Truppenübungsplatz Senne: Militär und Naturschutz / Sennelager Training Centre: Military and conservation*, pp. 151-159, Regierungspräsident Detmold, Oberfinanzdirektion Münster & Britische Rheinarmee, Detmold. (Bilingual: Germ./Engl.). – (Copies available from: Regierungspräsident Detmold, Postfach, D-32754 Detmold).

A concise and thorough report on the 1987-1990 exploration of the odon. fauna (36 spp.) of this British Army Training Area in Northrhine-Westphalia, Germany. The paper is directed at the general reader. In addition to the taxonomic nomenclature, Germ. & Engl. vernacular names are also given for all spp.

- (10279) HEEFFER, J. & M. SWINKELS-VERPRAET,

1995. *Libellen inventarisatie 1994. Oisterwijkse vennen en Kampina*. – [*Dragonfly inventarisatie 1994. Oisterwijkse vennen en Kampina*]. Privately published by the Authors. 27 pp. (Dutch). – (Second Author: Beukendreef 5, NL-5056 CA Berkel-Enschot).

Annotations on the occurrence and phenology of 32 spp. in various wetland localities in the Oisterwijk area, the Netherlands. The record of *Gomphus vulgatissimus* is of considerable regional interest. – Cf. also OA 10327.

- (10280) HEITZ, S., 1995. Naturkunde-Seminar Libellenexuvien vom 25. bis 28. Mai 1995 in Ichenheim/Neuried. *Lupe* 1995(3): 32-33. – (Mühlenstr. 19, D-78224 Singen).

An announcement and a detailed program of an exuviae workshop. – Cf. also OA 8711.

- (10281) HUBBARD, M.D., M.L. PESCADOR, A.K. RASMUSSEN, I.S. ASKEVOLD, J. JONES, R.W. FLOWERS & J.H. EPLER, 1995. The freshwater macroinvertebrates of Florida: a guide to references for their identification. *Fla Ent.* 78(1): 161-177. (With Span.s.). – (Dept Ent., Center Water Quality, Florida A & M Univ., Tallahassee, FL 32307, USA).

Contains 10 odonatol. titles, with indicative annotations.

- (10282) INOUE, K., 1995. [Dragonflies of Shinoda-yama]. *Shiribukagashi News* 48: 2-4. (Jap.). – (5-9, Fuminosato 4-chome, Abenoku, Osaka, 545, JA).

The Shinoda-yama forests are an exceptional case of a well conserved nature, at a distance of hardly 15 km S of Osaka, Japan. 39 spp. were recorded there, incl. *Nannophya pygmaea* and *Sympetrum striolatum imitoides*. Some general principles of dragonfly and nature conservation are briefly elaborated on.

- (10283) JÖDICKE, R., 1995. Frühjahrsaspekte der Odonatenfauna in Marokko südlich des Hohen Atlas. *Opusc. zool. flumin.* 134: 1-10. (With Engl.s.). – (Grossenging 14, D-49699 Lindern).

16 spp. are recorded (Apr. 19 - May 7, 1995), of which *Pantala flavescens* (Fabr.) is for the first time reported from Morocco. Female colour forms of *Coenagrion c. caeruleum* (B. de Fonsc.) and *I. elegans saharensis* Aguesse are described and discussed. In accordance with the ICZN provisions, the "incorrect original spelling" of the species-group name (*Ischnura*) *fountaini* Morton, 1905 is corrected into (*I.*) *foun-*

taineae Morton.

- (10284) JÖDICKE, R. & T. MITAMURA, 1995. Contribution towards an annotated bibliography on hibernation in *Sympecma Burmeister* (Odonata: Lestidae). *Opusc. zool. flumin.* 133: 1-9. – (First Author: Grossenging 14, D-49699 Lindern; – Second Author: 7-4 Sekiai, Koori-machi, Date-gun, Fukushima pref., 969-16, JA).
European and Japanese records on lethargic individuals during mid-winter, on behaviour in cages, habitat selection and on behaviour during initial and terminal phases of hibernation are analysed. Several Japanese records reveal a cryptic hibernation in *S. paedisca* (Br.). Aggregations of hibernating individuals at favourable sites are not uncommon. In Europe, where *S. paedisca* and *S. fusca* (Vander L.) occur, there is some controversy as to the cryptic or free-sitting mode of hibernation in the 2 spp. The majority of observations refer to their habit of creeping into protecting substrate. There is a single reliable record of a free-sitting *paedisca* in mid-winter. Habitat requirements of hibernating individuals are discussed. In subtropical NW Africa, reproduction takes place early during the rainy season, in December. The subsequent emergence in April/May indicates the ability of hibernation in the egg or larval stage as well as in the adult stage.
- (10285) *JOURNAL OF THE BRITISH DRAGONFLY SOCIETY*, Vol. 11, No. 1 (Apr. 1995). – (c/o Dr W.H. Wain, Haywain, Hollywater Rd, Borden, Hants GU35 OAD, UK).
Beynon, T.G.: *Leucorrhinia dubia* (Vander Linden) at Shooters Pool, Chartley Moss, Staffordshire, in 1994 (pp. 1-9); – *Jenkins, D.K.*: A population study of *Coenagrion mercuriale* (Charpentier) in the New Forest. 6. Mark/recapture programme (pp. 10-14); – *Smith, E.M.*: *Anax imperator* Leach in Edinburgh (pp. 14-16); – *Pickess, B.P.*: Management of RSPB Nature Reserves and their benefit to dragonflies (pp. 16-19); – *Holmes, J.D.*: Notes on *Libellula fulva* Müller on the river Avon near Bristol (p. 20); – *Seidenbusch, R.*: Dichromism in females of *Ischnura pumilio* (Charpentier), with special reference to homeochromic females (pp. 21-22); – *Paine, A.*: Notes and observations (pp. 22-24).
- (10286) KARUBE, H., 1995. A unique new species of the genus *Chlorogomphus* (Odonata, Cordulegastriidae) from South China. *Jap. J. syst. Ent.* 1(1): 47-49. – (Kanagawa Prefect. Mus. Nat. Hist., 499 Iriuda, Odawara, Kanagawa, 250, JA).
C. kitawakii sp.n. is described and illustrated from a single ♂ (holotype: Mt Tiantang Ling, Jinxiu pref., Guanxi, S China, alt. 700 m, 12-IX-1992; deposited at Lake Biwa Mus. Project Office, Shiga, JA). The new sp. does not appear allied to any of the known congeners.
- (10287) KEIM, C. & C. MEIER, [Eds], 1995. 7. Symposium der schweizerischen LibellenkundlerInnen – 7e Symposium des odonatologues de Suisse, Bern, 19.11.1994. *Nouvelles Cent. suisse Cartogr. Faune* 9: 29-32. – (Second Author: Postfach 252, CH-8636 Goldingen).
Contains the following abstracts of papers presented at the Symposium: *Hoess, R., G. Bieri, O. Leuthard, T. Schwaller & W. Jakob*: Libelleninventar des Kantons Bern (p. 29); – *Weidmann, P.*: Die Libellenfauna zweier Naturschutzgebiete im Churer Rheintal und im Domleschg, Kt. Graubünden (p. 29); – *Kohl, S.*: Massenentwicklung von *Gomphus vulgatissimus* an der Glatt, Kt. Zürich (p. 30); – *Röhn, C.*: Ökologie und Gefährdung von *Lestes dryas* in Südwestdeutschland (p. 30); – *Keim, C.*: Le Leste enfant (*Sympecma paedisca*) en Valais (p. 30); – *Hertzog, M.*: Ökologische Ausgleichsflächen entlang der Nationalstrasse N7 im Kt. Thurgau: neue Libellenbiotope (p. 30); – *Schweizer, P.*: Odonates de la région de Brigue, Canton du Valais (p. 30); – *Buchwald, R.*: Libellen als Bioindikatoren in Grundwasserbächen Mitteleuropas (p. 31); – *Wildermuth, H.*: Seitenblick auf die tropische Libellenwelt: zum Fortpflanzungsverhalten zweier brasilianischer Segellibellen (Libellulidae) (p. 31); – *Schmidt, B.*: Lebensräume, Ökologie und Habitatwahl von *Nehalennia speciosa* im Alpenvorland (p. 31); – *Osterwalder, R.*: Exviefunde von Libellen an den Flüssen Lorze, Reuss, Aare und Rhein 1993/94 (p. 31); – *Vonwil, G. & P. Vonwil*: Möglichkeiten und Grenzen verschiedener Beobachtungsmethoden zur Erfassung von Flusslibellen (p. 32).
- (10288) KIAUTA, B., 1995. Ten geleide. – [Preface]. In: M. Wasscher et al., *Verspreidingsgegevens van de Nederlandse libellen*, p. 1, European Invertebrate Survey – Nederland, Leiden. (Dutch). – (SIO Central Office. P.O. Box 256, NL-3720 AG Bilthoven). A brief history of the odon. mapping endeavour in the Netherlands, and an assessment of the importance of the current (second) atlas publication. – (The first distribution atlas was included in the work listed in

OA 4101).

- (10289) *KIMMINSIA*. Newsletter of the U.K. National Office of the International Odonatological Society (SIO), Vol. 6, No. 1 (May 1995). – (c/o Mrs Jill Silsby, 1 Haydn Ave., Purley, Surrey, CR8 4AG, UK). Signed articles: *Graves, T.*: Dragonfly watching in East Africa (pp. 3-4); – *Davies, A.*: Flying dragons in China (1991) (pp. 4-6); – *Silsby, J.*: Adventures in Thailand (pp. 6-7). – In addition, ca 12 members contributed to the traditional news sections.
- (10290) KITT, M., 1995. Zur Verbreitung von Fließgewässerlibellen (Insecta: Odonata) im südpfälzischen Raum. *Fauna Flora Rheinland-Pfalz* 7(4): 897-918. (With Engl. & Fr.s's). – (Raiffeisenstr. 39, D-76872 Minfeld).
A commented survey of distribution and habitat preference of 8 rheophilic spp. in southern Palatinate, Germany.
- (10291) KITT, M. & J.E. WOLF, 1995. Der Zweifleck – *Epithea bimaculata* (Charpentier, 1825) in der südpfälzischen Rheinniederung. *Fauna Flora Rheinland-Pfalz* 7(4): 1077-1079. – (Second Author: Inst. Umweltstud., Altes Rathaus, D-76779 Scheibenhart).
The sp. is recorded from several localities on the Altrhein, nr Neuburg and Hagenbach (Germersheim distr.). The habitats (eutrophic/hypertrophic oxbows) are briefly described. These are the first post-1946 records from the Rhineland-Palatinate lowlands, Germany.
- (10292) KOMNICK, H. & D. WACHTMANN, 1995. Intestinal absorption of radioactive long-chain saturated fatty acids by the larval dragon-fly *Aeshna cyanea* and co-absorptive effects of other stable fatty acids. *Comp. Biochem. Physiol. (B)* 110(1): 65-74. – Inst. Cell Biol., Univ. Bonn, Ulrich-Haberland Str. 61a, D-53121 Bonn).
In contrast with unsaturated fatty acids, ingestions of long-chain saturated fatty acids failed to induce an accumulation of lipid droplets in the intestinal absorptive cells, so that it remained questionable whether they were absorbed or not. Therefore the question was investigated with the use of radioactive tracers, which were orally infused at low and at high doses, prepared by the addition of other stable fatty acids. It was found that carboxyl-¹⁴C labelled long-chain stearic and palmitic acids, as well as the medium-chain lauric acid studied for comparison, were indeed absorbed from low doses of 7 nmol. They were incorporated predominantly into the phospholipids of the midgut wall and released into the haemolymph mainly as diacylglycerols. A substantial part was also transported as cholesterylester. The increase in total fatty acids of the infusates by the addition of 1.8 µmol stable oleic, arachidonic, myristoleic acids and lauric acid ethylester, which at high doses induce the formation of triacylglycerol droplets within the midgut enterocytes, markedly reduced the absorption rates of the radioactive saturated fatty acids and greatly favoured their incorporation into di- and triacylglycerols on the expense of the phospholipids and, at a minor part, on the expense of cholesterylester. By contrast, the addition of 1.8 µmol stable caproic acid yielded little, if any, effect on the absorption pattern of the radioactive palmitic acid. The results suggest that the co-absorption of medium- and long-chain saturated and unsaturated fatty acids is interdependent utilizing the same or similar uptake mechanisms and dose-dependent esterification pathways, while it is largely independent of and probably different from the absorption of short-chain fatty acids.
- (10293) KORTOVIČ, V., 1995. [Exlibris Tom van Koolwijk]. *Obvest. Dr. Exlibris Slov.* 124: 3. – (c/o Prof. Dr R. Pavlovec, Trubarjeva 14, SLO-61000 Ljubljana).
Reproduction of a dragonfly bookplate; Vladimir Kortovič, Moscow, 1991.
- (10294) KURSTJENS, G. & M. DE VELD, 1995. Waarnemen van de beekrombout langs de Maas. Een kwestie van adulte dispersie of larvale drift? – The return of the Club-tailed dragonfly along the river Meuse in the Netherlands. Adult dispersion or larval drift? *Natuurh. Maandbl.* 84(4): 85-89. (Dutch, with Engl.s.). – (First Author: Postbus 3575, NL-6017 ZH Thorn).
Gomphus vulgatissimus has not been sighted in the Meuse R. valley since 1953. In 1994, however, its occurrence was reported from 4 localities (Limburg prov.). The possibility of a larval drift from the existing Belgian population is tentatively discussed. It could be triggered by the substantial floods in 1993.
- (10295) KURSTJENS, G., F. SCHEPERS & B. BIJ DE VAATE, 1995. Ontwikkeling van flora en fauna in het zuidelijk Maasdal: jaaroverzicht 1994. – Devel-

opment of flora and fauna in the southern Meuse valley: review of 1994. *Natuurh. Maandbl.* 84(6/7): 135-166. (Dutch, with Engl.s.). – (First Author: Stichting Ark, Postbus 3575, NL-6017 ZH Thorn). The exceptionally large Meuse R. floods (the Netherlands), in Dec. 1993, triggered interesting effects in many spp. A list is given of 24 odon. spp. *Gomphus vulgatissimus* has not been recorded in the area since 1953. In 1994, however, numerous individuals were seen at various localities. Their sudden appearance is ascribed to the larval drift from Belgium and/or France. The status of various other rheophilic spp. is discussed.

- (10296) *LA LETTRE DES SOCIETAIRES* [of the] Société Française d'Odonatologie, No. 5 (Apr. 28, 1995). – (c/o J.-L. Dommanget, 7 rue Lamartine, F-78390 Bois-d'Arçay). Contains agenda of the 1995 SFO Annual Meeting (Apr. 22), program of the Second Symp. of French Odonatologists (Oulches, Indre, June 16-19, 1995), and various minor announcements. Applications for the 1996 collection permits are to reach the Ed. by mid Dec. 1995.
- (10297) *LIBELLENNIEUWSBRIEF*, Hilversum, Vol. 3, No. 3 (May, 1995). (Dutch). – (c/o V. Kalkman, Van Hogendorpstraat 11, NL-1215 EG Hilversum). In addition to a few general notes, the issue contains a report, by R. Ketelaar (pp. 4-5), on the 1995 annual meeting of the association of the Netherlands Dragonfly Workers (NLO), incl. the celebration of the 25th anniversary of the organisation.
- (10298) LIEFTINCK, M.[A.], 1995. *Anax imperator* Leach. *Amoeba, Arnhem* 69(2): 53-54. (Dutch). – (Author deceased). In celebration of the 75th anniversary of the Netherlands Youth Federation of Nature Friends (NJV), this is a reprint of the first part of the article, published originally (1922) in the Federation's periodical, *Amoeba* 1(2): 10-14; (3): 22-23. The great Dutch odonatologist, Dr Maurits Anne LIEFTINCK (18 Feb. 1904-12 April 1985), was its first Editor. – (Cf. *Odonatologica* 13(1): 1-50; 1984).
- (10299) *MARTINIA. Bulletin des odonatologues de France*, Vol. 11, No. 1 (March 1995), Suppl. 1 (June 1995), No. 2 (June 1995). – (c/o J.-L. Dommanget, 7 rue Lamartine, F-78390 Bois-d'Arçay). With the present volume, the make-up of the journal has been greatly improved. The cover design includes a large col. photograph, and all larger papers have an Engl. abstract. Contents table is given in Fr. and in Engl. – **C o n t e n t s**: [No. 1]: *Grand, D.*: Premières rencontres avec *Aeshna caerulea* (Ström, 1783) dans les Alpes françaises (Odonata, Anisoptera, Aeshnidae) (pp. 3-6); – *Goyaud, C.*: A propos de la nervation alaire de *Trithemis annulata* (Palisot de Beauvois, 1805) (Odonata, Anisoptera, Libellulidae) (pp. 7-9); – *Vignerot, P.*: *Lestes barbarus* (Fabricius, 1798) dans la montagne de Reims, département de la Marne (Odonata, Zygoptera, Lestidae) (pp. 10-12); – *Desbordes, F.*: Observation de l'émergence d'*Aeshna cyanea* (Müller, 1764) en altitude (Odonata, Anisoptera, Aeshnidae) (p. 12); – *Papazian, M.*: Inventaire des odonates du Bassin de Réalort (département des Bouches-du-Rhône) (pp. 13-17); – *Dommanget, J.-L.*: Rubrique bibliographique (pp. 17-22); – *Mushaal, M.*: Analyse d'ouvrage (pp. 22-24). – [Suppl. 1]: Index 1985-1994 (pp. 1-24). – [No. 2]: *Vignerot, P.*: Notes sur *Aeshna juncea* (L., 1758) dans le massif de l'Ossau, département des Pyrénées-Atlantiques (Odonata, Anisoptera, Aeshnidae) (pp. 27-34); – *Oertli, B.*: Odonates de la vallée de la Saône (pp. 35-42); – *Coppa, G.*: Odonates des marais de Germont, département des Ardennes (pp. 43-48).
- (10300) MUZON, J., 1995. Acerca de la identidad de *Acanthagrion ascendens* Calvert y *A. luteum* Racenis (Odonata: Coenagrionidae). *Revta Soc. ent. argent.* 54(1/4): 51-57. (With Engl.s.). – (Inst. Limnol., CC 712, AR-1900 La Plata). Mainly based upon the penile ultrastructure and colour patterns, the status of the 2 spp. is discussed. The earlier records are considered, and the biogeographic distribution is analyzed.
- (10301) MUZON, J., 1995. Los Odonata de la Patagonia argentina. *Revta Soc. ent. argent.* 54(1/4): 1-14. (With Engl.s.). – (Inst. Limnol., CC 712, AR-1900 La Plata). An updated checklist is given of the 27 spp. hitherto known from Patagonia, Argentina, and annotations on their biology and distribution are provided. *Antiagrion grinbergi*, *Phenes raptor*, *Gomphomacromia etcheverryi* and *Neopetalia punctata* are for the first time listed from Argentina. For 5 spp. new Patagonian records are stated, and the biogeographic composition of the Patagonian odon. fauna is analyzed.

- (10302) *NEWSLETTER [OF THE] BRITISH DRAGONFLY SOCIETY*, No. 27 (Spring 1995). – (c/o Mrs J. Silsby, 1 Haydn Ave., Purley, Surrey, CR8 4AG, UK). The new BDS Secretary is Dr W.H. Wain (Hollywater Rd, Borden Hants, GU35 0AD, UK), but Mrs Silsby remains taking care of the Newsletter and the BDS “shop”. – The 16 pp. contain numerous announcements, reports, the 1993/1994 Balance Account, and the 1995 BDS Dragonfly Photographic Competition Entry Form. – Highly interesting is the list of “First & last dates, 1994” by A. Paine (p. 7, *Aeshna grandis* in W. Midlands, on 4 Dec.). – S. Cham (“Fatal emergence”, p. 7) reports on *Ceragrion tenellum* emergence directly onto the *Drosera intermedia* leaves. The exuviae, positioned almost at a leaf tip, had been unaffected, but the emerging adult became entrapped.
- (10303) NIELSEN, O.F., 1995. Danmarks guldsmede. – [Danish dragonflies]. *Natur og Museum* 34(2): 1-32. (Danish). – (Author: Søkildevvej 87, DK-8680 Ry; – Copies available from: Nat. Hist. Mus., Bygning 210, Universitetsparken, DK-8000 Århus C).
This is a very attractive introduction into the Danish dragonfly world, nicely presented and beautifully illustrated. The booklet contains a brief outline of the general morphology, biology, behaviour and ecology, lists all Danish spp. (51), with brief descriptions and statements on their habitats, length of larval development and adult phenology, and includes a “pictorial key” to the adult males. – After the classical (but more technical) work of P. Esben-Petersen (1910, *Danmarks Fauna* 8), this is the first general presentation of the Odonata of Denmark: concise, authoritative and certainly extremely useful.
- (10304) *NORDISK ODONATOLOGISK FORUM NYHETSREVY*, Vol. 1, No. 1 (March, 1995). Published by B.J. Løfall (Åslivn. 20B, N-1890 Rakkestad) & H. Olsvik (N-6598 Foldfjorden). (Norw. & Swed., with Engl.s.).
Charter meeting of the Nordic odonatological society, the “Nordisk Odonatologisk Forum”, took place during the First Symposium of Nordic Odonatologists, at Rakkestad, Norway, June 17-19, 1994. This was also the birthplace of the annual periodical, *Nyhetsbrev*, which is to serve as a communication vehicle among the professional and non-professional Nordic odonatologists. The first issue was supplied to 75 workers in Denmark, Finland, Norway and Sweden, and to some dragonfly students in 4 other European countries. All interested in membership/subscription are invited to get in touch with one of the Editors. – **C o n t e n t s**: Løfall, B.P.: From the first meeting of Nordic odonatologists (pp. 3-4, cover phot. excl.); – Løfall, B.P. & M. Pettersen: Odonata mapping in Østfold, Norway (p. 5); – Olsvik, H.: News from Norway 1994 (p. 6); – Åbro, A./Dolmen, D./Løfall, B.P./Olsvik, H./Pettersen, M.: A brief review of some of the current projects being worked on in Norway (p. 6); – Løfall, B.P.: Odonata mapping in Rakkestad, Østfold, Norway (p. 7); – Sahlén, G.: Welcome to Uppland, Sweden, in June 1995 (p. 8); announcement of the Second Symposium of Nordic Odonatologists); – Schmidt, E.G.: Announcement of the 13th Int. Symp. Odonatol., Essen, Germany, Aug. 20-25, 1995 (p. 8); – (Anonymous): Societas Internationalis Odonatologica (p. 8); – Olsvik, H.: Checklist of Nordic Odonata (p. 9); – Norwegian names for dragonflies (p. 10); – Distribution of Norwegian Odonata (pp. 11-12); – *Mailing list* (p. 13).
- (10305) *ODONATOLOGICAL MONOGRAPHS*. Published by Aqua & Terra – Medien für Landschaftsökologie und Naturschutz, Wolfenbüttel, Germany. – (c/o Dr G. Rehfeldt, Roseggerweg 41, D-38304 Wolfenbüttel).
The series commenced publication in April 1995. For the first volume cf. OA 10307.
- (10306) OERTLI, B., 1995. Impact de la création d'un biotope sur la conservation de la biodiversité: les macroinvertébrés de l'étang du Bois-Vieux (Genève). *Bull. romand Ent.* 13(1): 11-24. – (Lab. Ecol. & Biol. aquat., Univ. Genève, 18 chemin des Clochettes, CH-1206 Genève).
Lists 11 odon. spp.; Bois-Vieux marsh, Geneva, Switzerland.
- (10307) REHFELDT, G.E., 1995. *Natürliche Feinde, Parasiten und Fortpflanzung von Libellen*. Aqua & Terra, Wolfenbüttel. 173 pp. ISBN 3-9804366-0-8. [Odonatological Monographs, Vol. 1]. (With Engl.s.). – (Author & Publisher: Roseggerweg 41, D-38304 Wolfenbüttel).
A commercial ed. of the habilitation work, listed in OA 10305.
- (10308) REINHOUT, W., 1995. Pleidooi voor het niet vangen van insecten. – [A plea for the non-collecting of insects]. *Jaarb. ned. ent. Ver.* 1994-1995: 33.

(Dutch). – (Author's address not stated).
With reference to the odon., some arguments against the collecting of specimens are stated.

- (10309) RETTIG, K., 1995 Schlupfvorgänge der Blaugrünen Mosaikjungfer (*Aeshna cyanea*) im Zeitraum 1983-1994 in Gartenteichen unseres Hausgartens in Emden. *Beitr. Vögel-Insektenwelt Ostfrieslands* 80: 14. – (Danziger Str. 11, D-26725 Emden).
In Author's garden ponds at Emden, Ostfriesland, Germany, 229 *Aeshna cyanea* emergences were recorded during 1983-1994. The earliest seasonal record was evidenced on 16-VI-1986, the latest on 29-VIII-1990.
- (10310) RÖSKE, W., 1995. Die Helm-Azurjungfer (*Coenagrion mercuriale*, Odonata) in Baden-Württemberg: aktuelle Bestandssituation und erste Erfahrungen mit dem Artenhilfsprogramm. *Z. Ökol. Nat-Schutz* 4: 29-37. (With Engl.s.). – (IFO, Lehener Str. 38a, D-79106 Freiburg/Br.).
The first results of the *C. mercuriale* conservation program in Baden-Württemberg, S. Germany, are assessed. The protective maintenance of selected grassland brooks and ditches has stopped the earlier decline of the sp.
- (10311) SAHLÉN, G., 1995. Eggshell ultrastructure in *Onychogomphus forcipatus unguiculatus* (Vander Linden) (Odonata: Gomphidae). *J. Insect Morphol. Embryol.* 24(3): 281-286. – (Sect. Ent., Dept Zool., Univ. Uppsala, Villavägen 9, S-752 36 Uppsala).
The eggshell ultrastructure of this exophytic riverine sp. is presented using transmission electron microscopy. A homogeneous vitelline envelope is surrounded by a thick, many-layered endochorion and a relatively thick, homogeneous exochorion. The micropylar projection is covered by a jelly-layer. The structure of the shell is intermediate between known endophytic and exophytic eggshells in the order. A possible evolution of jelly-covered exophytic eggs from endophytic riverine ancestors is discussed.
- (10312) SAHLÉN, G., 1995. *The insect eggshell: ultrastructure, organisation and adaptive traits in Odonata and Diptera*. PhD Univ. Uppsala. 138 pp. ISBN 91-554-3498-3 [Acta Univ. uppsaliensis, Vol. 111]. – (Author: Sect. Ent., Dept Zool., Uppsala Univ., Villavägen 9, S-752 36 Uppsala).
The eggshell ultrastructure in the odon. and in the mosquitoes is presented. Transmission and SEM are used to describe the 3 eggshell layers. – In odon., eggshell nomenclature is revised for both the endo- and the exophytic egg-type. An extensive variability in eggshell architecture, particularly in the endo- and the exochorion occurs. Not even the obligatory deposition of endophytic eggs inside living or decaying plant tissue seems to restrict ultrastructural variation. Adaptation in order to compete with the chemical defence of different host plants is suggested to be a driving force. A gradual transition from endophytic to exophytic organisation appears to have taken place. – The eggshells of the 2 insect orders are compared with those known from other groups, and a Bauplan hypothesis, based on my nomenclature revision, to be used in future comparative ultrastructural studies is formulated. The three eggshell layers are proposed to be Bauplan features in at least part of the Entognatha and the entire Ectognatha Hexapoda. All architectural solutions in eggshells are built upon variations and combinations of derivatives from these three layers. The hypothesis aims at analysing the specificity of the architectural traits present in eggshells vs habitat diversification, and at disussing the application of a combination of morphological and ecological explanations to insect eggshell evolution. In this context adaptive and lineage-specific traits are identified as a basis for evolutionary studies.
- (10313) SCHMIDT, B., 1995. *Schlafplätze und Übernachtsverhalten der Sumpf-Heidelibelle*. Poster Jtag. Schutzgem. Libellen Baden-Württemberg, Tübingen, 2 pp. – (Kohlenbacher Talstr. 18, D-79183 Waldkirch).
In SW Germany, the *Sympetrum depressiusculum* dormitories are selected preferably in the wood-adjacent Mesobrometum vegetation. In the Lake Constance area, these are shared by *Sympecma fusca*, *S. paedisca* and *Crocothemis erythraea*. The individuals situated up to about 20 cm from the ground, often fall victim to *Arion intermedius* (Gastropoda). Males become active ca 30-60 min prior to sunrise. The behaviour, as taking place at various hours of the day and at different environmental temperatures, is described.
- (10314) SCHNEIDER, W., 1995. Die Verbreitung von *Pseudagrion syriacum* Selys, 1887 und Erstnachweis der Art für die Türkei (Odonata: Zygoptera: Coenagrionidae). *Ent. Z., Essen* 105(9): 161-166. (With Engl.s.). – (Zool. Abt., Hessisches Landesmus., Friedensplatz 1, D-64283 Darmstadt).

The known distribution of *P. syriacum* is mapped, the sp. is for the first time recorded from Turkey, and some of its structural features are illustrated.

- (10315) SPURIS, Z., 1995. [Literaturaspakts]. Charles A. Bridges, 1993, Catalogue [...]. *Latv. Ent. Arhivs* 1: 38-40. (Latvian). – (Miera iela 19-6, LV-2169 Salaspils).
A comprehensive, critical review of the work listed in OA 8988.
- (10316) SPURIS, Z., 1995. Par kukainu izplates kartēšanu. – On the mapping of the insect distribution. *Latv. Ent. Arhivs* 1: 3-4. (Latvian, with Engl. title). – (Miera iela 19-6, LV-2169 Salaspils).
General, with a brief reference to the works listed in OA 6135 and 9564.
- (10317) STETTNER, C., 1995. Ausbreitungsverhalten und Habitatansprüche von Fließgewässerlibellen. Existiert zwischen Fließgewässer-Systemen ein Biotopverbund? *NatSchutz Landschaftsplanung* 27(2): 52-60. – (Bayer. Akad. NatSchutz & Landschaftspf., Seethalerstr. 6, D-83410 Laufen/Salzach).
Largely based on the work listed in OA 8665, but with emphasis on *Calopteryx splendens* and *C. virgo*.
- (10318) SULZBACH-ROSENBERGER LIBELLEN-RUNDBRIEFE, No. 1 (May 5, 1995). – Edited & produced by R. Seidenbusch (Klenze Str. 5, D-92237 Sulzbach-Rosenberg). Irregular. Price per issue: DEM 8.- net. ISSN none. (Engl. & Germ.).
The journal is designed as a vehicle for publication of original research papers related to the “exploration of west-palaearctic Odon.” and “critical and unusual abstracts, dealing with [any field of] odonatology”. Emphasis is on the “relevance of contents” rather than on “stylistic and linguistic formalities”. The journal is copyrighted; the first issue was published in 300 copies. It contains 5 papers, all by R. Seidenbusch, viz. – Comparison of the last instar larvae of *Urothemis edwardsi* Selys, 1849 and *Selysiothemis nigra* Vander Linden, 1825 (Anisoptera: Libellulidae) (pp. 1-3); – Description of the last instar larva of *Sonjagaster insignis* Schneider, 1845 (Odonata: Cordulegasteridae) (pp. 4-6); – Descriptions of the last instar larvae of *Orthetrum taeniolum* Schneider, 1945 and *Orthetrum sabina* Drury, 1770 (Anisoptera: Libellulidae) (pp. 7-9); – Diskrimination der Exuviae bei *Onychogomphus forcipatus* Linnaeus, 1758 und seinen Subspecies *O. f. unguiculatus* Vander Linden, 1823 und *O. f. albotibialis* Schmidt, 1954 (pp. 10-11); – Description of the last instar larva of *Diplacodes lefebvrei* Rambur, 1842 (Anisoptera: Libellulidae) (pp. 13-14).
- (10319) SYMNET. The newsletter of Aka-tombo Network, Ishikawa, No. 3 (Feb. 28, 1995). (Jap. & Engl. editions). – (c/o N. Ishizawa, 1644-15, Yamaguchi, Tokorozawa, Saitama, 359, JA).
Ueda, T.: *Sympetrum frequens* Selys: run after seasons of Akatombo (p. 1; collection of annotated haiku); – (Anonymous): Housewife's songs saved a life: 'Aka-tombo' in the darkness (p. 2); – *U[eda], T.*: The CD which includes Schumann's Akatombo (p. 2; Schumann, "Piano concerto in A. Minor op. 54, Naxos); – *Sonehara, I.*: Weeding thoughtlessly (p. 3); – *Takeito, A.*: *Sympetrum frequens* in the Hukuriku Plain (p. 3); – *Saito, Y.*: *Sympetrum infuscatum* increasing (p. 3); – *Hatto, Y.*: Six methods of dragonfly catching (p. 4); – *Nagasaki, T.*: *Sympetrum frequens* in school pools near Osaka Airport (pp. 4-5); – *Ishizawa, N.*: Newspaper articles about Aka-tombo (p. 5; 1981-1991); – *Naraoka, H.*: Fluctuation of *Sympetrum frequens* in the lowlands in Aomori (p. 6); – *Yagi, T.*: On the long distance migration of *Sympetrum frequens* in early summer (p. 7); – *Tone, S.*: Observations on the ocean flight of *Sympetrum frequens*, p. 2 (p. 8); – Red type of *Sympetrum kunkeli* Selys captured (p. 9); – *Ueda, T.*: Vertical distribution and migration of *Sympetrum frequens* Selys in Hokkaido (pp. 9-10); – Editor's Postscript (p. 10).
- (10320) SYMPETRUM, GRENOBLE. *Revue d'odonatologie*, No. 8 (1995). – (c/o M. Funkiewicz, G.R. P.L.S., 97 rue St Laurent, F-38000 Grenoble).
Deliry, C.: Ou comment nos observateurs dépassent le maître (p. 3); – *Zannoni, C.*: La vieille dame et la libellule (pp. 5-8); – *Juliand, C., P. Juliand & A. Ladet*: Essai de synthèse des observations d'*Hemianax ephippiger* (Burmeister, 1839) (Odonata, Anisoptera, Aeshnidae) de 1989 à 1994 (pp. 9-16); – *Grand, D.*: Fragments odonologiques (pp. 17-23); – *Blanc, J.M.*: Marquages de *Cordulegaster boltonii* (Donovan) (Anisoptères: Cordulegasteridae) sur la Benigousse (Cravans-17) (pp. 25-30); – *Grand, D.*: A propos d'un cas de cannibalisme intragénérique chez *Cordulegaster* (Odonata, Cordulegasteridae) (pp. 31-33); – *Pont, B. & J.F. Fruget*: Inventaire des odonates du lit majeur du Rhône au niveau de la réserve naturelle de l'île de la platière (pp. 35-48).

- (10321) TANI, K., 1995. [*Observations of aquatic insects. Towards a safe and clean water*]. Tombo Shuppan, Osaka. ii+202 pp. – ISBN 4-88716-090-9. (Jap.). – (Publishers: 8-16, Karahori-cho, Tennoji-ku, Osaka, 543, JA; – Author: Jizo-cho 129, Nara, 630, JA).
The book is directed at young, entomologically motivated people. It describes the equipment, the techniques of field work, the principles of water quality assessment (based on insect inventories), and gives a pictorial key for identification of the more common (Jap.) taxa. Odon. larvae are dealt with on pp. 67-89.
- (10322) TANIMOTO, M., 1995. *Shimanto Tombo Shizenkan: 10th anniversary festival events*. 1 p. Shimanto Tombo Shizenkan, Nakamura. – (Publisher & Author: 8055-5 Gudoh, Nakamura, Kochi 787, JA). This is a circular, distributed to the non-Japanese members of the "Shimanto Tombo Shizenkan" society, which was set up in support of the "Dragonfly Kingdom" sanctuary and museum, Nakamura, Japan. It gives a brief agenda of the celebration of the 10th anniversary of the institution (cf. e.g. *OA* 7424, 9819), May 28, 1995. During about a week, there was an exhibit of photographs showing the history of "Dragonfly Kingdom", while the actual program included some "nature games" (incl. dragonfly catching), "Bamboo Dragonfly Contest", a panel discussion (7 panelists, incl. the Mayor of Nakamura & the Governor of Kochi), a lecture by Y. Kawazu, etc.
- (10323) UBUKATA, H., 1995. Insect fauna of Kushiro Marsh at Akanuma and On'nenai areas. *Sylvicola* 11: ii. – (Dept Sci. Educ., Kushiro Coll., Hokkaido Univ. Educ., Shiroyama 1-15-55, Kushiro, 085, JA). This is a comprehensive "abstract", but actually rather an informative Introduction to the journal issue, dealing with the insect fauna of the area. It includes references to the odon., incl. the endemic *Leucorrhinia intermedia* ijimai. – For further details see *OA* 10324.
- (10324) UBUKATA, H., M. NAKATANI & Y. HIRAMA, 1995. Odonata of Kushiro Marsh at Akanuma and On'nenai areas. *Sylvicola* 11: 39-56, col. figs 16-20 excl. + cover p. 4. (Jap., with Engl. title & taxonomic nomenclature). – (First Author: Dept Sci. Educ., Kushiro Coll., Hokkaido Univ. Educ., Shiroyama 1-15-55, Kushiro, 085, JA). The entire journal issue is devoted to the insect fauna of the Kushiro Marsh (for a cumulative Engl.s. cf. *OA* 10323). It was prepared by the Kushiro Insect Lovers' Soc., and edited by Prof. Dr H. Ubukata. – In the present paper, the odon. fauna (33 spp.) of the 2 areas is reviewed, an annotated list of spp. and a comprehensive regional bibliography are included. – For a monograph on the odon. fauna of the Kushiro Marsh, Hokkaido, Japan, cf. *OA* 9176.
- (10325) VALTONEN, P., 1995. Kahdestoista kansainvälinen odonatologian symposio Osakassa, Japanissa. – [The 12th International Symposium of Odonatology in Osaka, Japan]. *Diamina* 4: 12-13. (Finn.). – (Kaukolankuja 2, FIN-36200 Kangasala). A report, with the group phot. of the participants.
- (10326) VALTONEN, P., 1995. Litteähukankorenonn (Libellula depressa L.) uuseksiansio Suomessa. – Die Neuexpansion von Libellula depressa L. in Finnland. *Diamina* 4: 4-11. (Finn., with Germ.s.). – (Abridged Engl. version available from the Author: Kaukolankuja 2, FIN-36200 Kangasala). *L. depressa* appeared first in Finland in 1919. It kept expanding until the 1940s. The regression commenced in the 1950s, 30 yr whereafter it became almost extinct. During the 1990s a new expansion is taking place. A list of all known records, relative bibliography and the distribution maps for various periods are provided.
- (10327) VAN GRUNSVEN, R., 1995. Libellen van de Kampina. – [Dragonflies of the Kampina]. *Amoeba, Arnhem* 69(2): 73-74. (Dutch). – (Brederostraat 3, NL-5242 CK Rosmalen). 29 spp. are listed from an area between the cities of Boxtel and Tilburg, the Netherlands. Annotations are provided for 9 spp., incl. *Gomphus vulgatissimus*. – Cf. also *OA* 10279.
- (10328) VAN OMMERING, G., 1995. Rode lijsten en bescherming. – [Red Lists and conservation]. *Jaarb. ned. ent. Ver.* 1994-1995: 34-35. (Dutch). – (Author's address not stated). On behalf of the Netherlands Government, the publication of a national odon. Red List is announced for the 3rd quarter 1995. It is suggested, Red Lists should be revised at 5-10 yr intervals.
- (10329) VAN TOL, J. & Y. NORMA-RASHID, 1995. The genus *Euphaea* Rambur in Borneo (Odonata: Euphaeidae). *Tijdschr. Ent.* 138(1): 131-141. – (First Author: Natn. Mus. Nat. Hist., P.O. Box 9517, NL-2300 RA Leiden).

The Bornean spp. are critically reviewed, redescribed, illustrated and keyed, incl. *E. ameeka* sp.n. (holotype ♂: Brunei, 12-IX-1992, deposited at RMNH, Leiden; numerous paratypes of both sexes). *E. laidlwai* Kimmins is synonymised with *E. subcostalis* Sel. The known distribution of all regional spp. is mapped.

- (10330) VON DER DUNK, K., 1995. Kommentierte Insektenliste der Waldabteilung Hirschsprung im Nürnberger Reichswald. *Galathea* 11(1): 1-9. (With Engl.s.). – (Ringstr. 62, D-91334 Hemhofen).

Sympetma fusca, *Aeshna cyanea* and *A. mixta* are listed from a forest stand, NE Nuremberg, Bavaria, Germany. – Cf. also OA 8983.

- (10331) WASSCHER, M., R. KETELAAR, M. VAN DER WEIDE, A. STROO, V. KALKMAN, N. DINGEMANSE, H. INBERG & I. TIELEMAN, 1995. *Verspreidingsgegevens van de Nederlandse libellen*. – [Distribution data of the Netherlands dragonflies]. European Invertebrate Survey – Nederland, Leiden. 80 pp. (Dutch). – (Available at the Eds of *Odonatologica*, P.O. Box 256, NL-3720 AG Bilt-hoven, at NLG 20.- net).

This is a commercial ed. of the work listed in OA 10184. The book was published on 4 Apr. 1995, in celebration of the 25th anniversary of the foundation of the Netherlands dragonfly society, Nederlandse Libellenonderzoekers (NLO), which took place on 7 March 1970, upon the initiative of Drs D.C. Geijskes, B. Kiauta & M.A. Liefstinck. – The Preface for the book was contributed by B. Kiauta (cf. OA 10288), and in the introductory chapter the history of odonatological research in the Netherlands is briefly outlined. The rest of the contents is largely as described in OA 10184.

- (10332) WENDLER, A., A. MARTENS, L. MÜLLER & F. SUHLING, 1995. Die deutschen Namen der

europäischen Libellenarten (Insecta, Odonata). *Ent. Z., Essen* 105(6): 97-112. (With Engl.s.). – (First Author: II. Zool. Inst., Univ. Erlangen-Nürnberg, Staudtstr. 5, D-91058 Erlangen).

German vernacular names are given for 132 European spp. They are based on the 1953 nomenclature of H. Schiemenz. The new appellations are discussed in terms of systematic affiliation, biology and distribution of the taxa concerned. At the same time, this is a complete checklist of the European Odon.

- (10333) WILDERMUTH, H., 1995. *Systematik und Biologie der Libellen*. Zool. Inst., Univ. Zürich. 102 pp.+20 pp. (appendix). – (Author: Haltbergstr. 43, CH-8630 Rüti).

The text was prepared basically as a "textbook" for the students in the odon. programme of the Univ. of Zürich, Switzerland. For the time being, therefore, the circulation and availability are restricted. It is a balanced account of all aspects of odon. biology, partly compiled from the literature, partly based on Author's profound research experience; it is by no means a "reader" in the classical sense, and the text is completely styled by the Author. Where appropriate, emphasis is given to the Swiss fauna. Adult and larval identification keys (for Swiss taxa) are presented in the Appendix. The work is richly illustrated and the presentation of the topics is didactically excellent. A commercial publication is being considered.

- (10334) ZANOLIN, B., 1995. Studio ecologico sulle comunità di macroinvertebrati bentonici in stazioni fisse di quattro corsi d'acqua del Friuli-Venezia Giulia (Italia nord-orientale). *Gortania* 15: 135-222. (With Engl.s.). – (Via Giuliani 29, I-34137 Trieste).

Larval *Calopteryx* sp. is listed from the Ledra and Miliana rivers, Friuli, NE Italy.