

ODONATOLOGICAL ABSTRACTS

1974

- (14002) SWIRSKI, E., 1974. List of publications by members of the Division of Entomology (1922-1972). *Spec. Publs Volcani Center* 37: xii+176 pp. (Bilingual: Engl. & Hebrew). — (Publishers: Div. Ent., Inst. Plant Prot., Volcani Center, Bet Dagan, Israel). Under the 'Odonata' heading, 5 titles are listed, all authored by F.S. Bodenheimer, 1 of these jointly with E. Swirski.

1975

- (14003) MUSAIEV, M.A., A.G. KASYMOV & Yu.A. ABDURAHMANOV, [Eds], 1975. *Biologicheskie resursy vnutrennih vodoemov Azerbaydzhana*. — [Biological resources of the inner waterbodies of Azerbaidzhan]. Elm, Baku. 260 pp. ISBN none. (Russ.). [Odonatol. papers:] Kasyrov, A.G.: Biocenoses of the Middle Kura R., of the Alazana, Iora and Gyandzhanaya rivers, and of water courses of the Sheka-Belokansk area (pp. 42-71); — Kasyrov, A.G. & H.A. Eyvazova: Benthic fauna of the ponds in the Ust'-Kurinskoe and Ali-Bayramlinskoe fish-breeding grounds (pp. 72-100); — Sofiev, Z.P.: A contribution to the knowledge of the benthic fauna of the Adilaga and Bata-Bat lakes, Azerbaidzhan (pp. 116-122).

1980

- (14004) [MOORE, N.W.] [DUFFEY, E.J., 1980. Contemporary conservationists. 4. Norman Winfried Moore M.A., Ph.D., F.I.Biol. *Biol. Conserv.* 19: 3-5. — (c/o Prof. Dr N.W. Moore, Farm House, 117 Boxworth End, Swavesey, Cambridge, CB4 5RA, UK). A biography and appreciation of his work; with a

portrait. It was published anonymously by the Ed. of the journal. A reference is made to his odonatol. PhD research, but the title of the little-known dissertation is not stated [1954, *On the ecology and behaviour of adult dragonflies (Odonata, Anisoptera)*]. PhD thesis, Univ. Bristol/UK]. — For important (auto)biographic works by/on this great odon. conservationist, see OA 6039 and 8669.

- (14005) SCHWARZ, U., 1980. *Der Naturgarten: mehr Platz für einheimische Pflanzen und Tiere*. For the "Stiftung World Wildlife Fund Schweiz für die natürliche Umwelt", published by Ex Libris, Zürich. 96 pp. Hardcover (19.5×25.8 cm). ISBN none. By a professional biologist, with a long-standing experience on the subject, the book provides instructions for the construction of various types of aquatic habitats under Swiss conditions, with reference to several odon. spp.

1986

- (14006) ALEKSEEV, V.A., 1986. K izucheniyu vodnykh bespozvonochnykh zhivotnykh v Darvinskoy zapovednike (Zoobenthos). — [Contribution to the knowledge of aquatic invertebrates of the Darvinski Reserve (Zoobenthos)]. In: A.M. Amirhanov, [Ed.], *Fauna i ekologiya bespozvonochnykh zhivotnykh v zapovednikakh RSFSR*, pp. 123-135, Glavnoe upravlenie ohotnich'ego hoz'yaystva RSFSR, Moscow. (Russ.). — (Author's address not stated). 14 odon. spp. are listed along with locality data and the information on their abundance; — Russia.
- (14007) HARRIS, M., [1766] reprint 1986. *The Aurelian, or natural history of English insects; namely,*

moths and butterflies, together with the plants on which they feed. A faithful account of their respective changes, their usual haunts when in the winged state, and their standard names, as given and established by the worthy and ingenious Society of Aurelians. Newnes Country Life Books, Twickenham. 104 pp., frontispiece + 44 col. pls incl. Introduction and exhaustive annotations by R. Mays. Hardcover (23.5x30.5 cm), ISBN 0-600-333999-X. — (Publishers: Bridge House, 69 London Rd, Twickenham, Middlesex, UK).

The spelling is modern, but the title page and the pls are facsimile reprinted. Pl. 26 shows an anisopt. larva, the emergence of an anisopt., and the adult *Libellula depressa* ("Flat blue-tail'd Libella") and *L. fulva* (unnamed). Field notes on odon. biology and Author's experience with dragonflies appear on p. 68. — The editorial "Introduction", by R. Mays, is actually an exhaustive essay on British entomology in the middle of the 18th century, on Moses Harris's work (incl. the earlier edns of this book), etc. Also valuable are the editorial comments on *L. fulva* in the London area, the identity of which confused his contemporaries.

- (14008) MONSERRAT, V.J., 1986. Longinos Navas, his neuropterological work and collection. In: J. Gepp. H. Aspöck & H. Hölzel, [Eds], *Recent research in neuropterology*, pp. 173-176, J. Gepp. Graz. ISBN none: — (Depto Biol. Anim. I (Zool.), Fac. Biol., Univ. Complutense Madrid, ES-28040 Madrid).

A concise biography, and a detailed description of the destiny of his collections, the remnants of which are deposited in Museo de Zoología, Barcelona (Curator: Dr O. Escolá, Mus. Zool., A.C. 593, ES-08003 Barcelona). Navas published ca 620 papers on entomology, incl. many on Odon., but the information presented therein is often inadequate. He was submitting his publications also under at least 7 different pseudonyms, which is another reason his complete bibliography can hardly be ever compiled. — See also OA 7347.

- (14009) WILSON, E.C., 1986. Type specimens of fossil Invertebrata in the Natural History Museum of Los Angeles county: Supplement Two. *Techn Rep. nat. Hist. Mus. Los Angeles* 1: iv+150 pp. — (Nat. Hist. Mus. Los Angeles Co., 900 Exposition Blvd, Los Angeles, CA 90007, USA).

Lists material worked out by R. Squires (OA 2734 and [not available for abstracting] 1982, Dragonfly nymphs from the Peace Valley Formation, Ridge Basin, California, in: J.C. Crowell & M.H. Link, [Eds],

Geologic history of the Ridge Basin, southern California, pp. 237-238, Soc. Econ. Paleontologists & Mineralogists, Pacific Sect.).

1992

- (14010) OLIVEIRA DA SILVA, R., 1992. *Observações sobre a ecologia da comunidade de Odonata (Insecta-Hemimetabola) no igapó e em riachos de terra-firme, na região de Manaus (AM, Brasil)*. Diss. Mestrado, Insto Nac. Pesquisas da Amazônia. 85 pp. (Port.). — (Author's address unknown).
[Not available for abstracting.]

- (14011) RAMPAZZI, F., G. COTTI, W. MATTHEY & W. GEIGER, 1992. Étude des communautés des macro-arthropodes dans les haut-marais et marais de transition d'importance nationale du Tessin et du Moesano (V. Calanca et V. Mesolcina, GR). Résumé du projet. *Mitt. schweiz ent. Ges.* 65(1/2): 201-202. — (First Author: Mus. cantonale Sor. nat., Viale Cattaneo 4, CH-6900 Lugano).

A concise description of the project, the results of which are described in OA 14023. A reference is made to the odon., but no spp. are mentioned.

1993

- (14012) HUBBELL, S., 1993. *Broadsides from the other orders: a book of bugs*. Mariner Books, Boston-New York. xx+276 pp. ISBN 0-395-88326-1. — Price: US\$ 13.- net.

Written in a very personal style, somewhere between popular science and poetry, and interwoven with numerous "autobiographic notes", the book presents a most delightful reading. The odon. are comprehensively dealt with on pp. 153-170, where a good outline of their biology and behaviour is provided.

1994

- (14009) WILSON, E.C., 1986. Type specimens of fossil Invertebrata in the Natural History Museum of Los Angeles county: Supplement Two. *Techn Rep. nat. Hist. Mus. Los Angeles* 1: iv+150 pp. — (Nat. Hist. Mus. Los Angeles Co., 900 Exposition Blvd, Los Angeles, CA 90007, USA).

Lists material worked out by R. Squires (OA 2734 and [not available for abstracting] 1982, Dragonfly nymphs from the Peace Valley Formation, Ridge Basin, California, in: J.C. Crowell & M.H. Link, [Eds],

- (14013) BIJ DE VAATE, A., 1994. Long-term changes in the macroinvertebrate fauna of the river IJssel, the Netherlands. *Verh. int. Ver. Limnol.* 25(3): 1563-1567. — (Inst. Inland Water Mngmt, P.O. Box 17, NL-8212 AP Lelystad).

The IJssel R. water quality is improving since the end of the 1960s. During 1975-1991, stones in the littoral zone were sampled (Sept./Oct.) yearly. 1 Zygopt. sp. (name not stated) occurred during 1975-1977, but no odon. were encountered during 1989-1991.

- (14014) FOECKLER, F., W. KRETSCHMER, O. DEICHNER & H. SCHMIDT, 1994. Bioindication of former floodplain waters of the lower Salzach river (Bavaria) by macroinvertebrate communities. *Verh. int. Ver. Limnol.* 25(3): 1618-1623. — (Okon, Max-Planck-Str. 17, D-85716 Lochhof-Unterschleissheim/München).
Platynemis pennipes is a characteristic sp. of backwaters at the confluence of the Salzach and Inn rivers, and *Coenagrion puella/pulchellum* are so of large backwaters with groundwater influence, mostly at the former braided zone N of Laufing, Bavaria, Germany.
- (14015) FONTOURA, A.P. & N. DE PAUW, 1994. Microhabitat preference of stream macrobenthos and its significance in water quality assessment. *Verh. int. Ver. Limnol.* 25(3): 1936-1940. — (First Author: Inst. Zool. 'Dr A. Nobre', Fac. Cien. Porto, Praça Gomes Teixeira, PT-4000 Porto).
 Principal Component Analysis of data from the Rabagao a fast mountain river in N Portugal, shows that sand, mud and Potamogeton vegetation are colonized by the limnophilous *Coenagrion* and *Erythromma*, while the rheophilous "Agrion" (= *Calopteryx*) occurs in *Ranunculus* vegetation.
- (14016) FRUGET, J.F., 1994. Invertebrate communities in a regulated floodplain of the middle Rhône river. *Verh. int. Ver. Limnol.* 25(3): 1549-1554. — (Ecologie des Eaux douces, Univ. Lyon-I, F-69622 Villeurbanne).
 The study was carried out at the Péage-de-Roussillon, 50 km downstream from Lyon, France. 16 odon. spp. were evidenced, but no list is presented.
- (14017) HACET, N. & N. AKTAÇ, 1994. Trakya bölgesi Odonata faunasına yeni kayıtlar. — New odonate records from Thrace. *12 ulusal Biyol. Kongr.*, Edirne, pp. 202-209. (Turk., with Engl. s.). — (First Author: Dept Biol., Fac. Arts & Sci., Univ. Trakya, TR-22030 Edirne).
 The records (1992-1993) of 7 spp. that were not previously recorded from Thrace, Turkey are listed and discussed. — (*Abstractor's Note*: *Sympetrum flaveolum* was misidentified. According to a pers. comm. from the Author, the specimen is referable to *S. fonscolombeii*.)
- (14018) HENRY, R., V.S. UIEDA, A.A. DE O.AFONSO & R.M. KIKUCHI, 1994. Imput of allochthonous matter and structure of fauna in a Brazilian headstream. *Verh. int. Ver. Limnol.* 25(3): 1866-1870. — (Dept Zool., Inst. Biosci., UNESP, C.P. 502, BR-18610 Botucatu, SP).
 In low abundance but in a high constancy, 5 odon. families were represented in samples from the Itaúna stream, a 3rd order stream in São Paulo; spp. names are not stated, and the impact of the imput of allochthonous matter on the odon. is not discussed.
- (14019) WRIGHT, J.F., J.H. BLACKBURN, R.T. CLARKE & M.T. FURSE, 1994. Macroinvertebrate-habitat associations in lowland rivers and their relevance to conservation. *Verh. int. Ver. Limnol.* 25(3): 1515-1518. — (River Lab., Inst. Freshw. Ecol., East Stoke, Wareham, Dorset, BH20 6BB, UK).
 Between June and early Aug., 608 samples were taken at 76 sites on over 30 lowland rivers in UK. The Calopterygidae occurred in 44 samples; the fam. was represented in 7.6% of samples from submerged and floating vegetation, and in 13.1% of those from emergent macrophytes. No other odon. taxa were considered.

1998

- (14020) FLOSS, I., 1998. *Struktur- und Raumnutzung der Gefleckten Smaragdlibelle (Somatochlora flavomaculata) Vander Linden, 1825 in einer voralpinen Moorlandschaft*. DiplArb. Zool. Inst. Univ. Zürich. 68 pp. — (Author: Vordere Augustinergasse 7, CH-8800 Thalwil).
 Unlike in most dragonflies, *S. flavomaculata* ♂ establish their territories at some distance from the breeding habitat. In a subalpine moorland in canton Zürich, Switzerland, the probability of establishing a territory increases with the decrease of distance to the nearby woods, and with the increase of the available open water surface, but it does not depend on the height of reeds and other vegetation. The utilisation of space and habitat structure by (marked) territorial ♂ is quantitatively and qualitatively described, analysed and discussed.
- (14021) KAPPES, E. & W. KAPPES, 1998, 2000, 2001. Neusiedler See. *Naturk. Reiseber.* 12[1998]: 1-49; 14[2000]: 1-44; 17[2001]: 1-42, 8 pp. appendix excl. — (Winsbergg 5, D-22525 Hamburg).
 The 3 issues include odon. records from various Neusiedler See localities (Austria), on pp. 21-26; 15, 26-30; and 28-34, resp.
- (14022) LUGON, A., G. MULHAUSER & S. PEARSON,

1998. Evaluation des tourbières du canton du Jura à l'aide des odonates, des rhopalocères, des coléoptères aquatiques et des araignées. *Actes Soc. jurass. émulat.* 100: 77-122. — (Authors' addresses unknown).

[Not available for abstracting.]

- (14023) RAMPAZZI, F., 1998. Le libellule (Insecta: Odonata) delle torbiere a sfagni del cantone Ticino e del Moesano (Val Calanca e Val Mesolcina, GR), Svizzera. *Boll. Soc. ticin. Sci. nat.* 86(2): 19-28. (With Engl. s.). — (Mus. cantonale Stor. nat., Viale Cattaneo 4, CH-6900 Lugano).

The odon. fauna was systematically studied in 20 Sphagnum moors (alt. 275-2020 m) in the cantons of Ticino (16) and Grisons (4), Switzerland. 25 spp. were recorded, 7 of which are tyrphophilous. The most characteristic of these are *Somatochlora arctica* and *Aeshna caerulea* (above 1700 m), and particularly *Leucorhina dubia* (restricted to dystrophic ponds). The affinity to Sphagnum habitats in *Aeshna juncea* and *Somatochlora alpestris* decreases with increasing altitude.

1999

- (14024) HAWKING, J.H., 1999. An evaluation of the current conservation status of Australian dragonflies (Odonata). In: W. Ponder & D. Lunney, [Eds], *The other 99%: the conservation and biodiversity of invertebrates*, pp. 354-360, R. Zool. Soc. NSW, Mosman. — (Murray-Darling Freshw. Res. Cent., P.O. Box 921, Albury, NSW 2640, AU).

The status of the 314 spp. known to occur in Australia is evaluated against the 1996 IUCN Red List categories as follows: 1 sp. as "Critically Endangered", 12 spp. "Endangered", 24 spp. "Vulnerable", 39 spp. "Near Threatened", 84 spp. "Data Deficient", and 154 spp. as "Least Concern".

- (14025) KAPPES, E. & W. KAPPES, 1999. Südliche iberische Halbinsel: naturkundliche Reisenotizen. Algarve/Portugal 22. bis 29. März 1997, Andalusien/Spanien 3. bis 17. April 1998, 11. bis 27. September 1998. Route; Artenlisten: Säugetiere, Vögel, Libellen, Tagfalter, Amphibien/Reptilien; Farbfotos. *Naturk. Reiseber.* 13: 1-110. — (Winsberggring 5, D-22525 Hamburg).

Annotated checklists are presented of 18 odon. spp. from 14 localities in S Portugal (pp. 26-31), and of 8 spp. from 3 localities in Andalusia, Spain (p. 63). Their col. portraits appear on pp. 97-108.

- (14026) MANGER, R., 1999. *Libellen in de duinen van de Noordkop*, 1999: *Grafelijkheidsduinen, Refugium en Zwanenwater*. — [Dragonflies in the Noordkop dunes, 1999]. KNNV Rapp. Afd. Den Helder. 40 pp. (Dutch). — (Available from: KNNV Afd. Den Helder, c/o K. Kaag, Kofstraat 14, NL-1784 RP Den Helder; — Author: Stoepveldsingel 55, NL-9403 SM Assen). A detailed report on the results of the 1999 surveys of 3 dune wetland areas, Noord Holland prov., the Netherlands. 21 spp. were encountered; their occurrence and abundances are analysed. The species composition and abundance in the Noordkop are compared with those in the nearby Northsea island of Texel (1990-1999).

- (14027) MANGER, R., 1999. Libellen in het Refugium. — [Dragonflies of the Refugium]. *Op de Kop* 4(4): 7. (Dutch). — (Stoepveldsingel 55, NL-9403 SM Assen). The "Refugium" is a dune locality nr Den Helder, Noord Holland prov., the Netherlands. 12 spp., sighted during May-Aug. 1999, are listed.

- (14028) MARTIN, M., J. LUIG & M. HEIDEMAA, 1999. Grid mapping of Estonian insects. *Proc. 24th Nordic Congr. Ent.*, pp. 97-100, Inst. Zool., Univ. Tartu. — (First Author: Inst. Zool. & Hydrobiol., Univ. Tartu, Vanemuise 46, 51014 Tartu, Estonia). The literature search and the 1994-1996 field surveys yielded sufficient data for preparation of the UTM grid odon. distribution maps for Estonia.

- (14029) NARAOKA, H., 1999. On the Forcipomyia (Pterobosca) tokunagai Oka & Asahina (Diptera: Ceratopogonidae). *J. nat. Hist. Aomori* 1999(4): 17-21. — (36-71 Motoizumi, Fukunoda, Kita-Tsugaru-gun, Aomori, 038-3661, JA).

6 Forcipomyia spp. were so far recorded from dragonflies in Japan; the records are here reviewed and crossreferenced with bibliography. F.(P.) tokunagai was recorded from 18 odon. spp. (Lestidae, Calopterygidae, Gomphidae, Cordulegastridae, Corduliidae, Libellulidae).

- (14030) PIERALLINI, R. & N. PATOCCHI, 1999. Monitoraggi faunistici alle Bolle di Magadino (Svizzera meridionale): libellule (1998). *Boll. Soc. ticin. Sci. nat.* 87(1/2): 11-13. (With Engl. s.). — (Second Author: Fondazione Bolle di Magadino, CH-6573 Magadino). In 1998, 23 spp. were evidenced in the Reserve "Bolle di Magadino", canton Ticino, Switzerland. Out of the 11 spp. that are considered of particular interest, the

populations of *Calopteryx splendens caprai*, *Anax parthenope*, *Sympetrum vulgatum* and *Crocothemis erythraea* seem to be increasing.

- (14031) PIVKO-KNEŽEVIČ, A., 1999. *Popis kačjih pastirjev (Odonata) ob Škalskem jezeru in izdelava ključa za njihovo določanje*. — [*Dragonflies of Škalsko Lake and a key for their identification*]. Osnovna šola Gustava Šiliha, Velenje. ix+52 pp., 1 map excl. (Slovene). — (Vodnikova 3, SI-3320 Velenje). The lake is situated in Šaleška Valley, Styria, E Slovenia. Morphology, biology and the dragonfly role in folklore are briefly outlined. The 14 spp., so far evidenced at the lake, are described and keyed.
- (14032) ZHANG, J., 1999. Odonata. In: Huang Bangkan, [Ed.], *Fauna of insects [of the] Fujian province of China*, Vol. 3, pp. 187-300, ISBN 7-5335-1443-2. (Chin., with Engl. s. & taxonomic nomenclature). — (Biol. Control Res. Inst., Fujian Agric. Univ., Fuzhou, Fujian-350002, P.R. China). A monograph on the provincial fauna, covering 199 spp., with descriptions and some figs.

2000

- (14033) CHOVANEC, A., 2000. Dragonflies (Insecta: Odonata) as indicators of ecological integrity of aquatic systems: a new assessment approach. *Verh. int. Ver. Limnol.* 27: 887-890. — (Abt. Aquat. Ökol., Umweltbundesamt, Spittelauer Lände 5, A-1090 Wien). The aim of the paper was to demonstrate a new approach in the assessment of standing water ecological integrity, based on the odon. community analysis. The method has been designed to meet the requirements of the 1998 European Union Water Framework Directive (EUWFD). Case studies were conducted at Tritonwasser and at the Priessnitz Pond. The method has been further worked out and described in detail in the paper listed in OA 14068.
- (14034) CHOVANEC, A., F. SCHIEMER, A. CABELA, S. GRESSLER, C. GRÖTZER, K. PASCHER, R. RAAB, H. TEUFL & R. WIMMER, 2000. Constructed inshore zones as river corridors through urban areas: the Danube in Vienna; preliminary results. *Regulated Rivers Res. Mngmt* 16: 175-187. — (First Author: Abt. Aquat. Ökol., Umweltbundesamt, Spittelauer Lände 5, A-1090 Wien). During the past 125 yr, river regulation has considerably changed the ecological conditions of the Austrian Danube and its floodplains; the system is at present much fragmented. Within the Vienna municipal area, the alterations have been particularly severe: river embankments and a bypass channel (the 'New Danube'), separated from the main river by an artificial island ('Danube Is.'), are the key elements of flood control, and river levels are controlled by the Vienna hydroelectric power plant. During construction of the latter, the previously straight shoreline of the 21 km long Danube Is., with its steep embankments, was reconstructed by creating shallow water areas, gravel banks, small permanent backwaters and temporary waters. The paper describes the scheme and the results of the first yr of a 4-yr monitoring programme, investigating the colonization and successional processes in some indicator organisms, incl. the odon. The newly constructed inshore zones were colonized by 24 odon. spp. Pioneer spp., such as *Ischnura elegans*, *I. pumilio* and *Sympetrum striolatum* were dominant, and have established large populations within the first monitoring yr.
- (14035) DUMONT, H., 2000. *Inleiding tot de ecologie van populaties*. — [*Introduction to population ecology*]. Kenobi, Gent. viii+251 pp. Softcover (16.0x24.0 cm). ISBN 90-804341-4-0. (Dutch). — (Publishers: Hofstraat 25, B-9000 Gent). An advanced textbook, with numerous examples from the odon. world.
- (14036) KOTARAC, M., V. GROBELNIK, F. REBEUŠEK, A. ŠKVARČ & R. VEROVNIK, 2000. *Inventarizacija kačjih pastirjev in dnevnih metuljev na območju Ljubljanskega Barja*. — [*Dragonfly and butterfly inventarisation in the Ljubljana Moor*]. CKFF, Miklavž-na-Dravskem-polju. 29 pp. (Slovene). — (First Author: Zemljemerska 10, SI-1000 Ljubljana). Based on the dissertation described in OA 12165 and on 8 days of field work (Sept. 1999, Oct. 2000), 32 odon. spp. (27 of which autochthonous) are listed and their status is indicated. *Coenagrion ornatum*, *C. pulchellum*, *Somatochlora flavomaculata* and *Libellula fulva* are dealt with in some detail. The areas with the redlisted spp. (Na Mahu and Bevke) are pointed out, faunal changes due to succession are emphasized, and suggestions for the maintenance of channels and ditches are presented. — Central Slovenia.
- (14037) KOTARAC, M. & A. ŠALAMUN, 2000. Kačji pastirji (Odonata). In: M. Kotarac, F. Rebeušek & A. Šalamun. *Inventarizacija Dravinjske doline med*

- Zbelovim in Koritim*, pp. 2-10. CKFF, Miklavž-na-Dravskem-polju. (Slovene). – (Zemljemerska 10, SI-1000 Ljubljana).
During May-Sept. 2000, 23 spp. (4 of them redlisted) were evidenced along the Dravinja R. (Section Zbelovo-Koritno; 46 localities), Slovenia. *Erythromma najas* became abundant not until early Aug., but it could not be ascertained whether the freshly emerged individuals were referable to a second generation. Noteworthy is the sighting of an unusually old *Sympecma fusca* individual in June. Some protective measures for the area are suggested.
- (14038) KOVACS, T., 2000. Két ritka rovar a Mátrából: *Cordulegaster bidentatus* Sélys, 1843 és *Diura bicaudata* (Linnaeus, 1758) (Insecta: Odonata, Plecoptera). – Two rare insects from the Mátra Mountains: *Cordulegaster bidentatus* Sélys, 1843 and *Diura bicaudata* (Linnaeus, 1758) (Insecta: Odonata, Plecoptera). *Folia hist.-nat. Mus. matraensis* 24: 129-131. (Hung., with Engl. s.). – (Mátra Muz., Kossuth u. 40, HU-3200 Gyöngyös).
C. bidentatus adults, larvae and exuviae were collected (1996-1999) from several localities (alt. 440-820 m), representing first records for the Matra Hills, Hungary.
- (14039) ŁABEDZKI, A., 2000. Ważki (Odonata) Bieszczadów. – Dragonflies (Odonata) in the Bieszczady Mountains. *Monografie bieszczadzkie* 7: 157-163. (Pol., with Engl. s.). – (Kat. Ent. Lesnej, Akad. Rolnicza, ul. Wojska Polskiego 71 c, PO-60-625 Poznań).
A commented review of 46 spp. so far evidenced in the area. – E Poland.
- (14040) MERMET, E. & P. GALLI, 2000. Contributo alla conoscenza delle libellule (Insecta: Odonata) del Varesotto. *Boll. Soc. ticin. Sci. nat.* 88(1/2): 19-23. (With Engl. s.). – (Civ. Mus. insubrico Stor. nat., Piazza Giovanni XXIII 4, I-21056 Induno Olona, Varese)
Annotated records of 47 sp. from Varesotto, NW Lombardy, Italy. Some taxa of interest are: *Calopteryx splendens caprai*, *C. v. virgo*, *C. v. padana* (incl. f. *schmidtii*), *Chalcolestes v. viridis*, *Hemianax ephippiger*, *Somatochlora metallica* etc.
- (14041) NOVELO-GUTIERREZ, R., 2000. Description of the larva of *Hetaerina infecta* Calvert (Odonata: Calopterygidae). *Proc. ent. Soc. Wash.* 102(1): 99-104. (With Span. s.). – (Depto Ent., Inst. Ecol., A.C., Apdo Postal 63, MX-91000 Xalapa, Veracruz).
- The description and illustrations are based upon 2 exuviae and 6 last instar larvae. The larva is compared to that of its close relative, *H. capitalis*. Data on distribution, habitat and habits, as well as a key for the Mexican spp. are provided.
- (14042) POBOLJŠAJ, K., V. GROBELNIK, M. HÖNIGSFELD ADAMIČ, M. JAKOPIČ, M. KOTARAC, I. LESKOVAR, A. LEŠNIK, S. POLAK, F. REBEUŠEK, A. ŠALAMUN & R. VEROVNIK, 2000. *Inventarizacija favne in flore na Radenskem polju: končno poročilo*. – [Inventarisation of fauna and flora of Radensko polje: final report]. CKFF, Miklavž-na-Dravskem-polju. 88 pp. (Slovene). – (Odon. by M. Kotarac & A. Šalamun: Zemljemerska 10, SI-1000 Ljubljana).
The odon. chapter from the preliminary report is listed in OA 13115. 27 odon. spp. are now known from the polje, the breeding of 14 of them was documented. 5 spp. are redlisted. The fauna is discussed, and its composition is compared in a graph with that of the entire Slovenia. Due to a favourable combination of habitats, Radensko polje is likely to function as an "assemblage area" for the odon. fauna of the region (pp. 32-39).
- (14043) POBOLJŠAJ, K., V. GROBELNIK, M. JAKOPIČ, F. JANŽEKOVIC, M. KOTARAC, I. LESKOVAR, A. LEŠNIK, B. ROZMAN & A. ŠALAMUN, 2000. *PVO za izgradnjo deponije v gramoznici Ob kanalu za področje habitatnih tipov, flore in favne*. – [Assessment of environmental impact on habitat types, flora and fauna by construction of a waste dump in the gravel pit at Ob-kanalu]. CKFF, Miklavž-na-Dravskem-polju. 17 pp. (Slovene). – (Odon. by M. Kotarac & A. Šalamun: Zemljemerska 10, SI-1000 Ljubljana).
The locality is situated in Prekmurje, NE Slovenia. 8 odon. spp. are listed, incl. the "vulnerable" *Brachytron pratense*.
- (14044) PRASAD, M., 2000. Additions to species of dragonflies and damselflies known from Andhra Pradesh. *Bionotes* 2(3): 50. – (Zool. Surv. India, 'M' Block, New Alipore, Calcutta-700053, India).
Pseudagrion spencei, *Aciagrion h. hisopa*, *A. occidentale*, *Agriocnemis splendidissima*, *Copera vittata decanensis*, *Prodasinia verticalis annandalei*, *Gynacantha bayadera*, *Macromia cingulata*, and *Trithemis k. kirbyi* are added to the fauna list of the state, India.

- (14045) PRIMACK, R., H. KOBORI & S. MORI, 2000.

Dragonfly pond restoration promotes conservation awareness in Japan. *Cons. Biol.* 14(5): 1553-1554. — (First Author: Biol. Dept, Boston Univ., Boston, MA 02215, USA).

The Yokohama city authorities and community groups have restored a dragonfly habitat (1986) in a previous ornamental fish pond. The odon. fauna increased from the original 3 to 27 spp. now, and dragonfly watching became a popular passtime for the urban population. On school grounds, 70 more dragonfly ponds were built in the Yokohama area, 300 being the final goal. The program, with pronounced educational and teaching objectives, has attracted widespread attention in Japan, and there are 500-1000 dragonfly ponds elsewhere in the country. Those next to schools are successfully encouraging an appreciation for nature and its conservation in children. The enthusiasm of local people facilitates the restoration and management, from which Japan's biological diversity as a whole is ultimately also to benefit (incl. e.g. aquatic plants, molluscs, fish, amphibians etc.).

- (14046) SAMWAYS, M. & M. HATTON, 2000. The third dimension: conservation on hills and mountains. *Palmnut Post* [= *Mag. Durban nat. Sci. Mus.*] 3(2): 9-11. — (Sch. Bot. & Zool., Fac. Sci. & Agric., Univ. Natal, Private Bag X01 Scottsville, Pietermaritzburg-3209, SA).

Attention is drawn to the unique odon. fauna of South African hill habitats. Reference is made to the 6 *Pseudagrion* spp. in the Amanzibomvu Stream (Umfolozozi-Hluhluwe Game Reserve, Cape), *Chlorolestes draconicus* (Drakensberg), and to *Bradinopyga cornuta* (in and around pools on granite domes).

- (14047) VIG, K., 2000. *A Nyugat-magyarországi peremvidék állattani kutatásának története. — History of zoological research of western Hungary.* Muz. Szombathely. viii+367 pp. ISBN 963-7206-81-7. (Hung., with Engl. s.). — (Publishers: Kiskalud u. 9, HU-9700 Szombathely).

A comprehensive survey and assessment of literature related to the zoological exploration of western Hungary (Praenoricum). The history of odon. research (pp. 93-95) commenced in 1880. The works published up to and incl. 1999 are considered.

- (14048) VIZSLÁN, T., 2000. Adatok a Dunántúli Odonata faunájához. — Data on dragonfly fauna of

Transdanubia. *Folia hist.-nat. Mus. matraensis* 24: 139-144. (Hung., with Engl. s.). — (Szent Mihály ut. 9, HU-9400 Sopron).

The 1999 records (30 spp.) are listed from 56 localities; Hungary.

- (14049) WEIDMANN, P. & M. KIEFFER, 2000.

Wirkungskontrolle Amphibien und Libellen im Talboden des Churer Rheintales. Atragene, Chur. 20 pp., maps & col. pls incl. — (Publishers: Bahnhofstr. 20, CH-7000 Chur; — First Author: Falknisstr. 15, CH-7000 Chur).

22 odon. spp. are recorded from 45 sites in the Rhine R. valley, between Fläsch and Rhezüns, canton Grisons, Switzerland.

2001

- (14050) *AGRION, UTRECHT*, Vol. 46, No. 1 (Dec. 2001). ISSN none. (Dutch). — (c/o C. van der Muren, Croeselaan 299 bis A, NL-3521 BT Utrecht).

The journal is published by the Insect Working Group of the Netherlands Youth Federation for Nature Studies since 1956, and covers all insect orders. — Odonatol. notes in the present issue: *Van Grunsven, R.*: Insects as pets (pp. 16-18); — *Kuijper, B.*: Insect observations at the Noord-Limburg Workshop-III (pp. 19-21).

- (14051) ARAI, Y., 2001. *Tombo no fushigi. — [Dragonfly wonders]*. Dobutsu-sha, Tokyo. 166 pp. Softcover (13.0x18.7 cm). ISBN 4-88622-316-8. — Price: ¥ 1500.- net. (Jap.). — (Publishers: 4-27-4, Koenji-kita, Suginami-ku, Tokyo, 166-0002, JA; — Author: 1233-2, Sueno, Yoriii-machi, Osato-gun, Saitama, 369-1205, JA).

The book is the result of many yr of Author's passionate field work; it includes numerous original observations and brings under the reader's attention many suggestions on various pending problems of odon. biology that are still to be systematically investigated. — Dr N. Ishizawa's translation of chapter titles is available from the Eds of *Odonatologica*.

- (14052) *ATROPOS*, No. 14 (Aug. 2001). ISSN none. — (c/o M. Tunmore, 36 Tinker Lane, Meltham, Holmfirth, W Yorks, HD7 3EX, UK).

Parr, A.: Thoughts on the identification of Lesser Emperor, *Anax parthenope* Selys (pp. 17-18); — *Insect Line*: Insects reported during April to July 2001 (pp. 33-35); — *Ketelaar, R.*: European reports 2000: The Netherlands, Odonata (pp. 48-49); — *Tunmore, M.*:

- [Book review] The dragonflies of Sri Lanka, by T. de Fonseka (pp. 57-58); — Kilgour, R.: Emperor, *Anax imperator*, predating Brimstone *Gonepteryx rhamni* (p. 62); — Sherwin, G.: White-faced Darter, *Leucorrhinia dubia*, and Black Darter, *Sympetrum danae*, in tandem (p. 64); Parr, A.J.: Odonata Records Committee news (p. 67); — Tunmore, M.: Small Red-eyed Damselfly, *Erythromma viridulum* (p. 68).
- (14053) BECHLY, G., 2001. A new species of *Cymatophlebia* (Insecta: Odonata: Cymatophlebiidae) from the Solnhofen Lithographic Limestone (Upper Jurassic, Germany). *Stuttg. Beitr. Naturk. (B)* 301: 1-5. (With Germ. S.). — (Staat. Mus. Naturk., Rosenstein 1, D-70191 Stuttgart).
C. densa sp. n. is described and illustrated from an isolated hindwing. Holotype ♀: Solnhofen, southern Frankonian Alb, Bavaria; Upper Jurassic, Malm, Lower Tithonian, Hybonotum Zone, Solnhofen Lithographic Limestone; deposited in NHMB, Basel, No. F 1192.
- (14054) BECHLY, G., A. NEL, X. MARTÍNEZ-DELCLÒS, E.A. JARZEMBOWSKI, R. CORAM, D. MARTILL, G. FLECK, P. ESCUILLIÉ, M.M. WISSHAK & M. MAISCH, 2001. A revision and phylogenetic study of Mesozoic Aeshnoptera, with description of several new families, genera and species (Insecta, Odonata: Anisoptera). *Neue paläont. Abh.* 4: 1-219. — (Second Author: Lab. Ent., Mus. Natn. Hist. Nat., 45 rue Buffon, F-75005 Paris).
[Not available for abstracting.]
- (14055) BEDJANIČ, M., 2001. Mladinski raziskovalni tabor Makole: poročilo entomološke skupine. — [Youth field workshop Makole: report of the Entomology Group]. *Panorama, Slovenska Bistrica* 12(35): 10. (Slovene). — (Fram 117/A, SI-2313 Fram).
The local newspaper article includes records of *Ophiogomphus cecilia*, *Cordulegaster bidentata*, C. heros, and *Sympetrum depressiusculum* from the broader area of Makole, E Slovenia.
- (14056) BEDJANIČ, M. & M. JEŽ, 2001. *Naravovarstvene smernice za rabo in izkoriščanje vode iz akumulacije Požeg*. — [Nature conservation directives for the use and exploitation of water of the Požeg man-made lake]. ZVNKD, Maribor. 25 pp. (Slovene). — (First Author: Fram 117/A, SI-2313 Fram).
All the relative legislation documents are reproduced, the conservation status of the Rački ribniki-Požeg Landscape Park (NE Slovenia) is outlined, and the directives are meticulously worked out. The odon. fauna is thoroughly considered, and some of the noteworthy spp. are mentioned. — For a review of the odon. fauna of this area, see OA 12796.
- (14057) BEDJANIČ, M., M. JEŽ & M. PLANJŠEK, 2001. *Naravovarstvene smernice za območje občine Mežica*. — [Nature conservation directives for the territory of the municipality of Mežica]. ZVNKD, Maribor. 78 pp. (Slovene). — (First Author: Fram 117/A, SI-2313 Fram).
A reference is made to the occurrence of *Cordulegaster bidentata*, in Šumec, Podkraj nr Mežica, Slovenia.
- (14058) BEDJANIČ, M., M. JEŽ & M. PLANJŠEK, 2001. *Naravovarstvene smernice za območje občine Prevalje*. — [Nature conservation directives for the territory of the municipality of Prevalje]. ZVNKD, Maribor. 72 pp. (Slovene). — (First Author: Fram 117/A, SI-2313 Fram).
A reference is made to *Aeshna juncea*, from Dolga Brda, Prevalje, Slovenia.
- (14059) BEDJANIČ, M. & J. URBANEK, 2001. *Regijski park Mura*. ZVNKD, Maribor. ii+20 pp. ISBN 961-6324-12-8. (Slovene, with Preface also in Hung., Germ. & Engl.). — (First Author: Fram 117/A, SI-2313 Fram).
50 odon. spp. were recorded from the Mura Regional Park, NE Slovenia (cf. also OA 12908). The occurrence of *Libellula fulva* is emphasized.
- (14060) BELENKO, V., 2001. *Letayushchie drakony*. — [Flying dragons]. *Sovetskaya Sibir'* 2001(132), 1 p., issue of 20 July. (Russian).
A daily's report on the 15th Int. Symp. Odonatol. (Novosibirsk, Russia, 9-19 July 2001; cf. OA 13837), based on an interview with the Chairman of the Org. Committee, Prof. Dr A.Yu. Haritonov. It includes also a brief outline of some trends in the modern odon. research. — See also OA 14125.
- (14061) BERGER, M., 2001. Die Insekten Sammlungen im Westfälischen Museum für Naturkunde Münster und ihre Sammler. *Abh. westf. Mus. Naturk.* 63(3): 3-168. (Jupiterweg 18, D-48163 Münster).
The history of insect exploration in Westphalia (Germany) is traced from 1833, and the history and inventory of the entomological collections of the Münster Nat. Hist. Mus. are meticulously outlined. Brief biographies of the collectors are included, and a

comprehensive bibliography is provided. The work on the odon. collection commenced in 1873. The authors of the collections and the dates of their resp. acquisitions are stated.

- (14062) BERRAHOU, A., B. CELLOT & P. RICHOUX, 2001. Distribution longitudinale des macroinvertébrés benthiques de la Moulouya et de ses principaux affluents (Maroc). *Annls Limnol.* 37(3): 223-235. (With Engl. s.). — (Last 2 Authors: Ecol. Hydrosyst. Fluviaux, Univ. Claude Bernard Lyon-I, 43 blvd du 11-Novembre-1918, F-69622 Villeurbanne). The study was carried out at 19 sites (May-June 1994). *Platycnemis* sp. and *Gomphus* sp. are the sole odon. listed.
- (14063) BONSEL, A., 2001. Zusammenhänge zwischen der Gewässereutrophierung und der Ausbreitung von *Erythromma viridulum* (Charp., 1840) (Zygoptera: Coenagrionidae), am Beispiel von Mecklenburg-Vorpommern. *Z. Ökol. NatSchutz* 9(4): 211-217. (With Engl. s.). — Vasenbusch 15, D-18337 Gresenhorst). In Mecklenburg-Vorpommern (NE Germany), *E. viridulum* appeared in the 1960s. At present it is known from numerous localities. Its recent northward expansion is attributed to habitat eutrophication and the subsequent *Ceratophyllum* expansion rather than to the climatic changes.
- (14064) BOŽIČ, L., 2001. Murska šuma in njena okolica. — [Murska Šuma and its surroundings]. *Svet Ptice* 7(3): 22-24. (Slovene). — (Author's address not stated). A reference is made to the occurrence of *Leucorrhinia caudalis* and *L. pectoralis* in the Mura R. oak forest area, NE Slovenia.
- (14065) BRACHYTRON (ISSN 1386-3460), Vol. 5, No. 1/2 (Dec. 2001). (Dutch, with Engl. s's). — (c/o W.J.A. Hoeffnagel, Krekemeent 72, NL-1218 ED Hilversum). *Vliegenthart*, A. & T. Termaat: *Coenagrion mercuriale* (Charp.) in the Netherlands? (pp. 2-7); — *Manger, R.*: The increase of *Pyrrhosoma nymphula* in the north-west of the Netherlands (pp. 8-14); — *Kalkman, V.J. & N.J. Dingemans*: The occurrence of the form *interlineata* and the typical form of *Aeshna subarctica elisabethae* in the Netherlands (pp. 15-18); — *Groenendijk, D., R. Ketelaar & C. Plate*: The Dutch Dragonfly Monitoring Scheme: some results after the first three years of counting (pp. 19-27); — *Ketelaar, R., E.P. de Boer & A. van de Burgh*: New localities of *Sympecma paedisca* in the Netherlands (pp. 28-31); — *Mensink, G.*: Discovery of a new population of *Somatochlora flavomaculata* in the Netherlands (pp. 32-35); — *Van Tol, J.*: *Dear Liefstinck*, 2. *Aeshna viridis* and *Lestes viridis* in 1926 (pp. 36-39); — *Wasscher, M.*: In memoriam Jean Belle (1920-2001) (pp. 40-42); — Book reviews, by *D. Groenendijk* and *K.-D.B. Dijkstra* (pp. 44-46).
- (14066) BUCZYNSKI, P., 2001. Pierwsze stwierdzenie *Coenagrion armatum* (Charpentier, 1840) (Odonata: Coenagrionidae) na Roztoczu. — The first record of *Coenagrion armatum* (Charpentier, 1840) (Odonata: Coenagrionidae) in the Roztocze Uplands. *Wiad. ent.* 20(1/2): 87-88. (Pol., with Engl. title). — (Dept Zool., Inst. Biol., M. Curie-Skłodowska Univ., Akademicka 19, PO-20-033 Lublin). 1 ♂ was taken on 10-V-2000 nr Guciów, Roztoczanski Natn. Park, Poland. The habitat and its odon. fauna are briefly described.
- (14067) CARVALHO, A.L. & R.R. KLOOSTERMAN, 2001. Descrição da larva de *Neocordulia carlochagasi* Santos, 1967 (Insecta, Odonata, Corduliidae). *Contr. avuls. Hist. nat. Brasil* (Zool.) 32: 1-5. (Port., with Engl. s.). — (Dept Ent., Mus. Nac., UFRJ, Caixa postal 68044, BR-21944-970 Cidade Universitária, RJ). The ultimate instar is described and illustrated, based on reared material from Itamonte, MG, Brazil. The larvae of 5 congeners are keyed.
- (14068) CHOVANEC, A. & J. WARINGER, 2001. Ecological integrity of river-floodplain systems: assessment by dragonfly surveys (Insecta: Odonata). *Regul. Rivers Res. Mngmt* 17: 493-507. — (First Author: Abt. Aquat. Ökol., Umweltbundesamt, Spittelauer Lände 5, A-1090 Wien). A new approach towards assessing the ecological integrity of river-floodplain systems by analysing resident breeding odon. spp. is presented. The methodology is based on experiences with existing approaches using macroinvertebrates as bioindicators in particular, calculations of saprobic indices, longitudinal zonation and functional feeding group patterns. In addition to the total number of spp. and the number of sensitive spp., the 'Odonate Habitat Index' (OHI) is a key element of the assessment method. It indicates characteristic features of a river-floodplain system, such as connectivity aspects, flow dynamics and terrestrialization processes. The OHI is calculated from the species-specific habitat values (expressing habitat preferences), abundances and the species-

- specific indication weight, which distinguishes eurytopic from stenotopic spp. The comparison of the status quo with a reference condition allows an assessment of individual water bodies and/or of a whole area in a five-tiered classification scheme. The approach presented may also be used for the evaluation of restoration measures (e.g. reconnection of side arms) and for the definition of management objectives. Apart from the methodological framework, the results of a first application of this approach are presented in the paper as well. The study areas were selected floodplain systems of the Austrian section of the Danube and man-made inshore structures of the impounded Danube section in Vienna.
- (14069) DANIELID, E. & K. EKESTUBBE, 2001. Vinterflickslända (*Sympecma fusca*) på spridning norrut? – Winter Damselfly (*Sympecma fusca*) spreading north in Sweden? *Ent. Tidskr.* 122(4): 173-176. (Swed., with Engl. s.). – (First Author: Inst. Zool., Univ. Stockholm, S-10691 Stockholm). The sp., known from SE Sweden, has been recorded recently from various localities in the provinces of Södermanland and Uppland, and from the island of Gotland (where *S. paedisca* also occurs). The possibility of a northward expansion trend is discussed.
- (14070) DE KNIJF, G. & A. ANSELIN, 2001. Libellen in Limburg: verandering in verspreiding en het belang voor Vlaanderen. – [Dragonflies in Limburg: changes in distribution and the importance of the province for the Flanders odonate diversity]. *Likona Jaarb.* 2000: 51-62. (Dutch). – (Inst. Natuurbehoud, Kliniekstraat 25, B-1070 Brussel). More than 9000 records are available for the prov. of Limburg, Belgium, close to 5400 of these for the period 1990-2000, covering 55 spp. Since 1990, 7 spp. were evidenced in the prov. for the first time, the records of 6 spp. significantly increased, while the abundance of 7 spp. has decreased. 58 spp. were so far recorded from Flanders, therefore the odon. fauna of Limburg is considered exceptionally rich; it includes also all the 21 in Flanders redlisted spp.
- (14071) DE SILVA WIJEYERATNE, G., 2001. Dragonflies and damselflies for beginners. *Sri Lanka Nature* 3(1): 20-24. – (Author's address not stated). Inspired by T. de Fonseca's book (cf. *OA* 13275), the Author makes an attempt to introduce the odon. to the Sri Lankan ornithologists. 15 col. portraits of the Ceylonese spp. are included.
- (14072) *DIGEST OF JAPANESE ODONATOLOGICAL SHORT COMMUNICATIONS*, No. 11 (Sept 2001). – Translated, compiled and produced by N. Ishizawa (1644-15, Yamaguchi, Tokorozawa, Saitama, 359-1145, JA). *Arai, Y.*: Does *Anotogaster sieboldii* like the air conditioner? (p. 1); – Hovering of mature male of *Gynacantha japonica* (p. 1); – *Tanaka, T.*: Migration in *Sympetrum frequens* Selys (pp. 2-8); – *Arai, Y.*: Observation on *Lestes temporalis* Selys ovipositing in the middle of the night (p. 8).
- (14073) DOLNY, A., E. TEPEROVA & K. VOLNA, 2001. Vážky (Odonata) na území NPR Rajviz: současný stav, změny v průběhu 20. století, ochrana a ohrožení. – Dragonflies (Odonata) of the Nature Reserve Rajviz: current state, changes during the 20th century, conservation. *Čas. slez. Muz. Opava* (A) 50 (Suppl.): 66-77. (Czech, with Engl. s.). – (Katedra Biol. & Ekol., Ostravské Univ., ul. 30-dubna 22, CZ-70103 Ostrava). The status of the fauna in 1929-1932, 1949, 1950-1956, 1992, and 1998-2000 is compared and discussed (total 27 spp.). *Aeshna subarctica*, *Somatochlora alpestris* and *Leucorrhinia dubia* are of particular interest.
- (14074) *DRAGONFLY NEWS*. The newsletter of the British Dragonfly Society (ISSN none), No. 40 (autumn 2001). – (c/o S. Henson, 10 Shotesham Rd, Poringland, Norwich, NR14 7LE, UK). *Henson, S.*: From the Editor (p. 1); – *Beynon, T.*: From the President's pond (pp. 2-3); – *Taylor, P.*: Conservation Officer launched! (p. 4); – *Murray, C.*: From the Conservation Officer (pp. 5-6); – *2001 Field Meetings round-up* (pp. 7-10); – *Hepper, D.*: [Obituary] Colonel E.D.V. Prendergast (p. 10); – *Smallshire, D.*: Threat to prime dragonfly site in Devon: update (pp. 10-11); – Surveillance monitoring of Southern Damselfly (p. 11); – Criteria for proof of breeding in dragonflies (p. 12); – *Miller, K.* et al.: Peter Miller's ponds (p. 12); – *Clarke, D.*: The first day in the life of a Southern Hawker (p. 13); – *Taylor, P.*: Mixed pairs (pp. 13-14); – *Smallshire, D.*: A warning for those "bitten by the bug"! (p. 14); – *Kriegel, P.*: Friendly dragonfly (p. 14; poem); – *Members' letters* (pp. 14-15); – *Noticeboard* (pp. 15-16); – *BDS business* (pp. 16-17); – *Recently published* (pp. 18-19); – *BDS catalogue 2001* (p. 20; items for sale).
- (14075) *EXUVIAE*. Journal of the Slovene Odonatological Society (ISSN 1218-3664), Vol. 8, No. 1 (dated

- Apr. 2001, mailed 8 Nov. 2001). (All papers in Engl., with Slovene s's). — (Orders outside Slovenia: c/o *Odonatologica*, P.O. Box 256, NL-3720 AG Bilthoven). Wildermuth, H.: Concealment of European *Somatochlora* larvae (Anisoptera: Corduliidae) (pp. 1-12); — Marinov, M.: Does *Coenagrion mercuriale* (Charpentier, 1840) occur in Bulgaria? (pp. 13-19). — (*Abstractor's Note*: Vol. 7, No. 2 was not published.)
- (14076) FERLETIČ, U., 2001. *Popis kačjih pastirjev (Odonata) na južni Primorski*. — [Dragonfly (*Odonata*) inventarisation in southern Littoral, Slovenia]. Student thesis, Dept Biol., Univ. Ljubljana. 8 pp. (Slovene). — (Marezige 1, SI-6273 Marezige). Records of 24 spp., with locality descriptions (20), and a brief discussion; — SW Slovenia.
- (14077) FLECK, G., A. NEL, G. BECHLY & X. MARTÍNEZ-DELCLÓS, 2001. Revision and phylogenetic affinities of the Jurassic Steleopteridae Handlirsch, 1906 (Odonata: Zygoptera). *Insect Syst. Evol.* 32(3): 285-305. — (First Author: Lab. Ent., Mus. Natn. Hist. Nat., 45 rue Buffon, F-75005 Paris). *Parasteleopter* gen. n., sp. n. and *Euparasteleopter* gen. n., sp. n. are described, the family is revised and its phylogenetic affinities are discussed. The Steleopteridae are removed from the Epiproctophora and transferred into the Zygoptera.
- (14078) FLECK, G., M. TAKAYASU, A. NEL & C. BRUNET, 2001. Notes sur les larves de la famille fossile Aeshnidiidae (Odonata, Anisoptera). *Bull. Soc. ent. Fr.* 106(4): 329-335. (With Engl. s.). — (First Author: Lab. Ent., Mus. Natn. Hist. Nat., 45 rue Buffon, F-75005 Paris). The aeshnidiid larvae have been recently identified on the basis of their wing venation. A specimen from the Mesozoic of China provides fresh information on pigmentation, leg claws, mask, epiproct, and on the variation in some proportions between penultimate and ultimate instars. The use of the aeshnidiid larval characters in phylogenetic studies is advocated.
- (14079) GRONERT, R., 2001. Libellen en vlinder-waarnemingen in het Windbreker-gebied, 10 juli-10 oktober. — [Dragonfly and Lepidoptera observations in the Windbreker area, 10 July-10 October]. *Windbreker* 141: 20-23. (Dutch). — (Plein 1945, No. 9, NL-1755 NH Petten). Records of 11 odon. spp., the Petten area, Noord Holland prov., the Netherlands; 2001.
- (14080) HARITONOV, A. Yu., 2001. Otryad strekozy-Odonata. In: *Krasnaya kniga Rossiyskoy Federacii (Zhivotnye)*, pp. 103-104, RAN, Astrel'. (Russ.). — (Inst. Anim. Syst. & Ecol., Russ. Acad. Sci., ul. Frunse 11, RUS-630091 Novosibirsk). The treatment of the taxa is identical to that in the *USSR Red Data Book* of 1984 (cf. OA 5090), but only *Anax* imperator is listed here.
- (14081) HARITONOV, A. Yu., 2001. Problema vida i vidoobrazovaniya v otryade strekoz, — [Species and speciation problems in the order Odonata]. In: *Evolucionnaya biologiya*, Vol. 1, pp. 303-308, Tomsk gos. Univ., Tomsk. (Russ.). — (Inst. Anim. Syst. & Ecol., Russ. Acad. Sci., ul. Frunse 11, RUS-630091 Novosibirsk). The convenience of the Order for speciation research is emphasized, various examples are presented, and some speciation problems in the palaearctic *Sympetrum* spp. are outlined in some detail.
- (14082) HATTO, Y., 2001. [Hope toriko culture to survive]. *Kochi Shimbun*, issue of 8 Oct., p. 16. (Jap.). — (4-17-19 Yakumo, Meguro-ku, Tokyo, 152-0023, JA). A regional daily's article on some highlights in Yuichi Hatto's *toriko* and *buri* activities. — For more information on his involvement with these Japanese traditional dragonfly catching techniques, see OA 13286.
- (14083) HEIKOOP, L. & J. KIEVIT, 2001. Libellen langs oevers in Gouda. — Dragonflies along natural and traditional banks [in the city of Gouda area, the Netherlands]. *Vlinders* 16(4): 22-24. (Dutch, with Engl. s.). — (Authors' addresses not stated). In 1993, the city authorities of Gouda decided for a nature-like management of water bodies in their area. Since 1998, odon. monitoring is systematically conducted. The policy and some of the results are outlined in the present paper.
- (14084) HIEMEYER, F., E. MILLER & J. MILLER, 2001. Winterbeobachtungen an *Sympetma paedisca* (Siberische Winterlibelle) Odonata: Lestidae. *Ber. naturw. Ver. Schwaben* 105: 126-137. — (Last 2 Authors: Leharstr. 6c, D-86179 Augsburg). The observations were carried out at 2 water bodies in Ostallgau, S Germany, Nov.-March 1999/2000 and Nov.-Feb. 2000/2001. At variance with the literature records, the adults hibernate in shore vegetation at their

- breeding site, either in vertical or (mostly) in horizontal position on *Carex elata*. Some individuals were exposed to sunshine, wind precipitation and snow, surviving the freezing and snow cover perfectly well. At temperatures above 0°C, the insects were moving and scratching in the snow, at 15°C they were taking to the wings. The respective photographic documentation is superb.
- (14085) HROKALO [=KHROKALO], L.A., 2001. Biotopichnyi rozpodil lichinok babok (Insecta: Odonata) deyakih regioniv Ukraini. — [Habitat affinities in dragonfly larvae (Insecta: Odonata) in some regions of the Ukraine]. *Uchen. Zap. tavr. nac. Univ. (Biol.)* 14(2): 183-186. (Ukrain.). — (Zool. Dept., Fac. Biol., Shevchenko Univ., Volodymyrska 64, UKR-01033 Kiev).
In 4 Ukrainian districts, 36 spp. were evidenced from samples taken (1999-2000) in 7 types of aquatic habitats. The fauna is listed and analysed.
- (14086) HUNGER, H. & W. ROSKE, 2001. Short-range dispersal of the Southern Damselfly (*Coenagrion mercuriale*, Odonata) defined experimentally using UV fluorescent ink. *Z. Ökol. NatSchutz* 9(4): 181-187. (With Germ. s.). — (First Author: INULA, Am Pfahlgraben 8, D-79276 Reute).
Using the capture-mark-retracking method, a population was studied in the area of Freiburg/Br., S Germany. The UV fluorescent ink made possible the retracking with a portable UV-lamp at night. Out of 395 marked individuals, 140 were resighted at least once. Initially, ♂ and ♀ recapture rates did not differ significantly, but later a higher percentage of ♂ ♂ was resighted. Only 11 individuals were tracked in sections different from the ones where they have been marked; a single individual moved to a different water body, at a distance of 300 m.
- (14087) HUTCHINSON, R., 2001. Les libellules dans les tourbières. *Nouv'Ailes* 11(2): 10. — (12 chemin de la Savane, app. 12, Gatineau, QC, J8T 1P7, CA).
The importance of distinguishing between the various, hydrologically and otherwise well-defined types of moors is emphasized, and some spp. that are characteristic for some of these in Quebec, Canada are stated.
- (14088) HUTCHINSON, R., 2001. Ponte de Lestes congener Hagen (Odonata: Zygoptera: Lestidae) sous l'eau le long d'une tige de préle (*Equisetum* sp.). *Nouv'Ailes* 11(2): 8. — (12 chemin de la Savane, app. 12, Gatineau, QC, J8T 1P7, CA).
An ovipositing (accompanied) ♀ *L. congener* descended along the *Equisetum* stem ca 5 cm below the surface, and remained submerged during ca 25 min.; — Saint-Alphonse, Quebec, Canada.
- (14089) JACOBUSSE, C. et al., [Eds], 2001. *Bijzondere planten en dieren in Zeeland*. — [Special plants and animals in Zeeland, the Netherlands]. Zeeuwse Landschap, Heinkenszand. 223 pp. ISBN 90-806370-1-7. (Dutch).
Includes a chapter on *Crocothemis erythraea* (pp. 183-185), with a review of its 1994-1999 occurrence in the province.
- (14090) JODICKE, R., 2001. Die Libellen der Diana-seen (Insecta: Odonata). *Drosera, Oldenburg* 2001(1/2): 117-125. (With Engl. s.). — (Grossenging 14, D-49699 Lindern).
Diana Lakes are part of the "Ahlhorner Fischteiche" nature reserve, nr Cloppenburg, Lower Saxony, Germany. During 1980-1999, 39 spp. were recorded. The records are listed and annotated, and the fauna is discussed.
- (14091) JONES, C.D., 2001. Ontario hosts the First Great Lakes Odonata Meeting. *Ontario Insects* 7(1): 22-23. — (Box 182, Lakefield, ON, K0L 1H0, CA).
From 3-6 July 2001, Ontario's Natural Heritage Information Centre hosted the meeting (Laurentian Lodge, Algoma distr.). 25 USA and Canadian workers participated. Some records are presented.
- (14092) JONES, C.D. & P. BURKE, 2001. Identification pitfalls: separating female Twelve-spotted Skimmer from female Common Whitetail. *Ontario Insects* 7(1): 5-7. — (First Author: Box 182, Lakefield, ON, K0L 1H0, CA).
Distinguishing features for the separation of *Libellula pulchella* and *L. lydia* are outlined in much detail.
- (14093) JURZITZA, G., 2001. *Libellengids: soorten van West- en Zuid-Europa*. Tirion, Baarn. 191 pp. Hardcover (11.0x18.5 cm). ISBN 90-5210-432-8 — (Price: • 22.64 net). (Dutch). — (Publishers: P.O. Box 309, NL-3740 AH Baarn).
This is the Dutch edn of the work described in OA 6282 and 13419, adapted for the use in the Netherlands by R. Ketelaar & I. Niemeijer.
- (14094) KEILER, J.-A. & D. KOVAC, 2001. Travertin-

insekten. *Natur Mus., Frankf.* 131(6): 195-197. — (c/o Senckenberg. Naturf. Ges., Senckenberganlage 25, D-60325 Frankfurt/Main).

Includes a brief description of a Thuringian travertine rock, with an odon. larva incrustation (age 130.000-110.000 B.C.).

- (14095) KETELAAR, R., 2001. De donkere waterjuffer, zeldzame verschijning in Nederland. — The Norfolk Damselfly still a rare sight in the Netherlands. *Vlinders* 16(4): 26-27. (Dutch, with Engl. s.). — (De Vlinderstichting, P.O. Box 506, NL-6700 AM Wageningen). In 1999, 45 yr after the last sighting, *Coenagrion armatum* was seen again in the Netherlands. The habitat is described. It seems the vegetation structure is of utmost importance. The forthcoming research on this sp. is outlined.

- (14096) KETELAAR, R., 2001. Referentieonderzoek donkere waterjuffer in Zweden en Noorwegen. — [Pilot inquire into ecology and habitat choice of *Coenagrion armatum* in Sweden and Norway]. *Vlinders* 16(3): 19. (Dutch). — (De Vlinderstichting, P.O. Box 506, NL-6700 AM Wageningen). A brief outline of the project, financed by the Prins Bernhard Fonds (the Netherlands), to be carried out by the Author. According to a preliminary impression, the sp. requires shallow, oligotrophic and non-acid waters, with drifting wood and a reasonably dense emergent vegetation.

- (14097) KOTARAC, M. & A. ŠALAMUN, 2001. Kačji pastirji (Odonata). In: K. Pobiljšaj et al., *Inventarizacija flore, habitatnih tipov in favne indikatorskih vrst na delu trase HC Razdrto-Vipava, ki poteka v območju Krajinskega parka Južni in zahodni obronki Nanosa*, pp. 84-88, CKFF, Miklavž-na-Dravskem-Polju. (Slovene). — (Zemljemerska 10, SI-1000 Ljubljana). The work largely deals with the Mlake area (cf. also OA 12031 & 13660), W Slovenia, where 32 odon. spp. are known now, of which the newly discovered *Cordulegaster heros* is of particular interest. In view of the melioration of various wetlands in the vicinity, the conservation of Mlake is of principal importance for the odon. diversity in the Vipava Valley. *Coenagrion ornatum* is given as an example.

- (14098) KOTARAC, M. & A. ŠALAMUN, 2001. Kačji pastirji (Odonata). In: K. Pobiljšaj et al., *PVO za 2. tir •elezniške proge Divača-Koper, odsek Črni kal-Koper in postaja Divača za področje favne, flore, vegetacije*

in habitatnih tipov, pp. 115-120, CKFF, Miklavž-na-Dravskem-Polju. (Slovene). — (Zemljemerska 10, SI-1000 Ljubljana).

21 odon. spp. were evidenced along the plotted railway, Koper-Divača, Slovenia. 4 of these are "vulnerable". No protective measures are required.

- (14099) KOTARAC, M. & A. ŠALAMUN, 2001. Kačji pastirji (Odonata). In: F. Rebeušek et al., *Poročilo o vplivih na okolje za lokacijski načrt ureditve reke Savinje na odseku: ovinek Marija Gradec vključno z ovinkom Udmat za habitatne tipe, rastlinstvo in živalstvo*, pp. 53-57, CKFF, Miklavž-na-Dravskem-Polju. (Slovene). — (Zemljemerska 10, SI-1000 Ljubljana).

From the Savinja R., section Marija Gradec-Udmat, Slovenia, only 4 odon. spp. are so far known. The projected embankment would inevitably destroy all odon. habitats, therefore some protective measures are suggested.

- (14100) KOVACS, T. & A. AMBRUS, 2001. Ephemeroptera, Odonata and Plecoptera larvae from the rivers of Rába and Lapincs (Hungary). *Folia hist. nat. Mus. matraensis* 25: 145-162. — (First Author: Mátra Mus., Kossuth u. 40, HU-3200 Gyöngyös). Locality data and collection dates are listed for *Calopteryx splendens*, *C. virgo*, *Platynemis pennipes*, *Ischnura elegans pontica*, *Gomphus vulgatissimus*, *Onychogomphus forcipatus*, *Ophiogomphus cecilia*, *Stylurus flavipes*, and *Libellula depressa*.

- (14101) KOVÁCS, T., P. JUHÁSZ & I. TURCSÁNYI, 2001. Ephemeroptera, Odonata and Plecoptera larvae from the river Tisza (1997-1999). *Folia hist. nat. Mus. matraensis* 25: 135-143. — (First Author: Mátra Mus., Kossuth u. 40, HU-3200 Gyöngyös). *Calopteryx splendens*, *Platynemis pennipes*, *Ischnura elegans pontica*, *Gomphus vulgatissimus*, *Onychogomphus forcipatus*, *Ophiogomphus cecilia*, and *Stylurus flavipes* are listed from the Hungarian section of the Tisza R. Precise locality data and collection dates are provided.

- (14102) ŁABEDZKI, A., 2001. Odonata-Ważki. In: J.M. Gutowski & B. Jaroszewicz, (Eds), *Catalogue of the fauna of Białowieża Primeval Forest*, pp. 88-91. Inst. Badaw. Leśnictwa, Warszawa. (Bilingual: Pol. & Engl.). (Kat. Ent. Lesnej, Akad. Rolnicza, ul. Wojska Polskiego 71 c, PO-60-625 Poznań). A commented list of 30 spp., from 25 localities; — E. Poland.

- (14103) **LEGRAND, J.**, 2001. *Malgassophebia mayanga* (Ris, 1909) et une nouvelle espèce du genre à Madagascar (Odonata, Anisoptera, Libellulidae). *Revue fr. Ent.* (N.S.) 23(4): 225-236. With Engl. s.). — (Lab. Ent., Mus. Natn. Hist. Nat., 45 rue Buffon, F-75005 Paris).
M. mayanga from Malgassy is redescribed; ♂, ♀ and ultimate instar larva are illustrated. *M. mediodentata* sp. n. is described and compared with the type sp. Holotype ♂, allotype ♀: Madagascar: 15 km E of Morarano, 7-XI-1998; deposited at MNHN, Paris. Some generic features are reconsidered.
- (14104) **La LETTRE DES SOCIÉTAIRES**, Société française d'odonatologie (ISSN 1260-0857), No. 25 (Oct. 2001), No. 26 (Dec. 2001). — (c/o J.-L. Dommanget, 7 rue Lamartine, F-78390 Bois-d'Arcy). [No. 25:] includes reports of the 2001 Plenary and Management Board Meetings, and a comprehensive review (by J.-L. Dommanget) of the first decade (1991-2000) of the SFO work. — [No. 26:] contains a Supplement, 'Liste de référence des odonates de France métropolitaine', by J.-L. Dommanget.
- (14105) **LIBELLENNACHRICHTEN**. Mitteilungsblatt der Gesellschaft deutschsprachiger Odonatologen (GdO) (ISSN 1437-5621), No. 6 (15 Sept. 2001). — (c/o Ms I. Schrimpf, Heimbühlstr. 32, D-72768 Reutlingen).
 16 pp., organized under the traditional headings. The issue includes the minutes of the 20th (2001) GdO Plenary Business Meeting (incl. the 2000 Balance Account), various notifications, publication reviews, and the reports of the 15th Int. Symp. Odonatol. (Novosibirsk) and the 2nd WDA Int. Symp. Odonatol. (Gällivare, Sweden), etc. Of interest is the ethnographic note by H. Hunger: Teufelsnadeln und Augenstecher weitherhin ungefährdet (pp. 12-13).
- (14106) **LIBELLULA**. Zeitschrift der Gesellschaft deutschsprachiger Odonatologen (GdO) (ISSN 0723-6514), Vol. 20, No. 1/2 (Oct. 2001). (With Engl. s's). — (c/o Ms I. Schrimpf, Heimbühlstr. 32, D-72768 Reutlingen).
Leipelt, K.G., C. Schütte & F. Suhling: Neue Daten zur Larvalökologie von *Macromia splendens* (Odonata: Macromiidae) (pp. 1-11); — *Jödicke, R.*: Saisonale Einnischung von *Paragomphus genei* in Tunesien (Odonata: Gomphidae) (pp. 13-22); — *Phoenix, J., P. Kneis & J. Zinke*: *Ophiogomphus cecilia* im sächsischen Abschnitt der Elbe (Odonata: Gomphidae) (pp. 23-32); — *Wildermuth, H. & S. Bauer*: Das Wurzelgeflecht schwimmender Seggenstöcke als Mikrohabitat von Libellenlarven (Odonata) (pp. 33-45); — *Baumann, K.*: Habitat und Vergesellschaftung von *Somatochlora alpestris* und *S. arctica* im Nationalpark Harz (Odonata: Corduliidae) (pp. 47-67); — *Müller, O. & B. Müller*: Armleuchteralgen als Substrat für Larven von *Onychogomphus f. forcipatus* (Odonata: Gomphidae) (pp. 69-78); — *Kunz, B. & D. Kunz*: *Lindenia tetrphylla*: Wiederfund für Afrika (Odonata: Gomphidae) (pp. 79-85); — *Mauersberger, H. & R. Mauersberger*: Hornisse *Vespa crabro* als Prädator von *Aeshna cyanea* (Hymenoptera: Vespidae; Odonata: Aeshnidae) (pp. 87-89); — *Knaus, P. & C. Vorbürger*: Neuer Fundort von *Sympetma paedisca* in der Ostschweiz (Odonata: Lestidae) (pp. 91-96); — *Wildermuth, H.*: Moostierchen und Zuckmücken als Epizoen von *Macromia amphigena* (Bryozoa: Plumatellidae; Diptera: Chironomidae; Odonata: Macromiidae) (pp. 97-102).
- (14107) **MALANGPO**. Newsletter of the Thai National Office of SIO, Bangkok (ISSN 1381-5345), No. 18 (Nov. 2001). — (Orders to the Eds of *Odonatologica*, P.O. Box 256, NL-3720 AG Bithoven).
Pinratana, A.: Editorial (p. 163); — *Dijkstra, K.-D.B. & V.J. Kalkman*: Orange and gold (pp. 164-166; checklist of 65 spp. from 7 Thai localities, incl. *Coeliccia* sp. n. from Khao Phanom Bencha); — *Yokoi, N.*: Studying dragonflies in central Laos (pp. 167-169; species list from 11 localities); — *Hämäläinen, M.*: Review of two recent Japanese papers on Thai dragonflies, with some additional notes (pp. 169-170); — *Thipaksorn, A., P. Kittayapong, J.R. Milne, V. Thirakupt, C. Sindhusake & S. Poonchaisri*: Additions to the distributions of rice field odonates in Thailand (pp. 171-174).
- (14108) **MARTINIA**. Revue scientifique de la Société française d'odonatologie (ISSN 0297-0902), Vol. 17, No. 3 (dated Sept. 2001, mailed Dec. 2001), Suppl. 2 (Nov. 2001), No. 4 (Dec. 2001). — (c/o J.-L. Dommanget, 7 rue Lamartine, F-78390 Bois-d'Arcy). [No. 3:] *Guerold, F., J.-P. Boudot & G. Jacquemin*: Première preuve de la reproduction d'*Aeshna affinis* Vander Linden, 1820 (Odonata, Anisoptera, Aeshnidae) et nouvelles observations d'odonates rares en Lorraine (pp. 77-87); — *Dommanget, J.-L. & S. Jolivet*: Découverte d'une petite population de *Coenagrion caerulescens* (Fonscolombe, 1838) dans le département de l'Aveyron (Odonata, Zygoptera, Coenagrionidae)

- (p. 88); — *Couteyen, S. & M. Papazian*: Contribution à la connaissance des odonates de l'île de la Réunion, 5: *Orthetrum stemmale* (Burmeister, 1839), une espèce redécouverte sur l'île (Odonata, Libellulidae) (pp. 89-90); — *Vanappelghem, C. & F. Weille*: Observations de *Leucorrhinia rubicunda* (L., 1758) dans le Nord-Pas-de-Calais en 2000 (Odonata, Anisoptera, Libellulidae) (pp. 91-94); — *Lett, J.-M.*: Première donnée de *Coenagrion ornatum* (Selys, 1850) dans la Région Centre, département du Cher (Odonata, Zygoptera, Coenagrionidae) (p. 94); — *Dommange, J.-L.*: Le point sur les connaissances relatives aux odonates du département de l'Aveyron (pp. 95-106); — *Grand, D., N. Greff & G. Delcourt*: *Leucorrhinia pectoralis* (Charpentier, 1825) nouveau pour le département du Rhône (pp. 107-109); — *Williamson, T. & F. Meurgey*: Microhabitats refuges pour les larves d'*Ischnura elegans* (Vander Linden, 1820) et *Platycnemis pennipes* (Pallas, 1771) (Odonata, Zygoptera, Platycnemididae et Coenagrionidae) (p. 110); — *Male-Malherbe, E. & M. Caupenne*: Le point sur six odonates remarquables de Brenne (département de l'Indre) (pp. 111-114); — *d'Aguilar, J.*: Les descriptions originales des odonates d'Europe, 8: Leach, William Elford (1790-1836) (pp. 115-118). — [Suppl. 2:] *Manach, A.*: Atlas préliminaire des odonates de Bretagne (pp. 1-60, col. pls 1-8 excl.). — [No. 4:] *Heidemann, H. & J.-L. Dommange*: In memoriam Herbert Wichmann, 1922-2000 (pp. 121-122); — *Lett, J.-M., R. Cloupeau, J.-L. Pratz & E. Male-Malherbe*: Liste commentée des odonates de la région Centre (départements du Cher, de l'Eure-et-Loir, de l'Indre, de l'Indre-et-Loire, du Loir-et-Cher et du Loiret) (pp. 123-168); — *Dommange, J.-L.*: Rubrique bibliographique (pp. 169-174).
- (14109) *MATERIAŁY ZJAZDOWE, 44 Zjazd Polskiego Towarzystwa Entomologicznego, Spała*. Pol. Tow. Ent., Poznań. [Abstracts only]. (Pol.). — (Germ. translations, by Dr P. Buczyński, are available from the Eds of *Odonatologica*). [Odonatol. papers:] *Bernard, R.*: Studies on odonate biology and distribution in the Department of General Zoology, A. Mickiewicz University, Poznań (pp. 20-21); — *Buczyński, P.*: The impact of intense agriculture on the Odonata: an example from the vicinity of Krzyczów, Wyżyna Lubelska Uplands (p. 22); — *Kowalczyk, J.K. & K. Szczepko*: Insect inventarisation in post-agricultural areas during the phase of restoration of natural conditions (p. 40); — *Kurzatowska, A., J. Pakulnicza & S. Czachorowski*: Entomological work in the Department of Ecology and Nature Conservation, Warmińsko-Mazurski University, Olsztyn (pp. 41-42); — *Kuśka, A.*: Non-professional entomology in the Upper Silesia (pp. 42-43); — *Łetowski, J.*: Current trends in the entomological research at the Department of Zoology, Maria Curie-Skłodowska University, Lublin (pp. 46-47); — *Napiórkowska-Kowalik, J. & J. Łetowski*: Current state of knowledge on the insect fauna of Lublin (pp. 50-51); — *Piotrowski, W.*: The state of insect exploration in the Poleskie National Park at the end of 2000 (pp. 54-55).
- (14110) *MATTILA, K.*, 2001. Hyönteistiedonannot 2000. — [Insect records 2000]. *Diamina* 10: 37-41. (Finn.). — (Lukonmäenkatu 18 B 13, FIN-33700 Tampere). Includes some Finnish records for 5 odon. spp. A ♀ *Aeshna viridis* was found lured into a moth light trap.
- (14111) *MAYER, G.*, 2001. Die Grüne Keiljungfer *Ophiogomphus cecilia* im Landkreis Aichach-Friedberg. *Ber. naturw. Ver. Schwaben* 105: 138-148. — (Am Harfenacker 10, D-86316 Friedberg). The past and present distribution of *O. cecilia* in Bavaria (Germany), and its current occurrence in Swabia (restricted to the Aichach-Friedberg distr.) are mapped. The appropriate habitat conservation measures in Swabia are suggested and outlined.
- (14112) *MERMOD-FRICKER, F.*, 2001. Bibliographie concernant la faune entomologique suisse, 1998. *Bull. romand Ent.* 19(1): 5-16. — (CSCF, Terreaux 14, CH-2000 Neuchâtel). Contains 6 odonatol. titles.
- (14113) *MOCEK, B. & M. MIKAT*, 2001. Druhý příspěvek k poznání fauny vážek (Odonata) přírodní památky "Na Plachtě" v Hradci Králové. — The second contribution to the knowledge of the dragonfly fauna (Odonata) in the Nature Monument "Na Plachtě", eastern Bohemia, Czech Republic. *Acta Mus. reginaehradecensis* (A) 28: 135-142. (Czech, with Engl. s.). — (First Author: Muz. východních Čech, Eliščino nábřeží 465, CZ-500 01 Hradec Králové). With reference to the work described in OA 11599, during 1997-2000 the number of thermophilous spp. has increased, while some psychrophilous taxa have disappeared. 5 spp. were added to the list, which now stands at 37 spp.
- (14114) *NEL, A., G. BECHLY & X. MARTÍNEZ-DELCLÓS*, 2001. A new fossil dragonfly from the Upper Jurassic in Germany (Odonata, Anisoptera,

- Protolindeniidae). *Revue fr. Ent.* (N.S.) 23(4): 257-261. (With Fr. s.). — (First Author: Lab. Ent., Mus. Natn. Hist. Nat., 45 rue Buffon, F-75005 Paris).
 Protolindenia vohly sp. n. is described and illustrated from Lower Tithonian (Hybonotum Zone), Solnhofen Lithographic Limestone of Frankonian Alb, Bavaria. Holotype (imprint and counterimprint) and paratype (distal part of a hindwing) are deposited in MNHN, Paris (MNHN-LP-R. 55238) and in Jura. Mus. (SOS 1693), resp.
- (14115) NIEUWSBRIEF VAN DE NEDERLANDSE VERENIGING VOOR LIBELLENSTUDIE (ISSN 1387-4470), Vol. 5, No. 2 (1 June 2001), No. 3 (Sept. 2001), (Dutch). — (c/o M. Wasscher, Minstraat 15bis, NL-3582 CA Utrecht).
 [Scientific notes:] [No. 2:] Goudsmids, K.: Changes in dragonfly fauna of the Pluismeer nr Baarn (pp. 6-7); — Dingemanse, N.: Regional variation in the occurrence of colour forms in *Ceragrion tenellum* (pp. 8-9); — Wasscher, M., F. Bos & R. Ketelaar: A suggestion for some additional Dutch vernacular names for S European dragonflies (p. 9); — van Trigt, T. & V. Kalkman: Towards and exchange-office for exuviae of the Western Palearctic (pp. 10-11; Engl.). — [No. 3:] Niesen, H.: An aberrant *Ischnura elegans* ♂ (p. 6); — Schuurmans, M.: *Onychogomphus forcipatus* nr Maastricht (p. 6); — Luijten, L.: *Erythromma viridulum* at Rottumeroog (p. 6); — van der Burg, E.: Records from the Roer (p. 6); — Anonymous: Jean Belle deceased (p. 7).
- (14116) POBOLJŠAJ, K., 2001. *Poročilo o vplivih na okolje za odlagališče komunalnih odpadkov Mislinjska Dobrava za področje favne, flore in habitatnih tipov.* — [Assessment of environmental impact on fauna, flora and habitat types by the Mislinjska Dobrava communal waste dump]. CKFF, Miklavž-na-Dravskem-Polju. 18 pp. (Slovene). — Zemljemerska 10, SI-1000 Ljubljana). 4 odon. spp. are recorded from a stream and marsh in the area; — Slovenia.
- (14117) POPOVA, O.N., 2001. Vliyanie klimata na rasselenie i periody lyota strekoz roda *Sympetrum*. — [The impact of climate on the distribution and adult phenology of the *Sympetrum* dragonflies]. *Vest. chelyabinsk. gos. pedagog. Univ.* (X) 2001(2): 24-33. (Russ.). — (Inst. Anim. Syst. & Ecol., Russ. Acad. Sci., ul. Frunse 11, RUS-630091 Novosibirsk).
 A splendid review, deals with the European and Siberian spp. of the genus.
- (14118) PRASAD, M., 2001. Record of a damselfly *Aciaagrion occidentale* (Odonata: Coenagrionidae) from Lakshadweep and Minicoy islands, India. *Bionotes* 3(3): 70. — (Zool. Surv. India, 'M' Block, New Alipore, Calcutta-700053, India).
 No other odon. spp. were so far recorded from the 2 islands, Arabian Sea.
- (14119) PURDON, C., 2001. Results of the Lake Dore odonate count. *Ontario Insects* 7(1): 20-21. — (c/o C.D. Jones, Box 182, Lakefield, ON, K0L 2H0, CA).
 A checklist of 46 spp., evidenced in a single day in 2001 (date not stated). The lists for 1998-2000 are also presented; — Ontario, Canada.
- (14120) REJL, J., 2001. Vážky (Odonata) NPR Bohdanečský rybník a rybník Matka. — The dragonflies (Odonata) of the National Nature Reserve "Bohdanečský rybník a rybník Matka", eastern Bohemia. *Acta Mus. reginaehradecensis* (A) 28: 129-134. (Czech, with Engl. s.). — (Agentura ochrany přírody, Boženy Němcove 2625, CZ-530 02 Pardubice).
 34 spp. were recorded during 1998-2000, incl. *Anax parthenope* and *Sympetrum fonscolombii*, which are new for E Bohemia.
- (14121) ROLFF, J., C. VOGEL & H.-J. POETHKE, 2001. Co-evolution between ectoparasites and their insect hosts: a simulation study of a damselfly-water mite interaction. *Ecol. Ent.* 26(6): 638-645. — (First Author: Dept Anim. & Plant Sci., Univ. Sheffield, Sheffield, S10 2TN, UK).
 A simulation model investigating the co-evolution of water mites infesting their aquatic insect hosts during emergence is presented. The model is based on field and experimental studies of the ectoparasitic water mite *Arrenurus cuspidator* and the damselfly *Coenagrion puella*. — 3 scenarios were studied: (1) only the host was allowed to evolve timing of emergence, while the timing of the parasites' infestation opportunity was held constant, (2) both host and parasite were allowed to evolve, (3) only the parasite's timing was allowed to evolve, while the host was constrained completely. — In the first 2 scenarios, parasite abundances decreased in the course of evolution and reached values well below those found in the field, whereas in the third scenario, parasite abundances were maintained at a level close to that found in the field. In the second scenario (co-evolution), the host seemed to be the leader in the evolutionary race. — It is concluded that water mite

parasitism is capable of shaping emergence patterns in aquatic insects and, despite the same life-cycle length for host and parasite, the parasite evolves fast enough to shape its hatching pattern to match the emergence pattern of its host.

- (14122) ROSS, S., 2001. *The natural history of Mecosta county, Michigan*. Wood Turtle Publs, Rodney/MI. vi+278 pp. Softcover (21.5x27.8 cm). ISBN 0-9709389-0-X. — Price: US \$ ca 40.- net (non-residents). — (Publishers: 16809th Ave, Rodney, MI 49342-9706, USA).

An exhaustive homestead monograph, based on 30 yr of field work. It also covers 93 odon. spp., with field notes, statements on the local status of each sp., adult phenology graphs, etc.

- (14123) SEIDENBUSCH, R., 2001. Die Gefährdung der Libellen im Landkreis Amberg-Sulzbach. *Eisengau* 16: 5-16. — (Klenze-Str. 5, D-92237 Sulzbach-Rosenberg). 53 spp. of the Amberg-Sulzbach distr., Bavaria, Germany are checklisted, and the status of the various aquatic habitats in the region is outlined.

- (14124) SHERRATT, T.N. & M.R. FORBES, 2001. Sexual differences in coloration of coenagrionid damselflies (Odonata): a case of intraspecific aposematism? *Anim. Behav.* 62(4): 653-660. — (First Author: Dept Biol. Sci, Univ. Durham, South Rd, Durham, DH1 3LE, UK).

Sexual dimorphism is commonly explained as a consequence of selection on traits that increase ♂ attractiveness to ♀♀, or simply allow ♂♂ greater access to ♀♀. Here, another explanation for sexual differences in coloration within coenagrionid spp. is considered. In many of these, ♂♂ are more brightly coloured than ♀♀ and have different patterns. Yet they are nonterritorial and do not engage in displays: indeed, ♂ competition for mates often resembles a scramble. It is, therefore, argued that even if ♀♀ show a degree of mate choice, then it is unlikely to be based on colour or pattern. Instead, it is suggested that sexual dimorphism has evolved in this group primarily as a form of sex-related warning coloration. First, it is argued that it is almost inevitable that ♂♂ interactions will incur a small cost to both participants. The Authors then provide some evidence that ♂♂ are capable of using colour as a clue to sexual identity. Using a simple model, they show that if these conditions hold, then sexual dimorphism will readily evolve. Furthermore, the model shows that if ♀♀ are selected to avoid

excessive harassment by ♂♂ as is often suggested, then ♂♂ should evolve much brighter coloration than ♀♀. If the assumptions underlying the 'unprofitable mate' model are broadly correct, then not only does it offer a novel explanation for sexual dimorphism, but it also provides the first case example of the evolution of aposematism as a result of intraspecific interactions.

- (14125) SHVARCEV, G., 2001. Letayushchie drakony. — [Flying dragons]. *Sibirskiy Vypusk Vek* 2001(32): 11; issue of 17 August. (Russian).

A comprehensive article, in a Siberian weekly, on dragonfly research and in the World, published on the occasion of the 15th Int. Symp. Odonatol. (Novosibirsk, 9-19 July 2001). See also OA 14060.

- (14126) SILSBY, J., 2001. *Dragonflies of the world*. CSIRO Publishing, Collingwood/VIC. viii+216 pp., 340 col. figs incl. Hardcover (23.0x26.0 cm). ISBN 0-643-06512-1. — Price: AU\$ 59.95, plus postage: AU\$ 9.- (Australia), AU\$ 20.- (all other countries). — (Publishers: P.O. Box 1139, Collingwood, VIC 3066, AU). An attractive general book on dragonflies, unique in its approach and almost so in its scope. The text was partly contributed by, partly prepared in collaboration with some distinguished odonatologists of the world. The main chapter titles are: "Introduction" (pp. 1-6), "Today's Odonata" (pp. 7-12), "Life cycle" (pp. 13-30), "The perfect hunting machine" (pp. 31-42), "Lords of the air" (by G. Ruppell, pp. 43-48), "Colour and polymorphism" (by P. Miller, pp. 49-54), "Territory and reproduction" (pp. 55-64), "Habitats and refugia" (pp. 65-70), "Odonata around the world" (pp. 71-184), "Evolutionary riddles" (by J. Trueman, pp. 185-190), "Artificial rearing" (by S. Butler, pp. 191-194), and "Conservation" (by N. Moore, pp. 195-198). Some parts of the text were contributed also by N. Donnelly, S. Dunkle, R. Garrison, V. McMillan, I. Meskin, M. Samways, G. Vick, and K. Wilson (most initials incomplete, as stated in the book). The selection of species portraits, covering ca 300 spp., mostly in their natural setting, and contributed by 27 workers, is well balanced both geographically and taxonomically. After R.J. Tillyard's *The biology of dragonflies* (1917), this is the first Engl. book presenting (in this case a balanced selection of many of) the general biological features of the Order. It is easily legible. Apparently directed in the first place at non-professionals, a professional specialist, too, will experience it as a useful and pleasant reading.

- (14127) **SIOJA**. [Information bulletin of the SIO Japan Branch Office], 2001, No. 1 (3 Feb.), No. 2 (1 Sept.). (Jap.). — (c/o K. Inoue, 5-9, Fuminosato 4-chome, Abeno-ku, Osaka, 545-0004, JA).
[No. 1:] Last-minute information on the 15th Int. Symp. Odonatol., Novosibirsk; and some internal management communications. — [No. 2:] Report on the 15th Int. Symp. Odonatol.; Obituary notice for Prof. Dr H.-f. Chao; and information on the forthcoming *Odonatologica* tribute issues.
- (14128) **SITAR, S.**, 2001. Sloveneti so bili tu že v prazgodovini! — [Slovenets (direct ancestors of the modern Slovenians) were here (in the territory of the present Slovenia) already in prehistoric times!] *Vzajemnost* 2001(11): 38-39. (Slovene). — (Štihova 15, SI-1000 Ljubljana).
A concise review of the proceedings of the 1st Int. Conf. on the role of Venets in ethnogenesis of central Europe (Ljubljana-Ptuj, Sept. 2001). A reference is made to the distribution of dragonfly folk appellations with an association to the snake, which coincides with the distribution of the Venetic Urnfield culture (cf. *OA* 10630, 13964), with the 5/8 measure and some other ancient peculiarities in folk music, and with that of some genetically fixed human somatic features in central Europe.
- (14129) **SMEENK, H.**, 2001. Libellenportret: de bosbeekjuffer. — [Dragonfly portrait: *Calopteryx virgo*]. *Vlinders* 16(4): 31. (Dutch). — (Author's address not stated).
General, with a phot., and with reference to its occurrence in the Geul and the Dommel rivers, the Netherlands.
- (14130) **SMIT, J. et al.**, [Eds], 2001. *Stikke Trui*. Insektenwerkgroep KNNV, Arnhem. 184 pp. ISBN none. (Dutch). — (Orders to: J. Smit, Plattenburgerweg 7, NL-6824 ER Arnhem).
This is a report on the 1990-1998 studies of insect fauna of "Stikke Trui", a locality E of Arnhem, the Netherlands. The odon. fauna (23 spp.) is analysed on pp. 19-25.
- (14131) **SULZBACH-ROSENBERGER LIBELLEN-RUNDBRIEFE** (ISSN none), No. 12 (Nov. 2001). — Price: • 8.- net + postage. — (c/o R. Seidenbusch, Klenze Str. 5, D-92237 Sulzbach-Rosenberg).
The issue (60 pp., not paginated) presents a detailed account, by *R. Seidenbusch* (in Engl.), of his 2000 and 2001 field trips to S Turkey, incl. habitat descriptions, spp. list, larvae descriptions of *Ceragriion georgufreyi*, *Coenagriion syriacum*, *Onychogomphus macrodon*, *Ladona pontica*, etc., a key to W Palearctic *Onychogomphus* spp., biological and other notes on various spp., etc.
- (14132) **TAYLOR, G.K.**, 2001. Mechanics and aerodynamics of insect flight control. *Biol. Rev.* 76(4): 449-471. — Dept Zool., Univ. Oxford, South Parks Rd, Oxford, OX1 3PS, UK).
A qualitative analysis of insect flight control is presented from the perspective of flight mechanics, drawing upon both the neurophysiology and biomechanics literatures. The emphasis is on Orthoptera and Diptera, but the situation in *Calopteryx splendens*, *Anax parthenope* and *Orthetrum cancellatum* is also outlined.
- (14133) **VAN SWAAY, C., R. KETELAAR & D. GROENENDIJK**, 2001. Dagvlinders en libellen onder de meetlat. — [Butterfly and dragonfly monitoring in the Netherlands]. *Vlinders* 16(3): 4-5. (Dutch). — (Second Author: De Vlinderstichting, P.O. Box 506, NL-6700 AM Wageningen).
A brief general report on the 2000 results, with special reference to the Gouda area. — For the 1998 & 1999 reports, see *OA* 12595 and 13322, resp. Vernacular names are used only.
- (14134) **VALTONEN, P.**, 2001. Sympetrum sanguineum sudenkorento Pirkkanmaan liepeillä. — [Sympetrum sanguineum recorded near Pirkkanmaa]. *Diamina* 10: 28-29. (Finn.). — (Kaukolankuja 2, FIN-33820 Kangasala).
Records a ♂, likely a migrant from E, found in Ta: Hauho, 18-VII-1999. In Finland, this sp. occurs regularly only in the Åland Isls. A few obvious migrants were recorded in E Finland in 1970 (see *OA* 577).
- (14135) **VINGERHOEDS, L., H. BLAAUW, T. LITJENS & J. FENS**, 2001. *Libellen inventarisatie in natuurgebieden in de omgeving rond Breda*. — [Dragonfly inventarisatie in nature reserves in the vicinity of the city of Breda]. Insektenwerkgroep KNNV, Breda. 22 pp., maps & graphs incl. (Dutch). — (First Author: Joris Helleputtestraat 20, NL-4827 CA Breda).
A detailed report on the 2001 monitoring in 4 areas, Noord Brabant prov., the Netherlands. Vernacular nomenclature.

- (14136) VIZSLÁN, T. & B. PINGITZER, 2001. Adatok a Bükk-vidék és Miskolc környékének Odonata faunájához. — Data on the odonate fauna of Bükk Mountains and Miskolc. *Folia hist. nat. Mus. matraensis* 25: 121-126. (Hung., with Engl. s.). — (Szent Mihály u. 9, HU-9400 Sopron). 40 spp., evidenced during 1999-2000, are listed along with the locality data and collection dates.
- (14137) VIZSLÁN, T. & B. PINGITZER, 2001. Adatok a Dunántúli Odonata faunájához, 2. — Data on the odonate fauna of Transdanubia, 2. *Folia hist. nat. Mus. matraensis* 25: 127-134. (Hung., with Engl. s.). — (Szent Mihály u. 9, HU-9400 Sopron). 40 spp., evidenced in 2000, are listed along with the locality data and collection dates.
- (14138) WEEKERS, P.H.H., J.F. DE JONCKHEERE & H.J. DUMONT, 2001. Phylogenetic relationships inferred from ribosomal ITS sequences and biogeographic patterns in representatives of the genus Calopteryx (Insecta: Odonata) of the West Mediterranean and adjacent West European zone. *Mol. Phylogen. Evol.* 20(1): 89-99. — (Third Author: Inst. Anim. Ecol., Univ. Ghent, Ledeganckstraat 35, B-9000 Gent).
W Europe is a reinvasion zone for the riverine Calopteryx. Reinvasion may have been from central W Asia or from the W Mediterranean refugium. Phylogenetic relationships of W Mediterranean and W European taxa of the genus from different localities were inferred from sequences of the internal transcribed spacers (ITS1 and ITS2) of the nuclear ribosomal RNA genes. 26 taxa belonging to the species groups *C. splendens*, *C. meridionalis*, *C. haemorrhoidalis*, *C. virgo*, *C. xanthostoma*, and *C. exul* were analyzed, with 2 N American spp., *C. amata* and *C. aequabilis*, as outgroup. Sequence data and phylogenetic analyses were used to infer biogeographical patterns. The ribosomal spacers (ITS1 and ITS2) and the intervening 5.8S rDNA gene were amplified by PCR and sequenced. The ITS2 sequences of the W Mediterranean and W European calopterygids show no length variation but the ITS1 region was slightly variable in length. The sequence variation for ITS1 and ITS2 regions between different W Mediterranean and W European calopterygids was 14.5 and 6.1%, respectively. Phylogenetic relationships inferred from ITS sequences only partly confirm morphological data. A monophyletic origin of all W Mediterranean and W European spp. emerged. They are separated into 2 main clades; the splendens-like forms and the virgo/meridionalis/haemorrhoidalis group. Intraspecific variability, indicating different stages of speciation, was detected only in W Mediterranean representatives (e.g. *C. xanthostoma*) but not in invasive representatives in W Europe. The N African endemic *C. exul* is more closely related to the Italian *C. s. caprai* than to *C. splendens* s.s. Based on the present information, Cretan populations are the only splendens-like taxa in addition to *C. s. caprai* that deserve subspecies status.
- (14139) WENDZONKA, J., 2001. Ważki (Odonata) okolic Gostynia (południowa Wielkopolska). — Dragonflies (Odonata) of Gostyn and its environs (southern Wielkopolska). *Badan. fizjogr. Pol. zachod. (C)* 48: 29-39. (Pol., with Engl. s.). — (Zakład Ekol., Akad. Bydgoska, ul. Chodkiewicza 51, PO-85-667 Bydgoszcz) 44 spp., recorded during 1995-2000, are checklisted along with detailed discussions on some of them. *Aeshna* affinis and *Orthetrum albistylum* are regionally noteworthy.
- (14140) WILLIAMSONIA. A newsletter of the Michigan Odonata Survey. ISSN none. Vol. 5, No. 4 (received 10 Nov. 2001). — (c/o Dr M.F. O'Brien, Insect Div., Mus. Zool., Univ. Michigan, 1109 Gaddes Ave, Ann Arbor, MI 48100-1079, USA).
Ross, S.: Surveying the western U[pper] P[enninsula] in the Ottawa National Forest (pp. 1-2); — *O'Brien, M.*: MOS updates (pp. 2-3); — Late summer in the Huron Mountains (pp. 3-4); — *Craves, J.A.*: Notable new dragonfly records (pp. 5-6); — *O'Brien, M.*: *Somatochlora tenebrosa* at Ives Road Fen (pp. 7-8); — *New publications* of Great Lakes interest (p. 8); — *Chriscinske, M.*: Zebra mussels observed in dragonfly larvae in Otter Lake (p. 9); — *New book alert* (p. 10); — *Jones, C.D.*: Ontario hosts the First Great Lakes Odonata Meeting (pp. 10-11).
- (14141) WRIGHT, S., 2001. Some significant Odonata records for Nottinghamshire: 1999. *J. Derbyshire Notts. ent. Soc.* 144: 11-13. — (Author's address not stated). An annotated checklist is presented of the 22 spp. so far recorded in Nottinghamshire, UK, and the noteworthy 1999 records are emphasised.
- (14142) YANG, Z.-d. & H.-q. ZHU, 2001. A new species of the genus *Lamelligomphus* (Odonata: Gomphidae) from Shaanxi province. *Entomotaxonomia* 23(3): 157-159. (Chin., with Engl. s.). — (First Author: Adult Educ. Dept, Hanzhong Normal Coll., Hanzhong,

Shaanxi-723001, China).

L. hanzhongensis sp. n. is described, illustrated and differentiated from *L. formosanus* (Matsumura). In Eng. abstract, data on the holotype are omitted; it is deposited at Shanxi Univ., Taiyuan.

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- (14143) *AGRION, PURLEY*. Newsletter of the World-wide Dragonfly Association (ISSN 1476-2552), Vol. 6, No. 1 (Jan. 2002). — (c/o J. Silsby, 37, Astoria House, 116 High St., Purley, Surrey, CR8 2XT, UK).

With the present issue, the Eds reverted to the original title (cf. OA 12472) and acquired a new ISSN No. — [Signed articles:] *Corbet, P.*: Message from the President (p. 1); — *Corbet, P. & M. May*: The Second WDA International Symposium of Odonatology (pp. 3-4); — *Yingling, B. & J. Silsby*: A social look at the Symposium (pp. 4-5); — *Sasamoto, A.*: The Symposium through Japanese eyes (pp. 5-6); — *Ketelaar, R.*: Networking for the conservation of dragonflies (p. 8); — *Vick, G.*: *Anax parthenope* in St Helena (pp. 8-9); — *Hartung, M.*: Some activities in New Guinea (p. 9); — *Corbet, P.*: Reprint of Corbet's 1999 book on dragonflies (p. 10). — The issue also includes minutes of the 2001 WDA General Meeting, some minor personal notes, announcements, and 2 book reviews.

- (14144) *ARGIA*. The news journal of the Dragonfly Society of the Americas (ISSN 1061-8503), Vol. 13, No. 4 (5 Jan. 2002). — (c/o Dr & Mrs T.W. Donnelly, 2091 Partridge Lane, Binghamton, NY 13903, USA). [Signed articles:] *Inoue, K.*: Report of the 15th International Symposium of Odonatology held in Novosibirsk, Russia (pp. 3-4); — *McMillan, V.*: 2nd WDA International Symposium of Odonatology, July 22-27, 2001 (pp. 4-5); — *Hutchings, G.*: Three new species of Odonata for Saskatchewan, Canada (pp. 5-7); — *Calling, P.M. & V.R. Brownell*: Large numbers of *Aeshna interrupta* in southeastern Saskatchewan (p. 7); — *Beckemeyer, R.*: Some Great Plains Odonata records for 2000 and 2001 (pp. 7-8); — *Bocanegra, O.R.*: First record of *Somatochlora tenebrosa* for Texas (p. 8); — *Behrstock, B. & S. Prasad*: Odonate species observed at Ft Clark Springs, Brackettville, Kinney Co., TX: 7/8 Sept. 2001 (pp. 8-9); — *Beckemeyer, R.*: Dragonflies in the land of the Incas (pp. 9-11); — *Sprandel, G.*: Florida migration tales (pp. 11-12); — *J.M. RamosHernández*: Notes on the feeding of three species of odonates of the suborder Zygoptera in central Cuba (pp. 13-14); — *Pfeiffer, B.*: Interesting encounter between *Dromogomphus* and *Sympetrum* (p. 14); —

Honig, B.: Myth of the fishless pond (pp. 14-15); — *Pfeiffer, B.*: Vermont ODE Study Group (pp. 15-16); — *Book reviews* (pp. 17-19, by N. Donnelly); — *Obituaries* for Jean Belle (1920-2001) and Pastor Alayo D. (1916-2001) (p. 19, *anonymous*); — The "Tramea" web review was provided by N. Donnelly (p. 20).

- (14145) *ATROPOS*, No. 15 (Jan. 2002) ISSN none. — (c/o M. Tunmore, 36 Tinker Lane, Meltham, Holmfirth, W Yorks, HD9 4EX, UK).

[Odon. articles:] *Cham, S.*: The range expansion of Small Red-eyed Damselfly *Erythromma viridulum* (Charp.) in the British Isles (pp. 3-9); — *Long, R.*: Southern Skimmer *Orthetrum brunneum* (Fonsc.) on Guernsey (p. 10); — *Parr, A.*: Migrant dragonflies in 2001, including recent decisions and comments by the Odonata Records Committee (pp. 31-35). — *Reports* from coastal stations, 2002: *Tunmore, M.*: The Lizard, Cornwall (pp. 30-32); — *Knill-Jones, S.*: Isle of Wight (pp. 54-55); — *Patton, S.*: Selsey peninsula, West Sussex (pp. 55-56); — *Trouke, P.*: Rye Harbour SSSI, East Sussex (pp. 56-58); — *Hunter, I.*: Elms Farm, Icklesham, East Sussex (pp. 58-59); — *Clancy, S.*: Dungeness area, Kent (pp. 59-60); — *Dewick, S.*: Bradwell-on-Sea, Essex (pp. 61-62); — *Parfitt, A.*: Minsmere RSPB Nature Reserve, Suffolk (p. 64); — *Bowman, N.*: Eccles-on-Sea, Norfolk (pp. 64-65); — *Wilson, K.*: Gibraltar Point, NNR, Lincolnshire (p. 65); — *Spence, B.*: Spurn NNR, East Yorkshire (pp. 66-67); — *Stansfield, S.*: Bardsey Island (pp. 68-69). — [Book review] *Tunmore, M.*: Dragonflies through binoculars, by S.W. Dunkle (pp. 73-74). — *Barn, M. & S. Green*: Blue Southern Hawker *Aeshna cyanea* in Worcestershire (pp. 74-75); — *Cheverton, J.*: Emperor *Anax imperator* predating Brimstone *Gonepteryx rhamni* (p. 75); — *Telfer, M.*: Insects at sea (pp. 83-84).

- (14146) *AUSTROLESTES*. Newsletter of the Australian Dragonfly Society, No. 1 (summer 2000/2001), No. 2 (spring 2001), No. 3 (summer 2001/2002), No. 4 (autumn 2002; mailed 12 March 2002). — (c/o D. Reeves, 30 Bramston Terrace, Herston, Qld 4006, AU). The Australian Dragonfly Society was founded in March 1999 (foundation President: D. Reeves). The first issue of the newsletter has appeared 9 months after that date, with the objective to serve as a vehicle for educational information, helping the study and preservation of dragonflies. — The first 4 issues (4 pp. each) are bringing various information items on dragonflies and on the Society's life; 3 topics appear to have become a standard feature of the newsletter, viz. a descriptive "portrait" of a selected sp., listing of

current Australian odonotol. publications, and book reviews of Australian or generally interesting odonotol. works. No. 4 has a Supplement, *Hawking, J.H. & G. Theischinger*: Vernacular names for the Australian dragonflies (Odonata) (pp. 1-6). — The newsletter certainly is a valuable and most welcome addition in the world of odonotol. periodicals.

- (14147) BERNARD, R., 2002. First records of *Aeshna crenata* Hagen, 1856 in Lithuania, with selected aspects of its biology (Odonata: Aeshnidae). *Opusc. zool. flumin.* 202: 1-21. — (Dept Gen. Biol., A Mickiewicz Univ., Fredry 10, PO-61-701 Poznan).

The Lithuanian records (6 localities) have significantly broadened the known range of the sp. to the SW. Its habitat is characterized. The size of individuals and the thoracic pattern are briefly described. Some aspects of the emergence are presented. The behaviour of territorial ♂♂ and ovipositing ♀♀ is described. The coexistence with other aeshnids is briefly analysed, with reference to spatial segregation between *A. crenata* and *A. juncea* / *A. subarctica elisabethae*.

- (14148) CROWLEY, P.H. & F. JOHANSSON, 2002. Sexual dimorphism in Odonata: age, size, and sex ratio at emergence. *Oikos* 96(2): 364-378. — (Second Author: Dept Ecol. & Envir. Sci., Umeå Univ., S-90187 Umeå).

♂♂ and ♀♀ of many organisms differ in important life history and behavioural characters. Following a recent optimization analysis of sexually dimorphic life histories, an odon.-like parameter set is employed to identify patterns of life history and behaviour, as expected in an odon. population. The default parameter magnitudes generated a smaller body size and shorter development time for ♂♂ than for ♀♀, which resulted in a ♂-biased sex ratio. Whether population growth was density dependent or density independent, and whether development time was fixed or flexible had major impacts on life history features. The model generated 5 general predictions for odon. systems. (1) For spp. with fixed development times, ♂♂ and ♀♀ should differ more in activity level, growth and mortality rates than for spp. with flexible life cycles. (2) In spp. with fixed development times, populations at high latitude or high altitude should be more active, emerge and reproduce at smaller size and have a more ♂-biased sex ratio than low latitude and low altitude populations. (3) In density-dependent populations, with density dependence mediated

by activity-dependent mortality, higher predation rates should increase activity levels and reduce development time in spp. with flexible development times. (4) For spp. with flexible development times, in strongly density-dependent populations with density dependence mediated by mortality, activity levels should decrease and development times should increase at high prey abundance. (5) ♂♂ should be larger at emergence relative to ♀♀, and the sex ratio at emergence should be more ♀-biased in territorial than in non-territorial spp. Existing empirical evidence concerning these predictions is generally sparse and equivocal: focused tests are clearly needed.

- (14149) *DIGEST OF JAPANESE ODONATOLOGICAL SHORT COMMUNICATIONS*, No. 12 (Feb. 2002). — Translated, edited and produced by N. Ishizawa (1644-15, Yamaguchi, Tokorozawa, Saitama, 359-1145, JA).

Ishikawa, H.: An observation of abnormal tandem formation in *Orthetrum albistylum speciosum* (p. 1); — *Naraoka, H.*: On the *Forcipomyia* (*Pterobosca*) *tokunagai* Oka & Asahina (Diptera: Ceratopogonidae) (pp. 1-4); — *Kano, K.*: Morning and evening swarms in *Chlorogomphus b. brunneus* Oguma near the seashore (p. 5); — *Kano, K. & T. Miyahata*: Evening foraging and thermal behavior in a male of *Trithemis aurora* (Burmeister) (p. 5); — *Kano, K.*: Dragonflies prey on cicadas, *Moganmia minuta* Matsumura (p. 6); — Dragonflies preserved in amber (pp. 6-7); — *Ishizawa, N.*: Capture of a female *Sympetrum frequens* Selys with highly reflective wings (p. 8).

- (14150) HÄMÄLÄINEN, M., 2002. *Idionyx iida* spec. nov. from Kanchanaburi, Thailand (Odonata: Corduliidae). *Opusc. zool. flumin.* 203: 1-4. — (Sunankallontie 13, FIN-02760 Espoo).

The new sp. (holotype ♂: Thailand, Kanchanaburi prov., Kroeng Kra Via, 5-IV-2001; deposited in RMNH, Leiden) is described and illustrated. The diversity of the genus in Thailand is briefly discussed.

- (14151) *ODONATOLOGICAL ABSTRACT SERVICE* (ISSN 1438-0269), No. 9 (Jan. 2002). — (c/o Dr M. Lindeboom, Landhausstr. 10, D-72074 Tübingen & M. Schorr, Schulstr. 7 B, D-54314 Zerf).

Abstracts Nos 1984-2214, on 40 pp., related to the works published in 1997-2001. — *Note*: The consecutive numbering of the entries is erroneous: in No. 8 (July 2001) have already appeared Nos 1983-2317.