

ODONATOLOGICAL ABSTRACTS

1978

- (11631) FRANCISCOLO, M.E., 1978. Hydradephaga of Yugoslav Adriatic islands. 2. Cres, Lošinj and Unije. *Acta ent. jugosl.* 14(1/2): 35-47. (With Croat. s.). – (Author's current address unknown).
Not further identified Anisoptera larvae are reported "abundant" at a locality in Suplatunski peninsula, Cres island, Croatia.

1980

- (11632) BAK, H.E. (author) & N. KOSTIĆ (translator), 1980. Vilin konjic. – [Dragonfly]. *Dobro Jutro, Novi Sad* 103: 1 p. (Serbian).
A Serbian translation of a general German article on dragonfly biology, published in an agricultural & fishery monthly, Vojvodina prov., Serbia.

1983

- (11633) LUFF, V., 1983. *Am Wasser mit Pflanzen und Tieren*. Ellermann, München. 28 pp. [20.5x21.0 cm, hard cover]. ISBN 3-7707-6216-9.
A juvenile book, with hardly any text (a single reference to dragonflies), but various dragonfly spp. are shown in most of the plates. It describes the animal life in a river, from its source to its mouth. The set-up is similar to the work listed in OA 11495. The original (Engl.) edn was published in 1981, under the title "The river" (Black & Black).

1991

- (11634) DOLCE, S., F. STOCH & M. PALMA, 1991. *Stagni carsici: storia-flora-fauna*. Lint, Trieste. 70 pp. ISBN 88-85083-71-4. – (Publishers: Via di Romagna

30, I-34134 Trieste).

Libellula depressa is recorded from the Sagrado ponds at Sgonico, Karst of Triest, NE Italy.

1992

- (11635) DE VECCHI, L., S. DOLCE, M. PALMA & F. STOCH, 1992. *La Valle dell'Ospo e i laghetto delle Noghère*. Lint, Trieste. 72 pp. ISBN 88-85083-91-1. – (Publishers: Via di Romagna 30, I-34134 Trieste).
Aeshna cyanea and *Anax imperator* are reported from the ponds in the Rio Ospo area, Triest, NE Italy.

1993

- (11636) BAEZ, M., 1993. Origins and affinities of the fauna of Madeira. *Bolm Mus. munic. Funchal (Suppl.)* 2: 9-40. – (Depto Zool., Univ. La Laguna, Tenerife, Islas Canarias, Spain).
4 palaeartic odon. spp. are listed, but *Ischnura senegalensis* is not. Cf. OA 10777, 11362.
- (11637) HOGUE, C.L., 1993. *Insects of the Los Angeles Basin*. Nat. Hist. Mus. Los Angeles Co., Los Angeles. 448 pp. ISBN 0-938644-29-7 (softcover).
The odon. are dealt with on pp. 56-65; 8 spp., with bibl. references, good col. portraits and line drawings of larvae.
- (11638) SMITH, W.A., T.E. VOGT & K.H. GAINES, 1993. Checklist of Wisconsin dragonflies. *Wisc. ent. Soc. misc. Publ.* 2: 1-7. – (First & third Author: Bureau Endang. Resour., Dept Nat. Resour., Box 7921, Madison, WI 53707, USA).
112 spp., with annotations on status, breeding habits, range and flight periods.

1994

- (11639) BUCZYŃSKI, P., 1994. Interesujący przypadek teratologii skrzydła u ważki *Sympetrum sanguineum* (O.F. Müller, 1764) (Odonata, Libellulidae). – An interesting case of in wing teratology *Sympetrum sanguineum* (Odonata, Libellulidae) [sic!]. *Wiad. ent.* 13(4): 213-215. (Pol., with Engl. s.). – (Inst. Zool., Univ. Maria Curie-Skłodowska, Ul. Akademicka 19, PO-20-033 Lublin).

A mis-shapen left hind wing is described, illustrated and the phenomenon is briefly discussed.

- (11640) LIN, S.C., 1994. [The spirits of stream: *Euphaea formosa*]. *Nat. Conserv. Q.* 7: 6-7. (Chin., with taxonomic nomencl.). – (Last known address: Wu-Shih-Ken Low Altitude Work Stn, 109 Wu-Shih Lane, Tung-Chi Rd Sectn 2, Tzyh-You Village, Hoping, Taichung Co., Taiwan, ROC).
[Abstract not available.]

- (11641) POPOVIĆ, B., 1994. *Entomofauna Valpovačkog parka*. – *Entomofauna of the Valpovo Park*. M.Sc. thesis, Fac. Pedagog., Strossmayer Univ., Osijek. 84 pp. (Croat., with Engl. s.). – (Author's current address unknown).

Sympetma fusca and *Aeshna mixta* are recorded from this Nature Reserve in Slavonia, Croatia.

- (11642) SAMWAYS, M.J., 1994. Damsels in distress: the threatened synlestid damselflies of southern Africa. *Afr. Wildl. Environ.* 2(5): 86-87. – (Dept Zool. & Ent., Fac. Sci., Univ. Natal, Private Bag X01, Scottsville, Pietermaritzburg-3209, SA).
S Africa is a stronghold of the Gondwana relict fam. of Synlestidae, supporting 9 spp. of *Chlorolestes* and *Ecchlorolestes*. All have localized distributions and are characteristic of clear, montane streams. The status of some of these is outlined in the present paper. (Elsewhere, the fam. survives in E Australia, China, India and with 1 remote sp. hanging on in Haiti.)

1995

- (11643) BUCZYŃSKI, P., 1995. Materiały do poznania ważek (Odonata) Lubelszczyzny. 1. – Materials to the knowledge of dragonflies (Odonata) of Lublin region. 1. *Wiad. ent.* 14(2): 75-83. (Pol., with Engl. s.). – (Inst. Zool., Univ. Maria Curie-Skłodowska, Ul. Akademicka 19, PO-20-033 Lublin).
Commented records of 12 spp. *Leucorrhinia caudalis*

is new for the region; – Poland.

- (11644) BUCZYŃSKI, P., 1995. Wążki (Odonata) wybranych torfowisk Poleskiego Parku narodowego i jego okolic. – [Dragonflies (Odonata) from the fens of the Polesie National Park and its surroundings]. *Mater. 42 Zjazd pol. Tow. ent.*, Poznań, p. 10. (Pol.). – (Inst. Zool., Univ. Maria Curie-Skłodowska, Ul. Akademicka 19, PO-20-033 Lublin).

11 spp. are mentioned from various localities in the Park, Poland. – Cf. also OA 11683.

- (11645) CARROLL, M. & R. GUDERSEN, 1995. Distribution of Minnesota dragonflies (Odonata: Anisoptera). *Occ. Pap. aquat. Biol. St. Cloud St. Univ.* 2(1): 1-32. – (First Author: Big Lake, MN 55309, USA; – second Author: Dept Biol. Sci., St. Cloud St. Univ, St. Cloud, MN 56301, USA).
[Not available for abstracting.]

- (11646) DAVID, S., 1995. Inventarizačný výzkum vážek (Insecta, Odonata) horného povodia Cirochy. – Survey study of dragonflies (Insectivora, Odonata) at the river basin of up-Cirocha river [sic!]. *Natura carpatica* 36: 85-92. (Slovak, with Engl. s.). – (Tekovske Muz., P.O. Box 69, SK-93469 Levice).

A commented review of the odon. fauna (18 spp.), evidenced in the upper Cirocha R. Valley, Slovakia.

- (11647) KNEITZ, S., 1995. An eight-year study of the population dynamics of seven coexisting amphibian species south of Bonn, Germany. *Progr. Abstr. 8th Ordinary Gen. Meet. Soc. Europ. Herpetol.*, Bonn, p. 72. – (Author's address not stated).
Reference is made to strong predation pressure of larval *Aeshna cyanea* on the tadpoles of *Rana dalmatina* and *R. temporaria*.

- (11648) LIN, S.C., 1995. [Dragonflies of Lanyou Island, Taiwan]. *Nat. Conserv. Q.* 9: 25-27. (Chin., with taxonomic nomencl.). – (For author's address see OA 11640).

A commented list of ca 20 spp., pertaining to 5 fams.

- (11649) LIN, S.C., 1995. [General introduction to the pond-living dragonflies in the Wu-Shih-Keng area, Taiwan]. *Nat. Conserv. Q.* 12: 40-43. (Chin., with taxonomic nomencl.). – (For Author's address see OA 11640).

Chlorogomphus risi, *Stylogomphus shirozui*, *Planaeschna r. risi*, *Psolodesmus mandarinus dorothea*,

Matrona basilaris, *Euphaea formosa*, *Bayadera brevicauda*, *Megalestes maai*, and *Rhipidolestes a. aculeatus* are dealt with. – For the continuation cf. *OA* 11663.

- (11650) PIRIULIN, D.D., 1995. Kharakteristike vremennyh vodoemov i fauny vodnyh nasekomyh ostrova Barsakel'mes i Priaral'ya. – On the characteristics of temporal reservoirs and aquatic insect fauna of Barsakel'mes island and Near-Aral territory. *Trudy zool. Inst. russ. Akad. Nauk* 262 [A.F. Alimov & N.V. Aladin, Eds, Biological and environmental problems of the Aral Sea and Aral Region, 2: Land ecosystems]: 3-74. (Russ., with Engl. s.). – (*Zool. Inst., Russ. Acad. Sci., St Petersburg, Russia*).
The odon. are (mostly family-wise) dealt with on pp. 38-41. Some regional bibliographic references are included.

1996

- (11651) ATROPOS, ["the UK's premier journal for Lepidoptera and Odonata enthusiasts"], No. 1 (May, 1996). – (Appears semiannually; annual subscription: £ 13.—; orders to: 36 Tinker Lane, Meltham, Huddersfield, W. Yorks, HD7 3EX, UK).
[Odon. articles:] *Silsby, J.*: 1995: a bumper year for darter immigrants (pp. 10-11, ed. postscript pp. 11-12); – *Heath, P.*: The 1995 Yellow-winged Darter influx: a Norfolk perspective (pp. 12-17); – *Attridge, W.*: The Dungeness dragonfly influx (pp. 17-19, pl. 4 excl.); – *Walker, D.*: [Report from] Dungeness Bird Observatory, Kent (p. 63); – *Wilson, K.*: [Report from] Gibraltar Point Bird Observatory, Lincolnshire (pp. 65-66).
- (11652) BENDA, P., 1996. Pozorování vážky hně doskvmné *Orthetrum brunneum* (Fonscolombe, 1873) v Labských pískovcích. – Sichtbeobachtung von Südlichen Blaupfeil *Orthetrum brunneum* (Fonscolombe, 1837) im Elbsandsteingebirge. *Sb. okres. Muz. Moste (Priř.)* 18: 27-28. (Czech, with Germ. s.). – (Kladenská 13, CZ-40501 Děčín-3).
O. brunneum is recorded from Stará Oleška nr Děčín, Czech Republic (1 ♂, 7-VII-1995).
- (11653) BRÁZDA, J. & J. TEREK, 1996. Makrozoobentos hydromeliaračných kanálov oblasti Hrane, východoslovenská nížina. – Makrozoobenthos in hydromeliaric chanelns in Hraň, eastern Slovakian lowlands [sic!]. *Natura carpatica* 37: 109-117. (Slovak, with Engl. s.). – (First Author: Františkánska 2, SK-81101 Bratislava).
Lists 6 odon. spp., with water quality data.
- (11654) BUCZYŃSKI, P., 1996. Nowe stanowiska ważek (Odonata) ze wschodniej części Wyzyny Lubelskiej. – New records of dragonflies (Odonata) from eastern part of the Lubelska Upland. *Wiad. ent.* 15(1): 5-11. (Pol., with Engl. s.). – (Inst. Zool., Univ. Maria Curie-Skłodowska, Ul. Akademicka 19, PO-20-033 Lublin).
Annotated records for 27 spp., from 10 localities; – Poland.
- (11655) BUCZYŃSKI, P., 1996. Wstępne rozpoznanie składu gatunkowego ważek (Odonata) Parku Krajobrazowego "Łasy Janowskie". – Preliminary recognition of the species composition of dragonflies (Odonata) of the Landscape Park "Janów Forests". In: S. Radwan et al., *Walory przyrodnicze Parku krajobrazowego "Łasy Janowskie"*, pp. 60-70, Univ. Maria Curie-Skłodowska, Lublin. (Pol., with Engl. s.). – (Inst. Zool., Univ. Maria Curie-Skłodowska, Ul. Akademicka 19, PO-20-033 Lublin).
6 spp. are mentioned from the said Landscape Park (Poland); 44 spp. were evidenced in 1995.
- (11656) BULIMAR, F., 1996. Espèces d'odonate (Insecta, Odonata) des aires protégées des Carpathes Orientaux. *Stud. Cercetari* 8: 395-398. (With Engl. s.). – (Inst. Cercetari Biologice, B-dul Copou 20 A, RU-6600 Iași).
An annotated and briefly commented list of 53 spp., known to occur in E Carpathians, Romania.
- (11657) D'ANTONIO, C., 1996. Gli odonati della Calabria (Odonata). *Boll. Soc. ent. ital.* 128(1): 3-16. (With Engl. s.). – (Via A. Falcone 386/B, I-80127 Napoli).
A checklist of 47 spp., from 87 localities, based on literature and on unpublished records, is presented. *Lestes virens vestalis*, *Coenagrion scitulum*, *Boyeria irene* and *Sympetrum meridionale* were not previously recorded from Calabria, S Italy.
- (11658) FLINT, O.S., 1996. Odonata taken in Malaise traps, with special reference to Virginia. *Banisteria* 8: 37-43. – (Natn. Mus. Nat. Hist., Smithsonian Instn, Washington, DC 20560, USA).
20 zygopteran and 25 anisopteran spp. were collected in a number of Malaise traps, operating at various lo-

- cations in Virginia, USA, during up to 15 yr. The locality, number and sex of the first and last annual captures are stated, and the results are discussed.
- (11659) FLINT, O.S., 1996. The Odonata of Cuba, with a report on a recent collection and checklist of the Cuban species. *Cocuyo* 5: 17-20. – (Natn. Mus. Nat. Hist., Smithsonian Instn, Washington, DC 20560, USA).
New records are presented for 33 spp., and a revised checklist is provided of the hitherto known Cuban fauna (81 spp.). The Asiatic *Crocothemis servilia* is for the first time recorded from Cuba.
- (11660) HO, C.J. & P.H. KIANG, 1996. [Agriocnemis damselflies in Taiwan]. *Nat. Conserv. Q.* 13: 32-35. (Chin., with taxonomic nomencl.). – (First Author: c/o Taiwan Endemic Species Res. Inst., 1 Ming-Shen E. Rd, Chi-Chi, Nan-Tou co., Taiwan ROC).
Deals with *A. pygmaea* and *A. femina oryzae*.
- (11661) KENNER, R.D., 1996. A new dragonfly for the Lower Mainland. *Discovery, Vancouver* 25(4): 143-144. – (5560 Linscott Court, Richmond, BC, V7C 2W9, CA).
Pachydiplax longipennis has a wide distribution in the US, Mexico, Bermuda and the Bahamas. In Canada it is restricted to British Columbia, southern Ontario and Lac du Bonnet in Manitoba (cf. OA 1194). In BC it was so far known from only 5 locations in southern Vancouver Island (cf. OA 2043) and from the Ambrose Lake on the Sunshine Coast. In July 1996, numerous specimens were recorded from the BC Lower Mainland, viz. at Killarney Lake (Crippen Regional Park, Bowen Island), in Burnaby Lake Regional Park, and at Beaver Lake (Stanley Park). The fact that breeding populations have been found in these 3 easily accessible localities seems to indicate that the sp. has not been simply missed by the earlier collectors, but rather that the records represent a more recent addition to the local fauna. – Cf. also OA 11716.
- (11662) LIN, S.C., 1996. [Ecological introduction to *Polycanthagyna erythromelas* in the Wu-Shih-Keng area, Taiwan]. *Nat. Conserv. Q.* 14: 48-50. (Chin., with taxonomic nomencl.). – (For Author's address see OA 11640).
[Abstract not available.]
- (11663) LIN, S.C., 1996. [General introduction to the pond-living dragonflies in the Wu-Shih-Keng area, Taiwan]. *Nat. Conserv. Q.* 16: 53-58. (Chin., with taxonomic nomencl.). – (For Author's address see OA 11640).
Continuation of the paper listed in OA 11649.
- (11664) LOPAU, W., 1996. Rasterkartierung der Libellen des Altkreises Bremervörde. *Faun. Jber. Altkr. Bremervörde* 1990/1993: 72-95. – (Kuhstedtermoor 26, D-27442 Gnarenburg).
A commented list and distribution maps are presented for the 47 spp., evidenced so far in the district, Lower Saxony, Germany.
- (11665) MUÑOZ POZO, B. & J. BLASCO-ZUMETA, 1996. Contribución al conocimiento de los odonatos (Insecta: Odonata) de las aguas estacionales de los Monegros (Zaragoza). *Zapateri* 6: 141-145. (With Engl. s.). – (Second Author: Hispanidad 8, ES-50750 Pina de Ebro, Zaragoza).
A commented list of 16 spp. *Sympetrum sinaiticum* is for the first time recorded from Aragon. In July 1995, a migration of thousands *Hemianax ephippiger* was for the first time evidenced in the Iberian Peninsula.
- (11666) ODA, T. (text) & S. MATSUYAMA (photographs), 1996. [*Anax parthenope julius*]. Kaisasha, Tokyo. 40 pp. (22.5x30.0 cm; hardcover). ISBN 4-03-527270-1. – Price: ¥ 2400.— net. (Jap.). – (Publishers: 3-5, Ichigayasadohara-cho, Shinjuku-ku, Tokyo, 162, JA).
A magnificent monograph on biology, life history and behaviour of *A. p. julius*, with numerous col. photos. It is directed at the general reader, but much of the information will be indispensable to the professional odonatologist as well. – An Engl. translation of chapter titles and fig. captions is available from the Eds of *Odonatologica*.
- (11667) PIBERNAT, J. & L. ABÓS, 1996. Contribución al conocimiento de los odonatos de la provincia de Girona. *Resum. 7 Congr. ibér. Ent.*, Santiago de Compostela, p. 90 [indicative abstract only]. – (Second Author: Unitat Biol. Animal, Depto Cién. Ambientales, Univ. Girona, Pl. Hospital 6, ES-17071 Girona).
No species names are stated in the abstract, but a complete list (53 spp., with detailed locality and collection data) is deposited with the Eds of *Odonatologica*.
- (11668) POPOVA, O.N. & A.Yu. HARITONOV, 1996. Evolution of the dragonfly *Sympetrum flaveolum*

- (Insecta, Odonata). *Siber. J. Ecol.* 3(3/4): 271-275. – (Inst. Anim. Syst. & Ecol., Siberian Brch, Russ. Acad. Sci., Ul. Frunse 11, RUS-630091 Novosibirsk). Based on multiannual evidence, the information is summarized on the ecology and population biology of this sp. in Siberia, Russia.
- (11669) SANJAYAN, K.P. & M.C. MURALIRANGAN, 1996. Seasonal changes in the insect diversity of a natural scrub jungle forest of Tamil Nadu. *Proc. zool. Soc. Calcutta* 49(2): 67-71. – (G.S. Gill Res. Inst., Guru Nanak Coll., Madras-600032, India). In the Nanmangalam Reserve Forest, Chengai-MGR distr., Tamil Nadu, India, 396 odon. individuals, referable to 10 spp., were collected during July 1993-June 1994, representing 3.1% of the total insect biomass of the samples. Taxa are not listed.
- (11670) TANAKA, T., 1996. [*An easy dragonfly picture book*]. Shizen Tsusinsha, Matsudo. 46 pp. ISBN none. – Price: ¥ 600.— net. (Jap.). – (Publishers: 500, Nakayagari, Matsudo, Chiba, 271, JA). A nice, small, softcover booklet (13x18 cm), presenting beautiful portraits of, and notes on 49 Japanese spp., with some habitat notes and brief instructions for collecting and breeding. – (*Abstracter's Note*: The publishing house is run by Mr & Mrs T. Tanaka, and has published several similar books on other insects as well.)
- 1997**
- (11671) *AGRION, PURLEY*. Newsletter of the Worldwide Dragonfly Association, Vol. 1, No. 1 (Oct. 1997); edited by J. Silsby. ISSN none. – (c/o Mrs J. Silsby, 1 Haydn Ave, Purley, Surrey, CR8 4AG, UK). [Not supplied for abstracting.] – A periodical of the same name is appearing in the Netherlands since 1956, therefore the title of the newsletter is “preoccupied”, hence the place of publication should be added in all bibliographic citations, i.e. “*Agrion, Purley*”. – C o n t e n t s: [Silsby, J.]: Editorial (p. 1); – Parr, M.: Message from the President (p. 1); – Silsby, J.: History (p. 2); – McMillan, V., J. Rith & R. Silsby [Minute Recorders]: Minutes of the S.I.O. Business Meeting, held at Maribor, Slovenia on 14 July 1997 (pp. 3-4); – Parr, M.J., W. Schneider, H. Lohmann, H.J. Dumont & J. Silsby: Our constitution (pp. 4-8); – By-Laws (pp. 8-12); – Silsby, J. & M.J. Parr: Minutes of the first W.D.A. [=“Worldwide Dragonfly Association”] committee meeting, held at 1 Haydn Ave, Purley, Surrey (pp. 12-14). – The 1999 and 2001 int. symposia “announcements”, a book review, a WDA advertisement, etc. conclude the issue.
- (11672) AMR, Z.S., W.N. AL-MELHIM, A. KATBEH-BADER & W. SCHNEIDER, 1997. On the common Insecta of Al Azraq, Jordan. *Ent. Gaz.* 48(1): 55-66. – (First Author: Dept Biol., Jordan Univ. Sci. & Technol., P.O. Box 3030, Irbid, Jordan). Azraq Oasis is part of Jordan's Eastern Desert plateau, and represents a unique wetland of 12 km², with several marshes, ponds, springs, etc. 13 odon. spp. are here listed, and brief annotations on their local occurrence are provided.
- (11673) ANDERS, U. & G. RÜPPELL, 1997. Zeitanalyse der Balzflüge europäischer Prachtlibellen-Arten zur Betrachtung ihrer Verwandtschaftsbeziehungen (Odonata: Calopterygidae). *Entomol. gen.* 21(4): 253-264. (With Engl. s.). – (Zool. Inst., Techn. Univ., Fasanenstr. 3, D-38092 Braunschweig). The courtship flights in ♂ *Calopteryx virgo*, *C. splendens*, *C. xanthostoma* and *C. haemorrhoidalis* were filmed with a slow motion camera, under unmanipulated conditions and in a provoked situation, with a fixed ♀. The wingbeat frequency and phase relationship of hw and fw were studied. There is no difference between *splendens* and *xanthostoma*, but the studied parameters in *haemorrhoidalis* and *virgo* are different to each other and to the first 2 spp.
- (11674) ANSELIN, A. & G. DE KNIJF, 1997. Kennis van libellen in Vlaanderen: de rol van Gomphus. – The Belgian Dragonfly Working Group Gomphus. *Levende Nat.* 98(5): 184-188. (Dutch, with Engl. s.). – (First Author: Inst. Natuurbehoud, Kliniekstraat 25, B-1070 Brussel). The volunteer organisation, Gomphus, was founded in 1983. One of its major objectives, the preparation of a Belgian dragonfly atlas, is now in its concluding phase. This project has triggered much interest in dragonflies in Belgium. Gomphus is also active in the fields of nature conservation and management of odon. habitats. Its database has been used for the preparation of the Belgian odon. Red List (cf. *OA* 11230). Its periodical, *Gomphus*, commenced publication in 1984 (cf. *OA* 4676) and 13 vols were so far published (cf. *OA* 11448).
- (11675) *ARGIA*. The news journal of the Dragonfly Society of the Americas, Vol. 9, No. 3 (15 Sept. 1997). –

- (c/o Dr & Mrs T.W. Donnelly, 2091 Partridge Lane, Binghamton, NY 13903, USA).
 [Signed articles:] *Nikula, B.*: In memory: Richard Forster (1944-1997) (p. 12); – *Daigle, J.J.*: Hawaii calls! (p. 13); – *Donnelly, N.*: Through darkest Borneo (and Malaysia) with net and camera (pp. 13-16); – *Catling, P.M. & P.D. Pratt*: An expanding "race" of the Azure Bluet, *Enallagma aspersum*, in Ontario? (pp. 16-17); – *Donnelly, N.*: The hunt for red *Sympetrum* (pp. 17-18); – *Walton, D.*: Kastels and dragonflies (p. 18); – *Donnelly, N.*: History of the study of Odonata, pt 3 (pp. 18-21; probably should be 'pt 2', cf. *OA* 11548); – *Nikula, B.*: Several noteworthy odonates from Massachusetts and New Brunswick (p. 21); – *Brunelle, P.*: Cape Breton Island and Maine (pp. 21-22); – *Tingley, S.*: New Brunswick news (p. 22); – *Miller, D.*: *Hetaerina americana* in Vermont (p. 23); – *Muller, B.*: New Connecticut records (p. 23); – *Lederer, P.*: *Libellula flavida* in Staten Island (p. 23); – *Maufray, B.*: New locality for the Everglades Sprite, *Nehalennia pallidula* (p. 23); – *Kenner, R.*: *Pachydiplax* from mainland British Columbia (pp. 23-24); – *Bick, G.H.*: Old specimens, new records (p. 24); – *Donnelly, N.*: [Book Review] Damselflies (Zygoptera) in Ontario from 1900 to 1952, by P.M. Catling & V.R. Brownell (p. 25); – *White, H.*: Press exposure of dragonflies (p. 25); – *Donnelly, N.*: Snaketail hits the New York Times (pp. 25-26; cf. *OA* 11558); – *Beckemeyer, R.*: Rebirth: thoughts on observing dragonfly larvae (p. 27; poem); – *Sones, J.*: *Tramea* (pp. 27-29; Web links).
- (11676) *ATROPOS*, ["the UK's premier journal for Lepidoptera and Odonata enthusiasts"], No. 2 (January 1997), No. 3 (July 1997). – (36 Tinker Lane, Meltham, Huddersfield, W. Yorks, HD7 3EX, UK).
 [Odon. articles], No. 2: *Davey, P.*: The 1996 insect immigration (pp. 2-13); – *Parr, A.*: Migrant dragonflies in 1996 (pp. 15-17); – *Phillips, J.*: The Lesser Emperor Dragonfly *Anax parthenope* in Gloucestershire: the first British record (pp. 40-41); – *Parr, A.*: The 1996 Red-veined Darter *Sympetrum fonscolombei* (Selys) influx into Britain (pp. 44-45); – *Hibberd, G.*: Red-veined Darter *Sympetrum fonscolombei* (Selys) at Holme Dunes NNR, Norfolk (pp. 48-49); – *Attridge, W.*: The dragonflies of the Dungeness Bird Observatory Recording Area, 1996 (pp. 49-51, pl. 4); – *Robbins, P.*: [Book review]: Butterflies and dragonflies, a site guide, by P. Hill & C. Twist (p. 59); – *Parr, A.*: Migrant Dragonfly Recording Project: a request (p. 60); – *Fairhurst, J.*: Vagrant Emperor Hemianax ephippiger on the Calf of Man, July 1995 (p. 61); –
- Anderson, C. & R. Wilson*: [Report from] Minsmere RSBP Reserve, Suffolk (pp. 76-77); – *Wilson, K.*: [Report from] Gibraltar Point NNR, Lincolnshire (pp. 78-79). – No. 3: *Cade, M.*: Site guide: Portland, Dorset (pp. 2-8); – *Reeve, K. & P. Reeve*: County focus: Odonata in Warwickshire (V.C. 68) (pp. 22-28, pl. 3); – *Parr, A.*: Migrant Dragonfly Field Guide: a request for help (pp. 51-52); – *Hill, P.M.*: Insects reported in the early part of 1997: a summary of highlights reported to the telephone information service, Insect Line (pp. 53-55); – *Thomas, R.*: Lesser Emperor Dragonfly *Anax parthenope* (Selys) in Cambridgeshire: the third British record (pp. 55-56); – *Brown, P.*: [Report from] Sandwich Bay Bird Observatory, Kent (p. 61); – *Hill, P.*: Migrant Hawker *Aeshna mixta* in Cheshire (p. 66).
- (11677) BAIRD, J.M. & M.L. MAY, 1997. Foraging behavior of *Pachydiplax longipennis* (Odonata: Libellulidae). *J. Insect Behav.* 19(5): 655-678. – (First Author: Dept Ent., New Jersey Agric. Stn, Cook Coll., Rutgers Univ., P.O. Box 231, New Brunswick, NJ 08903-0231, USA).
 For an advance abstract see *OA* 6464.
- (11678) BEDJANIČ, M., 1997. *Potek preobrazbe, spolna struktura in velikost populacije nosne jezerke (Epiptera bimaculata Charpentier, 1825) v glinokopu Opekarne Pragersko v Pragerskem (SV Slovenija) (Odonata: Corduliidae)*. – [Process of metamorphosis, sex structure and the population size of *Epiptera bimaculata* (Charpentier, 1825) in the clay pit of the Pragersko Brick Factory, NE Slovenia (Odonata: Corduliidae)]. Seminar thesis (Anim. Ecol.), Univ. Ljubljana, Ljubljana. 14 pp. – (Slovene). – (Fram 117 A, SI-2313 Fram).
 The exuviae were collected during Apr.-May 1994 and 1995 (502 and 679, resp.). The ♂: ♀ ratios (in %) were 48.01:51.99 in 1994, and 47.28:52.72 in 1995. The entire population emerged in about 2 weeks.
- (11679) [BISCHOF, A.] CAMENISCH, F., 1997. Persönlich. *Ber. Nachr. Mitt. bündner Natur-Mus.* 1997(2): 2. – (c/o A. Bischof, Heckenweg 4, CH-7000 Chur).
 A brief interview (portrait incl.) with A. Bischof, a well-known Swiss odonatologist.
- (11680) [BOS, F. & M. WASSCHER] AAN DE BRUGH, M., 1997. Stilhangen, wenden en versnellen. *NRC HandelsBl.* 27(295): 49, issue of 13 Sept. (Dutch).
 A daily's book review of the work listed in *OA* 11557,

based on an interview with the first Author.

- (11681) BROOKS, S., [Ed.], 1997. *Field guide to the dragonflies and damselflies of Great Britain and Ireland*. Br. Wildlife Publishing, Hook, Hamps. 160 pp. ISBN 0-953-13990-5. – Price: UK £ 18.95 net. The book covers 52 spp., recorded from the British Isles, incl. the United Kingdom and Ireland, but excl. the Channel Islands. A number of spp., the records of which are more than a century old, are not considered. 38 spp. are now resident, the others are regular or incidental immigrants, of which *Pantala flavescens* is probably passively transported by ocean-going ships. – The introductory chapters (pp. 5-27) are dealing with life history, distribution and habitats, including also a section on “Dragonflies and law”. A novelty are the “Regional guides” (pp. 28-47), indicating the best places to watch dragonflies. Concise keys (pp. 50-58) to the larvae (spp.) and adults (fam. only), are followed by species accounts (pp. 58-157). These were contributed by 16 authors and are structured along the headings, “Description”, “Status and conservation” and “Ecology and behaviour”. The style is concise, the volume of presented information very appreciable, and the coverage balanced throughout. This section certainly is a masterpiece of editorial work and organisation. Bibliographic references, titled “Further reading” (p. 158), contain only 12, mostly recent titles, with the help of which the reader will not easily find the way to the most relevant works of the older literature. The books of W.H. Bath (1890, containing e.g. the 1860 Sheerness record of *Leucorrhinia pectoralis*), W.J. Lucas (1900, 1930), C. Longfield (1937, 1949) and F.C. Fraser (1956, with a detailed review of old, extraordinary records) are all omitted. It would hardly require 2 more pp. to list these and the commercially available county field guides. – Artworks (watercol. species portraits, etc.), by R. Lewington, are superb, though occasionally a shade too light; distribution maps (for each sp.) are very instructive; some of the col. phot. are moderate. – The lay-out will appear handy for the use in the field. – Considering the number of pages and the non-sophisticated softcover binding, the book is not among the cheapest of its kind. The purchaser is advised to check carefully for the errors in binding; the copy purchased by the reviewer has 16 misplaced pages.
- (11682) BRUNELLE, P.-M., 1997. Distribution of dragonflies and damselflies (Odonata) of the Atlantic Provinces, Canada. *Northeast. Nat.* 4(2): 61-82, cover phot. (With Fr. s.). – (2460 John St., Halifax, NS, B3K 4K7, CA).
New records and the updated, complete checklists are given for the Atlantic (130 spp.) and Maritime (128 spp.) Provinces, each prov. (and the significant subprovincial areas) separately, with comments on distribution and a regional bibliography, viz. Newfoundland & Labrador: 40 spp. (Labrador 25, NF Isl. 38), New Brunswick: 118 spp., Nova Scotia: 111 spp. (NS Mainland 108, Cape Breton Isl. 58, Sable Isl. 9), and Prince Edward Isl.: 54 spp.
- (11683) BUCZYŃSKI, P., 1997. Ważki Odonata Poleskiego Parku narodowego. – Dragonflies Odonata of Polesie National Park. *Parki narod. & Reserv. Przyr.* 16(2): 41-62. (Pol., with Engl. s.). – (Inst. Zool., Univ. Maria Curie-Skłodowska, Ul. Akademicka 19, PO-20-033 Lublin).
A comprehensive review and analysis of the fauna (48 spp.) of the said Park, Poland.
- (11684) BUCZYŃSKI, P., 1997. Ważki (Odonata) terenów źródłiskowych Polski: stan poznania i perspektywy dalszych badań. – [Dragonflies (Odonata) of the spring-habitats in Poland: status of exploration and perspectives for future work]. [Abstr. Pap.] *Zróżła Polski*, Olsztyn, pp. 10-11. (Pol.). – (Inst. Zool., Univ. Maria Curie-Skłodowska, Ul. Akademicka 19, PO-20-033 Lublin).
In Poland, in this habitat type, 6 spp. are breeding. *Cordulegaster bidentata* is the sole krenophilous sp.
- (11685) BUCZYŃSKI, P. & G. TOŃCZYK, 1997. Analiza zgrupowań ważek (Odonata) wód biezących Polski. – [Analysis of running water dragonfly (Odonata) communities in Poland]. *Mater. 17 Zjazd Hydrobiol. pol.*, Poznań, p. 95. (Pol.). – (First Author: Inst. Zool., Univ. Maria Curie-Skłodowska, Ul. Akademicka 19, PO-20-033 Lublin).
57 spp. were recorded at the running water habitats in Poland. Among these, 6 spp. are rheobiontic, and 9 are rheophilous.
- (11686) BULLETIN OF AMERICAN ODONATOLOGY, Vol. 4, No. 4 (22 Sept. 1997); – Vol. 5, No. 1 (27 Oct. 1997). – (c/o Dr & Mrs Donnelly, 2091 Partridge Lane, Binghamton, NY 13906, USA).
4(4): Paulson, D.R.: The dragonflies of Washington (pp. 75-91) [75 spp. are listed. County records, seasonal occurrence and preferred habitats are given for each sp. Publication that include Washington records

- are listed in a brief history of research on the state's fauna, and the distributional patterns of Washington spp. are outlined. There are few NW endemics, and the state has a depauperate fauna compared with similar latitudes in the E, perhaps because of widespread aridity in the W during glacial periods.] – 5(1): *Mauffray, B.*: The dragonflies and damselflies (Odonata) of Louisiana (pp. 1-26) [A commented list of 124 spp.]
- (11687) CARL, M., 1997. Die stillgelegte Kiesgrube Jesenwang – Artenreservoir für den Landkreis Fürstentfeldbruck (Oberbayern). 1. Bestandsaufnahme der Wasserinsekten (Ephemeroptera, Odonata, Heteroptera, Planipennia, Coleoptera, Trichoptera). *NachrBl. bayer. Ent.* 46(3/4): 81-89. (With Engl. s.). – (Gollenbergstr. 12, D-82299 Türkenfeld).
11 odon. spp. are listed from various localities and habitats in the gravel pit area; – Bavaria, Germany.
- (11688) CATLING, P.M., 1997. Evidence for the recent northward spread of *Enallagma civile* (Zygoptera: Coenagrionidae) in Ontario. *Proc. ent. Soc. Ont.* 127[1996]: 131-133. – (Cent. Land & Biol. Resour. Res., Agriculture Canada, Saunders Bldg, Ottawa, ON, K1A 0C8, CA).
Prior to 1959 the sp. was known in Ontario (Canada) only from the Carolinian biogeographic zone in the Lake Erie region. By 1996 it was known from areas at least 200 km N of the Carolinian zone boundary. Based on (1) the probable reliability of its earlier Carolinian limit, (2) the unlikelihood of it having been overlooked in regions further N where it is now widespread and abundant, and (3) its discovery at DeGrassi Point in 1959 after 50 yr of intensive observation and collecting in that area, the new distribution records are interpreted as a recent expansion of range. This expansion is believed to be due to climatic warming with increasingly extensive new habitat playing a secondary role.
- (11689) CATLING, P.M. & V.R. BROWNELL, 1997. *Damselflies (Zygoptera) in Ontario from 1900 to 1952: an atlas of E.M. Walker's distributional data for monitoring, and biodiversity and biogeography studies.* Catling & Brownell, Metcalfe/ON. 53 pp. ISBN 0-9682013-0-X. – Price: Can \$ 10.— net. – (Available from the Publishers: 2316 Scrivens Dr., R.R. 3, Metcalfe, ON, K0A 2P0, CA).
In the process of recording localities for all Ontario Zygoptera spp. for the period 1900-1952, Walker produced one of the best benchmarks available in entomology. This historical data provides a basis for evaluation of recent changes in status and distribution, and is also relevant to an understanding of biogeography, biodiversity, and ecology. Ontario distribution maps for 43 spp. are provided for the first half of the century. – [Proceeds from the sale of this atlas go to support further volunteer conservation efforts.]
- (11690) CLARKE, D. & S. HEWITT, 1997. Vagrant Emperor Dragonfly, *Hemianax ephippiger* (Burmeister), at Caerlaverock, Dumfriesshire. *Glasgow Nat.* 23(2): 58. – (Tullie House Mus., Castle St., Carlisle, CA3 8TP, UK).
1 ♂, 3-XI-1996; – Scotland.
- (11691) D'ANDREA, M. & S. CARFI, 1997. Nuove raccolte di odonati del Camerun con note su *Agriocnemis maclachlani* Sélys, 1877 e *A. algulæ* Pinhey, 1974 e descrizione di *Agriocnemis dissimilis* sp. nov. e *Trithemis osvaldae* sp. nov. *Atti Soc. it. Sci. nat. Mus. civ. Stor. nat. Milano* 136(2): 157-190. (With Engl. s.). – (First Author: Piazza S. Donato 23, I-52100 Arezzo; – Second Author: Azienda agrituristica "Il Carrubo", Casella postale aperta, I-97011 Acate/RG).
Ca 70 spp., from 11 localities, are listed along with the annotated citations of all the known previously published records, synonymy, descriptive notes, etc. Several of these were not previously reported from Cameroon. As new are described *A. dissimilis* sp. n. (holotype ♀: Entebbe, Uganda, V-1952) and *T. osvaldae* sp. n. (holotype ♂: Ambam, III-1990; deposited in coll. M. Pavesi, Milano).
- (11692) DE CASTRO PEREZ, E., 1997. Datos de Odonata de la Península Ibérica. *Bol. Soc. ent. aragon.* 19: 60-61. (With Engl. s.). – (Lab. Zool., Fund. Univ. San Pablo-CEU, Urb. Montepincipe, ES-28660 Boadilla del Monte, Madrid).
21 spp. are recorded from 10 localities, Spain.
- (11693) DE FONSEKA, T., 1997. *A guide to the dragonflies of Sri Lanka.* De Fonseka, London. 202 pp., figs & col. pls excl. – (14 Coleridge Rd, North Finchley, London, N12 8DE, UK).
This is a preliminary edn (Aug. 1997), aiming at facilitating the work of the coming up generation of Sri Lankan odonatologists, and summarising all what is known on the regional taxa. 117 spp. are listed, meticulously described and keyed (incl. the larvae, as far as known). 218 textfigs and numerous col. phot. facilitate the use of the keys. The information on habi-

- tats, the numerous previously unpublished records, and the bibliographic species-wise (page) references to the previous treatments are particularly valuable. The chapters are as follows: "Introduction" (pp. 3-5), "Systematic list of Sri Lankan species" (pp. 7-10), "General" (pp. 11-18, plus 20 figs), "Key to the Odonata of Sri Lanka and descriptions of the species" (pp. 19-104, plus 129 figs), "Key to the final stage larvae of Sri Lankan Odonata" (pp. 105-140, plus 69 figs), "Habits and references" (pp. 141-173), "Rearing of dragonfly larvae" (pp. 173-174), "List of Sri Lankan species of Odonata in the National Museum, Colombo" (pp. 175-176), "Distribution" (pp. 177-188), "Glossary" (pp. 189-192), "References" (pp. 193-197), "Index and synonymy" (pp. 199-202).
- (11694) DE KNIJF, G., 1997. Libellenwerkgroep Gomphus – Groupe de travail libellules Gomphus. *Levende Nat.* 98(5): 200. (Dutch). – (Ploegstraat 33, B-9050 Gentbrugge).
A brief summary of the paper listed in OA 11674.
- (11695) *DIGEST OF JAPANESE ODONATOLOGICAL SHORT COMMUNICATIONS*, No. 6 (Oct. 1997). – Edited & Published by N. Ishizawa (1644-15, Yamaguchi, Tokorozawa, Saitama, 359, JA)
Asahina, S.: The insect of the month: *Aeschna nigroflava* (p. 1); – *Watanabe, Y.*: Observation on embryonic development and morphological characteristics of first instar larva in the dragonfly *Libellula angelina* (pp. 1-3); – *Udono, K. & Y. Takasaki*: Morphological diagnosis on the seasonal types of damselfly *Aciagrion migratum* (Selys) (pp. 4-6); – *Arai, Y.*: Some observations on the selection of oviposition site by *Sympetrum frequens* (pp. 6-7); – *Aida, M.*: Two cases of ovipositing *Sympetrum frequens* (pp. 7-8); – *Ishizawa, N.*: A drop of haemolymph in the forewing of a female *Anax parthenope julius* (p. 8).
- (11696) DÖRFLER, G. & G. HARTMANN, 1997. Zur Kenntnis der Libellenfauna des Harzes und seines näheren nördlichen Vorlandes: Fundortliste, Korrekturen und Ergänzungen. *Mitt. naturw. Ver. Goslar* 5: 151-154. – (Second Author: Werenbergstr. 26, D-38640 Goslar).
Supplementary and corrective notes, to go with the paper listed in OA 11193.
- (11697) DUNN, R., 1997. Derbyshire dragonfly (Odonata) report 1996. *J. Derbys. ent. Soc.* 128(Summer): 12-15. – (4 Peakland View, Darley Dale, Matlock, Derbys., DE4 2GF, UK).
The Author has been involved with the Derbyshire dragonfly recording for well over 20 yr. This is his last annual report; he will be succeeded in the office by B. Merritt (cf. OA 11729). – Here, some notable 1996 observations are presented for 8 spp., and a list of 4 spp that could still be expected to turn up in Derbyshire is added.
- (11698) ELLIS, J., 1997. Nottinghamshire dragonflies & damselflies. *J. Derbys. ent. Soc.* 128(Summer): 16. – (Author's address not stated).
Annotations on the regional status of 20 spp. Those spp., which until recently were quite rare, have been recorded more frequently and it is clear that some of these have colonised suitable water bodies in the last 3 or 4 yr.
- (11699) *ERJAVECIA*. Newsletter of the Slovene Odonatological Society, Ljubljana, No. 4 (31 Oct. 1997). (Slovene). – (c/o M. Bedjanič, Fram 117/A, SI-2313 Fram).
Through the cover page photographs and the corresponding Editorials, the outline of the highlights in the Slovene odonatology is continued (cf. OA 11445), and so is the Slovene odonatol. bibliography, which now has 200 listed titles. Numerous noteworthy records are included in the reports on 4 1997 Society field trips/workshops. Of particular interest is the article of *A. Pirnat*, on the "presentation" of the Society in the Slovene Parliament (6 June 1997). A report on the 14th Int. Symp. Odonatol., a comprehensive book review of the work listed in OA 11587, several announcements and the complete membership list conclude the "technical" contents of the issue. The literary belletristics is represented by the prose of *I. Jakša* (pp. 18-19). – The issue has 28 pp., most Authors are indicated by initials only.
- (11700) *FRASERIA* (New Series). South Asian Bulletin of Odonatology, Vol. 3, No. 1/2 (dated 1 Dec. 1996; published Aug. 1997). – (Orders outside SE Asia: c/o *Odonatologica*, P.O. Box 256, NL-3720 AG Bilthoven; – Annual subscription US \$ 10.— net).
(*Anonymous*): Obituary for Dr P.L. Miller (pp. i-ii, portrait incl.); – *Andrew, R.J. & D.B. Tembhare*: Surface-ultrastructure of the egg chorion of *Bradinopyga geminata* (Rambur) and *Rhyothemis v. variegata* (L.) (Anisoptera: Libellulidae) (pp. 1-5); – *Yousuf, M., A. Khaliq & W.A.K. Niazi*: Studies on the intraspecific variations in *Aristocypha quadrimaculata* Selys

- (Zygoptera: Chlorocyphidae) from Rawalpindi, Pakistan (pp. 7-10); – *Murugesan, R., A. Devapaul, M.A. Subramanian & G. Varadaraj*: The impact of tannery effluent on moulting in the larvae of dragonfly *Mesogomphus lineatus* (Selys) (Anisoptera: Gomphidae) (pp. 11-14); – *Sandhu, R. & G.K. Walia*: Karyological studies of the genus *Rhinocypha* (Zygoptera: Chlorocyphidae) pp. 15-19); – Cytogenetic data on genus *Pseudagrion* (Zygoptera: Coenagrionidae) (pp. 21-25); – *Wazahwar, S.M.*: Studies on the mouthparts and digestive system with special reference to the cuticular modifications in the anisopteran dragonfly *Brachythemis contaminata* (Fabricius) (Odonata: Libellulidae) (p. 26; abstract of a PhD thesis).
- (11701) GAEDIKE, R., 1997. Bibliographie der Bestimmungstabellen europäischer Insekten (1991-1995). *Nova Suppl. ent.* 9: 3-142. (With Engl. s.). – (Dt. Ent. Inst., Postfach 100238, D-16202 Eberswalde). 8 odonatol. titles are listed on pp. 9-10. – For the earlier pts of this series cf. OA 8946.
- (11702) GAGINA, T.N., 1997. Redkie strekozy (Odonata) Kemerovskoy oblasti i puti ih ohrany. – [Rare dragonflies (Odonata) in Kemerovo district and the ways to conserve them]. *Tez. Dokl. I mezhreg. nauch.-prakt. Konf. Probl. Sohran. biol. Raznoobraz. yuzh. Sibir.*, Kemerovo, pp. 70-71. (Russ.). – (c/o Dr A.Yu. Haritonov, Inst. Anim. Syst. & Ecol., Siberian Brch, Russ. Akad. Sci., Ul. Frunse 11, RUS-630091 Novosibirsk).
Considerations on *Calopteryx virgo*, *Gomphus epoptalmus*, *G. flavipes*, *Macromia sibirica*, *Somatochlora graeseri*, and *Sympetrum pedemontanum*.
- (11703) *GOMPHUS*. Mededelingsblad van de belgische libellenonderzoekers – Bulletin de liaison des odonatologues belges, Vol. 13, No. 3 (dated Sept., mailed Dec. 1997). (Dutch & Fr.). – (c/o G. De Knijf, Ploegstraat 33, B-9050 Gentbrugge).
Goffart, P./Tailly, M.: Editorial (pp. 63-64); – *Vanderhaeghe, F.*: [Is the re-occurrence of *Coenagrion scitulum* in Belgium to be expected?] (pp. 65-71); – *Tailly, M.*: [*Sympetrum danae* – on nature photography] (pp. 72-73); – *Goffart, P./De Knijf, G.*: Compte-rendu de l'excursion dans les marais du Laonnois (près de Laôn, France), 16 juin 1996 (pp. 74-82). – A book review of the volume listed in OA 11557, and a few notices conclude the issue. Misleading is the statement of *J. Silsby* (p. 87): in a WDA advertisement she is criticizing the fees of the “other int. odonatol. societies”, but she fails to tell that for the semiannual fee of £ 15.— the WDA members are to get a single issue of a xeroxed newsletter, which makes the WDA by far the most expensive of the existing odonatol. societies. The membership there is also not free, but rather subject to the selective acceptance by the self-appointed Board.
- (11704) GORB, S.N., 1997. Directionality of tandem response by males of a damselfly, *Coenagrion puella*. *Adv. Ethol.* 32: 138 [abstract only]. – (Dept Insect Physiol., Schmalhausen Inst. Zool., Chmelnickogo 15, UKR-252601 Kiev).
[Almost verbatim:] Information about the role of visual cues in sexual recognition may aid to understand preferences in mate choice. This study tested the directionality of ♂ tandem response using 25 models of 4 types: (1) bodies of intact insects; (2) models of painted ♂♂ and ♀♀; (3) models of ♂-♀ chimeras; (4) models of ♀ body parts. The directionality of the response shows which part of the model a ♂ is attracted to. In total, 4826 responses of about 120 ♂♂ were scored. Tandem response was mainly directed to behind for gynochrome ♀ models (66.4%, n=119), for models with a ♀ abdomen (74.7%, n=537), and for those with a ♂ abdomen painted black (55.1%, n=69). Absence of the ♀ abdomen or presence of a ♂ abdomen decreased the number of tandem responses directed to behind (23.6%, n=127). Models which showed only a ♀ head were taken mainly from the front by the ♂♂ (62.2%, n=74), and those with only a ♀ thorax were taken from the side (41.2%, n=68). The directionality of tandem responses for gynochrome and androchrome ♀♀ were significantly different ($\chi^2 = 25.2$, df=2, p<0.001, n=226). In conclusion, *C. puella* ♂♂ are able to recognise their mate visually by a part of a ♀ image which is unusual for Odon. Presumably, this mechanism enables a ♂ to recognise androchrome ♀♀ as mates.
- (11705) GORB, S.N., 1997. Porous channels in the cuticle of the head-arrester system in dragon/damselflies (Insecta: Odonata). *Microsc. Res. Techn.* 37: 583-591. – (Dept Insect Physiol., Schmalhausen Inst. Zool., Chmelnickogo 15, UKR-252601 Kiev).
The ultrastructure of the porous channels of the postcervical sclerite, which provides additional head fixation to the neck in adult odon., was studied in *Lestes barbara*, *Ischnura elegans*, *Aeshna mixta* and *Sympetrum sanguineum*, using TEM and high resolution SEM microscopy. The morphology is described

- in detail, and the porous channel system is interpreted as a device transporting adhesive excretions from the epidermal cells to the cuticular surface.
- (11706) HACET, N. & N. AKTAÇ, 1997. Istranca Dağları Odonata faunası. – Odonata fauna of Istranca mountains. *Turk. J. Zool.* 21: 275-289. (Turkish, with Engl. s.). – (Biyoloji Bölümü, Fen-Edebiyat Fakültesi, Trakya Univ., Edirne, Turkey).
From 39 localities in this region, Thrace, European Turkey, 33 spp. are listed, field notes are supplied, and a biogeographic analysis of the fauna is attempted. *Pyrhosoma nymphula* and *Aeshna cyanea* are for the first time recorded from the province.
- (11707) HAGEMANN, I. & F.F. STEININGER, [Eds], 1997. *Alles was fliegt in Natur, Technik und Kunst*. Senckenberg, Frankfurt/Main. vi+138 pp. ISBN 3-7829-1143-1 [Kleine Senckenberg-Reihe No. 23].
The book is to accompany the Senckenberg Mus. exhibition of the same name. A chapter on dragonfly flight appears on pp. 54-56, with references to the Order at appropriate places elsewhere as well.
- (11708) HÄMÄLÄINEN, M., 1997. Forgotten names in the nomenclature of European Calopteryx species (Odonata: Calopterygidae). *Opusc. zool. flumin.* 157: 1-6. – (Sunankalliontie 13, FIN-02760 Espoo).
The status of the names (in the original form), *Calepteryx inornata* Selys, 1840, *Calopteryx virgo* var. *occitanica* Walker, 1853 and *Calopteryx splendens* var. *ancilla* var. *fortuita* Walker, 1853 is discussed. *Inornata* is ranked as a junior synonym of *v. virgo* (Linnaeus, 1758). *Occitanica* Walker, 1853 as a senior synonym has priority over *meridionalis* Selys, 1873. *Fortuita* is ranked as an infrasubspecific name.
- (11709) HANCOCK, E.G., 1997. Scottish insect records for 1995. *Glasgow Nat.* 23(2): 25-29. – (Art Gallery & Mus., Kelvingrove, Glasgow G3 8AG, UK).
Lists records for 3 odon. spp.
- (11710) HARITONOV, A.Yu., 1997. Strekozy (Odonata). In: S.J. Tsalolikhin, [Ed.], Key to freshwater invertebrates of Russia and adjacent lands, Vol. 3, pp. 221-246, pls 21-37 excl. (pp. 330-363). *Zool. Inst., Russ. Akad. Sci., St Petersburg*. ISBN none. (Russ.). – (Book is available from the Eds of *Odonatologica*, P.O. Box 256, NL-3720 AG Biltoven).
A comprehensive key to the larvae, with habitat annotations.
- (11711) HARITONOV, A.Yu. & O.N. POPOVA, 1997. Redkie vidy strekoz Novosibirskoy oblasti. – [Rare dragonfly species of Novosibirsk district]. *Tez. Dokl. I mezreg. nauch.-prakt. Konf. Probl. Sohran. biol. Raznoobraz. yuzh. Sibir.*, Kemerovo, pp. 100-101. (Russ.). – (Inst. Anim. Syst. & Ecol., Siberian Brch, Russ. Akad. Sci., Ul. Frunse 11, RUS-630091 Novosibirsk).
54 spp. were so far evidenced in the district, 23 of these are considered rare, or have the border of their range within the region. A list is not given.
- (11712) HIIRONNIEMI, K., 1997. *Nuukсион suojeltavaa luontoa: uhanalaiset eläimet ja kasvit. – Nature and wildlife in the Nuukσιο area: threatened fauna and flora*. Espoon ympäristökeskus ja Metsähallitus, Espoo. 44 pp. ISBN 951-53-1211-6. (Finn., with Engl. s.). – (Publishers: Espoon ympäristökeskus, P.O. Box 20, FIN-02771 Espoo).
The Nuukσιο National Park covers some 3100 ha (to be increased to ca 5000 ha) in northern Espoo and in the surrounding areas of Vihti and Kirkkonummi, Finland, representing an amazing wilderness nr Helsinki. It harbours ca 35 odon. spp. (evidenced by Dr M. Hämäläinen). *Aeshna crenata*, declining in Finland, is listed as threatened (pp. 4-5). Due to the EU directives, *Leucorrhinia albifrons* and *L. caudalis* are also listed (pp. 36-39), though these are not threatened in Finland.
- (11713) HILFERT, D., 1997. Motivation as a mechanism to optimise mating success in Calopteryx (Odonata: Calopterygidae). *Adv. Ethol.* 32: 235 [abstract only]. – (Zool. Inst., Techn. Univ., Fasanenstr. 3, D-38092 Braunschweig).
[Almost verbatim:] Hand-pairing and density variation in field enclosures were used to manipulate the motivation of ♂ *C. splendens* and *C. haemorrhoidalis*. When the ♂♂ had the opportunity to copulate, they became territorial earlier in the morning or stayed so longer in the evening, while the other ♂♂ were feeding (n=50). They also fought longer and mostly successfully (75%, n=20), even if they had been inferior prior to the mating. The mean fight duration in the neighbouring territorial ♂♂ was 12.9 s (n=278), as to 17.7 s (n=83) between the territorial ♂♂ and the intruders. Fights were significantly longer (44.1 s, n=63) when a territorial ♂ was captured and released after another ♂ has taken over his territory. After hand pairing, the old and disabled individuals could establish a

territory and win the territorial contests; sneakers and lurkers at oviposition sites changed their tactics and became territorial. The motivation is also influenced by the territory ownership, fight winning, spider and frog predation, and by the wind and human disturbances. These and other endogenous factors represent a control mechanism, leading to different mating tactics that optimise the mating success in Calopteryx.

- (11714) *JOURNAL OF THE BRITISH DRAGONFLY SOCIETY*, Vol. 13, No. 2 (Oct. 1997). – (c/o Dr W.H. Wain, Haywain, Holywater Rd, Borden, Hants, GU35 0AD, UK).

Beynon, T.G.: *Leucorrhinia dubia* (Vander Linden) at Chartley Moss NNR, Staffordshire, in 1996 (pp. 33-40); – *Parr, A.J.*: Migrant and dispersive dragonflies in Britain during 1996 (pp. 41-48); – *Shaw, M.R. & R.R. Askew*: Obituary: Andrew Rodger Waterson O.B.E. (1912-1996) (pp. 48-50; with bibliography); – *Gladwin, R.T.W.*: The error in treating the Great Emerald Damselfly *Lestes viridis* (Vander Linden) as a British species (pp. 50-51); – *Brooks, S.J., A. McGeeney & S.A. Cham*: Time-sharing in the male Downy Emerald, *Cordulia aenea* (L.) (Corduliidae) (pp. 52-57); – *McGeeney, A.*: Red-veined Darter *Sympetrum fonscolombi* (Sélys), confirmed breeding in Britain in 1996, and notes on exuviae (pp. 57-59); – *Ward-Smith, J.*: Records of *Sympetrum fonscolombi* (Sélys) and *Sympetrum vulgatum* (L.) for the summer of 1995 (pp. 59-60); – *Paine, A.*: Notes and observations (p. 61); – *Silsby, J.S.J. Brooks*: Book reviews (pp. 61-63); – *Recent odonatological publications* (pp. 63-64).

- (11715) KALKMAN, V./VAN DER WEIDE, M./WASSCHER, M./KETELAAR, R., 1997. Het libellenproject: wat gaat er mee gebeuren? *Amoeba, Amst.* 71(3): 100-103. (Dutch). – (First Author: Oude Rijnsburgerweg 38, NL-2342 BC Oegstgeest).

A collection of 4 articles: *V.K.* is presenting some considerations on the situation in, and the tasks of the Netherlands homestead odonatology after the mapping scheme has been recently concluded. *V.D.W.* and *M.W.* are giving small, concise "monographs" on, resp. *Orthetrum cancellatum* and *Coenagrion pulchellum* in the Netherlands; the texts are apparently intended to serve as a model for the forthcoming treatment of the national fauna. *R.K.* is contributing a brief outline of the forthcoming monitoring project.

- (11716) KENNER, R.[D.] & I. LANE, 1997. Photo-

graphic records for Lower Mainland dragonflies. *Discovery, Vancouver* 26(2): 51-53. – (First Author: 5560 Linscott Court, Richmond, BC, V7C 2W9, CA; – Second Author: c/o Spencer Ent. Mus., Dept Zool., Univ. Brit. Columbia, BC, V6T 1Z4, CA).

Pachydiplax longipennis (1 ♀, Burnaby Lake, 18-VIII-1992) and *Tanypteryx hageni* (1 ♂, "on a field trip to Hollyburn Mountain", 10-VIII-1996) are recorded from the British Columbia Lower Mainland, Canada. For the local records of the former see OA 11661, those of the latter sp. are reviewed in the present paper.

- (11717) "KIMMINSIA. A newsletter for wandering U.K. & 'Commonwealth' odonatists, Vol. 8, No. 2" (Nov. 1997). Published & distributed privately, by J. Silsby, Purley, UK). – (Correspondence and inquiries to: G.S. Vick, "Crossfields", Little London, Basingstoke, Hants, RG26 5ET, UK).

[Not supplied for abstracting.] – The name and the serial issue numbers are those of the newsletter of the SIO National Office in the United Kingdom, as published since 1990 (cf. OA 7287). Its former Editor, Mrs J. Silsby, was unable to accept the decisions, promulgated by the majority membership vote at the Plenary Business Meeting of the Society (July 1997), therefore she has resigned from the SIO. As it appears, she is attempting to continue the publication of the newsletter, as a personal property and venture, usurping its name and issue sequence, which certainly is a rather unique case in the publishers' world. In the subtitle, the reference to the SIO newsletter is replaced by an arbitrary fancy text. – Most of the issue is authored by *J. Silsby*. On p. 14, there is a statement by *V. McMillan & J. Rith*, that the 15th Int. Symp. Odonatol. (1999) "will be affiliated to the WDA", which is a grave violation of the statement made at and agreed to by the 14th Int. Symp. Odonatol. (1997). – Some faunistic or other useful information is contained in the articles, *Mackenzie Dodds, R.*: National Dragonfly Museum (pp. 10-11); – *Pryce, D.J.*: The dragonflies of Andalusia (pp. 11-12); and – *Allen, P.*: Dragonfly Society of the Americas meeting June 1997 (pp. 12-13). – The legitimate Editor of the SIO newsletter is G.S. Vick (address as above).

- (11718) KREKELS, R., 1997. Zeldzame libellen. – [Rare dragonflies]. *Natuurbehoud* 28(4): 10. (Dutch). – (Author's address not stated.).

Sympetrum depressiusculum and *S. pedemontanum* are recorded "in large numbers" from Plateaux, Noord Brabant prov., The Netherlands; 1997, without exact

date.

- (11719) LIN, S.C., 1997. Notes on high mountain dragonfly, *Aeshna petalura taiyai* Asahina. *Nat. Conserv. Q.* 17: 53-55. (Chin., with Engl. title). – (For Author's address see OA 11640). [Abstract not available]; – Taiwan.
- (11720) LINDEBOOM, M., 1997. Evolution of sperm removal in Odonata. *Adv. Ethol.* 32: 230 [abstract only]. – (Zool. Inst., Univ. Tübingen, Auf der Morgenstelle 28, D-72076 Tübingen). [Abridged:] All extant odon. have a secondary copulatory apparatus, which represents an uncontested autapomorphy of the Order. Within the 3 main monophyletic groups (Anisoptera, Zygoptera, Anisozygoptera), 3 different, non-homologous structures serve as a copulatory organ. Their evolution, combined with the sperm removal mechanisms, has been so far largely neglected. There is evidence that sperm removal has evolved at least 3 times in the Order, as suggested by a detailed analysis in *Namurotypus sippeli* (Upper Namutian), *Tarsophlebia eximia* (Upper Jurassic) and the extant *Epiophlebia* spp.
- (11721) LITT, R., 1997. La capture des proies de la larve d'*Aeschna cyanea* Müller (odonate, anisoptère). *Revue verviét. Hist. nat.* 1997(3): 61-64. – (rue Libon 17, B-4800 Verviers). In captivity, the response of an ultimate instar larva was tested by offering various kinds of prey, of various sizes and at different distances.
- (11722) LIU, Y.T. & Z.C. CHAN, 1997. *The ecological investigation and raise of dragonfly in southern Pingtung area [Taiwan]*. Graduate thesis, Natn. Ping-Tung Univ. Sci. & Technol., Taiwan. 21 pp. (Chin., with Engl. s.). – (Second Author: Dept Plant Protective Technol., Natn. Ping-Tung Univ. Sci. & Technol., 1 Hsueh-Fu Rd, Nei Pu, Ping-Tung, Taiwan, ROC). 52 spp., referable to 13 fams were investigated, 9 of which are for the first time recorded from the region.
- (11723) LÜCKMANN, J., 1997. Die Libellenfauna an einem Restloch im Tagebaugbiet Delitzsch-Südwest/Sachsen (Odonata). *Ent. Nachr. Ber.* 41(2): 133-135. – (Bonnenkamp 32, D-48167 Münster). A commented list of 20 spp., incl. *Anax parthenope* and *Sympetrum fonscolombii*; late June-early Sept. 1996; – Leipziger Tieflandsbucht, Saxony, Germany.
- (11724) MADSEN, H.O.R. & A. NEL, 1997. Two new fossil species of Gomphaeschna Selys, 1871 in the Paleocene/Eocene of Denmark (Odonata: Aeshnoidea). *Annlis Soc. ent. Fr.* (NS) 33(3): 285-293. (With Fr. s.). – (First Author: Frydsbrøndvej 31, DK-7900 Nykøbing Mors). *G. paleocenica* sp. n. and *G.(?) danica* sp. n. are described from a calcareous concretion of Esersley Moclay, Upper Paleocene/Lowermost Eocene(?). The holotypes are in the coll. of the first Author.
- (11725) MALANGPO. Newsletter of the Thai National Office of the International Odonatological Society (S.I.O.), No. 14 (Nov. 1997). – (c/o Bro. A. Pinratana, St Gabriel's Coll., 565 Samsen Rd, Bangkok-10300, Thailand). *Hämäläinen, M.*: Phu Kradung, a marvellous dragonfly site (pp. 111-115); – *Hämäläinen, M. & S. Divasiri*: *Rhinocypha arguta* Hämäläinen & Divasiri, 1997 (pp. 115-117); – *Donnelly, N.*: Farango 96: Thailand revisited and Vietnam added to our list (pp. 117-122); – Through darkest Borneo (and Malaysia) with net and camera (pp. 123-125, 125-128); – *Catling, P.M. & P.D. Pratt*: An expanding "race" of the Azure Bluet, *Enallagma aspersum*, in Ontario? [Canada] (p. 125); – *Suitbut, S.*: 'Malaeng por' watching for beginners (p. 129; reprinted from *Bangkok Post*, Outlook Sect., 11 Sept. 1997); – *Daigle, J.J.*: Hawaii calls (p. 130).
- (11726) MARTENS, A. & W. WIMMER, 1997. Die Pokaljungfer *Cercion lindenii* (Selys) im nördlichen Vorharz (Odonata: Coenagrionidae). *Braunschweig. naturk. Schr.* 5(2): 343-352. (With Engl. s.). – (First Author: Zool. Inst., Techn. Univ., Fasanenstr. 3, D-38092 Braunschweig; – Second Author: Am Spring 14, D-38259 Salzgitter-Lobmichterschen). In 1993-1996, the sp. was recorded from 6 localities in the northern Harz Mts, Lower Saxony, Germany. Details on habitat, behaviour and predation are provided, and a consecutive dispersal of the sp. is expected.
- (11727) MARTINIA. Bulletin des odonatologues de France, Vol. 13, No. 3 (Sept. 1997), No. 4 (Dec. 1997). – (c/o J.-L. Dommangot, 7 rue Lamartine, F-78390 Bois-d'Arçay). No. 3: *Grand, D.*: *Somatochlora meridionalis* Nielsen, 1935 (Odonata, Anisoptera): analyse bibliographique et compléments biologiques (pp. 67-86); – *Arnaboldi, F.*: Note sur les odonates de la Forêt de Rambouillet (département des Yvelines) (p. 86); – *Milcent, J.-P. &*

- J.-L. Dommanger*: Etude odonatologique d'une section du Tarn et de l'un de ses tributaires (département de l'Aveyron) (pp. 87-100). – No. 4: *Le Calvez, V.*: Les odonates de la Seine-Saint-Denis: premier bilan des observations (pp. 103-106); – *Kerihuel, C.*: Migration d'*Hemianax ephippiger* (Burmeister, 1839) dans le département de l'Aude (Odonata, Anisoptera, Aeshnidae) (p. 106); – *Meurgey, F.*: Les piscines: un milieu non conventionnel de ponte pour les odonates (pp. 107-109); – *Dommanger, J.-L. & G.C. Luquet*: Nouvelle observation de *Sympetrum meridionale* (Sélys, 1841) en Ile-de-France (Odonata, Anisoptera, Libellulidae) (p. 110); – *Vigneron, P.*: Quelques odonates observés dans le nord du massif de Fontainebleau (département de Seine-et-Marne) (pp. 111-112); – *Faton, J.-M.*: Les libellules du département de la Drôme, saison 1997 (pp. 113-118); – *Lett, J.M.*: *Anax parthenope* (Sélys, 1839): espèce nouvelle pour le département de Loir-et-Cher (Odonata, Anisoptera, Aeshnidae) (p. 118); – *Charrier, M.*: Sur l'émergence de *Sympetrum danae* (Sulzer, 1776) dans l'Anjou armoricain (Maine-et-Loire) (Odonata, Anisoptera, Libellulidae) (pp. 119-121); – *Chalons, J.-C.*: *Ceragrion tenellum* (de Villers, 1789) et *Sympetrum danae* (Sulzer, 1776) en forêt domaniale de Fontainebleau (département de Seine-et-Marne) (p. 122); – *Papazian, M.*: *Onychogomphus forcipatus unguiculatus* (Vander Linden, 1820) victime du frelon (*Vespa crabro*, L., 1758) (Odonata, Anisoptera, Gomphidae; Hymenoptera, Apocrita, Vespidae) (pp. 123-125); – *Dommanger, J.-L.*: compte rendu: Journée "Libellules" en juin dernier au Viala-du-Tarn (département de l'Aveyron) (pp. 125-128); – Rubrique bibliographique (pp. 129-132); – *Heidemann, H.*: Analyse d'ouvrage: Die Binsenjungfern ... Europas, par R. Jödicke (pp. 132-136).
- (11728) MELIC, A., 1997. Faunística, diversidad y etología de los entomólogos españoles. *Bol. Soc. ent. aragon.* 19: 41-46. – (Avda Radio Juventud 6, ES-50012 Zaragoza).
In 15 Spanish nat. hist. and ent. periodicals, published in 1995, there are 143 papers of entomological contents, among these 3 are dealing with the odon.
- (11729) MERRITT, B., 1997. A note to dragonfly recorders. *J. Derbys. ent. Soc.* 129 (autumn): 10. – (321 Walton Back Lane, Chesterfield, Derbys., S42 7AB, UK).
The Author is to assume the office of the Derbyshire Dragonfly Recorder. Henceforth the "more interesting" Nottinghamshire records will also be covered.
- (11730) MONK, K.A., Y. DE FRETES & G. REKSODIHARJO-LILLEY, 1997. *The ecology of Nusa Tenggara and Maluku*. Periplus, Hong Kong. xviii+966 pp. ISBN 962-593-076-0.
A brief section on the odon. appears on pp. 332-333, while in the Annexe, pp. 405-409, a preliminary, comprehensive and updated checklist is given of the spp. hitherto evidenced from the Lesser Sunda Isls and the Moluccas (Indonesia), indicating the status of endemism and the occurrence per island. It is mainly based on the publications of the late Dr M.A. Lieftinck, and supplemented with the RMNH (Leiden) unpublished material, the local collections and pers. comm. from Dr J. Van Tol.
- (11731) MOORE, N.W., 1997. *Dragonflies: status survey and conservation action plan*. IUCN, Gland & Cambridge. vi+28 pp. ISBN 2-8317-0420-0. – (Available from: IUCN Publications Services Unit, 219c Huntingdon Rd, Cambridge, CB3 0DL, UK; – Author: Farm House, 117 Boxworth End, Swavesey, Cambridge, CB4 5RA, UK).
The aim of this work is to outline a realistic strategy for odon. conservation and to integrate dragonfly conservation with that of other organisms and habitats. It is hoped that the *Action Plan* will also be useful for odonatologists when they are seeking funds for carrying out odon. surveys, especially in centres of endemism. * Chapter (& subchapter) headings: "Dragonflies", "The number of dragonfly species and their classification", "Why should dragonflies be conserved?", "A strategy for conserving dragonflies" (Protected areas, Conserving habitats outside protected areas, Supporting measures, Interaction of the different elements of the conservation strategy), "Priorities" (Background, Immediate priority action, Research priorities for dragonfly conservation), "Priority action recommendations" (The completion of national networks of protected areas representing the principal habitat types of each nation, Studies on the status of endemic species in centres of endemism, Improvement of the listing of dragonflies in the *IUCN Red List of Threatened Animals*, Advice to national conservation organisations concerning species studied in the course of revising the list of dragonflies in the *IUCN Red List of Threatened Animals*, Collection of data on priority species from collections, Collection of data on priority species from published literature, Conservation of important collections of dragonflies), "References", "Key

- contacts”.
- (11732) *NAVASIA*. Noticiario de la Oficina ibérica de la Sociedad Internacional de Odonatología (S.I.O.) – Noticiario de Oficina ibérica da Sociedade Internacional de Odonatologia (S.I.O.), Córdoba, Vol. 6 (Sept. 1997). – (c/o Dr M. Ferreras-Romero, Depto Biol. Animal/Zool., Fac. Cien., Univ. Córdoba, Avda San Alberto Magno s/n, ES-14004 Córdoba). [Ferreras-Romero, M.]: Is dead S.I.O.? (pp. 1-2; “más que morir ...”); – [Autobiography] (pp. 2-3); – *Martin, R. & J. Pibernat*: Dos nuevas citas de *Ischnura graellsii* (Rambur, 1842) en la provincia di Gerona (pp. 3-5); – *Ferreras Romero, M./Jurzitza, G.*: [Book reviews of vols listed in OA 10991 & 11311] (pp. 5-6); – *Curiosidades odonatológicas* (pp. 6-7); – *Novidades de la odonatología ibérica* (pp. 7-10).
- (11733) *NEWSLETTER [OF THE] BRITISH DRAGON-FLY SOCIETY*, No. 32 Oct. 1997). – (c/o Mrs J. Silsby, 1 Haydn Ave, Purley, Surrey, CR8 4AG, UK). In addition to the management news and the 1995/1996 and 1996/1997 balance account, the 12 p. issue contains numerous news items, organised under the traditional headings, such as “Field meetings” (presenting many records, but using common names only), “News from the groups”, “Reviews”, etc. Of particular interest is a report on “The Rare Dragonfly Project in 1997”, in which 17 spp. are included, and which covers also migrants and, regionally, the spp. that may be extending their range.
- (11734) *NEWSLETTER [OF THE] CORNWALL DRAGONFLY GROUP*, No. 7 (May 1997). Compiled by S. Jones. Price: £ 2.50 net. – (c/o S. Jones, 25 Trevarrick Rd, St Austell, Cornwall, PL25 5JW, UK). Spring-bound, on 37 pp. (incl. 2 col. phot. & 4 hand-col. maps) the issue presents a gold-mine of information on the Cornwall (UK) dragonfly world. The first section (pp. 1-21) contains the latest county odonatol. news, along with the 1996 highlights. Of more than regional interest is the list of first and last dates for 24 Cornwall spp. (p. 21). This is followed by 4 itinerary maps of the 1997 field meetings of the Group. The final section is titled “Distribution maps for dragonflies in Cornwall”, showing the pre- and post-1980 records (2x2 km), updated to March 1997.
- (11735) *NORDISK ODONATOLOGISK FORUM NYHETSREVEJ – NORDIC ODONATOLOGICAL SOCIETY NEWSLETTER*, Vol. 3, No. 1 (July 1997). (Nordic languages, with Engl. s’s). – (c/o O.F. Nielsen, Søkildevvej 87, DK-8680 Ry). *Olsvik, H. & T. Hungnes*: *Cordulegaster boltoni* (Donovan, 1807) in western Norway (pp. 3-8); – *Olsvik, H. & B.P. Løfall*: Proposal on changes in the Norwegian Odonata Red Data List (p. 9); – *Hämäläinen, M. & P. Valtonen*: The distribution of Finnish dragonflies by biogeographical provinces (pp. 10-11); – *Olsvik, P.A.*: Varanger-Peninsula, an Odonata-free area in Norway? (pp. 12-13); – *Olsvik, H.*: In memoriam Gotfred Kvifte (p. 13); – *Nielsen, O.F.*: The Odonata of the Ry area (p. 14); – Third Annual Nordic Society Meeting (pp. 15-16); – *Olsvik, H.*: [Book notices] (p. 16); – Odonata of Møre & Romsdal, status after the 1996 season (p. 17); – *Løfall, B.P.*: Odonata in Østfold, Norway: new records and status 1996 (pp. 18-20); – *Olsvik, H.*: Among Epallage fatime Charp. in Turkey and *Lestes macrostigma* Eversm. in Greece (pp. 21-22). – *Mailing list* (p. 23).
- (11736) *NVL NIEUWSBRIEF*. Mededelingenorgaan van de Nederlandse Vereniging voor Libellenstudie, Vol. 1, No. 3 (Oct. 1997). (Dutch). – (c/o W.-J. Hoeffnagel, Krekelsemeent 72, NL-1218 ED Hilversum). From among the numerous noteworthy short articles and notes, only a few can be mentioned. *V. Kalkman, R. Ketelaar & M. van der Weide* report on the discovery of a *Sympecma paedisca* population at the Weerribben, the Netherlands (pp. 4-5). *P. Edelaar* is presenting his impressions from the 14th Int. Symp. Odonatol., Maribor, Slovenia (p. 7), and *K.-D. Dijkstra* et al. are presenting the results of a collecting trip in Slovenia and Austria (pp. 8-9).
- (11737) OBERLE, I., 1997. Vegetationsstrukturen von *Coenagrion ornatum* Habitaten einer mittelfränkischen Restpopulation. *ZALF Ber.* 32: 184 [abstract only]. – (Lehrst. Biogeogr., Univ. Bayreuth, D-95440 Bayreuth). Indicative abstract of a poster on a *C. ornatum* population SW of Nürnberg, Germany.
- (11738) The *OHIO DRAGON-FLIER*. Newsletter of the Ohio Odonata Society, Vol. 7, No. 3 (Sept. 1997). – (c/o B. Glotzhober, Ohio Hist. Soc., 1982 Velma Ave, Columbus, OH 43211-2497, USA). This is the new name of the valuable and with a great punctuality appearing periodical, the first 2 vols of which were issued under the name, *Dragonfly-Slayer’s Newsletter* (cf. OA 9788, 9792). Vols 3(1) through 7(2) continued as the *Dragon-Flier* (cf. OA 9713, 9801,

- 9978, 10037, 10156, 10266, 10414, 10745, 10841, 11084, 11166, 11442). – The present issue is bringing notes on *Anax longipes* and *Somatochlora hineana*, records from 3 field trips, various announcements, bibliographic notifications, etc.
- (11739) PLANTINGA, J.-E., 1997. Verspreiding van libellen in vennen van Zuid-Oost Friesland. – [Dragonfly occurrence in fens of SE Friesland, the Netherlands]. *Amoeba, Amst.* 71(4): 136-138. (Dutch). – (Nieuwe Blekerstraat 22a, NL-9718 EJ Groningen). *Sympetrum fonscolombii* and a few other records, mostly Dutch vernacular names, poor locality data and no precise date.
- (11740) RIDDIFORD, N. & J. MAYOL, 1997. Els odonats del Parc natural de s'Albufera. *Bull. Parc Albufera* 3: 63-67. (Catalan, with Engl. & Span. s's). – (Second Author: Parc Natural de s'Albufera, Mallorca, Balears, Spain).
15 spp. are listed from the Albufera Nature Park, Mallorca, Balearic Isls, Spain, incl. *Sympetrum sanguineum*, not recorded previously from the archipelago.
- (11741) RÜPPELL, G. & D. HILFERT, 1997. Alternative mating tactics in *Calopteryx splendens* (Odonata: Calopterygidae). *Adv. Ethol.* 32: 47 [abstract only]. – (Zool. Inst., Techn. Univ., Fasanenstr. 3, D-38092 Braunschweig).
[Almost verbatim; tab. omitted:] In northern Germany and in southern France the sp. exhibits alternative reproductive behaviours, without courting, viz.: (a) ♂♂ attack ♀♀ at roosting sites, taking advantage of their better warming-up. ♀♀ try to avoid ♂♂ by coming late, by defense, escape, and aggregating. Copulations per ♂ were 0.19 (n=7) in Germany and 0.03 (n=13) in France; – (b) ♂♂ lurk at potential oviposition sites. In Germany they even grasp ♀♀ under water. ♀♀ try to avoid ♂♂ by entering territories unnoticed, by aggregating or submerging quickly; – (c) Other tactics included lurking at the river bank, splitting couples, and pursuing. – Copulation duration correlates with air temperature. In the evening the ♂♂ succeeded more often in copulating without courtship than they did in the morning. In the northern climate, ♂ and ♀ behaviour is more intense, thus 18.05% of individuals were injured in Germany, as to only 12.97% in France. – In contrast to *splendens*, the southern *haemorrhoidalis* did not show any alternative mating behaviour in enclosures.
- (11742) ŠALAMUN, A., 1997. Kačji pastirji (Odonata) Škocjanskega zatoka in okolice. – Dragonflies (Odonata) from the Škocjan Bay and its surroundings. *Falco* 11: 35-40. (Slovene, with Engl. s.). – (Čevljarška 28, SI-6000 Koper).
27 spp. are listed from the surroundings of Koper, Istria, Slovenia. Their local occurrence, habitat preferences and status are stated and briefly discussed.
- (11743) SCHNEIDER, W. & A. KATBEH-BADER, 1997. Ein atypisches Weibchen von *Pseudagrion syriacum* Sélys, 1887 aus Jordanien (Odonata: Zygoptera: Coenagrionidae). *Ent. Z., Essen* 107(9): 391-394. (With Engl. s.). – (First Author: Zool. Abt., Hessisches Landesmus., Friedensplatz 1, D-64283 Darmstadt).
A ♀ *P. syriacum*, with an atypical pronotum is reported from Jordan. Normally, in this sp. the stylets are short, not longer than the base of the hind lobe. In the atypical specimen, they are twice as long, surpassing distinctly the groove between hind lobe and median lobes. The phenomenon is regarded as an atavism.
- (11744) SEAR, D., 1997. Annemieke Mein's textile sculptures. *Digest cult. Ent.* 4: 18-21. – (P.O. Box 796, Kalaheo, Kauai, HA 96741, USA).
Includes the reproduction of a fabric sculpture, showing a zygopteran copula, by this well known Australian designer.
- (11745) SELYSIA. Newsletter of the Societas Internationalis Odonatologica, Vol. 24, No. 1 (dated 1 Aug. 1996, mailed Feb./March 1997; edited by J. Silsby & M. Schorr), No. 2 (15 Feb. 1997; edited by J. Silsby & W. Schneider), Vol. 25, No. 1 (1 May 1997; edited by J. Silsby & W. Schneider). – (c/o J. Silsby, 1 Haydn Ave., Purley, Surrey, CR8 4AG, UK).
24(1) [scientific notes]: *Corbet, P.S.*: Peter Miller, a tribute (pp. 1-2); – *Valtonen, P. & M. Hämäläinen*: Present outlines of odonatology in Finland (pp. 2-3); – *Holmen, M.*: Annotations to Danish Odonata and odonatology (pp. 3-4); – *Spuris, Z.*: A short history of odonatology in Latvia (pp. 4-5); – *Bernard, R.*: Remarks on the odonatalogical situation and activities in Poland (pp. 5-6); – *Hanel, L.*: Dragonfly research in the Czech Republic (p. 6); – *Beschovski, V.*: Odonatology in Bulgaria, with special considerations to the rheophilous Bulgarian Odonata (pp. 6-8); – *Vintila, C.*: Odonatology in Romania (p. 8); – *Gorb, S.*: Odonatology in the Ukraine (p. 9); – *Dumont, H.J.*: The dragonfly fauna of the Caspian basin (pp. 9-10);

– Reinhardt, K.: Dragonfly hunting in Kazakhstan (pp. 10-12). – 24(2) and 25(1) deal with the constitutional reorganisation of SIO. – (The proposed new constitution has been rejected by the membership at the Plenary Business Meeting, Maribor, Slovenia, 14 July 1997, immediately whereupon P.S. Corbet, H.J. Dumont, H. Lohmann, M.J. Parr, J.-G. Pilon, W. Schneider and J. Silsby resigned from the society. With the Council discharged and new elections impossible, the President, K. Inoue then announced the reorganisation of SIO into a foundation. At that point, this was the sole possibility to save the organisation, which now continues all the traditional activities and services and commenced implementing new projects).

- (11746) *SELYSIA*. A newsletter of odonatology, Vol. 25, No. 2 (20 Sept. 1997). Published by the SIO Management Board (President K. Inoue), edited by Dr G. Bechly (online edition; e-mail address: GBechly@aol.com) & Dr R. Jödicke (printed edition; address: Grossenging 14, D-49699 Lindern), issued at irregular intervals, available from either of the Editors.

With this issue, the newsletter has reassumed its original subtitle, as defined by its founder, the late Prof. Dr Basil Elwood Montgomery, in 1963, and commenced appearing in simultaneous online and printed edns, published at irregular intervals. The present issue has 2 pp., bringing the messages of the SIO Officers, i.e. Secretary (R. Jödicke), President (K. Inoue), Webmaster (G. Bechly), Treasurer (M. Kiauta) & Editor (B. Kiauta). The newsletter is also included at the very exhaustive SIO website, URL: <http://members.aol.com/fsio/sio.htm>.

- (11747) SETA, K. & K. HANYU, 1997. Dragonflies in city parks. *Insectarium, Tokyo* 34(4): 110-113. (Jap., with Engl. title). – (Authors' addresses not stated).

[Abstract not available.]

- (11748) *SYMNET*. The newsletter of the Aka-tombo network, Ishikawa, No. 6 (3 March 1997). (Jap., Engl. & online edns). – c/o N. Ishizawa. 1644-15, Yamaguchi, Tokorozawa, Saitama, 359, JA).

[Titles & pagination from the Engl. edn:] Ueda, T.: An essay on 'Akitsu', being provoked by a picture of *Sympetrum darwinianum* (p. 1); – Rice farming with aka-tombo (p. 2); – Ishizawa, N.: *Sympetrum infuscatum* increased in metropolis (p. 3); – Tsubuki, T. & S. Ikeda: *Sympetrum infuscatum* sharply increased at the Yunomaru Heights, Nagano (p. 3); –

Ichihashi, H.: The first seeing day of *Sympetrum frequens* and the weather of the day at the summit of Mt Gozaisho (p. 3); – Ishizawa, N.: An observation on migrating *Sympetrum frequens* (pp. 3-4); – Tsubuki, T. & S. Ikeda: Comparison of behaviours of *Sympetrum infuscatum* with two other congeneric species (p. 4); – Uono, K.: *Sympetrum darwinianum* with glittering wings (p. 4); – Tsukamoto, C.: Dragonflies occurred from rice paddies at Nishinomiya city, Hyogo (p. 4); – Andoh, T.: Four species of Odonata that oviposit at rice paddies (p. 5); – Ueda, T.: On the increasing trends of *Sympetrum infuscatum* (pp. 6-7); – *Sympetrum frequens* at Omori Flood Controlling Pond in the Sayama Hills (p. 8); – Oginio, Y.: *Sympetrum frequens* at Omori Flood Controlling Pond (pp. 8-9); – Ishizawa, N.: *Sympetrum frequens* occurred from a spring pond for over a long period (pp. 10-11); – Letters, by H. Naraoka, Y. Takasaki, T. Ando, Y. Yamamoto, S. Ishida, T. Hondo, K. Matsuki, N. Anaze, M. Hirose, K. Murakami & S. Kondo (p. 12); * Ueda, T.: Editor's postscript (p. 12).

- (11749) TAIT, T.N., 1997. Odonata at Glen Moss, Kilmacolm. *Glasgow Nat.* 23(2): 58-59, cover pp. 1 & 4 (col. phot.). – (11 Rosshall Pl., Renfrew, PA4 0BA, UK).

Since 1982, 8 spp. were recorded at this undisturbed marshland locality in Renfrewshire, Scotland. Detailed circumstantial evidence is presented for each sp.

- (11750) TERZANI, F. & P. LO CASCIO, 1997. Odonati delle Isole Eolie (Insecta: Odonata). *Naturalista sicil.* (IV) 21(1/2): 39-43. (With Engl. s.). – (Mus. Zool. "La Specola", Univ. Firenze, Via Romana 17, I-50125 Firenze).

Anax imperator, *A. parthenope*, *Hemianax ephippiger*, *Crocothemis erythraea* and *Sympetrum striolatum* are recorded from the archipelago (Italy) for the first time, while *S. fonscolombii* has been known from there previously. Reproduction was evidenced for *A. imperator* and *C. erythraea* on Lipari Is. Due to the shortage and/or instability of the local wetlands, most individuals/spp. are considered immigrants.

- (11751) TRILAR, T., 1997. Projekt Slovenskega odonatološkega društva: Atlas kačjih pastirjev Slovenije. *Delo* (Knjiž. Listi) 39(228): 15. (Issue of 2 Oct.). (Slovene). – (Slovene Mus. Nat. Hist., P.O. Box 290, SI-1000 Ljubljana).

An exhaustive book review of the work listed in *OA* 11587.

- (11752) TYAGI, B.K., 1997. Dragonfly wealth of India: extant species, a preliminary systematic list. *Zoos' Print* 12(10): 3-10. – (D-4, Saraswati Nagar, P.O.: Kumb Ki Kothi, Jodhpur-342005, India).
The objective of this catalogue is "an attempt to offer to the Indian nature lovers a brochure of the dragonfly faunal wealth in the country". Ca 500 taxa and over 40 regional bibliographic key references are listed, and the work described in OA 10459 is considered. Whenever confirmed, the synonymies are also provided.
- (11753) VALLHONRAT, F., 1997. Volum dedicat al pare Longi Navàs i ferrer (1858-1938). *Trab. Soc. catal. Lepid.* 14 [1995-1996]: 3-6. (Catalan). – (c/o Societat Catalana de Lepidopterologia, A.C. 35.049, ES-08080 Barcelona, Catalunya).
Editorial introductory article in a volume dedicated to L. Navàs, with much information on his work in Catalonia, incl. some of his regional bibliography and his portrait.
- (11754) VAN TOL, J., 1997. The genus *Procordulia* in western Malesia (Odonata, Corduliidae). *Tijdschr. Ent.* 140(1): 133-146. – (Nat. Mus. Nat. Hist., P.O. Box 9517, NL-2300 RA Leiden).
The descriptions or diagnoses are provided of 8 spp. from the Lesser Sunda Isls, Java, Sumatra, Borneo, Celebes and Mindanao. These are keyed, and some biogeographical notes are supplied on the Malaysian, Philippine and the (s.str.) Indonesian taxa. As new are described: *P. lompobatang* sp. n. (holotype ♂: "H. Fruhstorf., Celebes mer"), *P. papandayanensis* sp. n. (holotype ♂: W. Java, 2250 m, Mt Papandajan, 9-VII-1934), and *P. rantemario* sp. n. (holotype ♂: SE Sulawesi, 30 km NE of Enrekan, SW slope of Go Rantemario, alt. 1800 m, 6/9-XI-1993). All holotypes are in RMNH, Leiden.
- (11755) VANUCCI LINS, L., A.B.M. MACHADO, C.M.R. COSTA & G. HERRMANN, 1997. Roteiro metodológico para elaboração de listas de espécies ameaçadas de extinção (contendo a lista oficial de fauna ameaçada de extinção de Minas Gerais). *Publicações avuls. Fund. Biodivers.* 1: x+50 pp. – (Second Author: Depto Zool.-Ent., Inst. Cienc. Biol., Univ. Fed. Minas Gerais, C.P. 256, BR-31270-901 Belo Horizonte, MG).
For the state of Minas Gerais, Brazil, the following odon. spp. are redlisted: *Mecistogaster asticta* Sel. (critically endangered), *Heteragrion petiense* Machado (endangered), *H. obsoletum* Sel. (endangered), *Aeshna eduardoi* Machado (vulnerable), and *Castoraeschna margarethae* Jurz. (endangered). The threat is species-wise specified. *Heteragrion dorsale* Sel. is considered "presumedly threatened".
- (11756) VERMEEREN, A. & M. POYCK, 1997. Dichter bij het gedicht. – [Closer to the poem]. *Vuursteen* 17(2): 46-47. (Dutch). – (First Author: Breespoor 121, NL-2908 AB Capelle a/d IJssel; – Second Author: De Kalder 61, NL-7576 WE Oldenzaal).
2 detailed analyses of a dragonfly haiku of A. STALMANS.
- (11757) WEIHER, B. & H. KOMNICK, 1997. Digestion of phosphatidylcholines, absorption and esterification of lipolytic products by *Aeshna cyanea* larvae as studied in vivo and in vitro. *Arch. Insect Biochem. Physiol.* 36(4): 273-293. – (Second Author: Inst. Cell Biol., Univ. Bonn, Ulrich-Haberland-Str. 61a, D-53121 Bonn).
Digestion and absorption of phosphatidylcholine were studied with the isolated digestive juice and isolated midgut. The experiments were performed with stable ether analogues (1-alkyl-2-acyl-, 1,2-dialkyl phosphatidylcholine, and 1-monoalkyl-lysophosphatidylcholine), with radioactive 1,2-diacyl-phosphatidylcholine alternatively labelled in the acyl and coline moieties, and with several phosphatidylcholine derivatives (1-[1-¹⁴C]acyl- and 1-[³H]alkyl-lysophosphatidylcholine, [1-¹⁴C]oleic acid, [2-¹⁴C]glycerol, phosphoryl[methyl-¹⁴C]choline, and [methyl-¹⁴C]choline). Chromatographic analyses of the digestion products revealed that phosphatidyl-choline was degraded via two interconnected hydrolytic pathways involving phospholipase C, phospholipase A₂, lipase, and alkaline phosphatase. Complete hydrolysis by these pathways yielded the same four end products: free fatty acid, glycerol, choline, and P_i, which were absorbed by the midgut enterocytes. Of the intermediate hydrolysates, lysophosphatidyl-choline, monoacylglycerol, and possibly phosphoryl-choline were also absorbed. Radiolabelled oleic acid, glycerol, lysophosphatidylcholine and monoacylglycerol (as judged from monoalkylglycerol absorption) were incorporated into phospholipids and acyl-glycerols of the midgut enterocytes and were released into the haemolymph primarily in the form of diacyl-glycerols. In the case of glycerol ingestion, a small fraction of haemolymph radioactivity was associated with free glycerol and glycerolphosphate. After absorption by the enterocytes, radiolabelled choline was partly oxi-

- dized to betaine, partly phosphorylated, and partly incorporated into lyso- and phosphatidylcholine. It was recovered from the haemolymph predominantly as free choline, phosphorylcholine, and betaine.
- (11758) WILLIAMS, D.D., N.E. WILLIAMS & Y. CAO, 1997. Spatial differences in macroinvertebrate community structure in springs in southeastern Ontario in relation to their chemical and physical environments. *Can. J. Zool.* 75(9): 1404-1414. (With Fr. s.). – (Div. Life Sci., Univ. Toronto, 1265 Military Trail, Scarborough, ON, M1C 1A4, CA).
The benthic macroinvertebrate communities of 20 springs were examined. The ocon. are considered orderwise only, and were solely encountered in a limnocene cedar woodland spring.
- (11759) WISCHHOF, S., 1997. *Zur Habitatwahl und Populationsdynamik von Leucorrhinia albifrons Burmeister, 1839 (Odonata)*. Dipl.Arb. Biol., Zool. Inst. & Mus., Univ. Hamburg. xx+10 pp. – (Kleiner Schäferkamp 16, D-20357 Hamburg).
The study was conducted in 1996, at a number of localities in SE Brandenburg, Germany, where *L. albifrons* was dominant (65% of the collected exuviae) in the odon. community of 34 spp. The ♂:♀ ratio was 54.1:54.9. The emergence took place between the last decade of May and the first decade of Aug. The sp. is considered a "spring sp." sensu Corbet, though the emergence did not occur synchronously. The reproductive period lasted 90 days (7 Jn-ne-5 Sept.). At moderate population density, the "per:her" ♂♂ are territorial, but the tolerance increased with the increased density. Reproductive behaviour, habitat choice and the features of larval habitats are described, and conservation aspects are discussed.
- (11760) WITTE, R. & P. GEENE, 1997. Een indicatie van de libelleninventarisatie in Zeeland in 1997. – [Towards dragonfly inventarisation in Zeeland in 1997]. *Zeeuwse Prikkebeen* 5(4): 23-26. (Dutch). – (Authors' addresses not stated).
In 1997, 21 spp. (incl. *Aeshna affinis*, *Crocothemis erythraea*, etc.) were recorded in Zeeland prov., The Netherlands, and the precise data on their abundance are presented. The estimated numbers of the individuals of most spp. were in 1997 higher than in 1996.
- (11761) XYLANDER, W.E.R. & R. STEPHAN, 1997. Zur Generationsfolge von *Sympetrum fonscolombei* und *Ischnura pumilio* (Odonata) in einem Braunkohletagebaugebiet in der Oberlausitz (Ostsachsen). *Verh. dt. zool. Ges.* 90(1): 401. (With Engl. title). – (Staatl. Mus. Naturk., Postfach 300154, D-2806 Görlitz).
In 1996, at a locality nr Görlitz, Upper Lusatia, Germany, adult *I. pumilio* occurred prior to the end of June and during mid Aug.-early Sept., and teneral *S. fonscolombii* in June, late Aug.-early Sept. and in mid Oct. These observations seem to indicate that at this particular locality and year, the 2 spp. had 2 generations. The phenomenon is discussed in some detail.
- (11762) YEH, W.-C., 1997. The Lindeninae dragonfly of Taiwan. *Nat. Conserv. Q.* 18: 32-36. (Chin., with Engl. title). – (Div. Forest Prot., Taiwan Forest Res. Inst., 53 Nan-Hai Rd, Taipei, Taiwan, ROC).
Ictinogomphus pertinax, *Sninctinogomphus clavatus*, *Gomphidia confluens*, and *G. kruegeri fukiensis* are described, illustrated and keyed.
- (11763) ZUB, P., K. FIEDLER & W.A. NÄSSIG, 1997. Zur Artenschutz-Problematik bei Insekten. *Natur Mus., Frankfurt* 127(5): 147-152. – (First Author: Karl-Kotzenberg-Str. 5, D-60431 Frankfurt/Main; – Second Author: Tierökologie I, Univ. Bayreuth, D-95440 Bayreuth; – Third Author: ForschInst. Senckenberg, Senckenberganlage 25, D-60325 Frankfurt/Main).
The problems of insect conservation are critically discussed. Habitat conservation is considered the sole means of effective population protection. Unlike vertebrates, the insects are adapted against massive natural predation, therefore an individual protection, as promulgated by the legislation in various countries, is senseless and ineffective. Its sole results are the overall decrease of interest in faunistics and taxonomy, and the subsequent lack of information on the status of the concerned taxa/populations in the field, therefore such legislation is considered contraproductive, evidently based on daily political requirements rather than on serious biological considerations.

1998

- (11764) ARGIA. The news journal of the Dragonfly Society of the Americas, Vol. 9, No. 4 (10 Jan. 1998). – (c/o Dr & Mrs T.W. Donnelly, 2091 Partridge Lane, Binghamton, NY 13903, USA).
[Signed articles:] *Novak, P.*: The Northeastern D.S.A. Meeting, Vermont/New York, June 21-22, 1997 (p. 3); – *May, M.*: International odonatology: participation and peaceful coexistence (pp. 3-5); – *Brunelle, P.* &

N. Donnelly: *Somatochlora brevicincta* in New Brunswick and Nova Scotia (p. 5); – *Beckemeyer, R.*: Some midwestern Odonata: records for 1997 (p. 6); – Some Nebraska Odonata: specimens in the University of Nebraska, Lincoln Insect Collection (p. 7); – *Donnelly, N.*: A hybrid *Ophiogomphus* (p. 7); – *Paulson, D.*: New Odonata records for Maine and New Hampshire (p. 7); – New Odonata records for Idaho (p. 8); – *O'Brien, M.F.*: *Stylurus spiniceps* finally verified for Michigan (Odonata: Gomphidae) (pp. 8-9); – *Somatochlora tenebrosa* not in Michigan (pp. 9-10); – *Cole, J.*: The second coming of *Argia lacrimans* (pp. 10-11); – *Nikula, B.*: *Neoneura amelia*, new to the United States (pp. 11-12); – *Tennesen, K.*: Ecuador IV – we learn some more (pp. 13-15); – *Donnelly, N.*: Ecuador epilogue: a trip to La Selva (pp. 15-16); – *Paulson, D.*: Dragonflies out of Africa (pp. 17-20); – *Holder, M.*: *Lestes forcipatus* oviposition (pp. 20-21); – *Beckemeyer, R.*: Space Age marvels (p. 21); – *Paulson, D.*: Specimens tell story of migration – but not longer? (p. 22); – *Beckemeyer, R.*: 1997 publication on Odonata of other lands (pp. 22-24); – *Donnelly, N.*: [Book reviews of the titles listed in OA 11624 & 11731] (pp. 24-25); – *Mauffray, B.*: Update from the IORI (pp. 25-26); – *Sones, J.*: *Tramea* (pp. 27-28; Web links). –

In addition to various announcements, etc., the issue also contains a brief (anonymous) obituary notice for Robert Alrutz, 1921-1997 (p. 2).

(11765) HERMANS, J., 1998. [Boekbespreking.] F. Bos & M. Wasscher, Veldgids libellen [...]. *Natuurh. Maandbl.* 87(1): 36. (Dutch). – (Hertenstraat 21, NL-6067 ER Linne).

A critical book review of the work listed in OA 11557.

(11766) JÖDICKE, R., 1998. Herbstphänologie mitteleuropäischer Odonaten. 2. Beobachtungen am Niederrhein, Deutschland. *Opusc. zool. flumin.* 159: 1-20. (Germ., with Engl. s.). – Grossenging 14, D-49699 Lindern).

In a systematical investigation during several years, 12 spp. were recorded from mid Oct. onwards. *Lestes virens vestalis* (20-XI), *L. viridis* (28-XI), *Aeshna cyanea* (23-XI), and *Sympetrum striolatum* (3-XII) were the last on wings. Additionally, autumnal records of all central European spp. are compiled from the literature and unpublished sources, and compared with the Lower Rhine situation. The results are discussed in terms of individual age, reproductive ability, and causes of mortality. – For pt 1 see OA 7716.