

## NEW AMPHIPOD TAXA IN AMPHIPOD NEWSLETTER 23

Wim Vader, XII-2001

All references are to papers found in the bibliography in AN 23

### A. Alphabetic list of new taxa

#### 1. New subfamilies

<i>Andaniexinae</i> Berge & Vader 2001	Stegocephalidae
<i>Andaniopsinae</i> Berge & Vader 2001	Stegocephalidae
<i>Bathystegocephalinae</i> Berge & Vader 2001	Stegocephalidae
<i>Parandaniinae</i> Berge & Vader 2001	Stegocephalidae

#### 2. New genera

<i>Alania</i> Berge & Vader 2001	Stegocephalidae
<i>Apolochus</i> Hoover & Bousfield 2001	Amphiloichidae
<i>Austrocephaloides</i> Berge & Vader 2001	Stegocephalidae
<i>Austrophippisia</i> Berge & Vader 2001	Stegocephalidae
<i>Bouscephalus</i> Berge & Vader 2001	Stegocephalidae
<i>Exhyaella</i> (rev.) (Lazo-Wasem & Gable 2001)	Hyaellidae
<i>Gordania</i> Berge & Vader 2001	Stegocephalidae
<i>Hourstonius</i> Hoover & Bousfield 2001	Amphiloichidae
<i>Marinohyaella</i> Lazo-Wasem & Gable 2001	Hyaellidae
<i>Mediterexis</i> Berge & Vader 2001	Stegocephalidae
<i>Metandania</i> (rev.) (Berge 2001)	Stegocephalidae
<i>Miramarassa</i> Ortiz, Lalana & Lio 1999	Aristiidae
<i>Othomaera</i> Krapp-Schickel, 2001	Melitidae
<i>Parafoxiphalus</i> Alonso de Pina 2001	Phoxocephalidae
<i>Pseudo</i> Berge & Vader 2001	Stegocephalidae
<i>Schellenbergia</i> Berge & Vader 2001	Stegocephalidae
<i>Stegomorphia</i> Berge & Vader 2001	Stegocephalidae
<i>Stegonomadia</i> Berge & Vader 2001	Stegocephalidae
<i>Zygomaera</i> Krapp-Schickel 2001	Melitidae

#### 3. New species and subspecies

<i>abei</i> (Anonyx) Takakawa & Ishimaru 2001	Uristidae
<i>abyssorum</i> (rev.) (Andaniotes) (Berge 2001 )	Stegocephalidae

<i>africana</i>	(Andaniopsis) Berge, Vader & Galan 2001	Stegocephalidae
<i>amchitkana</i>	(Anisogammarus) Bousfield 2001	Anisogammaridae
<i>americana</i>	(Andaniexis) Berge, Vader & Galan 2001	Stegocephalidae
<i>andresi</i>	(Listriella) Martin, Ortiz & Atienza 2000	Liljeborgiidae
<i>angulus</i>	(Bactrurus) Koenemann & Holsinger	Crangonyctidae
<i>antarcticus</i>	(Stegosoladidas) Berge 2001	Stegocephalidae
<i>aqabaensis</i>	(Megaluropus) Lyons & Myers 1993	Megaluropidae
<i>ascidicola</i>	(Amphilochus) Martin, Ortiz & Atienzo 2001	Amphilochidae
<i>barnardi</i>	(Apolochus) Hoover & Bousfield 2001	Amphilochidae
<i>barnardi</i>	(Carangolia) Jaume & Sorbe 2001	Urothoidae
<i>barnardi</i>	(Parhyaella) Lazo-Wasem & Gable 2001	Hyaellidae
<i>beatricis</i>	(Ingolfiella) Ruffo & Vonk 2001	Ingolfiellidae
<i>beringi</i>	(Stegocephalus) Berge & Vader	Stegocephalidae
<i>biljanae</i>	(Niphargus) Karaman 1998	Niphargidae
<i>blinni</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>boultoni</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>boxshalli</i>	(Stegocephaloides) Berge, Vader & Galan 2001	Stegocephalidae
<i>calypsonis</i>	(Stegocephaloides) Berge, Vader & Galan 2001	Stegocephalidae
<i>cellulanus</i>	(Bactrurus) Koenemann & Holsinger 2001	Crangonyctidae
<i>cherylae</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>complex</i>	(Stegosoladidas) Berge 2001	Stegocephalidae
<i>cowani</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>curroae</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>debroyeri</i>	(Stegosoladidas) Berge 2001	Stegocephalidae
<i>dentocoxa</i>	(Hornellia) Lyons & Myers 1993	cheirocratids
<i>drummondiae</i>	(Birubius) Taylor & Poore 2001	Phoxocephalidae
<i>duplus</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>ellisi</i>	(Gitana) Hoover & Bousfield 2001	Amphilochidae
<i>epistomus</i>	(Anisogammarus) Bousfield 2001	Anisogammaridae
<i>fontinalis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>forceps</i>	(Chelorchestia) Smith & Heard 2001	Talitridae
<i>galani</i>	(Maeracoota) Krapp-Schickel & Ruffo 2001	Melitidae
<i>gallowayae</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>glacialis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>gloriosa</i>	(Andaniexis) Berge, Vader & Galan	Stegocephalidae
<i>groehni</i>	(Niphargus) Coleman & Myers 2001	Niphargidae
<i>hartmani</i>	(Marinohyaella) Lazo-Wasem & Gable 2001	Hyaellidae
<i>heissleri</i>	(Birubius) Taylor & Poore 2001	Phoxocephalidae
<i>herbsti</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae

<i>hyporheicus</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>idahoensis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>imperialis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>interstitialis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>jemezensis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>kunkeli</i>	(Parhyalella) Lazo-Wasem & Gable 2001	Hyalellidae
<i>lanensis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>latus</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>ledoyeri</i>	(Stegocephaloides) Berge, Vader & Galan 2001	Stegocephalidae
<i>limbus</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>longicarpus</i>	(Parafoxiphalus) Alonso de Pina 2001	Phoxocephalidae
<i>longimerus</i>	(Aoroides) Ren & Chang 1996	Aoridae
<i>lowryi</i> (Andaniotes)	Berge 2001	Stegocephalidae
<i>lowryi</i> (Birubius)	Taylor & Poore 2001	Phoxocephalidae
<i>monai</i> (Caprella)	Guerra-Garcia, Sanchez-Moyano & Garcia-Gomez 2001	Caprellidae
<i>myersae</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>nashaensis</i>	(Ampelisca) Ren 1991	Ampeliscidae
<i>nisbetae</i>	(Parhyalella) Lazo-Wasem & Gable 2001	Hyalellidae
<i>occultus</i> ssp	(Niphargus pecarensis) Karaman 1998	Niphargidae
<i>omorii</i>	(Anonyx) Takakawa & Ishimaru 2001	Uristidae
<i>paramitis</i>	(Caprella) Guerra-Garcia, Sanchez-Moyano & Garcia-Gomez 2001	Caprellidae
<i>pelagica</i>	(Andaniexis) Berge, Vader & Galan 2001	Stegocephalidae
<i>pooh</i>	(Andaniotes) Berge 2001	Stegocephalidae
<i>poorei</i>	(Andaniotes) Berge 2001	Stegocephalidae
<i>priceae</i>	(Allorchestes) Hendrycks & Bousfield 2001	Hyalellidae
<i>protuberantis</i>	(Metharpinia) Alonso de Pina 2001	Phoxocephalidae
<i>pseudolinearis</i>	(Andaniotes) Berge 2001	Stegocephalidae
<i>pseudomucronatus</i>	(Bactrurus) Koenemann & Holsinger 2001	Crangonyctidae
<i>rallus</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>rauscherti</i>	(Acanthonotozomella) Coleman & Jäger 2001	Acanthonotozomellidae
<i>rauscherti</i>	(Antarctodes) Coleman & Kauffeldt 2001	Ochlesidae
<i>reoproii</i>	(Epimeria) Lörz & Coleman 2001	Epimeridae
<i>rickeri</i>	(Allorchestes) Hendrycks & Bousfield 2001	Hyalellidae
<i>rudolphi</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>ruffoi</i>	(Parhyalella) Lazo-Wasem & Gable 2001	Hyalellidae
<i>saltuaris</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae

<i>sanchezi</i>	(Miramarassa) Ortiz, Lalana & Lio 2001	Aristiidae
<i>shoemakeri</i>	(Hoplopheonoides) Ortiz, Lalana & Sanchez-Diaz 2000	Cyproideidae
<i>simplex</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>singularis</i>	(Caprellinoides) Guerra-Garcia 2001	Phtisicidae
<i>slatteryi</i>	(Anisogammarus) Bousfield 2001	Anisogammaridae
<i>spinitelson</i>	(Wildus) Lyons & Myers 1993	Phoxocephalidae
<i>staudei</i>	(Apolochus) Hoover & Bousfield 2001	Amphilochidae
<i>steelei</i>	(Parhyalella) Lazo-Wasem & Gable 2001	Hyalellidae
<i>takamodo</i>	(Cerapopsis) Menioui & Myers 2001	Isaeidae
<i>takeuchii</i>	(Caprella) Guerra-Garcia, Sanchez-Moyano & Garcia-Gomez 2001	Caprellidae
<i>trinus</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>trymi</i>	(Stegocephalina) Berge 2001	Stegocephalidae
<i>tzvetkovae</i>	(Anisogammarus) Bousfield 2001	Anisogammaridae
<i>utahensis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>urospinatus</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>wahkeenensis</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>wallisae</i>	(Birubius) Taylor & Poore 2001	Phoxocephalidae
<i>wardi</i>	(Stygobromus) Wang & Holsinger 2001	Crangonyctidae
<i>wilsoni</i>	(Bactrurus) Koenemann & Holsinger 2001	Crangonyctidae
<i>wilsoni</i>	(Birubius) Taylor & Poore 2001	Phoxocephalidae
<i>wimi</i>	(Metandania) Berge 2001	Stegocephalidae
<i>wollongong</i>	(Andaniotes) Berge 2001	Stegocephalidae
<i>youngi</i>	(Hyale) Serejo 2001	Hyalidae

## B. Systematic index to new amphipod genera and species in AN 23

This list covers all taxa indexed in AN 23, and follows similar indexes for AN 11-19 (in AN19, pp 37-51), AN 20, AN 21 and AN 22.

The rationale for my use of family names, for which there is as yet little agreement among taxonomists, has been spelled out in AN 21; it is entirely practical. here I have, however, split the Caprellidea and Lysianassoidea (but not the Eusiroidea and Hyperidea) into their constituent families.

Technical details: new taxa are written in capitals, '(rev.)' stands for older genera and species that have been revived, ssp stands for a taxon described with the rank of subspecies. new species are indexed in the genus in which they were

originally described, even when transferred to a different genus by a later author in AN 22.

A question mark before a genus name signifies that the family is somewhat uncertain; a question mark before a species name, that the genus is uncertain.

**Acanthonotozomellidae**

Acanthonotozomella RAUSCHERTI

**Ampeliscidae**

Ampelisca NASHAENSIS

**Amphilochidae**

Amphilochus ASCIDICOLA

APOLOCHUS BARNARDI, STAUDEI

Gitana ELLISI

HOURSTONIUS

**Anisogammaridae**

Anisogammarus AMCHITKANA, EPISTOMUS, SLATTERYI,  
TZVETKOVAE

**Aoridae**

Aoroides LONGIMERUS

**Aristiidae**

MIRAMARASSA SANCHEZI

**Caprellidae**

Caprella MONAI, PARAMITIS, TAKEUCHII

**cheirocratids**

Hornellia DENTOCOA

**Crangonyctidae**

Bactrurus ANGULUS, CELLULANUS, PSEUDOMUCRONATUS,  
WILSONI

Stygobromus BLINNI, BOULTONI, CHERYLAE, COWANI,  
CURROAE, DUPLUS, FONTINALIS, GALLAWAYAE,  
GLACIALIS, HERBSTI, HYPORHEICUS, IDAHOENSIS,  
IMPERIALIS, INTERSTIALIS, JEMEZENSIS, LANENSIS,  
LATUS, LIMBUS, MYERSAE, RALLUS, RUDOLPHI,  
SALTUARIS, SIMPLEX, TRINUS, UTAHENSIS,  
UROSPINATUS, WAHKEENENSIS, WARDI

**Cyprodeidae**

Hoplopheonoides SHOEMAKERI

**Epimeridae**

Epimeria reoproii

**Hyaellidae**

Allorchestes PRICEAE, RICKERI

EXHYALELLA

MARINOHYALELLA HARTMANNI

Parhyaella BARNARDI, KUNKELI, NISBETAE, RUFFOI, STEELEI

**Hyalidae**

Huale YOUNGI

**Ingolfiellidae**

Ingolfiella BEATRICIS

**Isaeidae**

Cerapopsis TAKAMODO

**Liljeborgiidae**

Listriella ANDRESI

**Megaluropidae**

Megaluropus AQABAENSIS

**Melitidae**

Maeracoota GALANI

OTHOMAERA

ZYGOMAERA

**Niphargidae**

Niphargus BILJANAE, GROEHNI, pecarensis OCCULTUS

**Ochlesidae**

Antarctodes RAUSCHERTI

**Phoxocephalidae**

Birubius DRUMMONDAE, HEISLERI, LOWRYI, WALLISAE,  
WILSONI

Metharpinia PROTUBERANTIS

PARAFOXIPHALUS LONGICARPUS

Wildus SPINITELSON

**Phtisicidae**

Caprellinoides SINGULARIS

**Stegocephalidae**

NB ANDANIEXINAE, ANDANIOPSINAE,

BATHYSTEGOCEPHALINAE, PARANDANIINAE

ALANIA

Andaniexis AMERICANA, GLORIOSA, PELAGICA

Andaniopsis AFRICANA

Andaniotes ABYSSORUM (rev.), LOWRYI, POOH, POOREI,  
PSEUDOLINEARIS, WOLLONGONG

AUSTROCEPHALOIDES

AUSTROPHIPPSIA

BOUSCEPHALUS

GORDANIA

MEDITEREXIS

METANDANIA (rev.) WIMI

PSEUDO

SCHELLENBERGIA

Stegocephalina TRYMI

Stegocephaloides BOXSHALLI, CALYPSONIS, LEDOYERI

STEGOMORPHIA

STEGONOMADIA

Stegosoladidas ANTARCTICUS, COMPLEX, DEBROYERI,

**Talitridae**

Chelorchestia FORCEPS

**Uristidae**

Anonyx ABEI, OMORII

**Urothoidae**

Carangolia BARNARDI

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Wim Vader January 2002

ABJORNSSON, K., J.DAHL, P. NYSTRÖM & C. BRONMARK 2000.

Influence of predator and dietary chemical cues on the behaviour and shredding efficiency of *Gammarus pulex*. ---- *Aquatic Ecology* 34, 379-387.

ADAMI, M.L. & S. GORDILLO 1999. Structure and dynamics of the biota associated with *Macrocystis pyrifera* (Phaeophyta) from the Beagle Channel, Tierra del Fuego. ---- *Scientia Marina* 63, Suppl. 1, 183-191.

ADLEM, L.T. & B.V. TIMMS 2000. Biogeography of the freshwater Peracarida (Crustacea) from Barrington Tops, NSW. ---- *Proceedings of the Linnean Society of New South Wales* 122, 131-144. (Not seen).

ALBERTSSON, J. & K. LEONARDSSON 2001. Deposit-feeding amphipods (*Monoporeia affinis*) reduce the recruitment of copepod nauplii from benthic resting eggs in the northern Baltic Sea. ---- *Marine Biology, Berlin* 138, 793-801.

ALONSO DE PINA, G.M. 2001. Two new phoxocephalids (Crustacea: Amphipoda: Phoxocephalidae) from the south-west Atlantic. ---- *Journal of Natural History* 35, 515-537. (Deals with *Parafoxiphalus longicarpus* n.gen, n.sp. and *Metharpinia protuberantis* n. sp. (both from Peninsula Valdez, Chubut, Argentina).)

ANDERSSON, B.S., J.W.HURST, B.M.PHILLIPS, R. FAIREY, C.A.ROBERTS, J.M.OAKDEN, H.M.PUCKETT, M. STEPHENSON, R.S.TJEERDEMA, E.R.LONG, C.J.WILSON & J.M.LYONS 2001. Sediment quality in Los Angeles Harbor, USA: A triad assessment. ---- *Environmental Toxicology & Chemistry* 20, 359-370. (Amphipod toxicity tests)

ARMONIES, W., E. HERRE & M. STURM 2001. Effects of the severe winter 1995/96 on the benthic macrofauna of the Wadden Sea and the coastal North Sea near the island of Sylt. ---- *Helgoland Marine Research* 55, 170-175. (Especially *Bathyporeia* spp and *Urothoe poseidonis* decreased sharply.)



AYON, D.P. & F.K.ARONES 1997. (Zooplankton and ichthyoplankton communities in front of Peruvian north-central coast. Cruise RV Humboldt 9705-06.) ---- *Inf. Inst. Mar Peru* 128, 70-79. (In Spanish, not seen. *Pronoe capito* and *Microphasma* sp. new to the area)

BACHMANN, V., J.N.BEISEL, P. USSEGLIO-POLATERA & J.C.MORETEAU 2001. Decline of *Dreissena polymorpha* in the river Moselle: biotic and abiotic key factors involved in dynamics of invasive species. ---- *Archiv für Hydrobiologie* 151, 263-281. (Concerns i.a. *Corophium curvispinum*)

BACHMANN, V., P. USSEGLIO-POLATERA, E. CEGIELKA, P. WAGNER, J.F.POINSAINT & J.C. MORETEAU 1997. Premières observations sur la coexistence de *Dreissena polymorpha*, *Corophium curvispinum* et *Corbicula* spp dans la rivière Moselle. ---- *Bulletin Française de Peche et Pisciculture* 344/345, 373-384.

BALDINGER, A.J. 2001. An additional record of *Podocerus chelonophilus* (Chevreux & De Guerne, 1888) (Crustacea: Amphipoda: Podoceridae) from a sea turtle off the coast of Ecuador. ---- *Polish Archives of Hydrobiology* 47, 441-455.

BARRIOS, J. & A. LEMUS 2000. (Structure and dynamics of the community associated to cultivated *Gracilariopsis tenuifrons* (Gracilariaceae) in Chacopata, Sucre, Venezuela. I. Faunistic inventory.) ---- *Revista de Biología Tropical* 48, Suppl.1, 137-143. (In Spanish. *Ericthonius brasiliensis* is a problem because of its massive tube building.)

BAT, L., M. AKBULUT, M. SEZGIN & M. CULHA 2001. On the occurrence of *Niphargus valachicus* Dobreaanu & Manolache, 1933 (Amphipoda, Gammaridae) in the western Black Sea region of Turkey. ---- *Turkish Journal of Zoology* 25, 235-239. (New to Turkey, in Sinop vilayet)

BAUER, A., S. TROUVE, A. GREGOIRE, L. BOLLACHE & F. CEZILLY 2000. Differential influence of *Pomphorhynchus laevis* (Acanthocephala) on the behaviour of native and invader gammarid species. ---- *International Journal for Parasitology* 30, 1453-1457. (*Gammarus pulex*, here native, and *G. roeselii*, here invading. Infected *pulex* is strongly photophilic, infected *roeselii* not at all!)

BELL, S.S., R.A.BROOKS, B.D.ROBBINS, M.S.FONSECA & M.D.HALL 2001. Faunal response to fragmentation in seagrass habitats: Implications for seagrass conservation. ---- *Biological Conservation* 100, 115-123.

BEREZIN, N.A., V.V.KHLEBOVICH, V.E.PONOV & N.V.ZAPAOROZHETS 2001. (Salinity tolerance of the amphipod *Gmelinoides fasciatus* (Stebb.), introduced into the gulf of Finland (Baltic Sea.) ---- *Doklady Akademii Nauk* 379, 366-368. (In Russian, not seen)

BERGE, J. 2001. Revision of *Stegosoladidas* Barnard and Karaman, 1987 (Crustacea: Amphipoda: Stegocephalidae), redescription of two species and description of three new species. ---- *Journal of Natural History* 35, 539-571. (Deals with *S. simplex*, *S. antarcticus* n.sp. (75°26'S, 16°27'W), *S. complex* n.sp. (38°18'S, 149°11'E), *S. debroyeri* n.sp. (same locality as *S. antarcticus*), and *S. ingens* (transferred from *Andaniotes*). The paper also contains remarks

on the classification of setae, and on their arrangement on mx1 and 2 and mxpd.)

BERGE, J. 2001. Revision of the amphipod (Crustacea: Stegocephalidae) genera *Andaniotes* Stebbing, 1897 and *Metandania* Stephensen, 1925. \_\_\_\_\_ *Journal of Natural History* 35, 787-832. (Deals with *Andaniotes abyssorum* (revived), *A. corpulentus*, *A. linearis*, *A. lowryi* n.sp. (Tasmania), *A. pooh* n.sp. (Eastern Subantarctic region), *A. poorei* n.sp. (42\*S, 148\*E), *A. pseudolinearis* n.sp. (Antarctic, 66-73\*S), *A. wallaroo*, *A. wollongong* n.sp. (34\*S, 151\*E), and *Metandania islandica*. The genus *Metandania* was long considered to be a junior synonym of *Andaniotes*.)

BERGE, J. 2001. Description of two new species of Stegocephalidae (Crustacea, Amphipoda): *Metandania wimi* and *Stegocephalina trymi*. ---- *Sarsia* 86, 213-220. (*Metandania wimi* n.sp. from 66\*37'N, 25\*23'W, *Stegocephalina trymi* n.sp. from 34\*20'S, 23\*30'W.)

BERGE, J., G. BOXSHALL & W. VADER 2001. Phylogenetic evolution of the Amphipoda, with special emphasis on the origin of the Stegocephalidae. ---- *Polish Archives of Hydrobiology* 47, 379-400. ( A hotly discussed paper in Heraklion! The Stegocephalidae are closest to the Lysianassoidea.. There seems to be little reason to retain the suborders Caprellidea and Hyperidea.)

BERGE, J. & W. VADER 2001. North Pacific species of the amphipod (Crustacea) family Stegocephalidae, with description of one new species and redescription of another. ---- *Journal of Natural History* 35, 985-1000. (Deals with *Phippsiella cascadiensis*, *Stegocephalexia penelope*, *Stegocephalopsis ampulla*, *S. mamillidacta*, and *Stegocephalus beringi* n.sp. (= *Phippsiella similis* s. Oldevig, 1959 pp). A key to all N.Pacific species is provided.)

BERGE, J. & W. VADER 2001. Revision of the amphipod (Crustacea) family Stegocephalidae. ---- *Zoological Journal of the Linnaean Society* 133, 531-592. (This is the final paper in Berge's comprehensive revision of the family. The 100 species are divided into five subfamilies as follows: Andaniexinae n. subfam., with *Andaniexis* (12 spp), *Andaniotes* (11 spp), *Glorandaniotes* (5 spp, transf. from *Andaniexis*), *Mediterexis* n. gen. (type and only species *Andaniexis mimonectes*), *Metandania* Stephensen (rev., 2 spp), *Parandaniexis* (6 spp, pp transf. from *Andaniexis*) and *Stegosoladidus* (5 spp). The subfamily Andaniopsinae n. subfam. contains *Andaniopsis* (3 spp, with *Andaniella* as a junior synonym), and *Steleuthera* (2 spp, one transf. from *Andaniopsis*). The Bathystegocephalinae n. subfam. are monotypic, as are the Parandaniinae n. subfam. (as *Euandania* is synonymized with *Parandania*). Finally, the Stegocephalinae contain *Alania* n.gen.(type *Stegocephaloides calypsonis*, with 3 spp, 2 of which are transferred from *Stegocephalus*), *Austrocephaloides* n. gen. (type *Stegocephaloides australis*, with 7 spp, all transf. from *Stegocephaloides*), *Austrophippisia* n.gen. (monotypic, type *Phippsia unihamata*), *Bouscephalus* n.gen. (monotypic, type *Stegocephalopsis mamillidacta*), *Gordania* n. gen. (type *Phippsiella minima*, 2 spp, transf. from *Phippsiella*), *Phippsia* (2 spp), *Pseudo* n.gen.( type *Phippsiella pseudophippsia*, 3 spp, all transf. from *Phippsiella*), *Schellenbergia* n. gen. (type *Stegocephaloides vanhoeffeni*, further sp. *S. pacifica*), *Stegocephalexia* (monotypic), *Stegocephalina* (4 spp; *Stegophippsiella* is a junior synonym), *Stegocephaloides* (now with only 5 spp), *Stegocephalus* (with *Phippsiella* and *Stegocephalopsis* as junior synonyms; with 9 spp), *Stegomorphia* n.sp. (monotypic, type *Phippsiella watlingi*), *Stegonomadia* n. gen. ( type *Stegocephalina biofar*; 3 spp, all transf. from *Stegocephalina*), and *Tetradeion*

(5 spp). An extensive discussion, as well as keys and zoogeographic data, are provided.)

BERGE, J., W. VADER & A. GALAN 2001. Type material of Stegocephalidae Dana, 1855 (Crustacea, Amphipoda) in the collections of The Natural History Museum, London, including the description of seven new species. ---- *Bulletin of the Natural History Museum, London (Zoology)* 67, 109-136. (Deals with *Andaniexis australis*, *A. americana* n.sp. (10°13'S, 80°05'W), *A. gloriosa* n.sp. (Madagascar), *A. pelagica* n.sp. (Cape Basin), *Andaniopsis africana* n.sp. (Cape Basin), *Bathystegocephalus globosus*, *Phippsiella rostrata*, *Stegocephaloides attingens*, *S. australis*, *S. calypsonis* n.sp. (10°38'N, 65°32'W), *S. boxshalli* n.sp. (off Cape Point, S.Afr.), and *S. ledoyeri* n.sp. (27°59'S, 32°41'E).)

BIANCHI, Th.S., B. JOHANSSON & R. ELMGREN 2000. Breakdown of phytoplankton pigments in Baltic sediments: effects of anoxia and loss of deposit-feeding macrofauna. ---- *Journal of Experimental Marine Biology & Ecology* 251, 161-183. (Mostly *Monoporeia affinis*)

BLUHM, B. 2001. Age determination in polar Crustacea using the autofluorescent pigment lipofuscin. ---- *Berichte zur Polar- und Meeresforschung* 382, 1-127. (Many data on Amph., especially *Waldeckia obesa*.)

BLUHM, B.A., TH. BERG & M. KLAGES, 2001. The autofluorescent age pigment lipofuscin: key to age, growth and productivity of the Antarctic amphipod *Waldeckia obesa* (Chevreux, 1900). ---- *Journal of Experimental Marine Biology and Ecology* 258, 215-235.

BLUHM, B.A., TH. BREY, M. KLAGES & W.E. ARNTZ 2001. Occurrence of the autofluorescent pigment, lipofuscin, in polar crustaceans and its potential as an age marker. ---- *Polar Biology* 24, 642-649.

BORGA, K., G.W. GABRIELSEN & J.U. SKAARE 2001. Biomagnification of organochlorines along a Barents Sea food chain. ---- *Environmental Pollution* 113, 187-198. (Organochlorines in i.a. *Parathemisto libellula*.)

(BOUSFIELD, E.) 2001. Norma Eleanor Jarrett, 1931-2001: A tribute. ---- *Amphipacifica* 3 (1), 1 (with list of publications)

BOUSFIELD, E.L. 2001. The amphipod genus *Anisogammarus* (Gammaroidea: Anisogammaridae) on the Pacific coast of North America. ---- *Amphipacifica* 3 (1), 29-48. (Deals with *Anisogammarus p. pugettensis*, *A. p. dybovskyi*, *A. slatteryi* n.sp. (Br. Col., Vancouver isl.), *A. epistomus* n.sp. (Br. Col., Vancouver isl.), *A. amchitkana* n.sp. (Amchitka, Aleutians), *A. tzvetkova* n.sp. (= *A. possjeticus* s. Tzvetkova, 1975 from Peter-the-Great Bay. NE Russia), and *Barrowgammarus macginitiei*.)

BOUSFIELD, E.L. 2001. An updated commentary on phyletic classification of the amphipod Crustacea and its applicability to the North American fauna. ---- *Amphipacifica* 3 (1), 49-119. (This paper reviews Bousfield's ideas about the phyletic classification of the amphipods, and extensively discusses a number of interesting characters, both morphological and behavioural. Table I (p. 67) gives a revised phyletic classification at superorder level, while appendix 1 (pp 75-119) furnishes a most welcome checklist of all American amphipods.)

BOUSFIELD, E.L. 2001. Biogeographical analysis of gammaridean amphipod faunas based on their phyletic classification. ---- *Polish Archives of Hydrobiology* 47, 335-351. (This tour de force is an analysis of N.American amphipod faunas, with Mediterranean, Antarctic and Japanese faunas as comparison.)

BOWDEN, D.A., A.A.ROWDEN & M.J.ATTRILL 2001. Effect of patch size and in-patch location on the infaunal macroinvertebrate assemblages of *Zostera marina* seagrass beds. ---- *Journal of Experimental Marine Biology and Ecology* 259, 133-154. (A study from Scilly Isl., SW England. Many Amphipoda)

BRANDT, A. 2001. Great differences in peracarid crustacean density between the Arctic and Antarctic deep seas. ---- *Polar Biology* 24, 785-689. (Density 1 magnitude higher in Arctic)

BRANDT, A. 2000. Hypotheses on Southern Ocean peracarid evolution and radiation (Crustacea, Malacostraca). ---- *Antarctic Science* 12, 269-275.

BREITHOLZ, M., C. HILL & B-E. BENGTSSON 2001. Toxic substances and reproductive disorder in Baltic fish and crustaceans. ---- *Ambio* 30, 210-216. (Many data on *Monoporeia affinis*.)

BRIX, K.V., D.G.HENDERSON, W.J.ADAMS, R.J.REASH, R.G.CARLTON & D.D.McINTYRE 2001. Acute toxicity of sodium selenate to two daphniids and three amphipods. ---- *Environmental Toxicology* 16, 142-150. (*Gammarus pseudolimnaeus*, *G. lacustris* and *Hyaella azteca*.)

BROOKS, R.A. & S.S.BELL 2001. Mobile corridors in marine landscapes: Enhancement of faunal exchanges at seagrass/sand ecotones. ---- *Journal of Experimental Marine Biology & Ecology* 264, 67-84. (A study on 14 amphipod species.)

BUND, W.J. van der, E.J.OLAFSSON, H. MODIG & R. ELMGREN 2001. Effects of the coexisting Baltic amphipods *Monoporeia affinis* and *Pontoporeia femorata* on the fate of a simulated spring diatom bloom. ---- *Marine Ecology Progress Series* 212, 107-115.

BURGOS, M.G. & P.S.RAINBOW 2001. Availability of cadmium and zinc from sewage sludge to the flounder, *Platichthys flesus*, via a marine food chain. ---- *Marine Environment Research* 51, 417-439. (i.e. via *Corophium volutator*)

CANIVET, V., P. CHAMBON & J. GIBERT 2001. Toxicity and bioaccumulation of arsenic and chromium in epigeal and hypogean freshwater macroinvertebrates. ---- *Archives of Environmental Contamination and Toxicology* 40, 345-354. (i.a. *Gammarus fossarum* and *Niphargus rhenorhodanensis*.)

CARDOSO, R.S. & V.G.VELOSO 2001. Embryonic development and reproductive strategy of *Pseudorchestoidea brasiliensis* (Amphipoda: Talitridae) at Prainha Beach, Brazil. ---- *Journal of Natural History* 35, 201-211.

CARTES, J.E., M. ELIZALDA & J.C.SORBE 2001. Contrasting life histories, secondary production, and trophic structure of peracarid assemblages of the bathyal suprabenthos from the Bay of Biscay (NE Atlantic) and the Catalan Sea



(NW Mediterranean). ---- *Deep-Sea Research I* 48, 2209-2232. (Many data on *Rhachotropis caeca*.)

CARTES, J.E., F. MAYNOU, N.B. MORALES, E. MASSUTI & J. MORANTA 2001. Trophic structure of a bathyal benthic-pelagic boundary layer community south of the Balearic Islands (southwestern Mediterranean). -- *Marine Ecology Progress Series* 215, 23-35.

CHARFI-CHEIKHROUHA, F., M. EL GTARI & M.F. BOUSLAMA 2001. Distribution and reproduction of two sandhoppers, *Talitrus saltator* and *Talorchestia brito* from Zouaraa beach-dune system (Tunisia). ---- *Polish Archives of Hydrobiology* 47, 621-629.

CHAVANICH, S. & K.A. WILSON 2000. Rocky intertidal zonation of gammaridean amphipods in Long Island Sound, Connecticut. ---- *Crustaceana* 73, 835-846.

CHEN, Q-ch, B-y CHEN & G-x. ZHANG 1978. (Pelagic amphipods in the vicinity of the Xisha islands and Zongsha islands.) ---- ????, 229-260. (In Chinese, ref. most incomplete. 49 spp treated.)

CHEN, R-x 1978. (A preliminary study of the Hyperiidia (Amphipoda) in the coastal waters of South-East China sea.) ---- ????, 68-96. (In Chinese, ref. incomplete. 13 spp)

CHRISTIANSEN, B. & B. MARTIN 2000. Observations on deep-sea benthopelagic nekton at two stations in the northern Arabian Sea: links to

organic matter supply? ---- *Deep-Sea Research. 2. Topical Studies in Oceanography* 47, 3027-3038. (*Eurythenes gryllus* dominant in traps).

COLEMAN, C.O. & I. JÄGER 2001. *Acanthonotozomella rauscherti* (Amphipoda: Acanthonotozomellidae), a new species from the Antarctic Ocean. ---- *Journal of Crustacean Biology* 21, 475-483. (Drake Passage, 1000 m).

COLEMAN, C.O. & J. KAUFFELDT 2001. *Antarctodes rauscherti*, a new species (Crustacea: Ochlesidae) from the Antarctic Ocean. ---- *Proceedings of the Biological Society of Washington* 114, 427-434. (from 73°37'S, 22°25'W)

COLEMAN, C.O. & A.A.MYERS 2001. New Amphipoda from Baltic amber. -- *Polish Archives of Hydrobiology* 47, 457-464. (Deals with *Niphargus* (*Phaenogammarus*) *groehni* n.sp. from Poland and *Palaeogammarus* sp..)

COSTA, F.O. & M.H.COSTA 2001. Review of the ecology of *Gammarus locusta* (L.). ---- *Polish Archives of Hydrobiology* 47, 541-559.

CRUZ-RIVERA, E. & M.E.HAY 2001. Macroalgal traits and the feeding and fitness of an herbivorous amphipod: the roles of selectivity, mixing, and compensation. ---- *Marine Ecology Progress Series* 218, 249-266. (The amphipod is *Ampithoe longimana*)

CYWINSKA, A., D. CRUMP & D. LEON 2000. Influence of UV radiation on four freshwater invertebrates. ---- *Photochemistry & Photobiology* 72, 652-659. (i.a. *Hyaella azteca*)

DALPADADO, P., N. BORKNER, B. BOGSTAD & S. MEHL 2001.

Distribution of *Themisto* (Amphipoda) spp in the Barents Sea and predator-prey interactions. ---- *ICES Journal of Marine Sciences* 58, 876-895. (*Th. abyssorum* and *Th. libellula*.)

DARNAUDE, A.M., M.L. HARMELIN-VIVIEN & C. SALEN-PICARD 2001.

Food partitioning among flatfish (Pisces: Pleuronectiformes) juveniles in a Mediterranean coastal shallow sandy area. ---- *Journal of the Marine Biological Association UK* 81, 119-127. (NW Mediterranean)

DAUBY, P., Y. SCAILTEUR & C DE BROYER 2001. Trophic diversity within the eastern Weddell sea amphipod community. ---- *Hydrobiology* 443, 69-86.

(An important paper, furnishing much new biological data material.)

DAUVIN, J. Cl. & J. CARBON 1999. Variabilité temporelle de la diversité des peuplements de sédiments fins de la Baie de Morlaix. ---- *Oceanis* 25, 343-375

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DE BROYER, C., P.-A. DUCHESNE, Ch v.d. LINDEN, F.v.ROOZENDAEL, K. JAZDZEWSKI, J. SICINSKI, C. JOMAR, G. CHAPELLE, P. DAUBY, Th. KUYKEN, F. NIJSSEN & H. ROBERT 2001. Ant'phipoda', the biodiversity reference centre for Antarctic Amphipoda: A tool for developing and managing Antarctic marine biodiversity information. ---- *Polish Archives of Hydrobiology* 47, 657-669.

DE BROYER, C., Y. SCAILTEUR, G. CHAPELLE & M. RAUSCHERT 2001.

Diversity of epibenthic habitats of gammaridean amphipods in the eastern

Weddell Sea. ---- *Polar Biology* 24, 744-753. (Much important biological information!)

DE MATTHAEIS, E., V. KETMAIER, D. DAVOLOS & P.J.SCHEMBRI 2001. Patterns of genetic diversity in Mediterranean supralittoral amphipods (Crustacea, Amphipoda). ---- *Polish Archives of Hydrobiology* 47, 473-487. (*Talitrus saltator* and *Talorchestia deshayesii*.)

DE PIRRO, M., P. CALOSI, A. UGOLINI & G. CHELAZZI 1999. Optoelectronic recording of cardiac activity in the Mediterranean sandhopper *Talitrus saltator*. ---- *Proceedings 34th European Marine Biology Symposium, Ponto Delgada, Azores*, 143 (Abstract only)

DEVIN, S., J-N. BEISEL, V. BACHMANN & J-C. MORETEAU 2001. *Dikerogammarus villosus* (Amphipoda: Gammaridae): another invasive species newly established in the Moselle river and French hydrosystems. ---- *Annales de Limnologie* 37, 21-27.

DEZFULI, B.S., L. GIARI & R. POULIN 2001. Costs of intraspecific and interspecific host sharing in acanthocephalan cystacanths. ---- *Parasitology* 122, 483-489. (in *Echinogammarus stammeri*)

DICK, J.T.A., C. MacNEIL & R. ANDERSSON 1999. The distribution of *Crangonyx pseudogracilis* Bousfield, 1958 (Crustacea: Amphipoda) in Northern Ireland, with notes on its ecology and behaviour. ---- *Irish Naturalists Journal* 26, 236-240.

DUMBAULD, B.D., K.M.BROOKS & M.H.POSEY 2001. Response of an estuarine benthic community to application of the pesticide carbaryl and

cultivation of Pacific Oysters (*Crassostrea gigas*) in Willapa Bay, Washington. -  
--- *Marine Pollution Bulletin* 42, 826-844. (Data on i.a. *Ampithoe valida*,  
*Corophium acherusicum* and *Eohaustorius arenarius*.)

EATON, L. 2001. Development and validation of biocriteria using benthic  
macroinvertebrates for North Carolina estuarine waters. ---- *Marine Pollution  
Bulletin* 42, 23-30. (i.a. 'Number of amphipod and shrimp taxa'.)

EJDUNG, G. & R. ELMGREN 2001. Predation by the benthic isopod *Saduria  
entomon* on two Baltic Sea deposit feeders, the amphipod *Monoporeia affinis*  
and the bivalve *Macoma balthica*. ---- *Journal of Experimental Marine Biology  
& Ecology* 266, 165-179.

EL GTARI, M., F. CHARFI-CHEIKHROUHA, G. MARCHETTI & F.  
SCAPINI 2001. Behavioural adaptation of *Talitrus saltator* populations to  
beaches with different dynamics and degree of human disturbance along  
Tunisian coasts. ---- *Polish Archives of Hydrobiology* 47, 643-650.

ELMGREN, R., G. EJDUNG & S. ANKER 2001. Intraspecific food competition  
in the deposit-feeding benthic amphipod *Monoporeia affinis* –a laboratory  
study. ---- *Marine Ecology Progress Series* 210, 185-193.

ENGLISCH, U. & S. KOENEMANN 2001. Preliminary phylogenetic analysis of  
selected subterranean amphipod crustaceans, using small subunit rDNA gene  
sequences. ---- *Organisms, Diversity & Evolution* 1, 139-145. (A study of the  
genus *Bactrurus*.)

ERNST, W., P. JACKMAN, K. DOE, F. PAGES, G. JULIEN, K. MACKLEY & T. SUTHERLAND 2001. Dispersion and toxicity to non-target aquatic organisms of pesticides used to treat sea lice on salmon in net pen enclosures. - --- *Marine Pollution Bulletin* 42, 433-444. (i.a. *Amphiporeia virginiana*, *Gammarus* spp and *Eohaustorius estuarius*.)

FALK-PETERSEN, S., H. HOP, W.P.BUDGELL, E.N.HEGSETH, R. KORSNES, T.B.LØYNING, J.B.ØRBÆK, T. KAWAMURA & K. SHIRASAWA 2000. Physical and ecological processes in the marginal ice zone of the northern Barents Sea during the summer melt period. ---- *Journal of Marine Systems* 27, 131-159.

FELTEN, V. & F. GUEROLD 2001. Hyperventilation and loss of hemolymph Na<sup>+</sup> and Cl<sup>-</sup> in the freshwater amphipod *Gammarus fossarum* exposed to acid stress: A preliminary study. ---- *Diseases of Aquatic Organisms* 45, 77-80.

FENWICK, G. 2001. The freshwater Amphipoda (Crustacea) of New Zealand: A review. ---- *Journal of Royal Society of New Zealand* 31, 341-363. ( An extremely useful review of present knowledge of this diverse and still understudied group of organisms.)

FERNANDEZ-LABORANS, G. 2001. A review of the species of protozoan epibionts on crustaceans.III. Chonotrich ciliates. ---- *Crustaceana* 74, 581-607.

FINLAYSON, B., R. FUJIMORA & Z.Z.HUANG 2000. Toxicity of metal-contaminated sediments from Keswick Reservoir, California, USA. ---- *Environmental Toxicology & Chemistry* 19, 485-494.

FORD, R.B. & D.M.PATERSON 2001. Behaviour of *Corophium volutator* in still versus flowing water. ---- *Estuarine, Coastal & Shelf Science* 52, 357-362.

FORD, R.B., S.F.THRUSH & P.K.PROBERT 2001. The interacting effect of hydrodynamics and organic matter on colonization: A soft-sediment example. -- -- *Estuarine, Coastal & Shelf Science* 52, 705-714. (*Paracorophium excavatum* on an intertidal sandflat.)

FUCHSMAN, Ph.C., J-C. SFERRA & T.R. BARBER 2000. Three lines of evidence in a sediment toxicity evaluation for hexachlorbutadiene. ---- *Environmental Toxicology & Chemistry* 19, 2328-2337. (*Hyaella azteca* and *Leptocheirus plumulosus*.)

GABLE, M. 2001. Alpha-taxonomy workshop on the world-wide status of Amphipoda. ---- *Polish Archives of Hydrobiology* 47, 681-704. (Contains i.a. tables of recently described Hyperiid, and a most useful table over pelagic gammarids.)

GALAN, A. 2000. Benthic Amphipoda and Isopoda (Crustacea) from the sublittoral zone off Surtsey and Heimaey south of Iceland. ---- *Surtsey Research* 11, 89-96 (Twenty-two spp of Amphipoda, among which *Gammarellus angulosus*, *Metopa borealis*, *M. solsbergi* and *Jassa pusilla* are new to Iceland.)

GASCA, R. & C.T.SHIH 2001. Hypereiid amphipods from surface waters of the western Caribbean Sea (1991). ---- *Crustaceana* 74, 489-499. (58 spp, among which *Lestrigonus bengalensis*, *Eupronoe intermedia* and *Brachyscelus cruscolum* were vastly dominant.)

GERBERDING, M. & G. SCHOLTZ 2001. Neurons and glia in the midline of the higher crustacean *Orchestia cavimana* are generated via an invariant cell lineage that comprises a median neuroblast and glial progenitors. ----  
*Developmental Biology* 235, 397-409.

GERLACH, S.(ed.) 2000. *Die Biodiversität in der deutschen Nord- und Ostsee. Band 1. Checkliste der Fauna der Kieler Bucht und eine Bibliographie zur Biologie und Ökologie der Kieler Bucht.* ---- Bundesanstalt für Gewässerkunde, Koblenz, 376 pp.

GOMEZ-GESTEIRA, J.L. & J-C. DAUVIN 2000. Amphipods are good bioindicators of the impact of oil spills on soft-bottom macrobenthic communities. ---- *Marine Pollution Bulletin* 40, 1017-1027.

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GRAÇA, M.A.C., C. CRESSA, M.O. GESSNER, M.J.FEIO, K.A.CALLES & C BARRIOS 2001. Food quality, feeding preferences, survival and growth of shredders from temperate and tropical streams. ---- *Freshwater Biology* 46, 947-957. (i.a. *Gammarus pulex*)

GRAEVE, M., P. DAUBY & Y. SCAILTEUR 2001. Combined lipid, fatty acid and digestive tract content analysis: a penetrating approach to estimate feeding modes of Antarctic amphipods. ---- *Polar Biology* 24, 853-862.



- GRAY, J.S. 2001. Antarctic marine benthic biodiversity in a world-wide latitudinal context. ---- *Polar Biology* 24, 633-641.
- GROSS, M.V., D.S. MAYCOCK, M.C. THORNDYKE, D. MORRITT & M. CRANE 2001. Abnormalities in sexual development of the amphipod *Gammarus pulex* (L.) found below sewage treatment works. ---- *Environmental Toxicology & Chemistry* 20, 1792-179.
- GRZUSKA, P. 1999. The river Odra estuary as a gateway for alien species immigration to the Baltic Sea basin. ---- *Acta Hydrochimica et Hydrobiologica* 27, 374-382.
- GUERRA-GARCIA, J.M. 2001. A new species of *Caprellinoides* (Crustacea: Amphipoda: Phtisicidae) from the Antarctic. ---- *Helgoland Marine Research* 55, 212-220. (*C. singularis* n.sp. from Branfield Strait, Antarctic. Also *C. mayeri* and *C. tristanensis* are redescribed and illustrated. *C. antarctica* is considered a junior synonym of *C. tristanensis*, and *C. spinosus* of *C. mayeri*.)
- GUERRA-GARCIA, J.M. 2001. Habitat use of the Caprellidea (Crustacea: Amphipoda) from Ceuta, North Africa. ---- *Ophelia* 55, 27-38.
- GUERRA-GARCIA, J.M., J. CORZO, I. GARCIA-ASENCIO & J.C. GARCIA-GOMEZ 2001. Seasonal fluctuations of *Phtisica marina* Slabber (Crustacea: Amphipoda: Caprellidea) in estuarine zone of southern Spain. ---- *Polish Archives of Hydrobiology* 47, 527-531.
- GUERRA-GARCIA, J.M., J.E. SANCHEZ-MOYANO & J.C. GARCIA-GOMEZ 2000. Redescription of *Caprella hirsuta* Mayer, 1890 (Crustacea, Amphipoda,

Caprellidea) from the Strait of Gibraltar. ---- *Miscellanea Zoologica, Barcelona* 23, 69-78. (Not seen)

GUERRA-GARCIA, J.M., J.E.SANCHEZ-MOYANO & J.C.GARCIA-GOMEZ 2001. A new species of *Caprella* (Amphipoda, Caprellidea) from Algeciras Bay, Southern Spain. ---- *Crustaceana* 74, 211-219. (*Caprella paramitis* n.sp.)

GUERRA-GARCIA, J., J.E. SANCHEZ-MOYANA & J.C.GARCIA-GOMEZ 2001. Two new hairy species of *Caprella* (Amphipoda) from the Strait of Gibraltar, with a redescription of *Caprella grandimana*. ---- *Journal of Crustacean Biology* 21, 1014-1030. (Deals with *C. grandimana*, *C. monai* n.sp. (Ceuta) , and *C. takeuchii* n.sp. (Cadiz).)

GUTIERREZ, J, G. PALOMO & O. IRIBARNE 2000. Patterns of abundance and seasonality of polychaetes sheltering in southwestern Atlantic estuarine epibenthic shells beds. ---- *Bulletin of Marine Science* 67, 165-174. (*Corophium insidiosum* co-dominant)

GUTT, J. 2000. Some 'driving forces' structuring communities of the sublittoral Antarctic macrobenthos. ---- *Antarctic Science* 12, 297-313.

HALCROW, K. 2001. Ultrastructural features of the funnel of *Gammarus oceanicus* (Amphipoda). ---- *Journal of Crustacean Biology* 21, 631-639. (The funnel of an amphipod, for those of you as uninformed as me, is part of its gut system.)

HANCOCK, M.A., B.V.TIMMS, J.K.MORTON & B.A.RENSHAW 2000. The structure of the littoral invertebrate communities of the Kosciuszko region lakes

*Proceedings of the Linnean Society of New South Wales* 122, 69-77. (Not seen)

HÄNNINEN, J. & I. VUORINEN 2001. Macrozoobenthos structure in relation to environmental changes in the Archipelago Sea, northern Baltic Sea. ---- *Boreal Environment Research* 6, 93-105.

HAYS-WARREN, S.T. & W.Z.LIDICKER 2000. Winter aggregations, Dehnel effect, and habitat relations in the Suisun shrew *Sorex ornatus sinuosus*. ---- *Acta Theriologica* 45, 433-442. (Amphipods are the main food of this endangered Californian salt-marsh shrew.)

HEMMINGSEN, W. & K. MACKENZIE 2001. The parasite fauna of the Atlantic Cod, *Gadus morhua* L.. ---- *Advances in Marine Biology* 40, 1-80. (Amph. on p.9)

HENDRYCKS, E.A. & E.L. BOUSFIELD 2001. The amphipod genus *Allorchestes* in the North Pacific region: systematics and distributional ecology. ---- *Amphipacifica* 3 (2), 3-37. (The family Hyalellidae is discussed and retained, and a key to its genera provided. This paper deals with *Allorchestes carinata*, *A. bellabella*, *A. priceae* n.sp. (SE Alaska), *A. hirsuta*, *A. malleola*, *A. angusta*, *A. rickeri* n.sp. (Oregon), *Hyalella azteca* and *Parhyalella* sp. . A key to *Allorchestes* spp and an extensive phyletic and biogeographic discussion are provided.)

HIWATARI, T., H. MAKI, S. IZAWA, K. KOHATA, H. KOSHIKAWA & M. WATANABE 2001. Susceptibility of the hyalid amphipod *Hyale barbicornis* to water-soluble fractions of fuel oil and a bioremediation-amending agent, Inipol EAP22. ---- *Polish Archives of Hydrobiology* 47, 651-656.

HO, K.T., A. KUHN, M. PELLETIER, F. McGEE, R.M.BURGESS & J.SERBST 2000. Sediment toxicity assessment: Comparison of standard and new testing designs. ---- *Archives of Environmental Contamination & Toxicology* 39, 462-468. (*Ampelisca abdita* tests).

HODGSON, E. & J.I.SPICER 2000. Subunit composition of crustacean haemocyanins are species-specific: Evidence from non-decapod species. ---- *Comparative Biochemistry & Physiology* 128A, 873-888.

HOLST, M., I. STIRLING & K.A.HOBSON 2001. Diet of Ringed Seals (*Phoca hispida*) on the east and west sides of the North Water Polynya, northern Baffin Bay. ---- *Marine Mammal Science* 17, 888-908. (*Themisto libellula* locally dominant prey for immature seals.)

HOOVER, P.M. & E.L. BOUSFIELD 2001. The amphipod superfamily Leucothoidea on the Pacific coast of North America: family Amphilochidae: systematics and distributional ecology. ---- *Amphipacifica* 3 (1), 3-28. (Deals with *Gitana ellisi* n.sp. (BC; Vancouver Isl.), *Gitanopsis* (restricted: *G. iseebi* is transferred to *Afrogitanopsis*, see also *Hourstonius*), *Hourstonius* n. gen. (type *Gitanopsis vilordes* + 11), *H. vilordes*, *Amphilochus* (restricted, see *Apolochus*), *Apolochus* n.gen.(type *Amphilochus neapolitanus* + 16), *A. litoralis* (transf. from *Amphilochus*), *A. barnardi* n.sp. (= *A. neapolitanus* s. Barnard, S. Calif.), and *A. staudei* n.sp. (= *A. neapolitanus* s. Staude, B. Col.). Keys to all species are provided, and the phyletic reclassification discussed extensively.)

HOP, H., M. POLTERMANN, O.J.LØNNE, S- FALK-PETERSEN, R. KORSNES & W.P.BUDGELL 2000. Ice amphipod distribution relative to ice

density and under-ice topography in the northern Barents Sea. ---- *Polar Biology* 23, 357-367.

HUNT, J.W., B.S.ANDERSON, B.M.PHILLIPS, J. NEWMAN, R.S.TJEERDEMA, R. FAIREY, H.M.PUCKETT, M. STEPHENSON, R.W.SMITH, C.J.WILSON & K.M.TABERSKI 2001. Evaluation and use of sediment toxicity reference sites for statistical comparisons in regional assessments. ---- *Environmental Toxicology & Chemistry* 20, 1266-1275. (*Ampelisca abdita* and *Eohaustorius estuarius*).

HUNT, J.W., B.S. ANDERSON, B.M.PHILLIPS, R.S.TJEERDEMA, K.M.TABERSKI, C.J.WILSON, H.M.PUCKETT, M. STEPHENSON, F. RUSSELL & J. OAKDEN 2001. A large-scale categorization of sites in San Francisco Bay, USA, based on the sediment quality triad, toxicity identification evaluations, and gradient studies. ---- *Environmental Toxicology & Chemistry* 20, 1252-1265.

HUYS, R. 2001. Splanchnotrophid systematics: A case of polyphyly and taxonomic myopia. ---- *Journal of Crustacean Biology* 21, 106-156. (“The genus *Megallecto* Gotto, 1956 and its type species *M. thirioti* are based on a head fragment of the amphipod *Phrosina semilunata*, erroneously interpreted upside down and back to front.”)

INGERSOLL, C.G., C.D.IVEY, E.L.BRUNSON, D.K.HARDESTY & N.A. KEMBLE 2000. Evaluation of toxicity: Whole-sediment versus overlying-water exposures with amphipod *Hyalella azteca*. ---- *Environmental Toxicology & Chemistry* 19, 2906-2910.

INGERSOLL, C.G., D.D. MacDONALD, N.WANG, J.L.CRANE, L.J. FIELD, P.S. HAVERLAND, N.E. KEMBLE, R.A. LINDSKOOG, C. SEVERN & D.E.SMORONG 2001. Predictions of sediment toxicity using consensus-based freshwater sediment quality guidelines. ---- *Archives of Environmental Contamination & Toxicology* 41, 8-21. (*Hyalella azteca* tests)

ISHIMARU, S. & N.NUNOMURA 2001. (Preliminary report on the Gammaridean fauna of Amarahashi, Takaoka, Middle Japan.) ---- ????, 37-41. (In Japanese)

JAMIESON, S.E., G.J.ROBERTSON & H.G.GILCHRIST 2001. Autumn and winter diet of the Long-tailed Duck in the Belcher Islands, Nanavut, Canada. ---- *Waterbirds* 24, 129-132. (Amphipods are dominant food: *Calliopius laeviusculus* in fall, *Ischrocerus anguipes* in winter.)

JANSSEN, F., T. TREUDE & U. WITTE 2000. Scavenger assemblages under differing trophic conditions: A case study in the deep Arabian Sea. ---- *Deep-Sea Research 2. Topical Studies in Oceanography* 47, 1999-3026. (*Eurythenes gryllus* co-dominant)

JARAMILLO, E., C. DUARTE & H. CONTRERAS 2000. Sandy beach macroinfauna from the coast of Ancud, Isla de Chiloe, southern Chile. ---- *Revista Chilena de Historia Natural* 73, 771-786. (*Orchestoidea tuberculata* co-dominant).

JAUME, D. 1991. (Presence of *Echinogammarus sicilianus* (Crustacea: Amphipoda) in the Llevant mountains of Majorca.) ---- *Boll. Soc. Hist. Nat. Balears* 34, 41-50. (In Mallorcan. The validity of the ssp *monomerus* is strongly doubted, while material identified as *E. eisentrauti* from the Llevant mts by

Stock also belongs to *E sicilianus*.)

JAUME, D. 1993. (*The non-aquatic crustaceans from Cabrera.*) ---- Pp 309-322 in J.A.Alvocer, E. Ballesteros & J.J.Fornos (eds). Historia Natural de l'Arxipelag de Cabrera. CSIC-Edit. Moll, Mon. Soc. Hist. Nat. Balears 2. (Deals with i.a. *Pseudoniphargus triasi*, *Ps. daviui*, *Psammogammarus burri*, *Salentinella* sp. and *Bogidiella balearica*.)

JAUME, D. & J-C. SORBE 2001. A new bathyal amphipod from the Bay of Biscay: *Carangolia barnardi*, sp. nov. (Gammaridea: Urothoidae). ---- *Journal of the Marine Biological Association UK* 81, 49-59.

JAZDZEWSKI, K., C. DE BROYER, M. PUDLARZ & P. DAUBY 2001. Amphipods of a stony beach in the maritime Antarctic. ---- *Polish Archives of Hydrobiology* 47, 569-577. (Seven species found)

JAZDZEWSKI, K. & R. KULICKA 2000. Ein neuer Flohkrebs (Crustacea) in Baltischer Bernstein. ---- *Fossilien* 17, 24-26. (A *Palaeogammarus* sp.)

JECZMIEN, W. & A. SZANIAWSKA 2001. Quantitative studies on *Gammarus* Fabr. genus in Puck Bay (the Baltic Sea). ---- *Polish Archives of Hydrobiology* 47, 561-568.

JØRGENSEN, L.L. & B. GULLIKSEN 2000. Rocky bottom fauna in arctic Kongsfjord (Svalbard) studied by means of suction sampling and photography. - --- *Polar Biology* 24, 113-121.

KARAMAN, G.S. 1997. (Fauna of Amphipoda (Crustacea Malacostraca) of

Skadar lake basin and its vicinity.) ---- *Zbornik Radove Prirodne Vrijednosti i Zastita Skadarskogo Naucni Skupovi 44*, 225-236. (In Serbo-Kroatian. Eighteen taxa in nine genera)

KARAMAN, G.S. 1998. On some interesting gammaridean species (Amphipoda) from Serbia (Yugoslavia) and Slovenia. ---- *Glas. Republ. Zavoda Zast. Prirode-Prirodnjackog Muzeja Podgorica 26* (1993), 31-40. (Deals with *Niphargus minor*, *N. deelemanae*, *N. jalzici* and *Orchestia cavimana*.)

KARAMAN, G.S. 1998. (New data on Amphipoda fauna (Crustacea Malacostraca) from region of Bor and adjacent regions (Serbia). ---- *Sbornik Radova Ekoloska Istina*, 235-237. (In Serbo-Kroatian. Deals with *Niphargus ivokaramani*, *N. kragujevencis remus*, and *Orchestia cavimana*.)

KARAMAN, G.S. 1998. New data in gammaridean Amphipoda from Macedonia. ---- *The Montenegrin Academy of Sciences and Arts, Glasnik of the Section of Nat. Sciences 12*, 23-38. (Deals with *Niphargus biljanae* n.sp. (S. of Skopje, Makedonia), *N. jovanovici*, and *Orchestia cavimana*.)

KARAMAN, G.S. 1998. *Niphargus pecarensis* S. & G. Karaman, 1959 and its new subspecies *N.p. occultus* on Balkan. ---- *Glasnik Prirodnjackog Muzeja Beograd 48* (1993/94), 115-132. (*N. pecarensis* from Bulgaria, originally described as a ssp of *N. tauri*, is raised to specific rank. *N.p. occultus* n. ssp is described from near Mratinjc, Montenegro.)

KARAMAN, G.S. 1999. (The endemic Amphipoda species (Crustacea) from Serbia and adjacent regions.) ---- *Zbornik Radova Ekoloska Istina Zajecar*, 166-169. (In Serbo-Kroatian. Eleven endemic spp.: nine *Niphargus*, *Gammarus*



*stojicevici* and *Bogidiella serbica*.)

KARAMAN, G.S. 2000. On three interesting subterranean amphipods (Crustacea, Amphipoda) from Balkan peninsula. (Contributions to the knowledge of the Amphipoda 238). ---- *Crnogorska Akademija Nauka i Umjetnosti* 13, 223-236. (Deals with *Niphargus stenopus*, *N. longiflagellum* and *Metohia carinata*.)

KAREZ, R., S. ENGELBERT & U. SOMMER 2000. 'Co-consumption' and 'protective coating': two new proposed effects of epiphytes on their macroalgal hosts in mesograzer-epiphyte-host interactions. ---- *Marine Ecology Progress Series* 205, 85-93. (i.a. *Gammarus locusta*)

KATER, B., A. HANNEWIJK, J. POSTMA & M. DUBBELDAM 2000. Seasonal changes in acute toxicity of cadmium to amphipod *Corophium volutator*. ---- *Environmental Toxicology & Chemistry* 19, 3032- 3035.

KATER, B.J., J.F.POSTMA, M. DUBBELDAM & J.T.H.J.PRINS 2001. Comparison of laboratory and in situ sediment bioassays using *Corophium volutator*. ---- *Environmental Toxicology & Chemistry* 20, 1291-1295.

KELAHER, B.P., M.G.CHAPMAN & B.J.UNDERWOOD 2001. Spatial patterns of diverse macrofaunal assemblages in coralline turf and their associations with environmental variables. ---- *Journal of the Marine Biological Association UK* 81, 917-930. (A study from NSW, Australia)

KELLY, A., A.M.DUNN & M.J.HATCHER 2001. Population dynamics of a vertically transmitted, parasitic sex ratio distorter and its amphipod host. ----

*Oikos* 94, 392-402. (*Nosema granulosis* in *Gammarus duebeni*)

KEMBLE, N.E., D.G.HARDESTY, C.G.INGERSOLL, B.T.JOHNSON, F.J.DWYER & D.D.McDONALD 2000. An evaluation of the toxicity of contaminated sediments from Waukegan Harbor, Illinois, following remediation. ---- *Archives of Environmental Contamination & Toxicology* 39, 542-461. (*Hyaella azteca*)

KENNEDY, F., E. NAYLOR & E. JARAMILLO 2000. Ontogenetic differences in the circadian locomotor activity rhythm of the talitrid amphipod crustacean, *Orchestoidea tuberculata*. ---- *Marine Biology, Berlin* 137, 511-517.

KLAGES, M., K. VOPEL, H. BLUHM, TH. BREY, TH. SOLTWEDEL & W.E.ARNTZ 2001. Deep-sea food falls: First observation of a natural event in the Arctic Ocean. ---- *Polar Biology* 24, 292-295. (A *Pasiphaea* carcass at 5550m covered with hundreds of *Uristes* sp.)

KOENEMANN, S. & J.R.HOLSINGER 2001. Systematics of the North American subterranean amphipod genus *Bactrurus* (Crangonyctidae). ---- *Beaufortia* 51, 1-56. This nice monograph deals with *Bactrurus brachycaudus*, *B. hubrichti*, *B. mucronatus*, *B. pseudomucronatus* n.sp. (Arkansas), *B. wilsoni* n.sp. (Alabama), *B. angulus* n.sp.(NE Tennessee), and *B. cellulanus* n.sp. (Indiana). A phylogenetic analysis and an extensive discussion, as well as an identification key, are provided.)

KOENEMANN, S. & J.R.HOLSINGER 2001. Phylogenetic reconstruction of the subterranean amphipod genus *Bactrurus* (Crangonyctidae), comparing molecular and morphological data. ---- *Polish Archives of Hydrobiology* 47,

401-412.

KONOPACKA, A. & M. BLAZEWICS-PASZKOWYCZ 2001. Life history of *Synurella ambulans* (F. Muller, 1846) (Amphipoda, Crangonyctidae) from central Poland. ---- *Polish Archives of Hydrobiology* 47, 597-605.

KOTZE, D.J. & M.J.SAMWAYS 2001. No general edge effects for invertebrates at Afriomontane forest/grassland ecotones. ---- *Biodiversity & Conservation* 10, 443-466. (*Talitroides africana* is a distinct edge species)

KRAAY, R., S. CIARELLI, J. TOLLS, B.J.KATER & A. BELFROID 2001. Bioavailability of lab-contaminated and native polycyclic aromatic hydrocarbons to the amphipod *Corophium volutator* relates to chemical desorption. ---- *Environmental Toxicology & Chemistry* 20, 1716-1724.

KRAPP-SCHICKEL, T. 2001. Pitfall genus *Maera*. ---- *Polish Archives of Hydrobiology* 47, 413-440. (The old genus *Maera* s.l. is split as follows: *Maera* s.str. (*Cancer grossimanus* + 12, of which *M. tenera* is illustrated here); *Quadrимаera* (*Gammarus quadrimanus* + 20; a key to the spp is provided); *Othomaera* n.gen. (type *Gammarus othonis*), with *O. othonis*, *O. knudseni*, *O. schmidtii*, *O. thrixa*, *O. lobata*, *O. bruzelii* and *O. simplex* (with *Maera komma* as synonym), all transferred from *Maera*; *Anamaera* with *A. williamsi* (type: *A. hixoni* is a junior synonym); *Zygomaera* n. gen.(type *Maera eugeniae*), with *Z. eugeniae*, *Z. pfefferi*, *Z. gloriosa*, *Z. emarginata* (with *Meximaera sinuosa* and cf *Maera pseudemarginata* as junior synonyms), and *Z. pedunculata*, all transferred from *Maera*; *Ceradomaera*, with *C. plumulosa*; *Maeropsis*, with *M. perrieri*, ? *M. rathbunae*, ?*M. revelata*; and *Maera* s.l., for those groups and species not yet analysed; a preliminary discussion of these taxa follows. A most

welcome and illuminating paper!)

KRAPP-SCHICKEL, T. & S. RUFFO 2001. A new *Maeracoota* from the Caribbean sea: *Maeracoota galani* n.sp. (Crustacea Amphipoda, Melitidae). ---- *Bollettino del Museo Civico di Storia Naturale di Verona, Botanica Zoologia* 25, 3-8. (*M.galani* n.sp. from the Los Roques Isl., Venezuela. The genus *Maeracoota* clearly also occurs widely in the Indian Ocean.)

KRÖNCKE, I., B. ZEISS & C. RENSING 2001. Long-term variability in macrofauna species composition off the island of Norderney (East Frisia, Germany) in relation to changes in climatic and environmental conditions. ---- *Senckenbergiana Maritima* 31, 65-82.

KUSANO, H. 2000. ( Intraspecific variation in life history and reproductive traits of a freshwater anisogammarid, *Jesogammarus jesoensis* (Amphipoda).) -- -- *Japanese Journal of Limnology* 61, 259-266. (In Japanese, not seen)

LAFFAILLE, P., J.C.LEFEUVRE & E. FEUNTEUN 2000. Impact of sheep grazing on juvenile sea bass, *Dicentrarchus labrax* L., in tidal salt marshes. ---- *Biological Conservation* 96, 271-277. (In grazed areas, the vegetation changes, there is therefore much less *Orchestia*, and thus no food for the bass.)

LAFFAILLE, P., J.C.LEFEUVRE , M.T.SCHRICKE & E. FEUNTEUN 2001. Feeding ecology of 0-group bass, *Dicentrarchus labrax*, in salt marshes of Mont Saint Michel bay (France). ---- *Estuaries* 24, 116-125. (*Orchestia gammarellus* principal prey!)

LAHDES, E., G. BALOGH, E. FODOR & T. FARKAS 2000. Adaptation of

composition and biophysical properties to temperature by the crustacean, *Gammarus* spp. ---- *Lipids* 35, 1093-1098.

LANDRUM, P.F., D.C.GOSSIAUX, T.F.NALEPA & D.L.FANSLOW 2000. Evaluation of lake Michigan sediment for causes of the disappearance of *Diporeia* spp in southern Lake Michigan. ---- *Journal of Great Lakes Research* 26, 402-407. (Local sediment is avoided by the amphipods in tests)

LANDRUM, P.F., E.A.TIGUE, S.K.DRISCOLL, D.C.GASSIAUX, P.L.VAN HOOFF, M.L.GEDEON & M.ADLER 2001. Bioaccumulation of PCB congeners by *Diporeia* spp: kinetics and factors affecting bioavailability. ---- *Journal of Great Lakes Research* 27, 117-133.

LARRAIN, A., E. SOTO & E. BAY-SCHMITH 1998. Assessment of sediment toxicity in San Vicente bay, Central Chile, using the amphipod *Ampelisca araucana*. ---- *Bulletin of Environmental Contamination & Toxicology* 62, 363-369.

LAWRENCE, A.L. & R.P.MASON 2001. Factors controlling the bioaccumulation of mercury and methylmercury by the estuarine amphipod *Leptocheirus plumulosus*. ---- *Environmental Pollution* 111, 217-231.

LAZO-WASEM, E. & M.F.GABLE 2001. A revision of *Parhyalella* Kunkel (Crustacea: Amphipoda: Gammaridea). ---- *Bulletin of the Peabody Museum of Natural History, Yale University* 46, 1- 80. (This beautiful monograph deals with *Parhyalella batesae*, *P. whelpleyi*, *P. pietschmanni*, *P. congoensis*, *P. barnardi* n.sp. (Ensenada, Baja Cal., Mexico), *P. kunkeli* n.sp.(Taiwan), *P. nisbetae* n.sp (Nevis, Brit. W. Indies), *P. ruffoi* n.sp.(Paita, Peru), *P. steelei* n.sp. (Nosy Bé, Madagascar); *Exhyalella* Stebbing, 1917 (here revived), *E. natalensis* (type), *E.*

*indica* (transf. from *Parhyalella*), *E. hartmani* n.sp, (Mahé, Seychelles); *Marinohyalella* n.gen. (type *Hyalella richardi*), and *M.richardi*. The genus *Insula* is suppressed. Keys to all species, and an extensive discussion of the family Hyalidae, are presented.)

LE BOEUF, B.J., M.H.PEREZ-CORTES, R.J.URBAN, B.R.MATE & U.F.OLLERVIDES 2000. High Gray Whale mortality and low recruitment in 1999: potential causes and implications. ---- *Journal of Cetacean Research and Management* 2, 85-99. (Most likely cause is a decline in amphipod densities in Bering and Chukchi Seas, possibly because of changes in water temperature.)

LeCROY, S.E. 2000. *An illustrated identification guide to the nearshore marine and estuarine gammaridean Amphipoda of Florida. Vol. 1. Families Gammaridae, Hadziidae, Isaidae, Melitidae and Oedicerotidae.* ---- State of Florida, Dept of Environmental Protection, Tallahassee, 195 pp (An excellent new identification manual for an area where nothing comparable existed before)

LEPPÄKOSKI, E. & S. OLENIN 2001. The meltdown of biogeographical peculiarities of the Baltic Sea: The interaction of natural and man-made processes. ---- *Ambio* 30, 202-209.

LEWIS, M.A., D.E.WEBER & R.S.STANLEY 2000. Wetland plant seedlings as indicators of near-coastal sediment quality: interspecific variation. ---- *Marine Environmental Research* 50, 535-540. (*Ampelisca abdita* as test organism)

LIBERTINI, A. & T. KRAPP-SCHICKEL 2001. Chromosome number and karyotype analysis in eight marine amphipod (Crustacea) species. ---- *Polish*

*Archives of Hydrobiology* 47, 465-471.

LIESS, M., O. CHAMPEAU, M. RIDDLE, R. SCHULZ & S. DUQUESNE  
2001. Combined effects of ultraviolet-B radiation and food shortage on the  
sensitivity of the antarctic amphipod *Paramoera walkeri* to copper. ----  
*Environmental Toxicology & Chemistry* 20, 2088-2092.

LIMA, M.C.G. de 1996. Hyperiid (Amphipoda: Hyperiidae) from north-  
northeast coast of Brazil.---- *Nauplius, Rio Grande* 4, 147-160. (With figures of  
*Lestrignus bengalensis*.)

LIMA, M.C.G.de & J.L.VALENTIN 2001. New records of Amphipoda  
Hyperiid in associations with gelatinous zooplankton. ---- *Hydrobiologia* 448,  
229-235. (*Lestrignus bengalensis* with salps and siphonophores,  
*Simorhynchotus antennarius* on a siphonophoran.)

LIMA, M.C.G. de & J.L.VALENTIN 2001. Preliminary results to the holistic  
knowledge of the Amphipoda Hyperiid faunal composition off the Brazilian  
coast. ---- *Journal of Plankton Research* 23, 469-480. (Forty spp, including 12  
new to Brazilian waters.)

LIPPERT, H., K. IKEN, E. RACHOR & C. WIENCKE 2001. Macrofauna  
associated with macroalgae in the Kongsfjord (Spitsbergen). ---- *Polar Biology*  
24, 512-522. (Not seen)

LONG, E.R. 2000. Spatial extent of sediment toxicity in US estuaries and  
marine bays. ---- *Environmental Monitoring and Assessment* 64, 391-407.

LONG, E.R., C.B.HONG & C.G.SEVERN 2001. Relationships between acute sediment toxicity in laboratory tests and abundance and diversity of benthic infauna in marine sediments: A review. ---- *Environmental Toxicology and Chemistry* 20, 46-60.

LÖRZ, A-N. 2001. Low diversity of spongiicolous Amphipoda (Crustacea) observed in the Antarctic autumn. ---- *Organisms, Diversity and Evolution* 1, 133-138.

LÖRZ, A-N. & C.O.COLEMAN 2001. *Epimeria reoproi* n.sp., a new amphipod (Epimeriidae) from the Antarctic. ---- *Crustaceana* 74, 991-1002. (Type locality 63°00'S, 60°31'W.)

LOTUFO, G.R., J.D.FARRAR, B.M.DUKE & T.S.BRIDGES 2001. DDT toxicity and critical body residue in the amphipod *Leptocheirus plumulosus* in exposures to spiked sediments. ---- *Archives of Environmental Contamination & Toxicology* 41, 142-150.

LOTUFO, G.R., J.D. FARRAR, L.S.INOUE, T.S.BRIDGES & D.B. RINGELBERG 2001. Toxicity of sediment-associated nitroaromatic and cyclonitramine compounds to benthic invertebrates. ---- *Environmental Toxicology & Chemistry* 20, 1762-1771. (*Leptocheirus plumulosus*)

LOTUFO, G.R., P.F. LANDRUM & M.L.GEDEON 2001. Toxicity and bioaccumulation of DDT in freshwater amphipods in exposures to spiked sediments. ---- *Environmental Toxicology & Chemistry* 20, 810-825. (*Hyaella azteca* and *Diporeia* spp.)



LOTUFO, G.R., P.F.LANDRUM, M.L.GEDEON, E.A.TIGUE & L.A.HERCHE 2000. Comparative toxicity and toxicokinetics of DDT and its major metabolites in freshwater amphipods. ---- *Environmental Toxicology & Chemistry* 19, 368-379. (*Hyalella azteca* and *Diporeia* spp)

LOZANO, S.J., J.V. SCHROLD & T.F.NALEPA 2001. Recent declines in benthic macroinvertebrate densities in Lake Ontario. ---- *Canadian Journal of Fisheries and Aquatic Sciences* 58, 518-529. (i.a. *Diporeia* spp, drastically reduced after the ascendance of *Dreissena*.)

LYONS, J. & A.A. MYERS 1993. Amphipoda Gammaridea from coral rubble in the Gulf of Aqaba, Red Sea: families Megaluropidae, Melitidae, Phliantidae, Phoxocephalidae and Urothoidae. ---- *Journal of Natural History* 27, 575-598. (Inadvertently omitted in earlier AN! Deals with *Megaluropus aqabaensis* n.sp., *Ceradocus ? rubromaculatus*, *Elasmopus hooheno*, *E. pecteniscrus*, *E. seticarpus*, *E. steinitzi*, *Hornellia dentocoxa* n.sp., *Maera hamigera*, *Pereionotus alaniphlias*, *Wildus spinitelson* n.sp., and *Urothoe elegans*.)

LYUBINA, O.S. 2001. (Distribution of Amphipoda Gammaridea in the southern part of the Kara Sea.) ---- *Doklady Akademii Nauk* 377 (3), 423-426. (In Russian)

McCURDY, D.G., J.S.BOATES & M.R.FORBES 2001. An empirical model for the optimal timing of reproduction for female amphipods infected by trematodes. ---- *Journal for Parasitology* 87, 24-30. (*Corophium volutator*)

McGEE, B.L. & M. SPENCER 2001. A field-based population model for the sediment toxicity test organism *Leptocheirus plumulosus*. II. Model application.

---- *Marine Environmental Research* 51, 347-363.

McGEE, B.L., D.A.WRIGHT & D.J.FISHER 1998. Biotic factors modifying acute toxicity of aqueous cadmium to estuarine amphipod *Leptocheirus plumulosus*. ---- *Archives of Experimental Contamination and Toxicology* 34, 34-40.

MacNEIL, C., J.T.A.DICK, R.W.ELWOOD & W.I.MONTGOMERY 2001. Coexistence among native and introduced freshwater amphipods (Crustacea); habitat utilization patterns in littoral habitats. ---- *Archiv für Hydrobiologie* 151, 591-607. (The native *Gammarus duebeni celticus* vs the invaders *G. pulex*, *G. tigrinus* and *Crangonyx pseudogracilis*)

MacNEIL, C., W.I.MONTGOMERY, J.T.A.DICK & R.W.ELWOOD 2001. Factors influencing the distribution of native and introduced *Gammarus* spp in Irish river systems. ---- *Archiv für Hydrobiologie* 151, 353-368. (*G. duebeni celticus* vs *G. pulex*)

MANCINELLI, G. & L. ROSSI 2001. Indirect, size-dependent effects of crustacean mesograzers on the Rhodophyta *Gracilaria verrucosa* (Hudson) papenfuss. Evidence from a short-term study in the Lesina lagoon (Italy). ---- *Marine Biology, Berlin* 138, 1163-1173. (i.a. *Gammarus insensibilis*)

MARANHÃO, P., N. BENGALA, M. PARDAL & J.C.MARQUES 2001. The influence of environmental factors on the population dynamics, reproductive biology and productivity of *Echinogammarus marinus* Leach (Amphipoda, Gammaridea) in the Mondayo estuary, Portugal. ---- *Acta Oecologica* 22, 139-152.

MARSDEN.I.D., C.H.T.WAY & N. AL MUDAFFAR 2000. Assessment of an estuarine amphipod (*Paracorophium excavatum*) as a bioindicator of contaminated sediment. ---- *Australasian Journal of Ecotoxicology* 6, 21-30.

MARTENS, A., TH.O.EGGERS & K.GRABOW 1999. Erste Funde von *Pontogammarus robustoides* (Sars) im Mittellandkanal (Crustacea: Amphipoda). ---- *Lauterbornia* 35, 39-42.

MARTIN, A., M. ORTIZ & D. ATIENZA 2000. (A new species of amphipod in the genus *Listriella* (Crustacea, Amphipoda, Liljeborgiidae) from Venezuela.) ---- *Boletin del Centro de Investigaciones Biologicas Universidad del Zulia* 34, 399-409. (In Spanish. *L. andresi* n.sp. from *Thalassia* beds in Falcon State, Venezuela.)

MARTIN, A., M. ORTIZ & D. ATIENZA 2001. (A new species of amphipod crustacean of the genus *Amphilocheus* (Crustacea, Amphipoda, Amphilocheidae) from Venezuela.) ---- *Acta Cientifica Venezolana* 52, 34-39. (In Spanish. *A. ascidicola* n.sp from the ascidian *Phallusia nigra* in shallow waters.)

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important prey)

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OLIVER, G. & J-P. TRILLES 2000. Crustacés parasites et epizoites du Cachalot, *Physeter catodon* Linnaeus, 1758 (Cetacea, Odontoceti) dans la Golfe du Lion (Méditerranée occidentale). ---- *Parasite* 7, 311-321. (*Neocyamus physeteris*)

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SEREJO, C.S., Y. WAKABARA & M.T.VALERIO-BERNARDI 2001. Taxonomy and geographic distribution of *Ampelisca* (Amphipoda: Gammaridea) from the Brazilian coast. ---- *Polish Archives of Hydrobiology* 47, 495-510. (Deals with *A. brevisimulata*, *A. cristata*, *A. aff. lobata*, *A. paria*, *A. pugetica* and *A. romigi*. A key to Brazilian *Ampelisca* is provided.)

SICINSKI, J. 2000. Professor Krzysztof Jazdzewski—40 years of scientific activity. ---- *Polish Polar Research 21*, 209-216. (Contains 2 plates with nice portraits of Krzysztof at various ages.)

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STOJKOV, S. & S. UZUNOVA 1999. Dynamics of macrozoobenthos from the

Bourgas bay (Bulgarian Black Sea coast) during the period 1993-1995. ----  
*Proceedings of the Institute of Fisheries, Varna 25*, 153-174.

SUNDELIN, B., CH. RYK & G. MALMBERG 2000. Effects on the sexual maturation of the sediment-living amphipod *Monoporeia affinis*. ----  
*Environmental Toxicology 15*, 518-526.

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SURTIKANTI, H.K. & R.V.HYNE 2000. Sediment toxicity testing using the amphipod *Corophium* sp: Standardization of test conditions for an acute survival test and a sub-chronic test in freshwater. ---- *Australasian Journal of Ecotoxicology 6*, 11-20.

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TAKEUCHI, I., K. WATANABE, A. TANAMURA & M. FUKUCHI 2001. Assemblages of necrophagous animals off Enderby Land, East Antarctica. ----  
*Polar Biology 24*, 651-656.

TAKHTEEV, V.V. 2000. (*Essays on the amphipods of Lake Baikal (systematics, comparative ecology, evolution).*) ---- Irkutsk State University

Press, Irkutsk, 355 pp. (In Russian, not seen. Can anybody tell me where to get a copy?)

TAYLOR, J. & G.C.B.POORE 2001. Descriptions of new species of *Birubius* (Amphipoda: Phoxocephalidae) from Australia and Papua New Guinea with comments on the *Birubius-Kulgaphoxus-Tickalerus-Yan* complex. ---- *Memoirs of Museum Victoria* 58, 255-295. (The authors find it difficult to recognize the small genera *Kulgaphoxus*, *Tickalerus* and *Yan*, and therefore provisionally describe all new taxa here in *Birubius*. They are *B. drummondiae* n.sp. (Western Port, Vic.), *B. heissleri* n.sp. (Ninety Miles Beach, Vic.), *B. lowryi* n.sp. (Madang lagoon, PNG), *B. wallisae* n.sp. (Moreton Bay, Qld), and *B. wilsoni* n.sp. (Madang lagoon, PNG).)

THURSTON, M.. 2001. Benthic Gammaridea (Crustacea: Amphipoda) in the deep sea. ---- *Polish Archives of Hydrobiology* 47, 353-377. (A most useful review.)

TSVETNENKO, Y.B., A.J.BLOCH & L.H.EVANS 2000. Development of marine sediment reworker tests with Western Australian species for toxicity assessment of drilling muds. ---- *Environmental Toxicology* 15, 540-548. (i.a. *Grandidierella* sp.)

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UGOLINI, A., C. MELIS, R. INNOCENTI & B. TIRIBILLI 1999. Moon and sun compasses in sandhoppers rely on two separate chronometric mechanisms. - --- *Proceedings of the Royal Society B* 266, 749-752.

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USIO, N., M. KONSHI & S. NAKANO 2001. Is invertebrate shredding critical for collector invertebrates? A test of the shredder-collector facilitation hypothesis. ---- *Ecology Research* 16, 319-326.

UZUNOVA, S. 1999. On the biodiversity of the Ponto-Caspian Amphipoda (Crustacea) from the Bulgarian Black Sea coast. ---- *Proceedings of the Institute of Fisheries, Varna* 25, 175-186.

VADER, W. & J.R. JOHNSEN 2001. *Schisturella pulchra* (Hansen)

(Lysianassoidea), a new amphipod for the Barents Sea area. ---- *Polish Archives of Hydrobiology* 47, 489-494. (Records from N.Norway and Svalbard).

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VELOSO, V.G. & R.S. CARDOSO 2001. Effect of morphogenetics on the spatial and temporal variation of macrofauna on three sandy beaches, Rio de Janeiro State, Brazil. ---- *Journal of the Marine Biological Association UK* 81, 369-375. (i.a. *Pseudorchestoidea brasiliensis*)

WALDOCK, R., H.L.REES, P. MATTHIESSEN & M.A.PENDLE 1999. Surveys of the benthic infauna of the Crouch estuary (UK) in relation to TBT contamination. ---- *Journal of the Marine Biological Association UK* 79, 225-232.

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amphipod genus *Stygodromus* (Crangonyctidae) in western North America, with emphasis on species of the *hubbsi*-group. ---- *Amphipacifica* 3 (2), 39-147. (This impressive paper, based on Wang's thesis, deals with *Stygodromus saltuaris* n.sp. (Oregon), *S. rallus* n.sp. (Washington), *S. limbus* n.sp. (Texas), *S. fontinalis* n.sp. (Colorado), *S. jemezensis* n.sp. (N.Mexico), *S. herbsti* n.sp. (Nevada), *S. trinus* n.sp. (California), *S. boultoni* n.sp.(Arizona), *S. duplus* n.sp. (Washington), *S. utahensis* n.sp. (you guessed it: Utah), *S. interstitialis* n.sp. (Colorado), *S. puteanus*, *S. pennaki*, *S. urospinatus* n.sp. (Colorado), *S. coloradensis*, *S. blinni* n.sp. (Arizona), *S. holsingeri*, *S. quatsinensis*, *S. wahkeenensis* n.sp. (Oregon), *S. lanensis* n.sp. (Oregon), *S. sierrensis*, *S. putealis*, *S. lacicolus*, *S. sheldoni*, *S. myersae* n.sp. (California), *S. cherylae* n.sp. (California), *S. cowani* n.sp. (California), *S. tahoensis*, *S. mackenziei*, *S. oregonensis*, *S. hubbsi*, *S. mysticus*, *S. hyporheicus* n.sp. (California), *S. elliotti*, *S. gradyi*, *S. latus* n.sp. (Washington), *S. gallawayae* n.sp. (California), *S. harai*, *S. wengerorum*, *S. grahami*, *S. rudolphi* n.sp. (California) and *S. imperialis* n.sp. (California)—all these belong to the *hubbsi*-group. Also described are *S. canadensis*, *S. idahoensis* n.sp. (Idaho), *S. glacialis* n.sp. (Montana), *S. montanensis*, *S. corroae* n.sp. (N.Mexico), *S. simplex* n.sp. (Colorado) and *S. wardi* n.sp. (Colorado). A character date matrix, a cladogram and extensive biogeographic data are also provided.)

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WATTS, M.M., D. PASCOE & K. CARROLL 2001. Survival and precopulatory behaviour of *Gammarus pulex* (L.) exposed to two

xenoestrogens. ---- *Water Research* 35, 2347-2352.

WEISSHAPPEL, J.B. 2001. Distribution and diversity of the hyperbenthic amphipod family Calliopiidae in the different seas around the Greenland-Iceland-Faeroe-ridge. ---- *Sarsia* 86, 143-151.

WENCKI, K. 2000. Interannual variability in the occurrence of *Themisto* (Amphipoda) in the north Norwegian Sea. ---- *Polish Polar Research* 21, 143-152. (*Th. abyssorum* and *Th. libellula*)

WESLAWSKI, J.M., K. OPALINSKI & L. LEGEZYNSKA 2001. Life cycle and production of *Onisimus litoralis* (Crustacea Amphipoda): the key species in the Arctic soft sediment littoral. ---- *Polish Archives of Hydrobiology* 47, 585-596.

WISENDEN, B.D., S.G. POHLMANN & E.E.WATKIN 2001. Avoidance of conspecific injury-released chemical cues by free-ranging *Gammarus lacustris* (Crustacea: Amphipoda). ---- *Journal of Chemical Ecology* 27, 1249-1258.

YAKOVLEV, V. 2001. Occurrence of *Gammarus lacustris* G.O.Sars (Amphipoda) in the north-eastern Fennoscandia and the Kola peninsula in relation to natural and anthropogenic factors. ---- *Polish Archives of Hydrobiology* 47, 671-680.

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ZERBST-BOROFFKA, I., T. GROSPIETSCH, I. MEKHANIKOVA & V. TAKHTEEV 2000. Osmotic and ionic hemolymph concentrations of bathyal and abyssal amphipods of Lake Baikal (Siberia) in relation to water depth. ---- *Journal of Comparative Physiology B170*, 615-625.

ZETTLER, M.L. 2001. Die höheren Krebse (Malacostraca) der Darsz-Zingster Boddenkette. ---- *Meer und Museum 16*, 74-75.