Preface

Marina Manca · Piet Spaak

Published online: 1 August 2013
© Springer Science+Business Media Dordrecht 2013

In August 1985, Frey and Forró, introducing the special issue of *Hydrobiologia* that contained contributions of the participants of the First International Symposium on Cladocera, indicated that their initiative was inspired by a need to offer Cladocera—specialists a platform that had already been successfully established for researchers investigating other specific taxonomical groups of organisms. This goal could be achieved thanks to the former Editor-in-Chief of *Hydrobiologia*, Henri Dumont.

That first meeting was also the occasion at which the “Cladocera Newsletter” was launched, something we might nowadays call a “social network” of specialists in different research fields, pertaining to different institutions, from museums to the Academia, unified by a common interest in Cladocera. A first list of “cladocerologists” from all from over the world was sent a questionnaire for putting together a

database containing information on reference topics. This initiative became a success, as over 100 Cladocera specialists sent the requested information within a few months, and this led to the publication of the first issue of the Cladocera Newsletter, in 1988. This first issue of the newsletter identified eight research topics which, over the years, became differently represented in the scientific arena, namely: (1) Systematics and distribution (temperate, tropical, arctic regions); (2) Morphology; (3) Cytology; (4) Physiology (metabolism, development and growth, reproduction, osmoregulation); (5) Ecology (community structure, population dynamics and production, seasonal succession, long-term evolution, trophic interactions, paleoecology); (6) Genetics (ecological genetics, ecology and coexistence of clones, biochemical genetics); (7) Modelling; (8) Large-scale cultivation. Genera and families of special interest were also provided by each participant. The 25 pages of this first issue, were more than doubled in the second one, in which, among others, announcement and material for the second Symposium on Cladocera in Tatranska Lomnica (CR) was provided. With this newsletter, a gap in communication was filled that is now fast and efficiently covered by a click in the internet.

It is in the same spirit of serving communication and exchange of ideas among scientists working on Cladocera that initiated the IX International Symposium on Cladocera in 2011, organized close to the “Istituto di Pallanza”. We were happy that we could continue the Cladocera symposium after the VIIIth

Guest editors: Marina Manca & Piet Spaak / Cladocera:
Proceedings of the 9th International Symposium on Cladocera

M. Manca (✉)
CNR ISE, Largo Tonolli 50, 28922 Verbania, VB, Italy
e-mail: m.manca@ise.cnr.it

P. Spaak
Eawag, Swiss Federal Institute of Aquatic Science and
Technology, Dübendorf, Switzerland

P. Spaak
Institute of Integrative Biology, ETH Zurich, Zurich,
Switzerland

Key to the photograph from the Ninth International Symposium on Cladocera, 2–8 October 2011 Verbania, Italy

1	Maria Colombini	44	Adinda Putman	87	Hilde Eggermont
2	Elena Zuykova	45	Dietmar Straile	88	Mr. Wojtal-Frankiewicz
3	Nickolai Bochkarev	46	Barbara Pietrzak	89	Lawrence J. Weider
4	Claudia Romina Aguilar Acosta	47	Sanni Aalto	90	Katja Pulkkinen
5	Bernadette Pinel-Alloul	48	Scott Peacor	91	Andy Dzialowski
6	Jesús Morales Ventura	49	Ora Johannsson	92	Aline Waterkeyn
7	Faten Gabisi	50	Nina Schlotz	93	Sabine Navis
8	Bettina Zeis	51	Liisa Nevalainen	94	Amedeo Fadda
9	John Colbourne	52	Palome M. Lopes	95	Ine Swillen
10	Fernando Martinez-Jeronimo	53	Adrianna Wojtal-Frankiewicz	96	Veerle Lemaire
11	Kay Van Damme	54	Magdalena Suchora	97	Roberta Piscia
12	Jorge Martinez-Martinez	55	Izabela Zawiska	98	Marina Manca
13	Jennifer Korosi	56	Andrea Bertolo	99	Dörthe Becker
14	Natalie Kim	57	Viacheslav Krylov	100	Nita Kaupang Shala
15	Jose Martin Romero	58	Larisa Litvinchuk	101	Marcin Wojewodzic
16	Z. Maciej Gliwicz	59	Ann Kristin Schartau	102	Adriana Güntzel
17	Anna Visconti	60	Valentina Podshivalina	103	Inta Dimante-Deimantovica
18	S.S.S. Sarma	61	Magdalena Markowska	104	Eliana Aparecida Panarelli
19	Moshe Gophen	62	Olivia Hesse	105	Patricia Hoffmann
20	S. Nandini	63	Barbara Leoni	106	Winfried Lampert
21	Arianne Maniglia	64	Martha Patricia Celis-Salgado	107	Craig Williamson
22	Leonard Polishchuk	65	Dalia Aidukaite	108	José Roberto Debastiani Junior
23	José Luis Gama-Flores	66	Christoph Tellenbach	109	Thomas Correll Jensen
24	Maria Elena Huidobro Salas	67	Markus Möst	110	Petr Jan Juracka
25	Jiri Machacek	68	Sho Kimijima	111	Norman Yan
26	Martin Cerny	69	Sabine Giessler	112	Joseph Simonis
27	Irina Blinova	70	Benjamin Alric	113	Adam Petrusek
28	Inna Morozova	71	Quirin Herzog	114	Piotr Dawidowicz
29	Takayuki Hanazato	72	Max Rabus	115	Dominik Martin-Creuzburg
30	Olga Dubovskaya	73	Steven Declerck	116	Jaromir Seda
31	Ivana Vanickova	74	Wolfgang Engelbrecht	117	Howard Riessen
32	Zhanna Buseva	75	Piotr Bernatowicz	118	W.Gary Sprules
33	Eva Hamrovà	76	Vladimir Korinek	119	Benedetta Ponti
34	Jin-Yong Ha	77	Piotr Maszczyk	120	Piet Spaak
35	Miyuki Inoue	78	Anna Sikora	121	Hannah Robson
36	Boping Han	79	Christian Küster	122	Mirosław Slusarczyk
37	Lei Xu	80	Araceli Adabache-Ortiz	123	Sarah Wolf
38	Dan Cheng	81	Jacek Radzikowski	124	Christian Laforsch
39	Bjorn Walseng	82	Marcelo Silva-Briano	125	Esther Keller
40	Bernard Clement	83	Diego de Jesus Chaparro-Herrera	126	Esmeralda Bravo-Hernandez
41	Miguel Alonso	84	Rainer Deneke	127	Marwa Jalal
42	Anna Bednarska	85	Rocio Fernandez	128	Marte Rosnes
43	Artem Sinev	86	Maria Belyaeva		

symposium in Aguascalientes, Mexico. Between October 2nd and 8th, 2011 researchers from 24 countries found their way to the southern side of the Alps from which, two centuries before, the existence of a “true pelagic fauna” in lakes was supported by Weissman’s finding of *Leptodora hyalina* (= *Leptodora kindtii* Focke). The success of the Symposium is testified by the large number of attendants, constrained by the organizers for practical reasons to a number of ca. 130. In the present issue, we collect 20 scientific contributions that illustrate the diversity of the contributions that were presented during the symposium.

On the cover of this special issue, we reproduce a plate that, to our knowledge, was never used again after its initial publication in 1820. It was carefully scanned from an original water color print of a book one of us (M. Manca) found on a shelf of the old library at the Istituto di Pallanza: “Histoire du Monocles” (Jurine, 1820). In this book, Jurine reported results of a 10-year study on “Monocle qui se trouvent aux environs de Genève” (Ponds that are near Geneva). Poorly known, especially to young scientists, Jurine was indeed very modern in his

scientific approach. He focused on living organisms and aimed at taking into account, among others, the differing body sizes of Cladocera taxa. Not by chance, his plates also include embryonic developmental stages and a picture of *Daphnia* mating, the latter linked to a beautiful painting of an ephippial organism. Also an illustration of how body parts can become Cladocera subfossil remains in the sediments is provided in remarkable detail.

At the end of the conference it was decided that we will meet again in 2014 in the Czech Republic where the team around Adam Petrusek will organize the 10th International Symposium on Cladocera.

References

- Frey, D. G. & L. Forró, 1985. Preface. *Hydrobiologia* 145: V–VI.
- Jurine, L., 1820. *Histoire Des Monocles Qui Se Trouvent Aux Environs de Genève*. J.J. Paschoud, Imprimeur-Libraire, Paris.