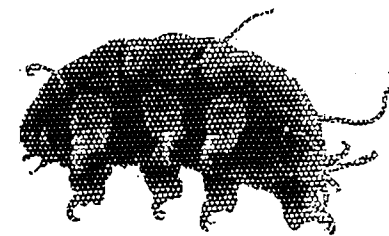
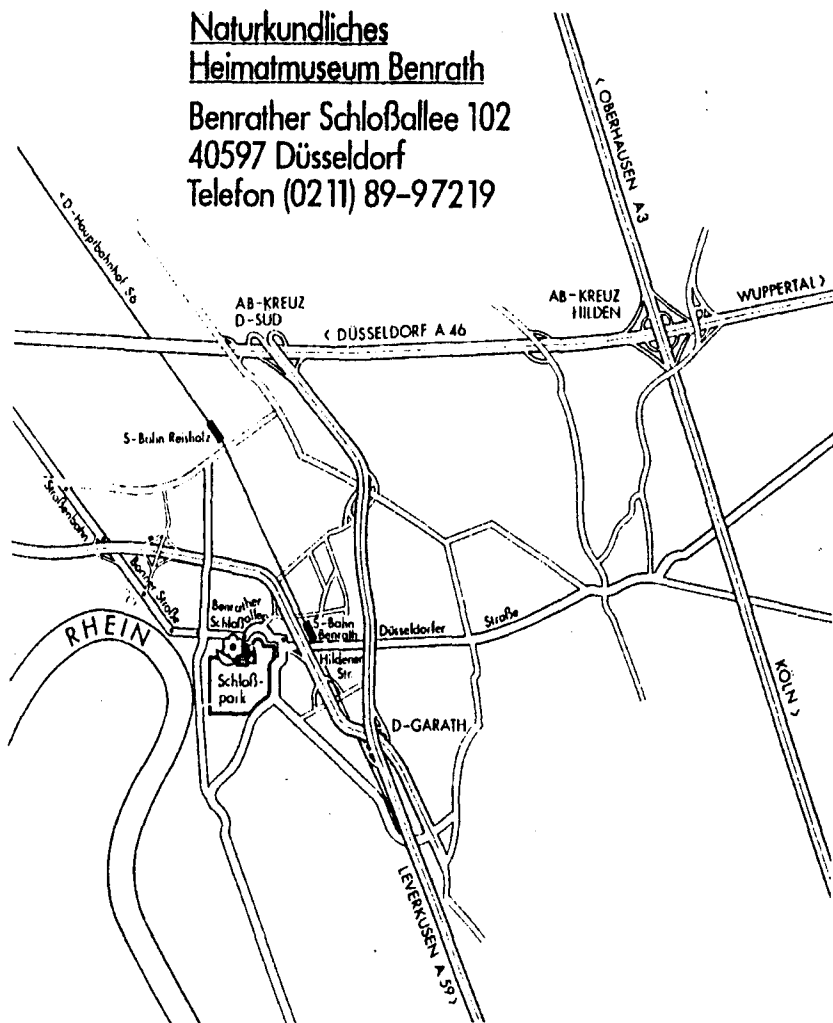


Naturkundliches
Heimatmuseum Benrath

Benrather Schloßallee 102
40597 Düsseldorf
Telefon (02 11) 89-97219



Seventh International Symposium on Tardigrada



Naturkundliches Heimatmuseum Benrath
September 4 - 7, 1997

Programme and timetable

Seventh International Symposium
on Tardigrada

Supported
by
the Deutsche Forschungsgemeinschaft
(DFG)

Thursday

15.00 - 19.00 Registration

Naturkundliches Heimatmuseum Schloß Benrath
Benrather Schloßallee 102
D-40597 Düsseldorf
Tel. + 49 (0) 211 899 7216
899 7219
Fax + 49 (0) 211 892 9115

19.30 Informal get-together

Hotel Restaurant „Zum Neuen Rathaus“
Benrodestr./Ecke Benrather Rathausstr. 1
D-40597 Düsseldorf
Tel. & Fax
+ 49 (0) 211 716666 and 9714203

Friday Morning

09.00 - 09.20 Welcome

Tardigrade Phylogeny and Systematics

Chair: R.M. Kristensen

09.20 - 09.50

Budd, G.

Cambrian stem-group arthropods: Can they help us pin down tardigrade origins?

09.50 - 10.20

Dewel, W.C. & R.A. Dewel

Phylogenetic implications of the morphology of the „suboesophageal ganglion“ and ventral cord of *Echiniscus* sp.

10.20 - 10.50 Coffee and Tea

Chair: R.A. Dewel

10.50 - 11.10

Nelson, D.R. & J. Garey

Molecular analysis of eutardigrades and heterotardigrades

11.10 - 11.40

Eiby-Jacobsen, J.

Are the placoid structures in the tardigrade pharynx homologous throughout the entire group?

11.40 - 12.00

Nelson, D.R. & G. Poinar

A new fossil heterotardigrade from Dominican amber

12.00 - 12.20

Bertolani, R., Marley, N. & D.R. Nelson

Some considerations on *Thulinia* (Eutardigrada, Hypsibiidae), with the redescription of the genus and of *Thulinia augusti* (Murray, 1907) comb.n.

12.20 Lunch break

Friday Afternoon

14.00 - 14.40

Wägele, J.W.

Principles of phylogenetic systematics and sources of errors in molecular systematics (Invited lecture)

following the lecture

Round Table Discussion

Congruence of morphological and molecular data in Tardigrada?
(Chairs: R.M. Kristensen, D. Nelson, J.W. Wägele)

16.30 - 19.00

Walk through the Düsseldorf „Altstadt“

19.00

Get-together in a „Biergarten“ (depends on the weather) or a restaurant in the „Altstadt“

Saturday Morning

Tardigrade anatomy and physiology

Chair: W. C. Dewel

09.00 - 9.45

Kristensen, R.M. & B. Neuhaus

The ultrastructure of the cuticle with special attention to marine tardigrades

09.45 - 10.15

Wiederhöft, H. & H. Greven

Head sensory organs of *Milnesium tardigradum*

10.15 - 10.45

Coffee and Tea

Chair: D. Nelson

10.45 - 11.30

A. Jørgensen, A., Møbjerg, N. & R. M. Kristensen

Ultrastructural studies on spermiogenesis and postcopulatory modifications of spermatozoa of *Actinarctus doryphorus* Schulz, 1935 (Arthrotardigrada: Halechiniscidae).

11.30 - 11.50

Rebecchi, L., Guidi, A. & R. Bertolani

Self-fertilisation in tardigrades

11.50 - 12.10

Krantz, S., Benoit, Th., Beasley, C.W. & G. Wilson

Bacteria associated with *Milnesium tardigradum*

12.10 - 12.30

Marley, N.

Cuticular sculpturing in the *Pseudechiniscus suillus*-species complex

12.30

Lunch break

Saturday Afternoon

15.00 - 18.00

Visit of the

„Löbbecke Museum + Aquazoo Düsseldorf

Kaiserswertherstr.

D-4001 Düsseldorf

and/or

Visit of

Schloß Benrath

Benrather Schloßallee

D-40597 Düsseldorf

19.00

The Symposium Buffett

to be held in the dome hall of the

„Naturkundliches Heimatmuseum Benrath“

Sunday Morning

Tardigrade distribution, ecology and taxonomy

Chair: C.W. Beasley

09.00 - 09.20

Guidetti, R., Nelson, D.R. & R. Bertolani
Tardigrades of the beech litter

09.20 - 09.40

Meier, T.
Tardigrades on tree trunks

09.40 - 10.00

Miller, W.R. & R.M. Kristensen
A new Antarctic species of *Echiniscoides*

10.00 - 10.20

Miller, W.R., Horning, D. & Heatwole, H.
Tardigrades of the Australian Antarctic: Macquarie Island

10.20 - 10.50 Coffee and Tea

Chair: H. Dastych

10.50 - 11.10

Claxton, S.
A new species of *Milnesium* from eastern Australia with some observations on *Limmenius porcellus* (Tardigrada, Milnesiidae)

11.10 - 11.30

Biserov, V.
A review of Tardigrada from the Novaya Zemlya with description of two new species and evaluation of the state of environment in this region

11.30 - 11.50

Beasley, C.W.
Tardigrada from northern Yunnan Province, P.C.R.

11.50 - 12.10

Biserov, V.
Tardigrada of Turkmenistan with description of several new species

12.10 Lunch break

Sunday Afternoon

14.00

Coffee, tea and cakes, closing words

On request

free discussion, exchange and examination of slides etc.

Posters

- Abe, W.
Depth distribution of soil inhabiting tardigrades
- Biserova, N. & L. Rebecchi
Ultrastructural aspects of the reproductive system in some eutardigrades
- Ito, M.
Ecological distribution and abundance of terrestrial tardigrades in various forests of Mt. Fuji, Central Japan
- Marley, N.
Redescription of the *Milnesium* claw type and the peribuccal structure of *Milnesium tetralamellatum*
- Martinez-Arbizu, P. & S. Villora-Moreno
New deep-sea Tardigrada (Halechiniscidae) from the South Atlantic
- McInnes, S.J. & P.J.A. Pugh
Zonation in Antarctic lake-dwelling tardigrades
- McInnes, S.J. & P.J.A. Pugh
Biogeography of limno-terrestrial Tardigrada, with emphasis on the Antarctic fauna
- Miller, W.R. & J.D. Miller
Giant tardigrades of the Sub-Antarctic
- Pugh, P.J.A. & S. J. McInnes
The origin of Arctic tardigrades
- Rebecchi, L., Guidi, A.
New data on the ultrastructure of eutardigrade spermatozoa
- Villora-Moreno, S.
New species of marine Tardigrada (Arthrotardigrada, Halechiniscidae) from South Shetland Islands (Antarctica)