



Abstracts by Helmut Berger

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Foissner W., Blatterer H., Berger H., Kohmann F. (1992): The ciliate atlas - morphology and ecology of the ciliated protozoa used as indicators of water quality. - The Journal of Protozoology, Supplement 39: 45A, Abstract 238.

The Ciliate Atlas - Morphology and Ecology of the Ciliated Protozoa used as Indicators of Water Quality, WILHELM FOISSNER, HUBERT BLATTERER, HELMUT BERGER and FRITZ KOHMANN, Universität Salzburg, Institut für Zoologie, Hellbrunnerstrasse 34, A-5020 Salzburg and Bayerisches Landesamt für Wasserwirtschaft, Lazarettstrasse 67, D-8000 München 19.

Ciliates are excellent bioindicators. In spite of this, they are often ignored by field ecologists because their identification is supposedly more difficult than that of the mesofauna. This shortage should be redressed by our "ciliate atlas". We also reviewed the faunistic and ecological literature distributed in thousands small papers. This causes a considerable size of the atlas, viz. 4 volumes with 500 pages each. Volume I has already been appeared and is sold (50 US\$) by the "Bayerisches Landesamt für Wasserwirtschaft, Lazarettstrasse 67, D-8000 München 19". In our atlas each of the 400 species treated is pre-identified by a simple picture-key; for accurate determination each species is, however, also described in detail and documented by line drawings, light micrographs of living and silver prepared specimens and by scanning electron micrographs. Usually, keys and descriptions are prepared as to enable identification from life. Our revision addresses not only river biologists but also those who are engaged in the control of sewage plants, lakes and drinking waters. All data relating to these fields have been included.

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Links

[Homepage www.protozoology.com](http://www.protozoology.com)

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Genera and higher taxa treated:

Volume I: Cyrtophorida, Chilodonella, Odontochlamys, Thigmogaster, Pseudochilodonopsis, Trithigmostoma, Phascolodon, Chlamydonellopsis, Chlamydonella, Trochilia, Dysteria, Trochilioides, Oligotrichida, Halteria, Pielagohalteria, Strombidium, Strobilidium, Tintinnidium, Tintinnopsis, Codonella, Hypotrichia, Hypotrichida, Stichotrichia, stichotrichous, Stichotricha, Chaetospora, Hypotrichidium, Urostyla, Holosticha, Uroleptus, Paraurostyla, Kerona, Gastrostyla, Pleurotricha, Oxytricha, Tachysoma, Histriculus, Sterkiella, Stylonychia, Steinia, Euplotes, Aspidisca, Copodea, Colpoda, Cyrtolophosis, Platyophrya, Bursaria, Bursaridium

Volume II: Peritrichia, Vorticella, Pseudovorticella, Carchesium, Zoothamnium, Opercularia, Epistylis, Campanella, Ophrydium, Rhabdostyla, Scyphidia, Cothurnia, Lagenophrys, Platycola, Pyxicola, Thuricola, Vaginicola, Astylozoon, Hastatella, Opisthonecta, Trichodina, Heterotrichida, Spirostomum, Stentor, Blepharisma, Pseudoblepharisma, Linostoma, Climacostomum, Metopus, Bothrostoma, Brachonella, Tropidoattractus, Caenomorpha, Odontostomatida, Pelodinium, Epalxella, Saprodinium, Discomorphella

Volume III: Hymenostomata, Dexiostoma, Colpidium, Paracolpidium, Tetrahymena, Glaucoma, Epenardia, Ophryoglena, Paramecium, Frontonia, Disematostoma, Urocentrum, Marituja, Stokesia, Lembadion, Philasterides, Uronema, Kahlilembus, Dexiotricha, Loxocephalus, Cinetochilum, Platyneum, Sathrophilus, Dexiotrichides, Urozoona, Pseudocohnilembus, Pleuronema, Calyptotricha, Ctedoctema, Cyclidium, Prostomatida, Apsiktrata, Apsiktratidae, Holophrya, Prorodon, Urotricha, Balanion, Plagiocampa, Placus, Coleps, Bursellopsis, Trimyema, Nassulida, Zosterodasys, Chilodontopsis, Nassulopsis, Nassula, Obertruria, Leptopharynx, Pseudomicrothorax, Drepanomonas, Microthorax, Hexotricha

Volume IV: Gymenostomatea, Gymnostomatida, Spathidiida, Cyclotrichida, Chaenea, Enchelyodon, Enchelys, Lacrymaria, Phialina, Lagynus, Lagynophrya, Trachelophyllum, Dileptus, Monilicaryon, Paradileptus, Trachelius, Homalozoon, Spathidium, Didinium, Monodinium, Actinobolina, Askenasia, Mesodinium, Plagiopyla, Pleurostomatida, Amphileptus, Litonotus, Acineria,

Loxophyllum, Loxodes, Suctorina, Tokophrya, Staurophrya, Dendrosoma, Heliophrya, Acineta, Enchelyomorpha, Prodiscophrya, Podophrya, Sphaerophrya, Parapodophrya, Metacineta

Additional keywords: abundance, abundance, adaptation, Alveolata, Aufwuchs, Austria, Bach, Bavaria, Benthal, benthic, benthisch, benthos, Bestimmung, Bibliographie, bibliography, Biofilm, biodiversity, biomass, biometry, brook, Buck, Ciliaten, ciliates, Ciliates, Ciliophora, classification, community, contractile vacuole, cortex, cortical granules, counting, cyst, determination, Diversität, diversity, dominance, Dominanz, ecology, Elektronenmikroskopie, euplanktonic, Europe, Fließgewässer, Fließgewässer, Fluß, Fluss, frequency, Frequenz, freshwater, fresh, Geographie, geography, Germany, Gewässer, Gewässeranalyse, Gewässergüte, Glossar, glossary, guide, identification, index, key, Klassifikation, Konstanz, lake, limnetic, Limnologie, limnology, Literatur, literature, literature, macronucleus, Makronucleus, Marvan, method, micronucleus, Mondsee, monograph, movement, nomenclature, Nomenklatur, nutrition, occurrence, Ökologie, Önom, Pantle, parasite, parasitism, plancton, plankton, planktonic, pond, Präsenz, production, Produktivität, productivity, Protargol, protist, Protista, Protozoa, resting cyst, review, revision, running water, salinity, salt, Salzburg, sampling, saprobic system, Saprobität, saprobity, See, Sladeczek, species concept, species, standard, stream, systematics, Süßwasser, Süßwasser, Systematik, Tümpel, Upper Austria, Verbreitung, Vorkommen, water quality, Wimpertierchen, Zelinka, Ziliaten, zooplankton

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