Library of the Museum
OF
COMPARATIVE ZOÖLOGY,

AT HARVARD COLLEGE, CAMBRIDGE, MASS.

Founded by private subscription, in 1861.

~~~~~
FROM THE LIBRARY OF LOUIS AGASSIZ

No. 4222
DEC. 1870 - Apr. 1874

DIE
LAND- UND SÜSSWASSER-CONCHYLIEN
DER
VORWELT

VON

DR. FRIDOLIN SANDBERGER

O. Ö. PROFESSOR AN DER UNIVERSITÄT WÜRZBURG.

TAFELN.

WIESBADEN.

C. W. KREIDEL'S VERLAG.

1870-1875.

Gez. u. lith. v. E. Schlottbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler Stuttgart.

1. *Pupa ovata* Dronson. (Steink.)
2. *Conulus priscus* F. Carpenter. (Steink.)
3. *Cyrena Menkei* Dunk. (Dias.)
4. *Veritina lasina* id. (Dias.)
5. *Corbula varicostata* Sandb. (Br. J.)
6. *Veritina fulens* id. (Br. J.)
7. *Planorbis calculeus* id. (Br. J.)
8. *Palaudina* ? *bulbiformis* id. (Br. J.)
9. *Melania macrochiloides* id. (Br. J.)
10. *Hydrobia praeursor* id. (Br. J.)
11. *Veritina staffinensis* Forbes. (Br. J.)

12. *Cyrena atrata* Forbes. (Br. J.)
13. ——— *canunghami* id. (Br. J.)
14. ——— *maculicollis* id. (Br. J.)
15. *Cyrena rugosa* J. Sorn. sp. (Portl.)
16. *Corbula inflata* A. Roem. sp. (Portl.)
17. *Veritina transversa* v. Seeb. (Portl.)
18. *Corbula gregaria* Koch. Dunk. sp. (Purb.)
19. ——— *alata* J. Sorn. (Purb.)
20. *Cyrena media* Sorn. (Purb.)
21. ——— *palmeriana* Lottol. (Purb.)
22. *Cordium purbeckense* id. (Purb.)

23. *Leptoxis subangulata* A. Roem. sp. (Purb.)
24. *Paludina helioides* Forbes. (Purb.)
25. *Hydrobia Chopardiana* Lottol. (Purb.)
26. *Anniocula Schusteri* A. Roem. sp. (Purb.)
27. *Veritina valdensis* Dunk. (Purb.)
28. *Planorbis Loryi* Coquand. (Purb.)
29. *Physa roentgeniana* id. (Purb.)
30. ——— *bristoni* Forbes. (Purb.)
31. *Littorina picea* id. (Purb.)
32. *Avicula succa* id. Lottol. (Purb.)
33. *Corydium Froti* id. (Purb.)

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kieckhefer's Verlag in Wiesbaden.

Druck v. J. C. Neeser Stuttgart.

1. *Umo Menkei* Dunk.
2. *Cyrena Bronni* id.
3. *Heyse* id.
4. *parviuscula* A. Roem.
5. *majorcula* id.
6. *caudata* id.
7. *sublaevis* id.

8. *Cyrena Jugleri* Dunk. sp.
9. *exarata* Dunk. sp.
10. *Gnathodon vulvulata* Dunk.
11. *Pleurocorus strombiformis* Schlotb. sp.
12. *Goniobasis rugosa* Dunk. sp.
13. *attenuata* J. Som. sp.
14. *Psychostylus harpaformis* Dunk. sp.

15. *Lioplatea Puzosorum* Mart. sp.
16. *elongata* Soro. sp.
17. *inflata* Schlotb.
18. *Bytharia praecursor* id.
19. *Anaxicola Roemeri* Dunk. sp.
20. *Hydrobia Hagenarti* Dunk. sp.
21. *Planorbis Jugleri* id.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler Stuttgart.

- 1 *Unio cretaceus* Zittel
- 2 *Cyrena solitaria* id.
- 3 *Melania Beyrichii* Zekeli sp.
- 4 ——— *granulato-cincta* Stöl.

- 5 *Melanopsis punctata* Stöl.
- 6 ——— *laevis* id.
- 7 *Paludimys Pöhleri* Horn. var. *spinosa*.
- 8 ——— *typus*.
- 9 ——— *nor. nassagformis*.

- 10 *Desmura l'Herminieri* Stöl.
- 11 ——— *bincincta* id.
- 12 *Strophostoma Roussii* Stöl. sp.
- 13 *Cyrena cretacea* Drescher.

Ges. u. lith. v. F. Schlotterbeck

C. W. Kreidel's Verlag in Wiesbaden

Druck v. J. C. Henzler Stuttgart

1. *Margaritana Toulouani* Mathéron sp.
2. *Paludomus tyra* id.
3. *Melanopsis galloprovincialis* id.
4. *M. ritcheensis* id.

5. *Paludina novemcostata* Mathéron
6. *Physa Miodauti* id.
7. *Physa dolibolus* id.

8. *Cyclotus primaeus* Mathéron
9. *Bulinus proboscideus* id.
10. *Anostomopsis rotellaris* id.
11. *Glandina africana* id.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler Stuttgart.

1. *Bulinus proboscideus* Math.
2. *Spatha galloprovincialis* Math. sp.
3. *Cyrena gardanensis* Math. sp.
4. *Melania nerineiformis* Sandb.
5. *Paludina subcylindrica* id.

6. *Cyclophorus Luneli* Math. sp.
7. *_____ helioformis* id.
8. *Leptopoma fuscostriatum* Sandb.
9. *_____ Baylei* Math. sp.
10. *Lychnus Matheroni* Requien

11. *Lychnus ellipticus* Matheron.
12. *Paludina Beaumontiana* id.
13. *Paludomus armatus* Math. sp.
14. *Cyrena garumnica* Leym.
15. *Melanopsis avellana* Sandb.

Gez. u. lith. v. F. Schletterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

1. *Physa prisca* Noulet.
2. *Lymnaeus Hollandi* id.
3. *Megalomastoma Braunii* Noulet sp.
4. *Planorbis subcingulatus* Math.
5. *Sphaerium Verneuli* Boissy sp.
6. ——— *rillyense* Boissy sp.

7. *Paludina aspersa* Mich.
8. *Annicola Nysti* Boissy sp.
9. *Valvata Leopoldi* Boissy.
10. *Planorbis Boissyi* Desh.
11. *Physa parvissima* Boissy.
12. ——— *gigantea* Mich.
13. ——— *pseudogigantea* Sandb.

14. *Physa Prinsepianae* J. Som.
15. *Ancylus Maitheroni* Boissy.
16. *Carychium Michelini* Boissy sp.
17. ——— *Michaudi* Boissy sp.
18. *Ophicardelus remiensis* Mich. sp.
19. *Helix hemisphaerica* id.

Gez. u. lith. v. F. Schlottbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hanzler Stuttgart.

1. *Helix Arnouldi* Mich.
2. *Trochomorpha luna* Mich. sp.
3. *Helix Dumasi* Boissy.
4. *Amphidromus columellaris* Boissy sp.
5. — *rillyensis* Boissy sp.
6. *Columnna columnella* Desh. sp.

7. *Columnna rillyensis* Boissy sp.
8. *Pupa sinuosa* Boissy.
9. — *remiensis* id.
10. — *inermis* Desh.
11. *Megaspira exarata* Mich. sp.
12. *Clausilia Edmondi* Boissy.

13. *Clausilia contorta* Boissy.
14. *Succinea* Boissy. Desh.
15. *Vitrina rillyensis* Boissy.
16. *Cyclophorus helicinaeformis* Boissy sp.
17. *Graspedopoma corioideum* Boissy sp.
18. *Megalomastoma Arnouldi* Mich. sp.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. G. Henzler, Stuttgart.

1. *Unio Michaudi* Desh.
2. — *truncatus* Mich.

3. *Unio Wateleti* Desh.
4. — *Wateleti* Desh. (umbo.)

5. *Cyrena tellinella* Fer.
6. — *cuneiformis* id.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hensler, Stuttgart.

1. *Cyrena antiqua* Fér.
2. *Pisidium laevigatum* Desh.
3. *Melania inquinata* Döfr.
4. *Porena Dutemplei* Desh.
5. *Melanopsis buccinoides* Fér.
6. *Amnicola Parkinsoni* Morr.

7. *Hydrobia Websteri* Morr.
8. *Physa Lamberti* Desh.
9. ——— *columellaris* id.
10. *Planorbis hemistoma* Sow.
11. ——— *sparnacensis* Desh.
12. ——— *subovatus* id.

13. *Auricula Dutemplei* Desh.
14. *Carychium sparnacense* id.
15. *Pupa bigeminata* id.
16. *Succinea sparnacensis* id.
17. *Trochomorpha perelegans* id.
18. *Helix rara* Boissy.

Gez. u. lith. v. E. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

1. *Cyrena Gravesi* Desh.
2. ————— *suborbicularis* id.
3. ————— *intermedia* id.
4. ————— *amygdalina* id.
5. ————— *acutangula* id.
6. *Pisidium cardiolum* id.
7. *Nematura abnormis* id.

8. *Hydrobia cylindracea* Desh.
9. *Melanopsis ovularis* id.
10. *Cerastostylus Parkinsoni* Desh. sp.
11. ————— *obtusum* Desh. sp.
12. *Helix Rigaulti* Desh.
13. *Clausilia Jonchergensis* id.
14. *Cylindrella parisiensis* id.
15. *Megaspira elongata* Desh.

16. *Pupa interstrens* Desh.
17. ————— *Dohrni* id.
18. *Glandina fragilis* id.
19. *Triloposia dentata* Desh. sp.
20. *Marinula Lomei* Desh. sp.
21. *Auricula depressa* Desh.
22. *Craspedopoma insuetum* Desh. sp.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

- 1 *Cyrena compressa* Desh.
- 2 ——— *ovalina* id.
- 3 ——— *cycladiformis* id.
- 4 *Melania lactea* Lam.
- 5 *Pirena Lamarckii* Desh.
- 6 ——— *dispar* id.
- 7 *Melanopsis buccinulum* id.

- 8 *Hydrobia subulata* Desh. sp.
- 9 *Nematura globulus* Desh. sp.
- 10 *Euchilus Desmaresti* Prév. sp.
- 11 *Assisina conica* Prév. sp.
- 12 *Ancylus Dutempii* Desh.
- 13 *Marina Marceausi* Desh. sp.

- 14 *Pythiopsis Lamarckii* Desh. sp.
- 15 ——— *ovata* Lam. sp.
- 16 *Planorbis paciencensis* Desh.
- 17 ——— *subangulatus* Lam.
- 18 *Limneus Duchastelii* Desh.
- 19 *Truncatella antediluviana* id.
- 20 *Megalomastoma mumia* Lam. sp.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

1. *Cyrena sirena* Al. Brongn. sp.
2. *Helix damata* Al. Brongn. sp.
3. *Megalomastoma imbricatum* Sandb.
4. *Pomatias crassicosta* id.
5. *Cyclotus obtusica* id.

6. *Cyclotus exaratus* Sandb.
7. *_____ laevigatus* id.
8. *Cardiotoma trochulus* id.
9. *Helix coriacea* id.
10. *_____ hyperbolica* id.

11. *Helix radula* Sandb.
12. *_____ decussata* id.
13. *_____ biconvexa* id.
14. *Clausilia indifferens* id.
15. *Pupa simplex* id.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

- 1 *Sphaerium castrense* Noulet
- 2 *Melania lombersensis* id.
- 3 *Melanopsis proboscidea* Desh.
- 4 *_____ castrensis* Noulet
- 5 *Paludina novigentiensis* Desh.
- 6 *Hammeri* Def.
- 7 *Orbignyana* Desh.
- 8 *Euchilus Deschienstanum* Desh. sp.
- 9 *Planorbis Chertieri* Desh.
- 10 *_____ pseudammonius* Völz

- 11 *Planorbis Leymeriei* Desh.
- 12 *_____ castrensis* Noulet
- 13 *Limnaeus Michelini* Desh.
- 14 *_____ olivula* Rouis.
- 15 *Helix occlusa* F. Edw.
- 16 *_____ laticostulata* Sandb.
- 17 *Hyalinia Voltzii* Desh. sp.
- 18 *Cionella formicaria* Rouis sp.
- 19 *Clausilia crenata* Sandb.

- 20 *Clausilia densicostulata* Sandb.
- 21 *Pupa Fontenayi* Rouis.
- 22 *_____ novigentiensis* Sandb.
- 23 *Succinea palliolum* Rouis.
- 24 *Parmacellina vitrinaeformis* Sandb.
- 25 *Glandina Cordieri* Desh. sp.
- 26 *Oleacina teres* Rouis sp.
- 27 *Strophostoma striatum* Desh.
- 28 *Megalomastoma turgidulum* Rouis sp.
- 29 *Pomatias Sandbergeri* Noulet.

Gez. u. lith. v. F. Schlotterbeck.

© W. Kreidel's Verlag in Wiesbaden

Druck v. J. C. Henzler Stuttgart

- 1 *Glanina Nardoti* Desh.
- 2 *Cyrena cornuta* id.
- 3 *_____ generata* Desf. sp.
- 4 *_____ crassa* Desh.
- 5 *Maanensis protocataea* id.
- 6 *Ejarcota fida* Desh. sp.
- 7 *_____ subulata* Desh. sp.
- 8 *_____ microstoma* Desh. sp.
- 9 *Monatura maculosa* Desh.

- 10 *_____*
- 11 *Planorbis nitidus*
- 12 *_____*
- 13 *Pulmonensis nobis*
- 14 *Thaenrus nagi*
- 15 *Helix montana*

- 16 *_____*
- 17 *_____*
- 18 *_____*
- 19 *_____*
- 20 *_____*
- 21 *_____*
- 22 *_____*
- 23 *_____*
- 24 *_____*
- 25 *_____*
- 26 *_____*

Gez u lith v F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart

- 1 *Potamomya gregaria* Sov.
- 2 *Cyrena obovata* id.
- 3 *Unio Solanari* id.
- 4 *Dreissena unguiculata* Sandb.
- 5 *Melania muricata* Wood.
- 6 ——— *fasciata* Sov.
- 7 *Melanopsis brevis* Sov. sp.
- 8 ——— *subcarinata* Sov.
- 9 *Hydrobia pyramidalis* Desh. sp.

- 10 *Nystia macrostoma* Desh. sp.
- 11 *Paludina lenta* Sov.
- 12 *Assiminea conica* Prév. sp.
- 13 *Neritina concava* Sov.
- 14 ——— *planilata* F. Edm.
- 15 ——— *aperta* Sov.
- 16 *Megalomastoma mamta* Lam. sp.
- 17 *Limneus pyramidalis* Brard.
- 18 ——— *longiscatus* Brongn.

- 19 *Limneus acuminatus* Brard.
- 20 ——— *caudatus* F. Edm.
- 21 *Planorbis goniobasis* Sandb.
- 22 ——— *euomphalus* Sov.
- 23 ——— *obtusius* id.
- 24 ——— *elegans* F. Edm.
- 25 ——— *lens* Brongn.
- 26 ——— *platystoma* Wood.
- 27 *Helix oclusa* F. Edm.

Verl. v. J. C. Neumann, Neudamm.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Neumann, Stuttgart.

5 *Planorbis oligyratus* F. Edw.

6 *Limneus elongatus* M. de Cuv.

7 *Amphidromus lappalongus* L.

8 *Amphidromus ulitica* Som. sp.

9 *Pupa neritoides* F. Edw.

10 *Tringia striatula* L.

11 *Tringia striatula* L.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

1. *Helix vetricensis* F. Edm.
2. — *olla* M. de Serres
3. — *globosa* Som.
4. — *Vitalid* Boissy.
5. — *Coquandiana* Mathéron.
6. *Nanina intricata* Noulet sp.

7. *Hyalina D'Urban* F. Edm.
8. *Glandina costellata* Som. sp.
9. *Craspedomma egregium* Noulet sp.
10. *Cyclotus Coquandi* Mathéron.
11. — *cinctus* F. Edm.

12. *Megalomastoma formosum* Boule sp.
13. *Callia laevis* F. Edm. sp.
14. *Pomatias lamellosus* F. Edm. sp.
15. *Neritina brevispira* Sandb.
16. — *lautricensis* Noulet.
17. *Melania Laurae* Mathéron.

Gez. u. lith. v. F. Schlotterbeck

C. W. Kreidel's Verlag in Wiesbaden

Druck v. J. C. Henzler, Stuttgart.

- 1 *Melania albigena* Noulet
- 2 *Melanopsis mansiana* id. var.
- 3 *Paludina soricina* id.
- 4 *Hydrobia indifferens* Sandb.
- 5 *Valvata circinata* Merian sp.
- 6 *Planorbis patella* Sandb.
- 7 *Limneus marginatus* id.

- 8 *Melampus alsaticus* Merian sp.
- 9 *Nematura* sp.
- 10 *Megalomastoma Koehlinianum* Mer. sp.
- 11 *Planorbis crassus* M. de Serres.
- 12 ——— *cornu* Brongn.
- 13 ——— *spretus* Noulet.
- 14 *Helix cadurcensis* id.

- 15 *Helix Nicolavi* Noulet
- 16 ——— *Rautava* id.
- 17 ——— *comatula* Sandb.
- 18 ——— *cordata* Noulet
- 19 ——— *adornata* id.
- 20 *Cyclostoma* ? *cadurcensis* Noulet sp.
- 21 *Pomatias cietracensis* Noulet.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

- 1 *Sphaerium cosinense* Stache.
- 2 *Melania tergestina* id.
- 3 *Stomatopsis crassicostata* id.
- 4 *_____ cosinensis* id.
- 5 *Paludomus bicinctus* id.
- 6 *_____ cosinensis* id.
- 7 *Helix anthracophila* id.
- 8 *Cyrena suborbicularis* Desh.
- 9 *Melania ductrix* Stache.

- 10 *Melania asphaltica* Stache.
- 11 *_____ pisinensis* id.
- 12 *Melanopsis Jasonis* id.
- 13 *_____ abeyridum* id.
- 14 *Hydrobia chararum* id.
- 15 *Lymnaea otiformis* id.
- 16 *Melampus dalmatinus* id.
- 17 *Pachyotus rasinensis* id.
- 18 *Fascinella eocenica* id.
- 19 *Megalomastoma infranumulticum* id.

- 20 *Pirena* sp.
- 21 *Bulimus salernensis* Mathéron.
- 22 *Cyrena Arnouldi* Mich.
- 23 *Stolidoma crassidens* Desh.
- 24 *Auricula aquitanica* Sandb.
- 25 *Hydrobia Dubuissontii* Bouill. sp.
- 26 *_____ Sandbergeri* Desh. sp.
- 27 *Strophostoma anomphalus* Sandb.
- 28 *Leptopoma inornatum* id.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hensler, Stuttgart.

- 1 *Cyrena pulchra* Soro.
- 2 ——— *semistriata* Desh.
- 3 ——— *obtusa* Forbes
- 4 ——— *tenuistriata* Dunker
- 5 *Potamoclis turritissima* Forbes sp.
- 6 *Melania muricata* Wood.
- 7 ——— *spira* Dunker
- 8 ——— *Nystis* Duchastel var.
- 9 ——— *typus*.

- 10 *Melanopsis carinata* Soro.
- 11 *Enchilus Chastelii* Nyst. sp.
- 12 ——— *pupiniformis* Sandb.
- 13 *Amnicola angulifera* Dunker
- 14 *Nematura pupa* Nyst. sp.
- 15 *Planorbis depressus* Nyst.
- 16 *Dreissena Basteroti* Desh.
- 17 *Cyrena Brongniarti* Basterot.
- 18 *Melania Escheri* Merian var.

- 19 *Melania Escheri* Merian var.
- 20 ——— *Mayeri* Grumbel.
- 21 *Melanopsis subulata* Sandb.
- 22 *Moitessieria acicula* A. Braun sp.
- 23 *Nematura lubricella* A. Braun sp.
- 24 *Nematurella flexilabris* Sandb.
- 25 *Alexia suturalis* id.
- 26 *Planorbis cornu* Brongn. var.
- 27 ——— *amblytropis* Sandb.

Ges. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

- 1 *Helix Lucani* Tournour.
- 2 *Otopoma triaxaratum* Mart. sp.
- 3 *_____ divionense* Mart. sp.
- 4 *Euchilis gracile* Sandb.
- 5 *Planorbis subteres* id.
- 6 *Limneus subovatus* Hartm.

- 7 *Patula ggarbis* v. Klein sp.
- 8 *Helix subapicalis* Sandb.
- 9 *_____ quadrifasciata* id.
- 10 *_____ arepidostoma* id.
- 11 *_____ rugulosa* v. Martens.
- 12 *_____ Ramondi* Al. Brongn.
- 13 *_____ brachystoma* Sandb.

- 14 *Clausilia antiqua* Schübl.
- 15 *Arctaeoxonites subangulosus* Benx. sp.
- 16 *_____ subverticillatus* Sandb.
- 17 *Omphalosagda subrugulosa* Quenst. id.
- 18 *Glandina inflata* Reuss
- 19 *Strophostoma anomphalus* Sandb. var.

Gez. u. lith. v. F. Schlotterbeck.

C.W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzlar, Stuttgart.

- 1 *Helix Moroguesi* Al. Brongn.
- 2 — *girondica* Noulet.
- 3 — *luchardensis* id.
- 4 *Neritina squamulifera* Sandb.
- 5 *Moutassieria microceras* Braun sp.
- 6 *Hydrobia obtusa* Sandb.
- 7 *Nematura gracilis* Lüdm.
- 8 *Valvata gracilis* Sandb.
- 9 *Pupa* Schwaigeri Reuss.

- 10 *Carychium nanum* Sandb.
- 11 *Vitrina intermedia* Reuss
- 12 *Patula disculus* A. Braun sp.
- 13 — *multicostata* Thomae sp.
- 14 — *nana* A. Braun sp.
- 15 — *paludinaeformis* A. Braun sp.
- 16 *Helix Sandbergeri* Desh.
- 17 — *involuta* Thomae
- 18 — *osculum* id.
- 19 — *phacodes* id.

- 20 *Helix sublentacula* Sandb.
- 21 — *lepidotricha* A. Braun.
- 22 — *colorata* id.
- 23 — *subsulcosa* Thomae.
- 24 — *deflexa* A. Braun
- 25 — *hortalana* Thomae.
- 26 — *cystoma* id.
- 27 — *expansilabris* Sandb.
- 28 — *Raktii* A. Braun

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hensler, Stuttgart.

- 1 *Helix pomiformis* A. Braun
- 2 *Bulinus gracilis* Thoms.
- 3 *Cionella labricella* A. Braun sp.
- 4 *Glaustilia articulata* Sandb.
- 5 ——— *rhombostoma* Böttg.
- 6 *Pupa subvariabilis* Sandb.
- 7 ——— *cylindrella* A. Braun
- 8 ——— *subconica* Sandb.
- 9 ——— *quadrigranata* A. Braun
- 10 ——— *crassa* Sandb.
- 11 ——— *cryptodus* Braun

- 12 *Pupa lineolata* Braun
- 13 ——— *subtilissima* id.
- 14 ——— *lamellidens* Sandb.
- 15 ——— *didymodus* Braun
- 16 ——— *trigonostoma* id.
- 17 ——— *tiarula* id.
- 18 ——— *microhelix* Sandb.
- 19 *Testacella* sp. (juv.)
- 20 *Trochomorphia intricata* Braun sp.
- 21 *Omphalosagda Goldfussi* Thom. sp.
- 22 *Hyalina strectrypta* Braun sp.

- 23 *Hyalina impressa* Sandb.
- 24 *Strobilus uniplicatus* Braun sp.
- 25 ——— *anura* Böttg. sp.
- 26 *Arcaia fluviana* Sandb.
- 27 *Pomatias labellum* Thoms. sp.
- 28 *Cyclostomus antiquus* Lam. sp.
- 29 *Craspedopoma utriculosum* Sandb.
- 30 *Megalomastoma pupa* Braun sp.
- 31 *Strophostoma tricarinatum* Braun.
- 32 *Oleacina Sandbergeri* Thoms. sp.
- 33 *Glandina rugulosa* Sandb.

Gez. u. hdb. v. F. Schlotterbeck

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hensler, Stuttgart.

- 1 *Planorbis Ungeri* Reuss
- 2 *Ancylus decussatus* id.
- 3 *Patula plicatella* Reuss sp.
- 4 *Helix Kinnei* Reuss
- 5 *denexa* id.
- 6 *homalospira* id.
- 7 *apicalis* id.
- 8 *bohemica* Böttg.
- 9 *obuscarinata* Sandb.
- 10 *robusta* Reuss.
- 11 *Bulimus complanatus* id.

- 12 *Bulimus filocinctus* Reuss
- 13 *Clausilia vulgata* id.
- 14 *tenasciuta* id.
- 15 *amphiodon* id.
- 16 *polyodon* id.
- 17 *Pupa microstoma* id.
- 18 *flexidens* id.
- 19 *callosa* id.
- 20 *Azecla monocraspedon* Slazic.
- 21 *Succinea affinis* Reuss.

- 22 *Succinea peregrina* Sandb.
- 23 *Hyalinia denudata* Reuss.
- 24 *Strobila elasmodontia* Reuss. sp.
- 25 *Archaeoniles semiplanatus* Reuss sp.
- 26 *Haidingeri* Reuss sp.
- 27 *Vitrina intermedia* Reuss.
- 28 *Oleacina Sandbergeri* Thomae sp.
- 29 *producta* Reuss sp.
- 30 *Acicula umbata* Reuss.
- 31 *Pomatias Rubeschi* id.
- 32 *Craspedonoma leptopomoides* Reuss. sp.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hensler, Stuttgart.

1. *Dreissena Brardii* A. Brongn. sp.
2. *Cyrena Fajassii* Desh.
3. *Meritina fluviatilis* Lin.
4. *Melanothis callosa* A. Braun.
5. *Hydrobia inflata* Fajf. sp.
6. ————— *ventrosa* Mont. sp.
7. *Euchilus succineiforme* Sandb.
8. *Paludina pachystoma* id.
9. *Planorbis declivis* A. Braun.
10. ————— *dealbatus* id.
11. ————— *nympholyoides* Sandb.
12. ————— *crassilabris* id.

13. *Limneus pachygaster* Thomaes.
14. ————— *subpalustris* id.
15. ————— *fragilis* Grateloup.
16. *Carychium antiquum* A. Braun.
17. *Helix maticca* Stein.
18. ————— *moerhousi* Desh.
19. ————— *punctigera* Thomaes.
20. ————— *osculum* id. var.
21. *Butimus turgidulus* Sandb.
22. *Clausilia bulimoides* A. Braun.
23. *Pupa nördlingensis* Klein.

24. *Pupa quadruplicata* Braun.
25. ————— *allogodus* Sandb.
26. ————— *Rahtii* Braun.
27. ————— *obstructa* id.
28. ————— *anodonta* id.
29. *Meritina Grateloupiana* Fér.
30. *Melanothis aequensis* Grat.
31. ————— var.
32. ————— *Hoernesii* C. Mayer.
33. *Euchilus Lomani* Bast. sp.
34. ————— *subpygmaeum* Noul. sp.
35. *Clausilia maxima* Grat.

Gez. u. lith. v. F. Schlottmann.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henschel, Stuttgart.

- 1 *Dreissena alta* Sandb.
- 2 *Cyrena ulmensis* C. Mayer.
- 3 *Melanopsis glandicula* Sandb.
- 4 ——— *citharella* Mörion.
- 5 ——— *tabulata* Hörnes.
- 6 *Hydrobia ventrosa* Mont.
- 7 ——— *Tourmouleri* C. Mayer sp.
- 8 *Amnicola turonensis* C. Mayer sp.
- 9 *Cassidula amblicata* Desh. sp.
- 10 *Auricula oblonga* Desh.

- 11 *Auricula Deshayesi* Tourn.
- 12 *Alexia Tourmouleri* C. Mayer sp.
- 13 ——— *risolima* Desh. sp.
- 14 ——— *notyodon* Sandb.
- 15 ——— *acuta* Dujard. sp.
- 16 *Planorbis solidus* Thomae.
- 17 *Helix Lartetii* Boissy var.
- 18 ——— *turonensis* Desh. var.
- 19 ——— ——— ——— *typus*

- 20 *Helix exstincta* Rambur.
- 21 ——— *Ligeriana* C. Mayer.
- 22 *Cyclostomus turgidulus* id.
- 23 *Helix gemiculata* Sandb.
- 24 *Cyrena Suessii* C. Mayer.
- 25 *Melanopsis Martiniana* Fér.
- 26 ——— *Lafurii* id. var.
- 27 *Melania gracilicosta* Sandb.
- 28 ——— *auricosta* Desh.
- 29 *Neitina sena* Cantraine.

Gez. u. lith. v. P. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Neudorfer in Wiesbaden.

- 1 *Sphaerium Normanii* Mich.
- 2 *Paludina ventricosa* Sandb.
- 3 *Bytharia tentaculata* L. sp.
- 4 *Valvata piscinalis* Mich.
- 5 *marginata* id.
- 6 *Planorbis Thiollieri* id.
- 7 *Mariae* id.
- 8 *gemulata* Sandb.
- 9 *carinatus* Müll. var.

- 10 *Planorbis filocinctus* Sandb.
- 11 *Linnaeus Bouilleti* Mich.
- 12 *Carychium pachyphalus* Sandb.
- 13 *Patula ruderioides* Mich. sp.
- 14 *Helix Bernardi* Mich.
- 15 *Chassani* id.
- 16 *Godarti* id.
- 17 *Naglesi* id.
- 18 *Azeca Loryi* id.
- 19 *Clausilia Michelotti* id.

- 20 *Clausilia Terrieri* id.
- 21 *Pupa Baudoni* id.
- 22 *myrmica* id.
- 23 *Dupuyi* id.
- 24 *Testacella Lortetii* Dupuy.
- 25 *Hyalina urticae* Desh.
- 26 *Strobilus labyrinthicus* Desh.
- 27 *Hyalina crystallina* Müll.
- 28 *Craspedonoma conoidale* Mich. sp.

Gez. u. lith. v. E. Schlottbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

- 1 *Gillia utriculosa* Sandb.
- 2 *Carinifera multiformis* Schübl. sp.
- 3 *oxystoma* Klein sp.
- 4 *Planorbis Zietenii* A. Braun.
- 5 *costatus* Klein.
- 6 *Limneus socialis* Schübl.
- 7 *Patula solarioides* A. Braun.
- 8 *Helia subcarinulata* Sandb.
- 9 *steinheimensis* Klein.
- 10 *sylvestris* Zieten.

- 11 *Clausilia suturalis* Sandb.
- 12 *Pupa antiqua* Schübl.
- 13 *Neritina crenulata* Klein.
- 14 *Melania Eschert* Merian.
- 15 *Melanopsis Kleinii* Kurr.
- 16 *Bythinia gracilis* Sandb.
- 17 *ovata* Dunk. sp.
- 18 *Planorbis Mantelli* Dunk.
- 19 *Hilgendorfi* Fraas.

- 20 *Planorbis declivis* A. Braun.
- 21 *laevis* v. Klein.
- 22 *Duruyanus* Noulet.
- 23 *Lartetii* id.
- 24 *Limneus dilatatus* id.
- 25 *armeniacensis* id.
- 26 *turritus* Klein.
- 27 *Laurillardianus* Noulet.
- 28 *Ancylus denarditus* Desm.
- 29 *Carychium Nouleti* Bourg.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hanzler, Stuttgart.

- 1 *Patula euglyphoides* Sandb.
- 2 — *supracostata* id.
- 3 *Helix submurchella* id.
- 4 — *giengensis* Krauss
- 5 — *coarctata* Klein
- 6 — *retrocostata* Sandb.
- 7 — *carinata* Klein.
- 8 — *affera* v. Martens.
- 9 — *helix* Kurr
- 10 — *ehingensis* Klein.
- 11 — *Leymeriana* Noulst.
- 12 — *Lartetii* Boissy.

- 13 *Helix sytana* Klein.
- 14 — *pachystoma* id.
- 15 *Caecilomella aciculaella* Sandb.
- 16 *Subulina minuta* Klein sp.
- 17 *Axeca loxostoma* Klein sp.
- 18 *Clausilia grandis* Klein.
- 19 *Pupa Blainvilliana* Dupug.
- 20 — *pariana* id.
- 21 — *Noulettiana* id.
- 22 — *Lartetii* id.
- 23 — *diversidens* Sandb.

- 24 *Pupa farcimen* Sandb.
- 25 — *trochulus* id.
- 26 *Succinea minima* Klein.
- 27 *Vitrina suevica* Sandb.
- 28 *Hyalina orbicularis* Klein sp.
- 29 — *subnitens* Klein sp.
- 30 *Levassieri* Lartetii Dupug.
- 31 *Oleacina eburnea* Klein sp.
- 32 *Glandina porrecta* Cobanx sp.
- 33 *Cyclostomus bisulcatus* Kisten sp.
- 34 — *conicus* Klein sp.
- 35 *Tudora Lartetii* Noul. sp.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

1 *Unio flabellatus* Goldf.
2 — *id.* var. *subtrigonus* Noal.

3 *Unio Eseri* Krauss.
4 — *Vukotinovići* Hömes.
5 *Dreissenomya Schröckingeri* Fuchs.

6 *Pisidium priscum* Eichr.
7 *Valvata radiatula* Sandb.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hanzler, Stuttgart.

- 1 *Dreissenia subglobosa* Partsch sp.
- 2 *triangularis* Partsch sp.
- 3 *subcarinata* Desh.
- 4 *clavaeformis* Frauss.
- 5 *amygdaloides* Dunk.
- 6 *simplex* Barbot.
- 7 *Cardium apertum* Münt.
- 8 *Melanopsis impressa* Frauss.

- 9 *Melanopsis Martiniana* Fér.
- 10 *ead. var.*
- 11 *Bouéi* Fér.
- 12 *acanthica* Neumayr.
- 13 *inconstans* id.
- 14 *Furgula Haueri* id.
- 15 *Trygonia Tournoueri* Neum sp.
- 16 *Goniochilus costatum* Fuchs sp.
- 17 *Tritotoma apellana* Neum. sp.

- 18 *Tritotoma Zelebori* Hörn. sp.
- 19 *radia* Neum. sp.
- 20 *Melanthio varicosa* Bronn sp.
- 21 *Paludina lorostoma* Sandb.
- 22 *acutostoides* Desh.
- 23 *Vitricornis* Frauer.
- 24 *Uroplax Duboisii* Mayer sp.
- 25 *Bythinia tentaculata* Lin. sp.

Gez u lith. v. F. Schlottarbeck

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Hanzler, Stuttgart.

1. *Turbonilla inaspecta* Fuchs sp.
2. *Prososthenia Schmartii* Neumayr
3. *Nematurella dalmatina* Neum. sp.
4. *Valvata balatonica* Rolle
5. *_____ piscinalis* Müll.
6. *Lithoglyphus panicum* Neum.
7. *Bythinia Verneuli* C. Mayer sp.

8. *Fossarulus tricaratus* Brusina
9. *Valenciennia convulata* Rousseau
10. *Linneus velatus* Desh.
11. *Planorbis varians* Fuchs
12. *Helix goniostoma* Sandb.
13. *Melanopsis praerosa* Lin.

14. *Hydrobia assimineiformis* Sandb.
15. *Linneus pereger* Müll.
16. *Helix obvoluta* id.
17. *_____ Brochii* C. Mayer
18. *Hyalina hialca* Jan.
19. *Orthiscardus pyramidalis* Sora sp.
20. *Paludina parilis* S. Wood.

Gesz. u. lith. v. F. Schlotterbeck

C. W. Kreidel's Vorlag in Wiesbaden.

Druck v. J. C. Neumann, Stuttgart

1 <i>Paludina diluviana</i> K. enth.	16 <i>Valvata contorta</i> Menke.	31 <i>Succinea nitris</i> L. sp.
2 <i>Cyrena (Cyrcula) consobrina</i> Caill.	17 ——— <i>macrostoma</i> Steenb.	32 <i>Pupa Shuttleworthiana</i> Charn.
3 <i>Pisidium Henslowianum</i> Sherr. sp.	18 ——— <i>cristata</i> Müll.	33 ——— <i>aterrima</i> L.
4 ——— <i>casertanum</i> Pol. sp. var. <i>pulchellum</i>	19 <i>Planorbis micromphalus</i> Sandb.	34 ——— <i>columella</i> Benx.
5 ——— <i>annuum</i> Müll. sp.	20 ——— <i>septemgyratus</i> Kiegl.	35 ——— <i>minima</i> L.
6 <i>Sphaerium rivicola</i> Leach sp. juv.	21 ——— <i>acies</i> Müll. sp.	36 <i>Clavistilia pumila</i> Kiegl.
7 ——— <i>id.</i> adult	22 ——— <i>altus</i> Müll.	37 <i>Bulinus montanus</i> Drap.
8 <i>Unio pectorum</i> L. sp.	23 ——— <i>Rossmässleri</i> Auerst.	38 <i>Helix sylvatica</i> L.
9 ——— <i>crassus</i> Philpp.	24 ——— <i>corneus</i> L. sp.	39 ——— <i>alveolus</i> Sandb.
10 ——— <i>botaurus</i> Nilsson.	25 <i>Aplexa hygnorum</i> L. sp.	40 ——— <i>sericea</i> Drap.
11 ——— <i>littoralis</i> Lam.	26 <i>Linnaeus fragilis</i> L. sp.	41 ——— <i>rufescens</i> Penn. var.
12 <i>Bythinia Troschelii</i> Paasch.	27 ——— <i>truncatulus</i> Müll. sp.	42 <i>Patula rudrata</i> Stud. sp.
13 ——— <i>tentaculata</i> L. sp.	28 <i>Ancylus fluviatilis</i> Müll.	43 ——— <i>expansa</i> Drap.
14 <i>Paludina vivipara</i> Müll. sp.	29 <i>Succinea oblonga</i> Drap.	44 <i>Hyalina vitridula</i> Menk.
15 <i>Valvata naticina</i> Menke.	30 ——— <i>ead.</i> var. <i>elongata</i> Braun.	45 ——— <i>crystallina</i> M.

Gez. u. lith. v. F. Schlotterbeck.

C. W. Krendel's Verlag in Wiesbaden

Druck v. J. G. Henzler Stuttgart

1. *Helix pomatia* Lin.
2. — *laticosta* id.
3. — *canthensis* Beyr.
4. — *Nilssoniana* Beck sp.
5. — *incarnata* Müll.
6. — *umbrosa* Partsch.
7. — *fruticum* Müll.

8. *Helix stuzella* Drap.
9. — *badens* Chemn.
10. — *pulchella* Müll. var. *ellata* Braun.
11. — *negronata* Lam.
12. — *obvoluta* Müll.
13. *Patula solaria* Menke sp.
14. — *rotundata* Müll. sp.
15. *Hyalimnia hyalina* Fér. sp.

16. *Hyalimnia nitens* Müll. sp.
17. *Zonitoides arctiformis* Klam. sp.
18. — *verru. latus* Fér. sp.
19. *Puzosia puzosiana* Fér. sp.
20. *Acicula puzosiana* Hartm.
21. — *puzosiana* Fér. sp.
22. *Puzosia nodosa* Tourn. sp.

622. u. lith. v. E. Schlotterbeck.

C. W. Kreidel's Verlag in Wiesbaden.

Druck v. J. C. Henzler, Stuttgart.

1. *Pisidium casertanum* Poli.
2. *Bythinella marginata* Mich. sp.
3. *Valvata cristata* Müll.
4. *Planorbis fontanus* Lightf.
5. ——— *contortus* Müll.
6. ——— *rotundatus* Poir.
7. ——— *vortex* Müll.
8. ——— *complanatus* Poir.
9. ——— *carinatus* Müll.
10. ——— *nautilus* L. var. *cristatus*
11. *Physa fontinalis* Linné
12. *Limneus fragilis* id.
13. ——— *pereger* Müll.

14. *Limneus ovatus* Lam.
15. *Carychium minimum* Müll.
16. *Succinea paludinae* formis A. Braun
17. ——— *oblonga* Drap.
18. ——— *Pfeifferi* Rossm.
19. *Caecilonella accula* Müll. sp.
20. *Pupa angustior* Jeffreys.
21. ——— *pygmaea* Müll.
22. ——— *ventrosa* Haghem
23. ——— *minutissima* Hartm. sp.
24. ——— *muscorum* Linné
25. ——— *doliolum* Drap.
26. *Clausilia plicata* id.

27. *Clausilia pumila* Ziegl.
28. ——— *plicatula* Drap.
29. ——— *ventricosa* id.
30. ——— *filograna* Ziegl.
31. ——— *laminata* Mont.
32. *Cionella lubrica* Müll. sp.
33. *Axeca Menkeana* C. Pfeiff. sp.
34. *Chondrula tridens* Müll. sp.
35. *Helix hortensis* id.
36. ——— *memoralis* Linné
37. ——— *vindobonensis* C. Pfeiff.
38. ——— *torrensensis* Sandb.
39. ——— *arbutorum* Müll.

Gedruckt von F. Schönerbeck.

C.W. Kreidel's Verlag in Wiesbaden.

Druck v. J.C. Henzler, Stuttgart.

1. *Helix arbustorum* L. (typus)
2. — ead. var. *alpicola*.
3. — *fruticum* Müll.
4. — *rufescens* Penn.
5. — *villosa* L.
6. — *variegata* Sandb.
7. — *sericea* Drap.
8. — *hispida* L. var. *major*.
9. — ead. var. *media*.
10. — ead. var. *minor*.
11. — *hidens* Chemn. var. *minor*.
12. — *costulata* Kiegl.
13. — *Nilssohniana* Beck sp.

14. *Helix nitidula* Müll. var. *laevis*
15. — ead. var. *costata*.
16. — *tenellabris* A. Braun
17. *Cionella lubrica* Müll. sp.
18. *Clausilia parvula* Stud.
19. — *subria* Drap.
20. — *gracilis* Rossm.
21. *Pupa dolium* Drap. var. *plagiostoma* Braun
22. — *secale* Drap. var. *siliago* Roth
23. — *muscorum* L. sn.
24. — ead. var. *biguttata* Rossm.
25. — *parcedentata* Braun.
26. — *pygmaea* Drap.

27. *Pupa columella* Benx.
28. — *doliolum* Brug. sp.
29. *Succinea patris* L. sn.
30. — *pygmaea* Rossm.
31. — *ovum* L.
32. — ead. var. *elongata* Braun
33. *Linnaea agrestis* L.
34. *Hyalina subterranea* Bourc. sn.
35. — *pygmaea* L.
36. *Limnaea truncatulus* Müll. sn.
37. — *fragilis* L. sp. var. *fusca*.
38. *Planorbis rotundatus* Poir.
39. — *reparius* Westerl.

Date Due

~~APR 30 1983~~