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W36

C. Van Brunt Esq.

Dear Sir:

Poughkeepsie Nov. 8th 91.

LIBRARY
NEW YORK
BOTANICAL
GARDEN.

The inclosed is a copy of all the figures on my plates which have been determined. I sent a copy of Pl. V to J. D. Cox last spring but haven't heard from it yet: perhaps I tired him out.

I think that I am familiar with all the forms on Pls. VI & VII. As soon as I can get the copy of Habirshaw off my hands I will have time to photograph the remaining forms - gomphonemas synedras &c. which will make about 2 plates more with some marine forms like phyllozona adriaticum which occasionally wander up as far as Poughkeepsie.

I am yours sincerely

D. B. Ward.

List of Hudson River diatoms.

Plate I.

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1. *Surirella robusta* Ehr.
2. " *nobilis*. W. Sm.
3. " *striatula*. Turpin.
4. " *inducta*. A. Schmidt.
- 5, 13, 14. " *linearis*. vars. W. Sm.
6. " *minuta*. Bnt.
7. " *ovata*. var. Kg.
8. " *bifrons*. Kg.
- 9, 17. " *biseriata* Bnt.
10. " *craticula*. Grz. (not a *surirella*)
11. " *splendida*. Kg.
12. " *Rattrayi*. A. S.
15. " *cardinalis*. Kilton. (*Guatamalensis*, *limosa*)
16. " *trunca*. Grz.

Plate II.

1. *Surirella elegans* Ehr.
2. " *Saxonica*. Quers.
3. " *splendida* Kg.
4. *Campylodiscus Hibernicus*. Ehr.
5. " *Echinoides*. Ehr.
6. *Surirella Kiltonii*. A. S.
7. " *robusta*. Ehr.
8. *Hantzschia* (niz) *amphioxys*. Grm.
9. *Nitzschia marina*. Grm.
10. " *pulra* (K). W. Sm.
11. " *Dryblivella*. Hantzsch.
12. " " "
13. " *punctata*. (Sm) Grm.

14. *Nitzschia marginalula* Grun.
 15. " *circumsuta* (Bail.) Grun.
 16. *Achnanthes subserilis* Kg.

Plate III.

- 1 + 2. *Cymbella gasteroides* Kg.
 3. 4. 6. 7. + 10 " *cistula* Ehr.
 5. *Cocconeis Mexicanum* Ehr.
 8. *Cymbella excisa* Kg.
 9. *Cocconeis cornutum* Ehr. (*C. asperum* Ehr.?)
 11. *Cymbella stomatophora*, Grun.
 12. " *curpidata*, K.
 13. " *Ehrenburgii* K.
 14. *Nitzschia sigmoides* (K.) W.Sm.
 15. " *sigma* var. *elongata* (K.) W.Sm.
 16. *Stauroneis phoenicenteron*. E
 17. 18. " *acuta*, W.Sm.
 19. " *gracilis* E.
 20. " *anceps*. E.
 21. *Encyonema prostratum* Ralfs.
 22. " *turgidum* (Gru.) Grun.
 23. " *triangulum*. Grun.

Plate IV.

- 1 + 3. *Navicula major*, Kg.
 2. " *nobilis*, Ehr.
 4. " *transversa*, A.S.
 * 5. " *acrospharica* var.
 6 + 7. " *Soriana*, A.S.
 8. 10 + 11. " *viridis* Kg.
 12. " *gibba*, Kg.
 13. " *lymnem*, Ehr.

Plate IV.

14. *Callas 43-12* (S. n. P.)
15. ?

17, 18, 19, & 20 *St. Brevissonii* fig.

21. ?

22. ?

23. *marina*, Galt.

24. ?

25. *neptu*, var. *stauroniformis* Lewis.

26. *inella* ?

27. *marina* var.

* No. 5 has been named by Chas. A. Trigonocapala

AUG 5 - 1909

CORNELIUS VAN BRUNT, 319 E. 57th St., N. Y.

717
CORNELIUS VAN BRUNT, 319 E. 57th St., N. Y.

18
CORNELIUS VAN BRUNT, 313 E. 57th St., N. Y.

HR.
Pl. VI.

N.
1891.

VI
CORNELIUS VAN BRUNT, 319 E. 5th St., N. Y.

VII

CORNELIUS VAN DRONT, SIS. CL. 1781. SIS. A. 18.

PHOTOMICROGRAPHS OF DIATOMS.

- Fig. 1. *Triceratium picturatum*, Greville, Barbadoes.
" 2. *Aulacodiscus Thumii*, A. Schmidt, Redondo, Cal.
" 3. *Triceratium nitescens*, Greville, Oamaru, N. Z.
" 4. *Aulacodiscus notatus*, Grove & Sturt, Oamaru, N. Z.
" 5. *Lepidodiscus elegans*, Witt, Sysran, Russia.
" 6. *Actinoptychus Adamans*, Brun, Barbadoes.
" 7. *Triceratium Febigerii*, Walker & Chase, Barbadoes.
" 8. *Triceratium Wittianum*, Truan, Jeremie, Hayti.

D. B. WARD, M. D., POUGHKEEPSIE, N. Y.

1802
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Berlados

Leptæna subquadrata, Whit.

QK569.D54 W36 gen

Ward, David Boyd/List of Hudson River di

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