

Lists and letters
on A. Schott's Algae
returned to Prof. Millspaugh
Nov. 29. 1898.

40113. *Caulerpa Ashmeadii* Harn.
 40114. *Codium tomentosum* ^(Hudson) Stackh.
 40117. *Eucheuma isiforme* (C. Ag.) J. Ag.
 40118 & 40119. marked *Laurencia gemmifera*
 These are both smooth forms of *Eucheuma isiforme* sometimes called *Eucheuma nudum*.

40120. *Eucheuma isiforme*.
 * 40122. " " f. *elongata*.
 # 40123. *Laurencia obtusa* (Aud.) Lamour. a large form.
 # 40125. 40126. *Hypnea musciformis* ^(Wulfen) Lamour.
 40156, 40157, 40158, *Caulerpa cupressoides* (Fahl) C. Ag.
 * 40159. *Bryothamnion triangulare* (Gm.) Kütz.
 40160. *Eucheuma isiforme* (C. Ag.) J. Ag. fruct!
 40161. " " "
 40205. *Ulva Lactuca* (L.) Le Jolis.
 40207. *Caulerpa prolifera* (Forsk.) Lamour.
 40208, 40209, 40210. *Caulerpa paspaloides* (Bory) Harn.
 var. *Murdemanni* Weber van Bosse
 com A. C. *Phyllophloston* Murray in *Trans. Linn. Soc.*
 2nd Ser. III, 2/2, Pl. 53, f. 36. in which
 the pinnales are uniseriate. These are
 biserial.
 X 40121. *Gracilaria confervoides*
 XX 40124. *Gracilaria compta* J. Ag.

40211, 40212, 40213, 40223. all on one sheet but not all the same species ¹⁹

40211 & 40223 are Ceramium see 40215.

40212 is a Chondria (Chondropsis J. Ag.), perhaps *C. tenuissima* J. Ag. but the specimen is too fragmentary to be determined with certainty. *Chondria tenuissima* (Good. & Wood.)

X 40213. *Spyridia aculeata*. J. Ag. C. Ag.

40214. Mixed. *Hypnea musciformis*.

Laurencia obtusa & *Ceramium* see 40215.

40215. *Ceramium* same as 40211, 40216, 40223

& 40224, 40222, 40221, 40218, 40220, 40225.

These which are marked *Ceramium subtile* J. Ag. may be kept under that name but they come too near *Ceramium fastigiatum* Harv.

40216. *Ceramium* and *Centroceca clavulatum*

40219 Bad specimen. ~~40216~~

40220. *Ceramium*, see 40215

(C. Ag.) Mont.

40224

40225. see 40215

40226. Marked *Dictyota dichotoma*. It is not characteristic of that species but the margin is spiny and seems to me to be *Dictyota ciliata* J. Ag.

40227. *Laurencia obtusa* (Huds.) Lamour.

40228. *Laurencia obtusa*.

40229. *Laurencia obtusa*.

40230 " "

40231 " "

X 40232. *Laurencia obtusa* a slender form approaching *L. implicata* J. Ag.

40233. Imperfect fragments of some *Gracilaria*. III
19

40245, 40246. marked *Dictyota fasciola*?
This is not typical *D. fasciola* but
rather *Dictyota cervicornis* Kg.

40247. *Padina Darvillaei* Borg

40248. *Padina Pavonia* (L.) Gaillon

40249. *Padina Pavonia* (apparently) L. Gaillon

40250. *Largassum filitendula* (Cly.) Jilg

40251. *Caulerpa pinnata* (L.) Weber var. *Bosse*
var. *Mexicana* Weber var. *Bosse*
= *C. Mexicana* Lond.

252. Marked *Caulerpa simplex* mihi.
Who is the "mihi" Harvey or Schott? The
species was apparently never described
under that name. ^{an interesting form which} ~~seems to me to be a marked form~~
~~of *Caulerpa cymosa* Schott.~~

40253. Marked *Cladophora flexuosa*. I should
think that this was the *Cladophora*
laetevirens ^{Harvey} mentioned by Harvey in
his list of Schott's plants.

40254, & 40255. The latter appears to be
Bryopsis plumosa (Huds.) Cly. 40254 is not
in condition to be named.

40256 = 40253. *Cladophora laetevirens* Harv.

40257. *Bryopsis hypnoidea* Lamour.

40258. Marked *Batrachospermum*. This
is not an alga but eggs of
some animal.

This specimen is
a marked envelope
form of some species
probably *C. cymosa*

- 40 260. *Digema simplex* (Mulf.) C. Ag. ^{IV}
 & *Jania rubens* (L.) Lamour ¹⁹
- + 40 295. *Bryothamnion Seaforthii* (Turn.) Kütz.
 40 296. *Chondria atrorubens* Harv. (Turn.)
- + 40 297. *Pyridia aculeata* J. Ag.
- * 40 298. *Bryothamnion triangulare* (Emm.) Kütz. slender
 form and approaching *B. Seaforthii*.
 (Turn.) Kütz.
- 40 299. ditto.
- 40 300. ditto.
- * 40 301. *Bryothamnion Seaforthii* (Turn.) Kütz.
- 40 302 & 40 303 " "
- * 40 304. *Acanthophora Thierii* Lamour !
- 40 305. Mixed. *Jania rubens* (L.) Lamour & *Jania*
Cubensis Mont.
- 40 306. *Jania rubens* (L.) Lamour.
- 40 319. *Eucheuma isiforme* (C. Ag.) J. Ag.
- 40 320. " "
- 40 322. " "
- 40 323. " "
- 40 324. " "
- * 40 325. *Gracilaria multipartita* (Clem.) J. Ag.
- 40 326 } *Gracilaria compressa* (C. Ag.) Lamour
 40 327 }
- * 40 328. Marked *Gracilaria compressa*. It
 does not seem to me to be that species
 but to be *Gracilaria cervicornis*
 (Turn.) J. Ag.

40329, a *Gracilaria* but the species
men too poor to be named. 19

40330, 40331, 40333. *Gracilaria compressa*
(C. Ag.) Lam.

40335, 40336. Probably both *Hypnea*
musciformis but the specimens
are imperfect. (Wulf.) Lam.

40337. *Gracilaria compressa* (C. Ag.)

X 40339, 40440, *Gracilaria cernicornis* (Wulf.) Ag.

X 40342. *Eucheuma acanthocladum* (Harv.) Ag.

40343. Mixed. *Hypnea musciformis*,
Ceramium & *Halimeda Tuna* Lam.

40344. *Gracilaria tenuissimum* Lyngb.
covered with incrustation

40575, *Penicillus capitatus* Lamour.

40576 & 40577. *Halimeda Tuna* Lam.

40578. Not *Halimeda* or *punctata* but
H. Tuna. Lam.

40579 *Phyridia filamentosa* (Wulf.) Harv.

40580. As marked on specimen this
seems to be a form of *Dasya*
ramosissima Harv. (Mert.) (C. Ag.)

X 40582. *Cladophora fascicularis* Kütz. (Mert.) (C. Ag.)

X 40583. *Lipponodadus membranaceus* (Kütz.) Romm.

X 40584. *Habiseris delicatula* (Lamour.) Ag.

X 40681. *Ascothamnion intricatum* Kütz.

X 40687. *Bryothamnion triangulare* (Gmelin) Kütz.

40688. *Lolienia chordalis* (C. Ag.) J. Ag. 19 VI
40689. *Laurencia obtusa* (Huds.) Lamx var
40690. *Euteromorphia*, Not in good condition
and species cannot be named
40891. *Holimedia Tana* Lamx
40892. *Acanthophora antillarum* Mont
in Kütz. Jah. Phys.
40893. Marked *Cryptomenia luxurans*?
Not a *Cryptomenia* but like 40853 must
be referred to *Rhodymenia* near
R. Palmetta (Esper) Gr. rev.
40894. *Ceramium nitens* C. Ag.
40895. *Gelidium corneum* var. *caespitosum*
J. Ag. = *G. pusillum* (Staeh.) Le Jolis
40896. *Rhytiphloeospora*? near *R. episcopalis*
(Mont.) Ed. Ell.
- 40897, 40898. *Laurencia paniculata* (C. Ag.) Kütz.
It is often ^{very} difficult to distinguish
L. paniculata from *L. tuberculosa* J. Ag.
I should be inclined to call these
specimens *L. tuberculosa*
40899. *Laurencia papillosa* (Forsk.) Gr. rev.
40900. *Vidua obtusiloba* (C. Ag.) J. Ag.
- 40901, 40902. It is not clear whether this
was originally terete or flat. I think the
former and I should call 40902, *G. cornea*
J. Ag. and call 40901. *G. cornea*?
- 40903(I) *Rhytiphloeospora* = 40896. II is a *Polysiphonia*
nitta J. Ag. nitta 202

40904. *Gracilaria candelata* J. Ag. slender form VII
 40905. *Gracilaria cornea* J. Ag.
 40906. Marked *Gracilaria divaricata*; There is
 a small fragment of an imperfect *Gracilaria*
 but the main specimen is *Cryptonemia*
luxurians (Mert.) J. Ag.
 40907. *Gracilaria cornea* J. Ag.
 40908. *Laurencia paucicellata* (C. Ag.) Kütz.
 40909. *Gracilaria candelata* J. Ag.
 40910. *Gracilaria ceruicornis* (Arn.) J. Ag.
 40911, 40912 Marked *Gracilaria domingensis*
 Lond. These correspond to the figure of
 that species in Kütz. Jah. Phyk. I am in-
 clined to believe, however, that they are not
 specifically distinct from *G. ceruicornis*.
 40913 I is the same as 40921
 40913 II the same as 40915 and 40922. They are
 40913 (I) & (II) the same species! I is fertile,
 the others are not. *Grac. rangiferina* is
 now put in *G. dentata* J. Ag. but if your
 specimens are *G. dentata*, they are an
 unusual form. I should be inclined to
 call 40913 (II) / 40915 & 40922 *Gracilaria*
multipartita (Clem.) J. Ag. var. *polycarpa*
 (Crem.) J. Ag. 40913 (I) & 40921 I should
 call *Gracilaria candelata* J. Ag.
 40914. *Gracilaria cornea* J. Ag.
 40915, see 40913 (II)
 40916. *Gracilaria cornea* J. Ag.
 40917, 40918. *Gracilaria multipartita* (Clem.)
 J. Ag.
 40919. 40920. *Gracilaria candelata* J. Ag.
 40921, see 40913 (I)
 40922, see 40913 (II)

40923, 40924, *Gracilaria cornea* J. Ag.

VIII*

40925. *Gama cubensis* Mont. & *Cryptomenia*
crenulata J. Ag.

19

40926. *Lpyridia filamentosa* (Wulf.) Harv.

40927. Sterile but frond seem to be that
of *Rhabdonia tenera* J. Ag. = *Agardhiella*
tenera Lemmiz.

40928. *Halymenia Florencia* (Clem.) C. Ag.

40929. Small bit of *Laurencia*. In the envelope
is *Hypnea musciformis* (Huds.) Lam. f

40930. *Hypnea cornuta* J. Ag.?

40931. *Hypnea cornuta* J. Ag.!

40932. *Hypnea spinella* J. Ag.?

40933. ~~I should call this *Gracilaria* *feroculosa*~~
~~rather than *G. cornuta* (Turn) J. Ag. or *G. feroculosa*~~

40934. *Gyrodia confusoides* (L.) Grev. 40935. *Gyrodia caudata* J. Ag. VIII
X 40936. *Solieria chordalis* (C. Ag.) J. Ag.

40937. *Hypnea pannosa* J. Ag.

19

40938. Too poor to name. a mixture of
Hypnea and *Gracilaria*

40939. *Gracilaria compressa* (C. Ag.) Grev.

40940. Marked *Alsidium Schottii* n. sp.

This must be an error, the specimen
is not an *Alsidium* but a *Gracilaria*,

+ *G. cernicornis* (Turn.) J. Ag.

+ 40941. A ~~no~~ *Nitophyllum* too fragmentary
to name. Perhaps *N. lacciatum* (Gmel.)

40942. ~~Hypnea~~ *Hypnea*. a mere fragment Grev.

40943. ditto.

40944. *Bryothamnion Seaforthii* (Turn.) Kütz.

40945. *Bryothamnion triangulare* (Gmelin)

40946. " " Kütz.

40947. *Gracilaria*. Perhaps young *G. compressa*

X 40948. *Cryptomenia crenulata* J. Ag.

40949. *Gracilaria multipartita* incrustated
with animals

40950. Probably *Chondria atropurpurea* Harv.

40951. *Hypnea musciformis* (Wulf.) Lamour.

40952. *Lomentaria ovalis* (Huds.) Endl.

40953. ~~*Gracilaria dichotoma*~~ - flabellata
Marked *Rhodomenia*, Larve and uncertain
Resembles *Rhodomenia Coralina*
(Bory) but that should not be West Indian
The species must remain doubtful until further seen

- Brya 41503. *Jania Cubensis* ^{Mont} on
Bryothamnion Seaforthii 19
41504. *Bryothamnion triangulare* (Turn.) Kütz.
41505. *Gracilaria cervicornis* (Turn.) J. Ag. (Mel.) Kütz.
41506. *Gracilaria multifortis* (Clem.) J. Ag.
41507. " "
41508. This is too small for me to tell
 whether it is *Gracilaria cervicornis*
 or *G. danacornis*, *Gracilaria dentata* J. Ag.
41509. *Laurencia paniculata* (C. Ag.) Kütz.
41510. *Murdemannia setacea* Harv.
41511. *Laurencia cervicornis*. Harv.
41512. *Kalimnema Opuntia* (L.) Lam. &
41513. ^{Bryochloa} ~~*Galaxaura*~~ *marginala* (Lam.) ^{Soland} ~~Lam.~~ ^{Chun}
41514. *Galaxaura rugosa* (Soland) Lam.
42600. 42601. *Sargassum simplex* (Muhl.) C. Ag.
42602. ^{*Apudipella testacea*} ~~*Rhabdonia*~~ on which is growing
Polysiphonia collabens (C. Ag.) Kütz.
42603. *Ceramium tenuissimum* Lyngb.
42604. *Centroceras clavulatum* (C. Ag.) Mont.
42605. *Ceramium tenuissimum*. Lyngb.
42606. *Polysiphonia* ^{*hirta* J. Ag.} ~~*tenuarticulata*~~ ^{sub} ~~sub~~
42607. " *ferulaceo* Lam.
42608. Not *Dasya ramosissima* but
Dasya elegans (Mont.) C. Ag.
42609. *Gracilaria confervoides* (L.) Grac.
42610. ^{*Agardhiella*}
42611. ~~*Rhabdonia*~~ *tenera* (J. Ag.) Chun

42612. *Gracilaria confervoides* (L.) Grev. X
42613. Sterile but found the structure of ¹⁹
Agardhiella and it is probably a very robust
form of *A. tenera* (J. Ag.) Schmitt

42614, 42615. *Gracilaria confervoides* X
42616. *Gracilaria compressa* (C. Ag.) Grev.
42617. As the note on label says, this might
be either *G. compressa* or *G. confervoides*.
It is not characteristic.

42618, 42619, 42620. *Ceramium tenuissimum*

42621. *Spyridia* covered with parasites Lyngh

42622. a fragment only, probably *Laurencia*
paniculata

42623. Poor specimen of *Rhabdonia* ^{*Agardhiella tenera* J. Ag.} Schmitt

42624. *Hypnea musciformis* (Wulf.) Lam. f

42625. Not a *Chlorospermum* but a *Rhodospirum*.
Fragment of a ~~*Rhabdonia*~~ ^{poor specimen} ~~name~~

44988. *Spyridia filamentosa* (Wulf.) Harv.

44989. *Neuroglossum Andersonianum* J. Ag.

44990. *Gigartina leptorhynchos* J. Ag.
= *Gig. microphylla* var. *harrida* Harv.

44991. *Gracilaria multipartita* (Clem.) J. Ag.

44992. ~~*Gracilaria multipartita*~~ ^{poor specimen & name} Harv.

44993. *Polysiphonia urceolata* (Lichtf.) Grev
poor specimen

44994. *Centroceras clavulatum* (C. Ag.) Mont,
and fragment of a *Callophyllis*

44995. *Polysiphonia Baileyi* (Harv.) J. Ag.

44996. *Stenogramma interrupta* (C. Ag.) Mont,

44997. *Hypnea divaricata* (Turn.) Grun. XI
44998. *Gigartina spinosa* Kütz. In the envelope is *Gigartina microphylla* Harlow
- 44999 (1) *Microcladia Coulteri* Harw. 19
(2) *Microcladia Californica* Harlow
- 45000 *Gigartina spinosa* ^{Kütz.} In the envelope is *Microcladia Coulteri* Harw.
- 45001, 45002. Fragments of *Hypnea* too imperfect to name
45003. *Nitophyllum violaceum* J. Ag. on *Lomentaria ovalis* (Huds.) Endl. var. *Coulteri* Harw.
45004. *Callophyllis variegata* (Bory) J. Ag.
45005. Fragment of *Callophyllis*
45006. This is an inextricable mixture in which I see bits of *Nitophyllum Ruprechtianum* and *Nitophyllum violaceum*.
45007. In the envelope is *Neuroglossum Andersonianum* J. Ag. On the sheet is *Nitophyllum violaceum* J. Ag.
45008. *Callophyllis variegata* (Bory) ^{Kütz.} J. Ag.
45009. *Rhodomenia Corallina* (Bory) J. Ag.
45010. *Callophyllis furcata* Harlow
45011. *Nitophyllum Ruprechtianum* J. Ag.
45012. *Nitophyllum*, a fragment only.

45013. *Nitophyllum* *Darvillae* ^{in *enallaceae* *Stenonema* *identical*} ~~Boyle~~ ^{Green} ~~sterile~~
45014. *Callophyllis rhyzocarpa* ~~Rupr.~~ ^{Rupr.}
- 45015, 45016. Imperfect specimens of *Callophyllis*
45017. This is what is called *Callophyllis laciniata* (Huds.) Kütz. of the Californian coast. It is doubtful whether it is really the same as the European species of that name and it may, after all, only a variety of *C. variegata*
45018. *Nitophyllum viduatum* J. Ag.
45019. *Chondria nidifica* Harv.!
45020. *Corallina Chilensis* Decaisne in Harv. ^{Menckner}
45021. This is not a *Grateloupia* certainly. It may perhaps be a *Gymnogongrus* but the specimen is sterile and imperfect.
45022. Not *Grateloupia gibbesii* but *Gigartina volans* C. Ag.
45023. An *Amphiroa* much broken up. Probably *Amphiroa orbigniana* Decaisne
45024. Not a *Ptiloto* but *Polyzoplonia Baileyi* (Harv.) J. Ag.
45025. Is there not a mistake in the locality? This certainly is not *Dasya plumosa*. It may be *Dasya pacifica*. I have collected it previously as *Dasya Helvae* ^{Taylor}
45026. Fragment of *Nitophyllum* ^{in Harv.} *Ruprechtianum* J. Ag.



Schott, Arthur and Millspaugh, Charles Frederick. 1898. "Lists and letters on A. Schott's Algae returned to Prof. Millspaugh Nov. 19, 1898." *William Gilson Farlow miscellaneous specimen lists : collectors S*

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