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Dedication.

TYSON. W. : SOUTH AFRICAN MARINE ALGÆ,
Fasc. 1 (50 Species), 1909.

The first fascicle is respectfully dedicated to

Herr MAJOR REINBOLD,

through whose invaluable advice and encourage-
ment it is issued.

WILLIAM TYSON,
CAPE TOWN.

July, 1909.

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W. TYSON, South African Marine Algae. Fascicle I (50 species), 1909.

LIST OF SPECIES.

(The nomenclature of De Toni's Sylloge Algarum is generally adopted, from Vols. I, Sect. I, 1889; III, 1895; IV Sect. I, 1897; IV, Sect. II, 1900; IV, Sect. III, 1903; IV, Sect. IV, 1905.)

1. *Anisocladus congestus* Reinke
2. *Botryocarpa prolifera* Grev.
3. *Botryoglossum platycarpum* (Turn) Ktz.
4. *Carpoblepharis flaccida* (Turn) Ktz.
5. *Caulerpa ligulata* Harv.
6. *Callymenia Harveyana* J. Ag.
7. *Ceramium clavulatum* Ag.
8. *Chaetangium ornatum* (L.) Ktz.
9. *Chaetomorpha clavata* (Ag.) Ktz.
10. *Champia lumbricalis* (Roth) Lamour.
11. *Chondrococcus Hornemanni* (Mert) Schmitz.
12. *Chordaria capensis* Ktz.
13. *Cladophora hospita* (Mert) Ktz.
14. *Cyrtymenia cornea* (Ktz) Schm tz.
15. *Cyrtymenia hieroglyphica* (J. Ag.) Schmitz.
16. *Delisea Suhrii* J. Ag.
17. *Desmarestia ligulata* (Léightf) Lamour.
18. *Ecklonia buccinalis* (L) Hornem.
19. *Epymenia obtusa* (Grev.) Ktz.
20. *Euptilota Pappaea* (J. Ag.) Ktz.
21. *Fucus constrictus* Harv.
22. *Gelidium pristoides* (Turn) Ktz.

23. *Gigartina Burmanni* (Mert) J. Ag.
24. *Gigartina Radula* (Esp) J. Ag.
25. *Grateloupia filicina* (Wulf) Ag.
26. *Gymnogongrus dilatatus* (Turn) J. Ag.
27. *Gymnogongrus vermicularis* (Turn) J. Ag.
28. *Heterosiphonia dubia* (Suh) Falkbg.
29. *Homoeostrichus multifidus* (Harv) J. Ag.
30. *Iridaea capensis* J. Ag.
31. *Iridaea capensis* J. Ag. ; *Var. elongata* Suh.
32. *Laminaria pallida* Grev.
33. *Gelidium cartilagineum* (L), Gaill
34. *Macrocystis pirifera* (Turn) Ag.
35. *Neuroglossum Binderianum* Ktz.
36. *Nitophyllum fissum* (Grev) J. Ag.
37. *Nitophyllum venosum* Harv.
38. *Pachymenia carnososa* J. Ag.
39. *Pleonosporium Tysoni* Barton.
40. *Plocamium cornutum* (Turn) Harv.
41. *Plocamium corallorhiza* (Turn) Harv.
42. *Polysiphonia virgata* (Ag.) Spreng.
43. *Pterosiphonia cloiophylla* (Ag.) Falkbg.
44. *Rhodophyllis capensis* Ktz.
45. *Schizymenia undulata* J. Ag.
46. *Splachnidium rugosum* Grev.
47. *Subria vittata* (L.) J. Ag.
48. *Trematocarpus flabellatus* (J. Ag.) Schmitz.
49. *Trematocarpus fragilis* (J. Ag.) Schmitz.
50. *Zonaria interrupta* (Lamour) J. Ag.

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Dedication.

TYSON, W.: SOUTH AFRICAN MARINE ALGÆ,
Fasc. II. (50 Species), 1909.

The second fascicle is cordially inscribed to

Dr. HERMANN BECKER,

whose generous assistance has materially expedited
the publication.

WILLIAM TYSON,
CAPE TOWN.

October, 1909.

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W. TYSON, South African Marine Algae. Fascicle II (50 species), 1909.

LIST OF SPECIES.

(The nomenclature of De Toni's Sylloge Algarum is generally adopted, from Vols. I, Sect. I, 1889; III, 1895; IV, Sect. I, 1897; IV, Sect. II, 1900; IV, Sect. III, 1903; IV, Sect. IV, 1905).

51. *Cladophora catenifera* Ktz.
52. *Cladophora Eckloni* (Suhr) Ktz.
53. *Cladophora flagelliformis* (Suhr) Ktz.
54. *Apjohnia rugulosa* G. Murr.
55. *Codium Lindenbergii* Biader
56. *Halimeda cuneata* Hering.
57. *Carpophyllum scalare* Suhr.
58. *Pycnophycus brassicaeformis* Ktz.
59. *Stypopodium lobatum* Ktz.
60. *Stoechospermum Suhrii* Ktz.
61. *Dictyota naevosa* (Suhr) J. Ag.
62. *Ecklonia radiata* (Turn) J. Ag.
63. *Chaetangium saccatum* (Lamour) J. Ag.
64. *Wrangelia ? purpurifera* (Harv) J. Ag.
56. *Gigartina fastigiata* J. Ag
66. *Gigartina stiriata* (Turn) J. Ag.
67. *Callymenia dentata* J. Ag.
68. *Tyleiophora Beckeri* J. Ag.
69. *Calliblepharis fimbriata* (Ag) Ktz.
70. *Hypnea fruticulosa* Ktz.
71. *Hypnea Eckloni* Suhr.
72. *Hypnea spicifera* (Suhr) Harv.

73. *Phacelocarpus epipolaeus* Holmes.
74. *Plocanium condensatum* Ktz.
75. *Sarcomenia miniata* (Ag) J. Ag.
76. *Chondria capensis* (Harv) J. Ag.
77. *Polysiphonia tenebrosa* Harv.
78. *Polyzonia elegans* Suhr.
79. *Placophora Binderi* J. Ag.
80. *Herposiphonia Heringii* (Harv) Falkbg.
81. *Herposiphonia prorepens* (Harv) Schmitz.
82. *Bostrychia mixta* Hk. & Harv.
83. *Pleonosporium ? purpuriferum* (J. Ag) De Toni.
84. *Callithamnion stuposum* Suhr.
85. *Ceramium cancellatum* Ag.
86. *Polyopes constrictus* (Turn) J. Ag.
87. *Nemastoma lanceolata* (Harv) J. Ag.
88. *Chondrococcus Hornemanni* (Mert) Schmitz.
89. *Anthophycus longifolius* Ktz.
90. *Pleonosporium Harveyanum* (J Ag) De Toni.
91. *Corallopsis aculeata* (Her) Holmes.
92. *Cryptonemia ? capensis* Schmitz.
93. *Gigartina insignis* Schmitz.
94. *Dasyphila cryptocarpa* (Holm) Schmitz.
95. *Galaxaura Beckeri* Schmitz.
96. *Enteromorpha rhacodes* Holmes.
97. *Callymenia schizophylla* (Harv) J. Ag.
98. *Nitophyllum uncinatum* (Turn) J. Ag.
99. *Spyridia cupressina* (Harv.) Ktz.
100. *Ulva uncialis* Suhr.

Prospectus.

TYSON, W.: SOUTH AFRICAN MARINE ALGÆ,
Fascicles 1 and 2 (50 species each), 1910. M.60. each (£3).

It is intended to issue at intervals a fascicle of 50 species. Maximum size of mounts $16\frac{1}{2}$ in. x $10\frac{1}{4}$ in. (Kew Herbarium sheet).

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This is the first attempt at a systematic, general distribution of South African Seaweeds.

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W. TYSON, South African Marine Algæ.

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FASCICLE I.

1. Anisocladus congestus.
2. Botryocarpa prolifera.
3. Botryoglossum platycarpum.
4. Carpoblepharis flaccida.
5. Caulerpa ligulata.
6. Callymenia Harveyana.
7. Ceramium clavulatum.
8. Chaetangium ornatum.
9. Chaetomorpha clavata.
10. Champia lumbricalis.
11. Chondrococcus Hornemannii.
12. Chordaria capensis.
13. Cladophora hospita.
14. Cyrtymenia cornea.
15. Cyrtymenia hieroglyphica.
16. Delisea Suhrii.
17. Desmarestia ligulata.
18. Ecklonia buccinalis.
19. Epymenia obtusa.
20. Euphilota Pappeana.
21. Fucus constrictus.
22. Gelidium pristoides.
23. Gigartina Burmanni.
24. Gigartina Radula.
25. Grateloupia filicina.
26. Gymnogongrus dilatatus.
27. Gymnogongrus vermicularis.
28. Heterosiphonia dubia.
29. Homoeotrichus multifidus.
30. Iridaea capensis.
31. Iridaea capensis (Var. elongata).
32. Laminaria pallida.
33. Gelidium cartilagineum.
34. Macrocystis pirifera.
35. Neuroglossum Binderianum.
36. Nitophyllum fissum.
37. Nitophyllum venosum.
38. Pachymenia carnosa.
39. Pleonosporium Tysoni.
40. Plocanium cornutum.
41. Plocanium corallorhiza.
42. Polysiphonia virgata.
43. Pterosiphonia cloiophylla.
44. Rhodophyllis capensis.
45. Schizymenia undulata.
46. Splanchnidium rugosum.

47. Suhria vittata.
48. Trematocarpus flabellatus.
49. Trematocarpus fragilis.
50. Zonaria interrupta.

FASCICLE II.

51. Cladophora catenifera.
52. Cladophora Eckloni.
53. Cladophora flagelliformis.
54. Apjohnia rugulosa.
55. Codium Lindenberghii.
56. Halimeda cuneata.
57. Carpophyllum scalare.
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70. Hypnea fruticulosa.
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72. Hypnea spicifera.
73. Phacelocarpus epipolaeus.
74. Plocanium condensatum.
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78. Polyzonia elegans.
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89. Anthophycus longifolius.
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