

## Unrecorded Marine Algae From Korea. III.

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### 韓國產 未記錄 海藻 III.

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세종의 海藻, *Herposiphonia fissidentoides* (Holms) Okamura, *Halopteris filicina* Kützing, *Herpochondria pygmae* Itono 는 未記錄 海藻로서 韓國海藻目錄에 새로이 追加된다.

Three species of marine algae, *Halopteris filicina* Kützing, *Herpochondria pygmae* Itono, *Herposiphonia fissidentoides* (Holms) Okamura, are newly recorded on Korean algal flora. All examined specimens deposited in lab. marine botany of Cheju National University, Cheju, Korea.

1. *Halopteris filicina* Kützing (갈숨 nom. nov.)  
Fritsch 1945: 287, fig. 102; Kützing 1845: 25, Tab. 85, 1849: 462;  
Okamura 1936: 154, fig. 79; Sauvageau 1912: 294-332, fig. 55-63.

Tuft freely branched, up to 10 cm; branches arranged in two alternating rows, becoming outgrowths producing pseudoparenchymatous cortex, formed rather large apical cells, 15-30  $\mu$ m at the basal part; most auxiliary cell develops into a bract.  
Habitat: Growing on rocks in the sublittoral zone.

2. *Herpochondria pygmae* Itono (작은 구두리 nom. nov.)  
Itono 1977: 92, fig. 35.

Thalli small, epiphytic, slight dorsiventrally expanded, creeping along the host plants by colorless rhizoids; pinnate in branching, cartilagenous, central axes with 6 pericentral cells; cortical layers consisting of small angular cells; cruciate tetrasporangia  $\pm$  55  $\mu$ m, produced in ultimate blades in two longitudinal rows; carposporangia and spermatangia not seen.

Habitat: Growing on other algae, i. e. *Carpopeltis angusta*, in sublittoral zone.

3. *Herposiphonia fissidentoides* (Holmes) Okamura (제주 거미줄 nom. nov.)  
Okamura 1936: 872, fig. 406.

Thalli creeping on calcareous algae, dark red to bright red, distichously branched with 4 alternate determinate branches, bare nodes; determinate branches  $\pm 1.2$  mm long, acute apices slightly bent to center, 12-13 segments; pericentral cells mostly 9-10; trichoblasts lacking; tetrasporangia tetrahedrally divided,  $\pm 60 \mu\text{m}$  diam; cystocarps urceolate, slight flared rostrum,  $\pm 130 \mu\text{m}$  diam.

Habitat: Growing on calcareous algae, i. e. *Amphiloa dilatata*, in sublittoral zone.

### References

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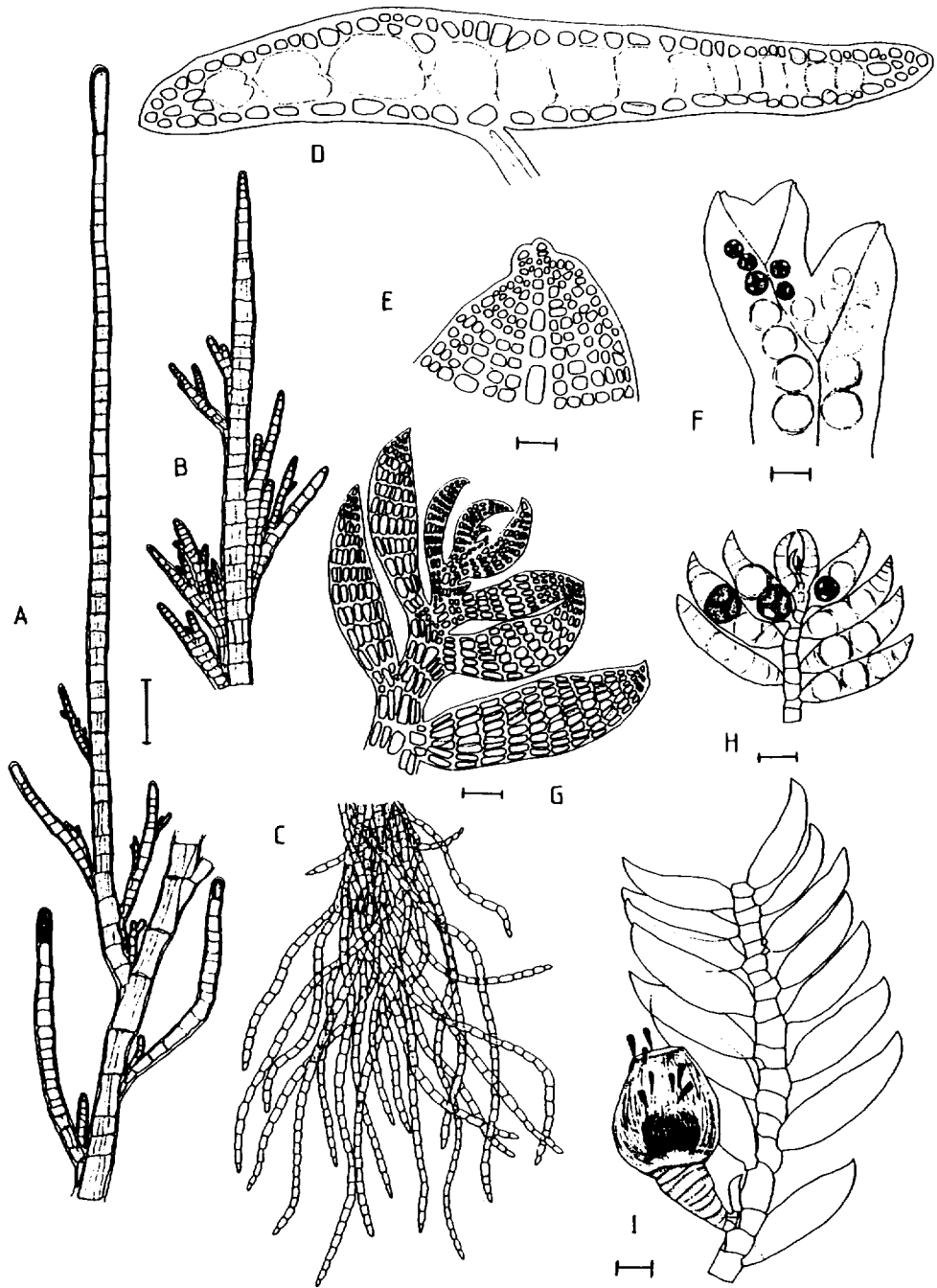


Fig. 1. A-C *Halopteris filicina* Kutzing. A a part of branch showing large apical cell. B a middle part of branch. C rhizoids. D-F *Herpochondria pygmae* Itono. D cross-section of frond showing angular cortical cells. E apical portion of frond. F tetrasporangia bearing branch. G-I *Herposiphonia fissidentoides*. G branching shape, slightly bent to center. H tetrasporangia. I Urceolate cystocarp. (Rules. A-C 20 $\mu$ m. D, E, G. 10 $\mu$ m. F, H, I. 50 $\mu$ m.)