

# 울릉도 해산 중복족류(Mesogastropods)의 분류 및 기재

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= Abstract =

## Classification and Description of Mesogastropods from Ullŭng Island Waters

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The present study on the classification and description of the marine mesogastropods based on the materials which were collected during the period from 12th to 17th of July in 1989 at nine localities of the Ullŭng Island.

Seven unrecored species in 6 families of mesogastropodes are new to the fauna of Ullŭng Island. As a result of this study, 7 families and 8 species of marine mesogastropods are reported from the Ullŭng Island.

Two species of them, *Costalynia costulata* (Dunker, 1860), *Barleeia angustata* (Pilsbry, 1901), are found to be new to the fauna of Korea.

### 서 론

울릉도 해산 중복족류에 관하여는 Kim 및 Choe (1981)가 울릉도의 해양 무척추동물상을 밝히면서 1종 [*Granulilittorina exigua* (Dunker, 1860)]을 보고한 것이 전부이다. 저자들은 1989년 7월 12일부터 17일까지 울릉도의 9개 지점(Fig. 1)에서 채집한 표본들을 분류 동정하고 미기록 종에 대한 기재를 하여 울릉도의 해산 중복족류를 정리하였다.

### 결 과

#### 1. 울릉도 해산 중복족류의 분류목록(\*: 울릉도 미기록 종; \*\*: 한국 미기록 종)

Order Mesogastropoda 중복족 목  
Superfamily Littorinacea 총알고둥 상과  
Family Littorinidae 총알고둥 과  
Genus *Granulilittorina* Habe & Kosuge, 1966

- 1) *Granulilittorina exigua* (Dunker, 1860)  
쭈뼌무늬총알고둥  
Superfamily Rissoinaea  
루소고둥 상과(신칭)

Family Rissoinidae 루소고둥 과(신칭)  
Genus *Costalynia* Laseron, 1956

- \*\*2) *Costalynia costulata* (Dunker, 1860)

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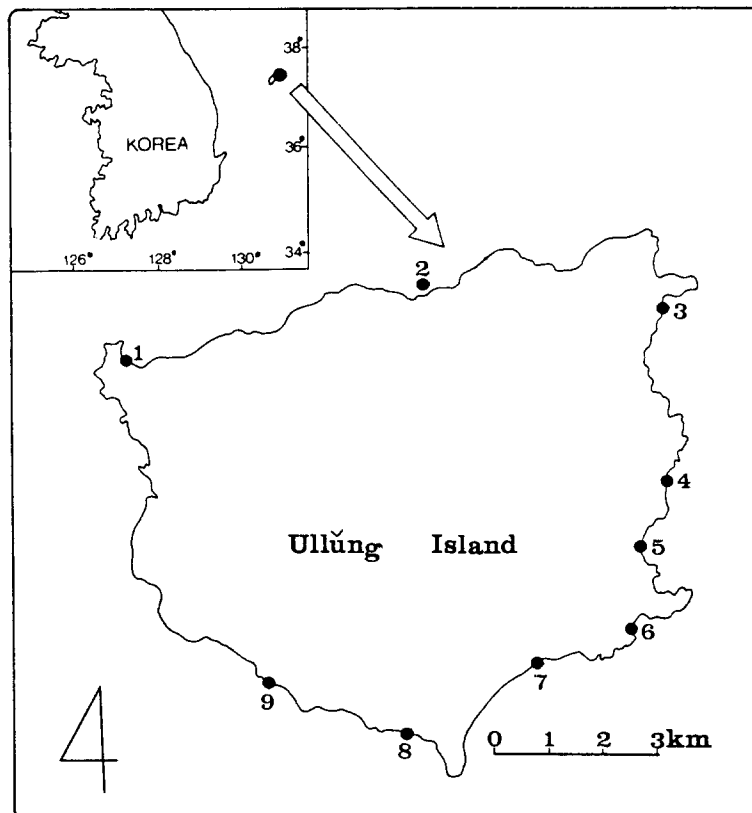


Fig. 1. Map of Ullung Island, showing collection localities in the survey.

1. Taep'ungch'wi (대풍취); 2. Hyölam (혈암); 3. Sömmok (섬복); 4. Naesujön (내수전); 5. Chödong (저동); 6. Todong (도동); 7. Sadong (사동); 8. T'onggumi (통구미); 9. Kulam (굴암).

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| <p>흰눈고둥(신칭)<br/>Genus <i>Barleeia</i> Clark, 1855</p> <p>**3) <i>Barleeia angustata</i> (Pilsbry, 1901)<br/>가늘줄깨고둥(신칭)<br/>Superfamily Vermetiacea 백고둥 상과<br/>Family Vermetidae 뱀고둥 과<br/>Genus <i>Serpulorbis</i> Sasso, 1827</p> <p>*4) <i>Serpulorbis imbricatus</i> (Dunker, 1860)<br/>큰뱀고둥<br/>Superfamily Hipponicacea 기생고둥 상과<br/>Family Hipponicidae 기생고둥 과<br/>Genus <i>Amalthea</i> Schumacher, 1817</p> <p>*5) <i>Amalthea conica</i> Schumacher, 1817<br/>기생고깔고둥</p> | <p>Superfamily Cypraeacea 개오지 상과<br/>Family Ovulidae 개오지붙이 과(신칭)<br/>Genus <i>Primovula</i> Thiele, 1925</p> <p>*6) <i>Primovula rhodia</i> (A. Adams, 1855)<br/>주홍토끼고둥(신칭)<br/>Family Cypraeidae 개오지 과<br/>Genus <i>Purpuradusta</i> Schilder, 1939</p> <p>*7) <i>Purpuradusta gracilis japonica</i> (Schilder, 1931) 짐박이개오지<br/>Superfamily Tonnacea 대고둥 상과<br/>Family Cymatiidae 수염고둥 과<br/>Genus <i>Fusitriton</i> Cossmann, 1903</p> <p>*8) <i>Fusitriton oregonensis</i> (Redfield, 1846)<br/>콩까지고둥</p> |
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2. 종의 기재

Order Mesogastropoda 중복족 목  
 Superfamily Littorinacea 총알고둥 상과  
 Family Littorinidae 총알고둥 과

1) *Granulilittorina exigua* (Dunker, 1860)  
 좁쌀무늬총알고둥

*Littorina granularis* Gray, 1839, Zool. Beechey's Voy, p. 140. (cited from Habe, 1951).

*Littorina granularis* Philippi, 1848, Abbild. Besch., 3, p. 63, pl. 7, fig. 7. (cited from Habe, 1951).

*Littorina exigua* Dunker, 1860, Malak. Blatt., 6(1859), p. 226. (cited from Kuroda *et al.*, 1971); Dunker, 1861, p. 13; Lischke, 1869, p. 70, pl. 4, figs. 7-8; Lischke, 1871, p. 70; Dunker, 1882, p. 111.

*Littorina millegrana*: Shiba, 1934, p. 19.

*Nodilittorina granularis* Habe, 1951, p. 92, pl. 14, figs. 7-8, 16(non Gray, 1839); Kawamoto & Tanabe, 1956, p. 14; Lee, 1956a, p. 5; Yamamoto & Habe, 1962, p. 15, pl. 3, figs. 18-19, 30; Oyama, 1963, *Nodilittorina* • *Tectarius*, fig. 1; Kim & Lee, 1978, p. 98; Habe & Ito, 1979, p. 24, pl. 7, fig. 3; Kim *et al.*, 1979, p. 108; Tsi & Ma, 1980, p. 434; Okada, 1981, p. 49; Kim & Kwon, 1983, p. 321; Kim *et al.*, 1983, p. 102; Kim & Kim, 1984, p. 195; Kim & Yoon, 1985, p. 38; Kim & Kim, 1986, p. 320.

*Nodilittorina(Granulilittorina) exigua* Rosewater, 1970, Indo-Pacific Moll., 2(11), p. 500, pl. 386, figs. 1-6.(cited from Kuroda *et al.*, 1971); Qi *et al.*, 1989, p. 30.

*Granulilittorina exigua*: Kuroda *et al.*, 1971, p. 88 (in Japanese), p. 58 (in English), pl. 16, figs. 32-34; Higo, 1973, p. 47; Kim & Choe, 1981, p. 195, 196; Kim & Kwon, 1982, p. 196; Lee *et al.*, 1985, p. 95; Watanabe & Naruke,

1988, p. 36.

*Nodilittorina exigua*: Kira, 1975, p. 22, pl. 12, fig. 24; Yoo, 1977, p. 56, pl. 7, figs. 20-21; Inaba, 1982, p. 83; Ma, 1982, p. 32; Ohgaki, 1985, p. 260-269.

*Tectarius granularis*: Chau *et al.*, 1982, p. 29, pl. 4, figs. 5-6.

모식산지: Dejima, Nagasaki, Kyushu in Japan.

관찰재료: 30개체(빈것 5), 1989. 7. 11, Kulam, Scuba; 7개체(빈것 4), 1989. 7. 11, Kulam, Y.J. Kim; 19개체(빈것 7), 1989. 7. 12, T'onggumi, B. L. Choe; 3개체(빈것 1), 1989. 7. 14, Hyölam, B. L. Choe; 3개체(빈것 1), Hyölam, Y.J. Kim; 29개체(빈것 1), 1989. 7. 15, Taep'ungch'wi, B.L. Choe; 28개체, 1989. 7. 16, Sömmok, B.L. Choe; 24개체, 1989. 7. 17, Sadong, B.L. Choe.

분 포: Ullüng Island, Yöngdo, Kyönggi, Hwanghae, Chönnam, P'yöngnam, Hamnam, Kukto, P'öngbuk, Hongdo, Taesambudo, Sangbaekto, Kömundo, Western Coast, Haekümgang, Donggyeogryeolbido, Chagaedo, Soando, Aninjin, Yösödo, Söngmando, Hajodo, Chukhangdo, Tokgödo, Chöngdüngdo, Kalmokto, Nulokto, Tokto in Korea; Seto Inland Sea, Japan Sea, Enoshima, Mutsu Bay, Southern Hokkaido, Honshu, Shikoku, Kyushu, Kodomari, Nonai, Asamushi, Yuno-shima, Moura, Futagojima, Aburamesaki, Oshima, Noheji, Oma, Sagami Bay in Japan; Coast of Liaoning to Hainan Island in China; Indo-Pacific Region; Taiwan; Hong Kong.

서 식 처: 조건대의 바위.

Superfamily Rissoinaea 루소고둥 상과(신칭)  
 Family Rissoinidae 루소고둥 과(신칭)

2) *Costalynia costulata* (Dunker, 1860)

흰눈고둥(신칭)  
 (Plate-Fig. 1)

*Rissoina costulata* Dunker, 1860, Malak.

Blatt., 6, p. 235. (cited from Kuroda *et al.*, 1971); Dunker, 1861, p. 12, pl. 2, fig. 11.

*Costalynia costulata*: Kuroda *et al.*, 1971, p. 93 (in Japanese), p. 62 (in English), pl. 107, fig. 10; Higo, 1973, p. 53; Habe, 1975, p. 32, pl. 10, fig. 16; Inaba, 1982, p. 84; Watanabe & Naruke, 1988, p. 36.

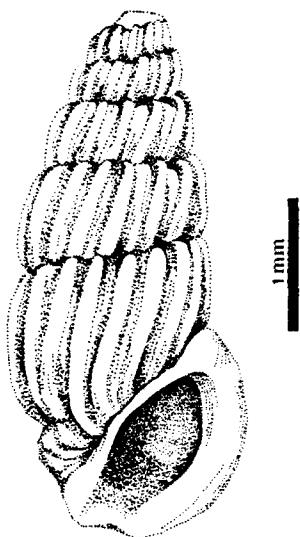
모식산지: Decima(=Dejima), Nagasaki City, Kyushu in Japan.

관찰재료: 1개체(빈것), 1989. 7. 11, Kulam, Scuba.

분 포: Honshu, Shikoku, Kyushu, Sagami Bay, Choshi, Seto Inland Sea in Japan.

서 식 처: 조간대부터 수심 20 m까지. 모래와 자갈밭.

기 재: 패각은 백색, 두껍고 견고하며 각고 4.7 mm, 각경 2.0 mm의 번데기형에 가깝다. Kuroda 등(1971)은 나층이 7 1/2개라고 하였으나 저자가 관찰한 울릉도 표본은 각정 주위의 나층이 파손되어 5 1/2개만 관찰되었다. 각 층은 다소 팽배하였고 봉합은 명확하다. 나층에는 17줄의 성장맥들이 굵고 뚜렷하게 있는데, 이들은 각정으로부터 각구쪽으로 비스듬히 뻗



Textfig. 1. *Costalynia costulata* (Dunker, 1860)  
흰눈고둥

어 있으며 각 성장맥은 봉합에서 끊겨, 다음 나층의 성장맥과 엇갈려 있다. 그 사이에는 깊은 고랑이 나있다. 체층은 전체의 약 2/5를 차지하고 외순 후면의 표면은 옅은 등갈색을 띤다. 각구는 반달 모양이고 외순은 바깥쪽으로 팽윤되어 있다. 축순은 좁고 제공은 닫혀 있으며 수관구가 깊게 패여 바깥쪽으로 제쳐져 있다. 봉대는 명확하고 그 위에 13개의 짧은 용기선이 있다.

### 3) *Barleeia angustata* (Pilsbry, 1901)

가는 줄개고둥(신징)

(Plate-Fig. 2)

*Assimineia angustata* Pilsbry, 1901, p. 396; Hirase, 1941, p. 50, pl. 81, fig. 16.

*Syncera angustata*: Hirase, 1941, p. 50, pl. 81, fig. 16.

*Falsicingula angustata*: Habe, 1958, p. 6, pl. 1, fig. 7. (cited from Yamamoto & Habe, 1962).

*Barleeia angustata*: Yamamoto & Habe, 1962, p. 19, pl. 3, fig. 27; Habe & Ito, 1979, p. 21, pl. 60, fig. 6; Tomiota & Mizushima, 1984, p. 333; Watanabe & Naruke, 1988, p. 36.

모식산지: Rishiri, Kitami in Japan.

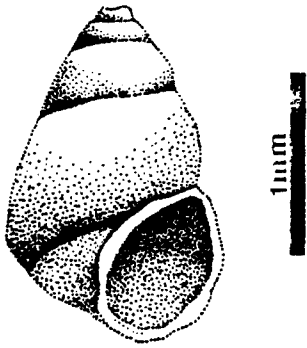
관찰재료: 45개체(빈것 21), 1989. 7. 11, Kulam, Scuba; 1개체(빈것), 1989. 7. 12, T'onggumi, Scuba.

분 포: Hokkaido, Honshu, Kyushu, Not-suke Bay of the Eastern Hokkaido, Choshi, Asamushi, Tsuchiya, Mutsu Bay in Japan.

서 식 처: 조간대의 바위에 서식하는 해조류.

기 재: 패각은 높은 원추형으로 나층은 5층. 각 층은 약간 불룩하게 부풀어 있으며 봉합은 얇지만 뚜렷하다. 패각의 표면은 매끈하고 밤갈색을 띠며 각고는 2.0 mm, 각경은 1.2 mm이다. 체층은 커서 전체의 3/5를 차지한다. 주연과 건각은 둥글고 각저도 둥글어서 체층의 어느 부위도 모가 나지 않는다. 각구는 난형이고 축순은 평활하고 외순은 얇고 둥글며 내순은 약간 굽어 있다. 체층의 주연에는 등갈색의 줄무늬가 하나 있다.

뚜껑은 혁질이며 난형으로 편심형이고 길은 밤갈색



**Textfig. 2.** *Barleeia angustata* (Pilsbry, 1901)  
가는줄개고둥

을 띠고 뚜껑다. 뚜껑 표면의 좌측에서 1/3되는 위치에는 핵으로부터 뚜렷한 홈이 패여 뺄어 나갔다.

Superfamily Vermetiacea 뱀고둥 상과  
Family Vermetidae 뱀고둥 과

**4) *Serpulorbis imbricatus* (Dunker, 1860)**  
큰뱀고둥

*Vermetus imbricatus* Dunker, 1860, Malak. Blatt., 6, p. 240. (cited from Kuroda *et al.*, 1971); Dunker, 1861, p. 17, pl. 2, fig. 18; Lischke, 1869, p. 83; Dunker, 1882, p. 122.

*Serpulus adamsi* A. Adams, 1864, p. 141.

*Lementia imbricata*: Shiba, 1934, p. 20.

*Serpulorbis imbricatus*: Kawamoto & Tanabe, 1956, p. 17, pl. 7, fig. 60; Lee, 1956a, p. 6; Lee, 1956b, p. 69; Kang *et al.*, 1971, p. 57; Kuroda *et al.*, 1971, p. 100 (in Japanese), p. 66 (in English), pl. 17, figs. 7-8; Oyama, 1973, p. 22, pl. 4, fig. 26; Kira, 1975, p. 25, pl. 13, fig. 9; Habe & Ito, 1979, p. 37, pl. 11, fig. 1; Inaba, 1982, p. 87; Scheuwimmer & Nishiwaki, 1982, p. 85-101; Kim & Kim, 1984, p. 195; Lee *et al.*, 1984, p. 122; Kim & Kim, 1986, p. 320.

*Serpulorbis (Cladopoda) imbricatus*: Kim & Rho, 1971, p. 13; Higo, 1973, p. 58; Okada, 1981, p. 57; Watanabe & Naruke, 1988, p. 37.

*Serpulorbis imbricata*: Chen *et al.*, 1980, p. 60; Tsi & Ma, 1980, p. 435; Ma, 1982, p. 20, fig. 19; Lee *et al.*, 1985, p. 95.

모식산지: Decima(=Dejima), Nagasaki City, Kyushu in Japan.

관찰자료: 3개체(모두 빈것), 1989. 7. 11, Kulam, Scuba; 4개체(모두 빈것), 1989. 7. 12, T'ong-gumi, B.L. Choe; 1개체(빈것), 1989. 7. 14, Hyōl-am, Scuba; 2개체(빈것), 1989. 7. 16, Sōmmok, B.L. Choe

분 포: Ch'ujado, Kōjedo, Yokjido, T'ong-yōng, Chinhae, Wando, Cheju, Taesambudo, Kaldo, Western Coast in Korea; Kanto, Seto Inland Sea, Japan Sea, Southern Hokkaido, Honshu, Shikoku, Kyushu, Sagami Bay in Japan; Naji Island, Coast of Zhejiang to Hainan Island in China; Hong Kong.

서 식 처: 조간대부터 수심 10 m까지의 바위.

Superfamily Hipponicacea 기생고깔고둥 상과  
Family Hipponicidae 기생고깔고둥 과

**5) *Amalthea conica* Schumacher, 1817**  
기생고깔고둥

*Amalthea conica* Schumacher, 1817, Essai Nouv. Syst. Vers. Test., p. 181, pl. 21, fig. 4 (cited from Kuroda *et al.*, 1971); Pilsbry, 1904, p. 24; Kuroda, 1941, p. 95; Kawamoto & Tanabe, 1956, p. 25; Lee, 1956a, p. 6; Lee, 1956b, p. 72; Kang *et al.*, 1971, p. 59; Kuroda *et al.*, 1971, p. 128 (in Japanese), p. 84 (in English), pl. 23, figs. 18-19; Habe & Ito, 1979, p. 24, pl. 7, fig. 1; Okada, 1981, p. 67; Inaba, 1982, p. 93; Qi *et al.*, 1983, p. 6; Kim & Kim, 1986, p. 320; Watanabe & Naruke, 1988, p. 39.

*Patella cassida* Dillwyn, 1817, Catal. II. p. 1037. (cited from Pilsbry, 1904).

*Hipponyx australis* Quoy & Gaimard, 1834, Voy. Astrolabe. Moll., 3, p. 434, pl. 72, figs. 25-34. (cited from Kuroda *et al.*, 1971); Dunker, 1861, p. 15; Dunker, 1882, p. 125.

*Hipponix minor* Garrett, 1853. (cited from Kay, 1979).

*Hipponix australis*: Tryon, 1886, Man. of Conch., 8, p. 136, pl. 41, figs. 9-15. (cited from Kuroda *et al.*, 1971).

*Hipponix conicus*: Kuroda, 1928, p. 42.

*Hipponyx conicus*: Taki, 1928, p. 28.

*Sabia conica*: Oyama, 1959, *Hipponyx* · *Sabia*, figs. 6-9; Kira, 1975, p. 28, pl. 14, fig. 3; Yoo, 1977, p. 59, pl. 8, fig. 11-14; Kay, 1979, p. 179, fig. 61(G, H), fig. 62(E-H); Kim & Kim, 1984, p. 195; Lee *et al.*, 1984, p. 122; Lai, 1986, p. 35, pl. 17, fig. 3.

모식산지: 원기재에 기록되어 있지 않음.

관찰재료: 23개체(빈것 22), 1989. 7. 11, Kulam, Scuba; 1개체, 1989. 7. 11, Todong, B.L. Choe; 6개체(모두 빈것), 1989. 7. 13, Naesujön, Scuba; 3개체(빈것 1), 1989. 7. 14, Hyölam, B.L. Choe; 2개체(모두 빈것), 1989. 7. 15, Taep'ungch'wi, Scuba; 1개체(빈것), 1989. 7. 16, Sömmok, Scuba.

분 포: Songdo, Kõmundo, Taehöksando, Ch'ujado, Yokjido, Pusan, Pijin, Taesambudo in Korea; Amami-Oshima, Southern Hokkaido, Honshu, Shikoku, Kyushu, Kamekisho-Mosaki, Seto Inland Sea, Sajima, Ashina, Sagami Bay, Jagashima in Japan; China; Taiwan; Australia; Western Coast of America, All Island in the Hawaiian Chain in America; Indo-Western Pacific Region.

서 식 처: 전복이나 소라등 패각의 표면.

Superfamily Cypraeacea 개오지 상과

Family Ovulidae 개오지붙이 과(신칭)

## 6) *Primovula rhodia* (A. Adams, 1855)

주홍토끼고둥(신칭)

*Ovulum triticeum* Sowerby, 1830, in Broderip & Sowerby, Spec. Conch., *Ovulum*, 1 (1), p. 6 (non Lamarck, 1810). (cited from Kuroda *et al.*, 1971).

*Amphiperas rhodia* A. Adams, 1855, p. 130.

*Ovulum rhodia*: Reeve, 1865, Conch. Icon., *Ovulum*, sp. 18. (cited from Kuroda *et al.*, 1971).

*Ovula rhodia*: Lischke, 1871, p. 168; Lischke, 1874, p. 49.

*Primovula rhodia*: Kawamoto & Tanabe, 1956, p. 29; Kuroda, 1958, p. 169; Lee, 1958, p. 17; Kuroda *et al.*, 1971, p.149 (in Japanese), p. 98 (in English), pl. 24, figs. 26-29; Kira, 1975, p. 44, pl. 19, fig. 6; Habe & Ito, 1979, p. 23, pl. 6, fig. 34; Okada, 1981, p. 78; Inaba, 1982, p. 96; Qi *et al.*, 1983, p. 38; Kim & Yoon, 1985, p. 38; Watanabe & Naruke, 1988, p. 40.

*Primovula(Primovula) rhodia*: Kuroda, 1958, p. 169.

*Sandalia rhodia*: Azuma, 1976, p. 202; Qi *et al.*, 1989, p. 48.

모식산지: Japan.

관찰재료: 4개체, 1989. 7. 14, Hyölam, Scuba.

분 포: Hujin in Korea; Southern Hokkaido, Seto Inland Sea, Honshu, Shikoku, Kyushu, Chosh, Amadaiba-Kannontsukadashi(65~75 m), Kasagone(13~15 m), Kamekisho-Mosaki(15 m) in Japan; China.

서 식 처: 조간대부터 수심 30 m까지. 바위에서 고착 생활하는 *Melithaea flabellifera*와 같은 빨산호에 서식.

Family Cypraeidae 개오지 과

## 7) *Purpuradusta gracilis japonica*

(Schilder, 1931) 점박이개오지

*Cypraea gracilis* Gaskoin, 1849, Proc. Zool. Soc. London, 4, p. 93. (cited from Kuroda *et al.*, 1971); Lan *et al.*, 1983, p. 27; Lai, 1987, p. 19, pl. 8, fig. 4.

*Erronea japonica* Schilder, 1931, Zool. Anz., 96, p. 67-68. (cited from Kuroda *et al.*, 1971).

*Melicerona gracilis japonica*: Schilder, 1938, Proc. Malac. Soc. London, 23, p. 162. (cited

from Kuroda *et al.*, 1971).

*Erronea (Palmadusta) japonica*: Hirase, 1941, p. 63, pl. 93, fig. 16.

*Palmadusta (Melicerona) gracilis japonica*: Kuroda, 1941, p. 102.

*Evenaria (Cupinota) japonica*: Kawamoto & Tanabe, 1956, p. 30, pl. 11, figs. 98; Lee, 1956a, p. 7.

*Evenaria japonica*: Lee, 1956b, p. 73; Kang *et al.*, 1971, p. 59.

*Purpuradusta gracilis japonica*: Kuroda *et al.*, 1971, p. 167 (in Japanese), p. 111 (in English), pl. 27, figs. 13-16; Higo, 1973, p. 94; Kira, 1975, p. 48, pl. 20, fig. 16; Inaba, 1982, p. 95; Watanabe & Naruke, 1988, p. 41, pl. 5, fig. 7.

*Erronea (Palmadusta) gracilis japonica*: Oyama, 1973, p. 35, pl. 8, fig. 13.

*Purpuradusta gracilis*: Yoo, 1977, p. 64, pl. 10, fig. 1; Kim & Kwon, 1982, p. 196.

*Palmadusta gracilis japonica*: Chen *et al.*, 1980, p. 60; Tsi & Ma, 1980, p. 437; Ma, 1982, p. 34.

*Purpuradusta (Cupinota) gracilis*: Okada, 1981, p. 81.

모식산지: Japan.

관찰재료: 1개체(빈것), 1989. 7. 13, Naesujön, Scuba; 1개체(빈것), 1989. 7. 16, Sömmok, Scuba.

분 포: Pusan Songjǒng, Pangöjin, P'ohang, Cheju, Yöngil, Yokji, Songjǒng, Yösödo in Korea; Honshu (Mutsu Bay as north limit), Shikoku, Kyushu, Japan Sea, Kamekisho-Mosaki (15 m), Sajima-Hasaki (18 m), Chojama (15 m), Kasajima, Seto Inland Sea in Japan; Indo-Pacific Region; Naji Island, Zhejiang to Hainan Island in China; Taiwan; Hong Kong.

서 식 처: 조간대부터 수심 20 m까지. 바위와 자갈밭.

Superfamily Tonnacea 대고둥 상과

Family Cymatiidae 수염고둥 과

8) *Fusitriton oregonensis* (Redfield, 1846)  
콩각지고둥

*Triton oregonensis* Redfield, 1846, Ann. Lyc. Nat. Hist. New York, 4, p. 165, pl. 11, fig. 2. (cited from Kuroda *et al.*, 1971); Lischke, 1874, p. 31.

*Fusus oregonensis* Reeve, 1848, Conch. Icon., *Fusus*, sp. 61. (cited from Kuroda *et al.* 1971).

*Tritonium cancellatum* Middendorff, 1849, Beitr. Moll. Rossica, 1(2), p. 164, pl. 3, figs. 1-4. (cited from Kuroda *et al.*, 1971).

*Triton (Priene) cancellatus*: S. Hirase, 1907, Conch. Mag., 1(8), p. 242, pl. 13, fig. 91. (cited from Kuroda *et al.*, 1971).

*Fusitriton oregonensis*: Toba, 1928, p. 26; Kuroda & Koba, 1933, p. 155, 169; Oyama, 1958, *Apollon(2) • Fusitriton*, fig. 15; Kang *et al.*, 1971, p. 60; Kuroda *et al.*, 1971, p. 189 (in Japanese), p. 124 (in English), pl. 28, figs. 4-5; Higo, 1973, p. 102; Kira, 1975, p. 55, pl. 22, fig. 9; Yoo, 1977, p. 68, pl. 11, fig. 6; Habe & Ito, 1979, p. 33, pl. 9, figs. 5-6; Okada, 1981, p. 93; Habe, 1983, p. 420, pl. 3, fig. 9; Kim & Yoon, 1985, p. 38; Watanabe & Naruke, 1988, p. 43.

*Argobuccinum (Fusitriton) oregonense*: Hirase, 1941, p. 66, pl. 96, fig. 6.

모식산지: Juan de Fuca, Washington, North America.

관찰재료: 1개체(빈것), 1989. 7. 12, T'onggumi, Scuba; 4개체(모두 빈것), 1989. 7. 16, Chödong, B.L. Choe; 3개체(빈것 2), 1990. 5. 20, Todong (통발), W. Kim.

분 포: Yöngil, Chukpyön, Chumunjin, Sokch'o, Hujin in Korea; Japan Sea, Honshu (Sagami Bay as south limit), Hokkaido, Jogashima, Choshi, (160~230 m), Kamekisho

(150~250 m), Chiba Pref. in Japan; Widely Ranges in the North Pacific Region (San Diego, California, as south limit).

서 식 처: 조간대부터 수심 500~600 m까지. 미세한 모래받이나 자갈받.

## 결 론

지금까지 울릉도 해산 중북족류에 관하여는 1과 1종이 보고되었고 본 연구에서는 6과 7종의 울릉도 미기록 종을 추가하여 모두 7과 8종이 되었다. 이들 중 *Costalynia costulata* (Dunker, 1860), *Barleeia angustata* (Pilsbry, 1901) 등 2종은 한국 미기록 종이다.

## 사 사

본 연구에 참고한 많은 문헌을 보내주시고 동정을 감수하여 준 일본 국립과학 박물관의 波部忠重 박사와 문헌을 보내주시고 일부 복사에 협조하여 준 일본 Kyushu 대학의 Akihiko Matsukuma 박사 및 Nara 여자대학의 Keiji Wada 박사에게 심심한 사의를 표한다.

## 참 고 문 헌

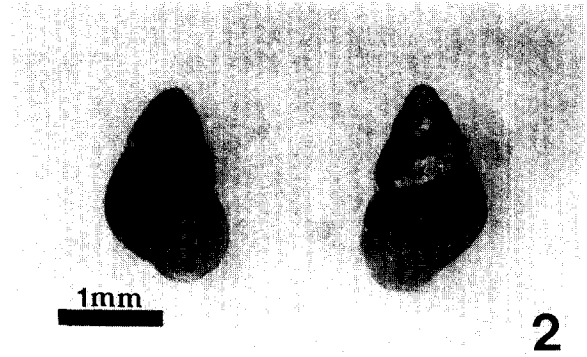
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PLATE



1. *Costalynia costulata* (Dunker, 1860)
2. *Barleeia angustata* (Pilsbry, 1901)