

Donation and registration of the Late Cretaceous ammonoid *Libycoceras* and Late Devonian plant *Leptophloeum* to the Tokushima Prefectural Museum

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Abstract : The Late Cretaceous ammonoid *Libycoceras* and Late Devonian plant *Leptophloeum* were donated to the Tokushima Prefectural Museum. These specimens, which have been presented in published papers, are the holotype of *Libycoceras awajiense* Matsumoto and Morozumi, 1985 and a first recorded fossil of *Leptophloeum rhombicum* (Dawson, 1862) from Tokushima Prefecture. The specimens are now housed in the museum and have been assigned new registration numbers.

Key words : Private collection, type specimen, illustrated specimen, Izumi Group, Kurosegawa Belt

Introduction

Five paleontological specimens, which consist of the Late Cretaceous ammonoid *Libycoceras awajiense* Matsumoto and Morozumi, 1988 from the Izumi Group in Awaji Island of Hyogo Prefecture and the Late Devonian plant *Leptophloeum rhombicum* (Dawson, 1862) from the Kurosegawa Belt of Tokushima Prefecture, were recently donated to the Tokushima Prefectural Museum by Mr. Masahiko Takada and Mr. Noboru Okitsu, respectively (Table 1). These specimens have been exhibited in published academic papers (Matsumoto and Morozumi, 1988; Yasui and Okitsu, 2007). The specimen of *L. awajiense* is the holotype described by Matsumoto and Morozumi (1988) (Fig. 1). In addition, the specimens of *L. rhombicum* were presented in Yasui and Okitsu (2007) as the first recorded Late Devonian plant from Tokushima Prefecture (Fig. 2). The specimens were originally stored as privately owned collections, although, in particular, the type specimens such as the holotype should be preserved in an institution that maintains a research collection based on the International Code of Zoological Nomenclature. I report herein that the specimens donated to the Tokushima Prefectural Museum have been assigned new registration number (Table 1).

Table 1. List of paleontological specimens donated to the Tokushima Prefectural Museum. Private collection number and new registration numbers of each specimen are shown.

Species name	Private collection number	New registration number	Figure in a published paper
<i>Libycoceras awajiense</i>	—	TKPM.GFI5196	Matsumoto and Morozumi, 1985, figures 1 and 2
<i>Leptophloeum rhombicum</i>	KT-13021	TKPM.GFI1172	Yasui and Okitsu, 2007, Fig 3.1
<i>Leptophloeum rhombicum</i>	KT-13037B	TKPM.GFI1173	Yasui and Okitsu, 2007, Fig 3.2a, b
<i>Leptophloeum rhombicum</i>	KT-13003	TKPM.GFI1174	Yasui and Okitsu, 2007, Fig 3.3a, b
<i>Leptophloeum rhombicum</i>	KT-13023	TKPM.GFI1176	Yasui and Okitsu, 2007, Fig 3.4a, b

Received 30 January, 2012 ; Accepted 28 February, 2012.

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Data related to the donated specimens and their new registration number

Libycoceras awajiense Matsumoto and Morozumi, 1988

An ammonoid was discovered by Mr. Masahiko Takada. It was found in the Seidan Formation of the Upper Cretaceous Izumi Group, which is composed fine-sandy siltstone, in the Nagata area, of Minami-Awaji City, Hyogo Prefecture during 1985-1987 when the Honshu-Shikoku Expressway was constructed. Following that, the ammonoid was introduced as a new species *Libycoceras awajiense* by Matsumoto and Morozumi (1988). Until now, *L. awajiense* has been known as a singular specimen of the holotype as well as the sole example assigned to the family Sphenodiscid ammonoid from Japan.

The holotype of *L. awajiense* is housed in the Tokushima Prefectural Museum under TKPM. GFI 5196 as a new registration number (Table 1; Fig. 1).

Leptophloeum rhombicum (Dawson, 1862)

The Late Devonian plant assigned to genus *Leptophloeum* was discovered by Mr. Noboru Okitsu from the “Suberidani lenticular body” of the Kurosegawa Belt in Katsuura Town, Tokushima Prefecture. The four specimens illustrated in Yasui and Okitsu (2007) were donated to the Tokushima Prefecture Museum, although the twelve specimens were actually obtained from fine-grained sandstone in the Suberidani area. These specimens are the first record of the Late Devonian plant *Leptophloeum* from Tokushima Prefecture. Occurrence of *Leptophloeum* showed the presence of the Upper Devonian strata in Tokushima Prefecture.

The four specimens of *Leptophloeum rhombicum* numbered KT-13021, 13037B, 13003 and 13023 have been newly registered as TKPM. GFI1172, 1173, 1174 and 1176, respectively (Table 1; Fig. 2).

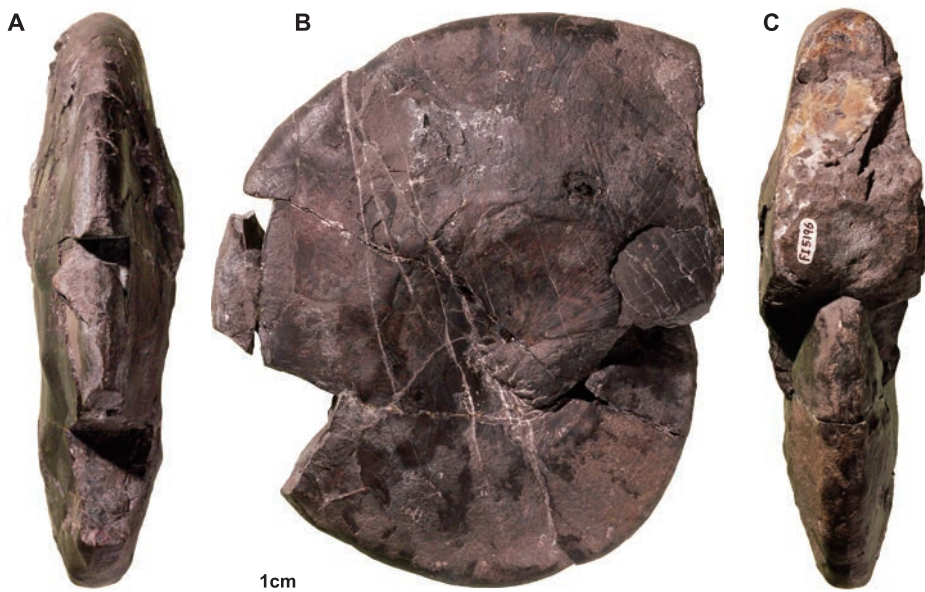


Fig. 1. *Libycoceras awajiense* Matsumoto and Morozumi, 1988, TKPM.GFI5196. A: Ventral view. B: Left lateral view. C: Apertural view.

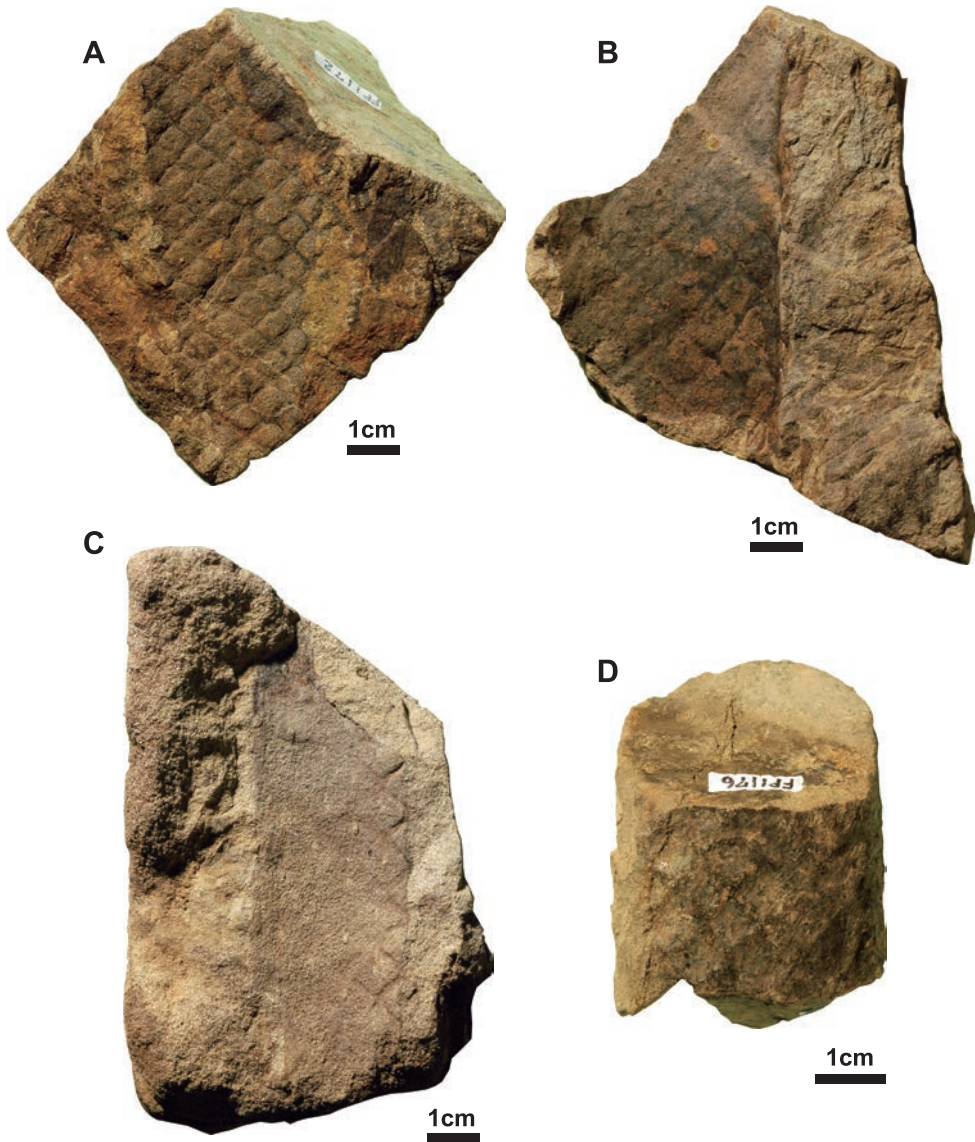


Fig. 2. *Leptophoeum rhombicum* (Dawson, 1862). A: TKPM.GFI1172. B: TKPM.GFI1173. C: TKPM.GFI1174. D: TKPM.GFI1176.

Acknowledgments

I would like to thank Mr. Masahiko Takada (Natural History Museum, Kishiwada City) and Mr. Noboru Okitsu (Anan City, Tokushima) for donation of the specimens. I greatly appreciate Mr. Angus A. McDonald (University of Tokushima) for improvement of the English text.

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摘 要

徳島県立博物館に寄贈された後期白亜紀アンモノイド *Libycoceras*
および後期デボン紀植物 *Leptophloeum* の登録

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後期白亜紀アンモノイド *Libycoceras* および後期デボン紀植物 *Leptophloeum* が徳島県立博物館に寄贈された。これらの標本は、すでに論文中で紹介されたものであり、*Libycoceras awajiense* のホロタイプおよび徳島県から初めて記録された *Leptophloeum rhombicum* である。これらの標本は、徳島県立博物館に収蔵され、新しい登録番号が与えられた。

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