

第2表 大野川層群産動物化石
List of the animal fossils from the Onogawa group

Stratigraphic unit. Species	Onogawa group																			
	Lowermost s.		Lower subgroup						Middle subgroup				Upper subgroup							
	Soyou f.	Uso f.	Ryozen formation		Okukawa-rauchi f.		Nakakawa-rauchi f.		Shibakita formation		Inukai formation		Ugaku formation		Takeyama formation		Mizugajo formation		Amabe formation	
			R1	R2	O1	O2	N1	N2	N3	S1	S2	I1	I2	U1	U2	T1	T2	M1	M2	A1
<i>Anagaidryceras limatum</i> (YABE)											X									
<i>Gaudryceras denseplicatum</i> (JIMBO)													X					X		
G. sp.																				
<i>Mesopuzosia yubarensis</i> (JIMBO)				X																
<i>Neopuzosia</i> sp.																				
<i>Subprionocyclus neptuni</i> (GEINITZ)																				
<i>S. bravaisianus</i> (D'ORBIGNY.)																				
<i>S. normalis</i> (ANDERSON)																				
<i>Bostrychoceras indicum</i> (STOLICZKA)													X							
<i>Otoscaphtes puerclus</i> (JIMBO)				X																
O. sp.																				
<i>Scaphites</i> spp.																				
<i>Scalarites</i> sp.																				
<i>Polypthyoceras pseudogaultinum</i> (YOKOYAMA)																				
P spp.																				
<i>Baculites</i> sp.																				
Ammonoidea gen. and sp. indet.																				
<i>Dentalium (Antalis) cooperi ezoense</i> (NAGAO)																				
<i>Avellana sculptilis</i> STOLICZKA																				
A. sp.																				
Gastropoda gen. and sp. indet.																				
<i>Nucula</i> sp.																				
<i>Acila (Truncacila) hokkaidoensis</i> (NAGAO)																				
A. (T.) sp.																				
<i>Nuculana formosa</i> NAGAO																				
N. sp.																				
<i>Portlandia</i> sp.																				
<i>Navicula</i> sp.																				
<i>Nanonavis (Nanonavis) sachalinensis</i> (SCHMIDT)				X	X															
<i>Cucullaea ezoensis</i> (YABE & NAGAO)					X															
<i>Matsumotoa japonica</i> OKADA																				
<i>Glycymeris amakusense solida</i> NAGAO				X																
G. <i>hokkaidoana multicostata</i> NAGAO																				
G. sp.																				
<i>Crenella gyliakiana</i> MATSUMOTO																				
Pinna sp.																				
<i>Inoceramus hobetsensis</i> NAGAO & MATSUMOTO																				
I. <i>mukawaensis</i> NAGAO & MATSUMOTO																				
I. <i>teshioensis</i> NAGAO & MATSUMOTO																				
I. <i>uwajimensis</i> YEHARA																				
I. <i>u. yeharai</i> NAGAO & MATSUMOTO																				
I. <i>pedalionoides</i> NAGAO & MATSUMOTO																				
I. <i>ezoensis</i> YOKOYAMA																				
I. <i>amakusensis</i> NAGAO & MATSUMOTO																				
I. <i>naumanni</i> YOKOYAMA																				
I. <i>yokoyamai</i> NAGAO & MATSUMOTO																				
I. spp.																				
<i>Diadymotis akamatsui</i> YEHARA																				
<i>Propeamussium cowperi yubarensis</i> YABE & NAGAO																				
<i>Pecten raduloides</i> STOLICZKA				X																
<i>Anomia</i> sp.																				
<i>Ostrea</i> sp.																				
<i>Apiotrigonia undulosa</i> NAKANO																				
<i>Pterotrigonia datemasamunei</i> (YEHARA) var.																				
<i>Acanthotrigonia higoensis</i> TAMURA & TASHIRO																				
A. <i>mashikiensis</i> TAMURA & TASHIRO																				
<i>Astarte</i> sp.																				
<i>Lucina fallax</i> STOLICZKA					X															
L. (Myrtea) <i>arcotina</i> STOLICZKA					X															
" <i>Callista</i> " <i>pseudoplana</i> YABE & NAGAO																				
"C." (<i>Pseudoamiantis</i>) <i>crenulatus</i> MATSUMOTO																				
<i>Pseudoasaphis japonica</i> MATSUMOTO																				
<i>Siliqua</i> sp.																				
Pelecypoda gen. and sp. indet.																				
Brachiopoda gen. and sp. indet.																				
<i>Hemiasper</i> sp.																				
Echinoidea gen. and sp. indet.																				

X : cf. * : aff.

Time-stratigraphic unit	Cenoman.		Turonian						Coniacian				Santonian							
	Low. Gyl. K4α		Up. Gyl. K4β						Low. Urakawan K5α				Up. Urakawan K4β							
	Fossil zone		I. hobet. z.		I. teshioensis. z.		I. uwajimensis zone				Inoceramus amakusensis zone									
	Rock-stratigraphic unit		Onogawa group																	
Species	Lowermost subgroup				Lower subgroup				Middle subgroup				Upper subgroup							
	Soyou f.	Uso f.	Ryozen formation		Okukawa-rauchi f.		Nakakaw-arauchi f.		Shibakita formation		Inukai formation		Ugaku formation		Takeyama f.		Mizugajo f.		Amabe formation	
	So	Us	R1	R2	O1	O2	NI-2	N3	S1	S2	I1	I2	U1	U2	T1	T2	M1	M2	A1	A2
<i>Inoceramus hobetsensis</i>			••																	
<i>I. teshioensis</i>				•••••																
<i>I. sp.</i>						•														
<i>I. pedalionoides</i>								※												
<i>I. uwajimensis</i>										••••	••••	••••								
<i>I. u. yeharai</i>																				
<i>I. ezoensis</i>														×	×					
<i>I. mukawaensis</i>														•	•••••					
<i>I. amakusensis</i>														••		×	×		••	••
<i>I. naumanni</i>														×	••					
<i>I. yokoyamai</i>																••	•			•
<i>Didymotis akamatsui</i>										•		••••								
<i>Apiotrigonia undulosa</i>				•								•								
<i>Pterotrigonia datemasamunei</i> var.																				
<i>Acanthotrigonia higoensis</i>	•																			
<i>A. mashikiensis</i>	•																			
<i>Anagaudryceras limatum</i>												×								
<i>Gaudryceras denseplicatum</i>														••				×		
<i>G. sp.</i>																				
<i>Mesopuzosia yubarensis</i>																				×
<i>Neopuzosia sp.</i>														•						
<i>Subprionocyclus neptuni</i>				•																
<i>S. bravaisianus</i>				•																
<i>S. normalis</i>				•																
<i>Bostrychoceras indicum</i>																				
<i>Otoscaphtes puerclus</i>				×									×							
<i>O. sp.</i>																				
<i>Scaphites spp.</i>													••							
<i>Scalarites sp.</i>				••																
<i>Polyptychoceras pseudogaulti-</i>																				
<i>P. num</i>																				
<i>Baculites sp.</i>								•											•	•

× : cf. ※ : aff.

第 3 表 大野川層群におけるイノセラムス・三角貝およびアンモナイトの層序的分布
Stratigraphic distribution of inocerami, trigonians and ammonites in the Onogawa group

第 6 表 大野川盆地および隣接地域の白亜紀層の対比
Correlation of the Cretaceous formations in the Onogawa Basin and its adjacent areas

Time-stratigraphic unit	West Kyushu				East Kyushu							West Shikoku																																																																																																	
	Outer zone		Inner zone		Outer zone					Inner zone		Outer zone	Inner z.																																																																																																
	Chichibu t.	Ryoke terrain	Chugoku & Sanoki t.		Chichibu terrain					Sambagawa t.	Ryoke t.	Chichibu terrain	Ryoke t.																																																																																																
	Yatsushiro area	Onogawa sub.	Mifune subbelt	Izumi belt	Gokase area	Shinkai belt	Yamabu belt	Muku-jima	Haidateyama belt	Osaka belt	Notsu belt	Onogawa-Mifune belt	Onogawa graben	Sambagawa terrain	Izumi belt																																																																																														
Upper Cretaceous	Campanian	Maa.	K6β	Himenoura group 3000											Izumi group 7000																																																																																														
		Hetoniaian	K6α																																																																																																										
		K5γ																																																																																																											
	Santonian	Urakawan	K5β	Goshanoura group 1000											Mifune group 2400																																																																																														
		K5α																																																																																																											
	Coniacian	Urakawan	K4β	Miyaji f. 230+											Mifune group 2400																																																																																														
			K4α																																																																																																										
	Turonian	Gyilakian	K3γ	Goshanoura group 1000											Mifune group 2400																																																																																														
			K3β																																																																																																										
	Cenoman.	Miyakooan	K3α	Yatsushiro f. 600											Mifune group 2400																																																																																														
K2																																																																																																													
Lower Cretaceous	Neocomian	Lower Kochian	K1	Kawaguchi f. 400											Mifune group 2400																																																																																														
			K2																																																																																																										
	Aptian	Miyakooan	K3α	Hlnagu f. 830											Mifune group 2400																																																																																														
			K3β																																																																																																										
			K3γ																																																																																																										
Albian	Miyakooan	K3β	Yatsushiro f. 600											Mifune group 2400																																																																																															
		K3α																																																																																																											
Upper Jurassic	Sakamoto f. 350	Togawa f. 900+											Shinkai f. 180																																																																																																
														Kasabe f. 850											Yamabu f. 500																																																																																				
																										Shibanomota f. 1200											Takahata f.																																																																								
																																						Mukujima f. 690+											Haidateyama g.																																																												
																																																		Haidateyama group											Sukubo f. 750+																																																
																																																														Koshigoe f. 1420											Higashidani f. 680+																																				
																																																																										Haidateyama group											Sukubo f.																								
																																																																																						Koshigoe f.											Tano group												
																																																																																																		Tamarimizu f. 1000											Notsuichi f. 1360+
Shiibaru f. 360+											Shiib. f. 270+																																																																																																		
												Soyou formation											Lowermost subg.																																																																																						
																								Usu f. 850+											Ryozen f. 4100+																																																																										
																																				Maana f.											Okukawa. f. 2200+																																																														
																																																Nakakawa. f. 1550+											Shibakita f. 2300+																																																		
																																																												Inukai f. 3900											Amabe f. 3700+																																						
																																																																								Ugaku f. 3800											Mizugajo f. 2100																										
																																																																																				Takeyama f. 1200											Up. s.														
																																																																																																Mizugajo f. 2100											Mid. subg.		
																																																																																																												Amabe f. 3700+	
Shibakita f. 2300+											Low subg.																																																																																																		
												Nakakawa. f. 1550+											Up. s.																																																																																						
																								Okukawa. f. 2200+											Mid. subg.																																																																										
																																				Ryozen f. 4100+											Low subg.																																																														
																																																Usu f. 850+											Up. s.																																																		
																																																												Soyou formation											Lowest subg.																																						

~~~~~: unconformity - - - - -: fault .....: unknown |||||: older basement g.: group subg.: subgroup f.: formation Arabic figure: maximum thickness in meter