

Sedimentology and stratigraphy at the rocky coast of the upper Burdigalian Molasse Sea: a case study from Gurlarn near Passau (SE Germany)

Dorothea Frieling · Martina Pippèrr ·
Simon Schneider · Bettina Reichenbacher

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The original version of this article unfortunately contained a mistake. In Table 4 the fifth name of species *Lenticulina ott nangensis melvilli* (Cushman and Renz) has to be replaced by *Lenticulina melvilli* (Cushman and Renz). The correct version of Table 4 is given below.

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D. Frieling (✉) · M. Pippèrr · B. Reichenbacher
Department of Earth and Environmental Sciences,
Section Palaeontology, Ludwig-Maximilians University
of Munich, Richard-Wagner-Str. 10, 80333 Munich, Germany
e-mail: d.frieling@lrz.uni-muenchen.de

S. Schneider
Bayerische Staatssammlung für Paläontologie und Geologie,
Richard-Wagner-Str. 10, 80333 Munich, Germany

Table 4 Distribution and abundance of benthic foraminifera in the samples G1–G8, Ga, Gb and Gs from the Upper Marine Molasse deposits from the Gurlarn clay pit

I		II			III		IV	V		Samples Gurlarn
Ga	Gb	G4	G1	G5	Gs	G6	G2	G7	G8	
b										<i>Textularia gramen</i> d' Orb.
c	a			a						<i>Spiroplectamina pectinata</i> (Reuss)
a	b									<i>Sigmoilopsis ottangensis</i> ^c Cicha, Ctyroká and Zapletalova
d	d	c	b	c	a	a	a	a		<i>Lenticulina inornata</i> (d' Orb.)/ <i>Lenticulina melvilli</i> (Cushman and Renz)
a	b									<i>Lenticulina paupercula</i> (Reuss)
b										<i>Lenticulina vortex</i> (Fichtel and Moll)
b										<i>Astacolus crepidulus</i> (Fichtel and Moll)
a										<i>Marginulina wengeri</i> Rupp and Haunold-Jenke
a										<i>Fronicularia</i> sp.
c	a	b	a							Polymorphinidae div. sp.
a	a	b		a						<i>Fursenkoina acuta</i> (d' Orb.)
a										<i>Uvigerina</i> cf. <i>posthantkeni</i> Papp
a		b								<i>Amphicoryna ottangensis</i> ^c (Toula)
b								a		<i>Siphonodosaria</i> aff. <i>verneuili</i> (d' Orb.)
b	b									<i>Elphidium crispum</i> (Linné)
b										<i>Elphidium flexuosum</i> (d' Orb.)
d	d	c	b	a	a	b	c			<i>Elphidium subtypicum</i> Papp
a		b								<i>Elphidium macellum</i> (Fichtel and Moll)
a	b			b						<i>Elphidium fichtellianum</i> (d' Orb.)
b	a						b		a	<i>Elphidium</i> cf. <i>hauerinum</i> (d' Orb.)
c	c	c				b	c	a		<i>Elphidium glabratum</i> Cushman
b	c	c	b			b	c			<i>Elphidium</i> div. sp.
b	c	c	b	a		b	a	a		<i>Elphidiella minuta</i> (Reuss)
c	c	d	c	a	a	b	c	b		<i>Nonion commune</i> (d' Orb.)
c	b	a								<i>Pullenia bulloides</i> (d' Orb.)
b										<i>Pullenia quinqueloba</i> (Reuss)
b	b									<i>Astrononion perfossum</i> (Clodius)
d	d	d	c	c	b	d	d	b	c	<i>Ammonia beccarii</i> (Linné) s.l.
c										<i>Rosalina obtusa</i> d' Orb.
a		a							a	<i>Biapertorbis biaperturatus</i> Pokorný
a										<i>Cancris auriculus</i> (Fichtel and Moll)
a	b									<i>Alabama tangentialis</i> (Clodius)
d	d	d	c	b	a	a	c		b	Cibicididae div. sp.
c	a									<i>Heterolepa dutemplei</i> (d' Orb.)
b	d	d	a	a		a	b		a	<i>Hanzawaia boueana</i> (d' Orb.)
	a									<i>Triloculina gibba</i> d' Orb.
	a									<i>Sigmoilinita tenuis</i> (Czjzek)
	b					a				<i>Laeidentalina elegans</i> (d' Orb.) (Gb); <i>Laeidentalina communis</i> (d' Orb.) (G6)
	a	b				a	a			<i>Lagena</i> div. sp.
	a			a			a			<i>Bulimina schischkinskayae</i> Samoiloova
	a									<i>Trifarina bradyi</i> Cushman
	a									<i>Oolina globosa</i> (Montagu)
	b									<i>Elphidium angulatum</i> (Egger)
	a	a					b		a	" <i>Elphidium</i> " <i>rugulosum</i> Cushman and Wickenden

Table 4 continued

I		II			III		IV	V		Samples Gurlarn
Ga	Gb	G4	G1	G5	Gs	G6	G2	G7	G8	
	b	b					c	a	a	<i>Elphidiella heteropora</i> (Egger)
	a	b	a	a	a					<i>Elphidiella semiincisa</i> Wenger
	b		a							<i>Porosonion granosum</i> (d' Orb.)
	a									<i>Melonis pompilioides</i> (Fichtel and Moll)
	b									<i>Asterigerinata planorbis</i> (d' Orb.)
		a								<i>Saracenaria arcuata</i> (d' Orb.)
		a								<i>Amphimorphina haueriana</i> Neugeboren
		a								<i>Fissurina</i> sp.
		a								<i>Stilostomella adolphina</i> (d' Orb.)
		b					b			<i>Stilostomella perscripta</i> (Egger)
		a				a				<i>Protelphidium roemeri</i> (Cushman)
				b		a	a	c	b	<i>Bolivina dilatata</i> Reuss (G5, G6), <i>Bolivina scitula</i> ^e Hofmann (G2, G7, G8)
						a				<i>Amphicoryna</i> sp.
						a	b			<i>Elphidium matzenense</i> Papp
							b		a	<i>Pappina primiformis</i> ^e (Papp and Turnovsky)
							b			<i>Pappina breviformis</i> ^e (Papp and Turnovsky)
							a			<i>Gyroidinoides parvus</i> (Cushman and Renz)
									b	<i>Fursenkoina</i> aff. <i>mustoni</i> (Andreae)

Some species are lumped: Polymorphinidae = *Globulina* div. sp. *Gutulina* div. sp.; Cibicididae = *Cibicidoides lopjanicus* (Myatlyuk), *Cibicoides tenellus* (Ruess), *Cibicides lobatulus* (Walker and Jacob), *Cibicidoides* sp.; *Lagena* div. sp. = *Lagena striata* (d' orb.), *Lagena sulcata* (Walker and Jacob), *Lagena laevis* (Montagu)

^a 1 Ex.

^b 2–5 Ex.

^c 6–20 Ex.

^d >20 Ex.

^e Index fossils (see Table 5)