

ГЕОХРОНОЛОГИЧЕСКАЯ ШКАЛА

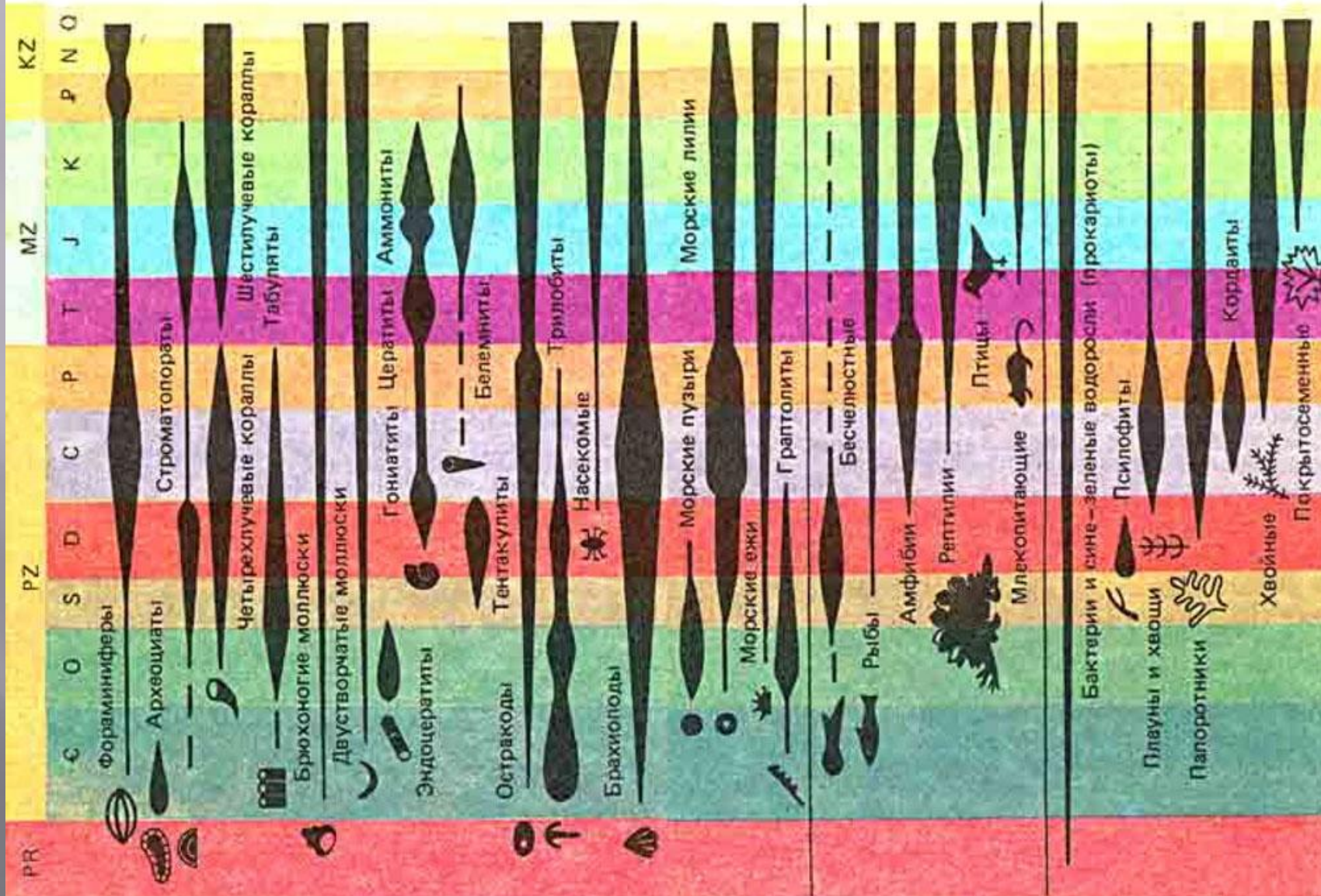
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ГЕОХРОНОЛОГИЧЕСКАЯ ШКАЛА - шкала геологического времени, отражающая в определённой последовательности и соподчинённости этапы, на которые делится геологически документированная история Земли, основанная на изучении последовательности залегания вулканических пород и осадочных отложений.

Геохронологическая шкала

Эон	Эра	Период
Фанерозой	Кайнозой	Четвертичный
		Неоген
		Палеоген
	Мезозой	Мел
		Юра
		Триас
		Пермь
	Палеозой	Карбон
		Девон
		Силур
		Ордовик
		Кембрий

Протерозой	Неопротерозой	Эдиакарий
		Криогений
		Тоний
	Мезопротерозой	Стений
		Эктазий
		Калимий
		Статерий
	Палеопротерозой	Орозирий
		Риасий
		Сидерий
	Архей	Неоархей
		Мезоархей
		Палеоархей
Зоархей		
Катархей		



MILLIONS OF YEARS BEFORE PRESENT












PERIOD

REPRESENTATIVE LIFE

CEENOZOIC ERA
("Recent Life")

MESOZOIC ERA
("Middle Life")

PALEOZOIC ERA
("Ancient Life")

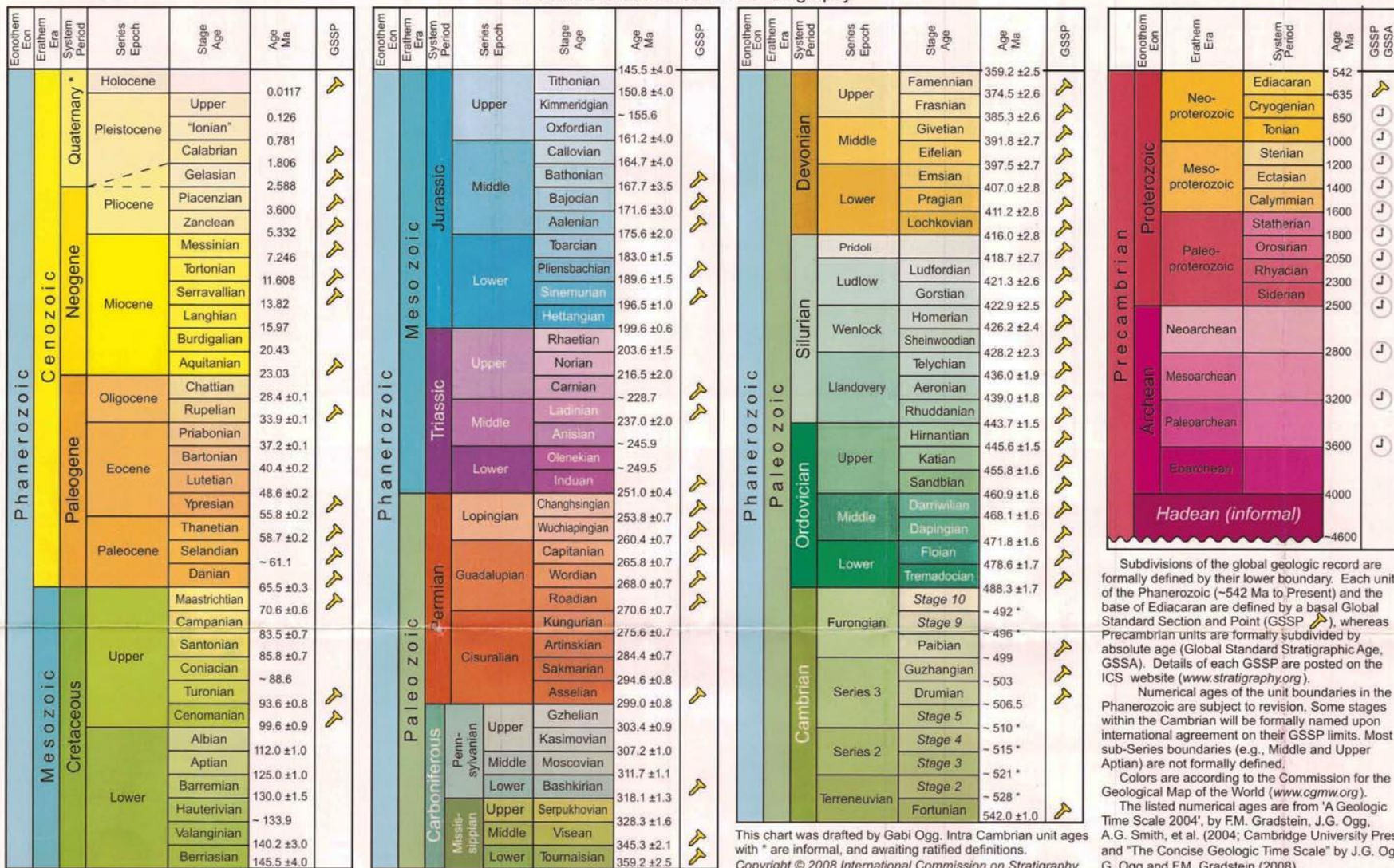
PERIOD	REPRESENTATIVE LIFE
Quaternary Period →	
13½ Tertiary Period	Primitive Horses 
65 Cretaceous Period	Last Dinosaurs 
140 Jurassic Period	Quarry Dinosaurs 
210 Triassic Period	First Dinosaurs 
245 Permian Period	Primitive Reptiles 
290 Pennsylvanian Period	Giant Insects 
320 Mississippian Period	Brachiopods 
360 Devonian Period	Primitive Fishes 
410 Silurian Period	"Sea Scorpions" 
440 Ordovician Period	Nautiloids 
500 Cambrian Period	Trilobites 

Fossils older than Cambrian age are rare. This earlier span of time is usually called, simply, Precambrian.



INTERNATIONAL STRATIGRAPHIC CHART

International Commission on Stratigraphy



* Definition of the Quaternary and revision of the Pleistocene are under discussion. Base of the Pleistocene is at 1.81 Ma (base of Calabrian), but may be extended to 2.59 Ma (base of Gelasian). The historic "Tertiary" comprises the Paleogene and Neogene, and has no official rank.

This chart was drafted by Gabi Ogg. Intra Cambrian unit ages with * are informal, and awaiting ratified definitions. Copyright © 2008 International Commission on Stratigraphy

Subdivisions of the global geologic record are formally defined by their lower boundary. Each unit of the Phanerozoic (~542 Ma to Present) and the base of Ediacaran are defined by a basal Global Standard Section and Point (GSSP), whereas Precambrian units are formally subdivided by absolute age (Global Standard Stratigraphic Age, GSSA). Details of each GSSP are posted on the ICS website (www.stratigraphy.org).

Numerical ages of the unit boundaries in the Phanerozoic are subject to revision. Some stages within the Cambrian will be formally named upon international agreement on their GSSP limits. Most sub-Series boundaries (e.g., Middle and Upper Aptian) are not formally defined.

Colors are according to the Commission for the Geological Map of the World (www.cgmw.org). The listed numerical ages are from 'A Geological Time Scale 2004', by F.M. Gradstein, J.G. Ogg, A.G. Smith, et al. (2004; Cambridge University Press) and 'The Concise Geologic Time Scale' by J.G. Ogg; G. Ogg and F.M. Gradstein (2008).

Рис. 8. Подразделения Международной стратиграфической шкалы и границы ратифицированные МСНП по состоянию на март 2008 г. (Ogg et al., 2008, fig. 1.1)