

the first time the bones and teeth of *reptiles*. These creatures offer extraordinary interest for us, and we shall take up the study of them in due time. Their empire is known as the REIGN OF REPTILES. Following this was the REIGN OF MAMMALS, since their bones are found distributed through the *Cænozoic Great System* of strata. Lastly came man. His bones and works are confined to the surface of the earth. They are not found imbedded in solid rocks. This last and highest animal characterizes the REIGN OF MAN. This is a grand progression. These are fundamental conceptions in geological science. They must be made perfectly familiar to the student of Natural history.

As the reader will desire frequently to refer to this classification of formations and of organic history and geological time, I insert the facts in a Table:

TABLE OF GEOLOGICAL HISTORY.

GREAT SYSTEMS, OR ÆONS.	SYSTEMS, OR AGES.	GROUPS, OR PERIODS.	ORGANIC REIGNS. (Highest Fossils.)
CÆNOZOIC....	QUATERNARY.....	Recent.....	MAN.
		Champlain.....	
		Glacial.....	
TERTIARY.....	TERTIARY.....	Pliocene.....	MAMMALS.
		Miocene.....	
		Eocene.....	
MESOZOIC.....	CRETACEOUS.....	Upper Cretaceous.....	REPTILES (and Birds).
		Middle Cretaceous.....	
	Lower Cretaceous.....		
	JURASSIC.....	Wasatch.....	
		Nevada.....	
TRIASSIC.....	Star Peak.....		
UPPER CARBON- IFEROUS.....	UPPER CARBON- IFEROUS.....	Koipato.....	AMPHIBIANS (Land Animals).
		Permian.....	
		Coal Measures.....	
		Conglomerate Measures	
LOWER CARBON- IFEROUS.....	LOWER CARBON- IFEROUS.....	Carboniferous Lime- stone.....	FISHES (Marine Verte- brates).
		Catskill (Waverly).....	
PALÆOZOIC..	DEVONIAN.....	Chemung.....	MARINE INVER- TEBRATES.
		Hamilton.....	
		Corniferous.....	
		Oriskany.....	
		Helderberg.....	
SILURIAN, (Upper Silurian).	SILURIAN, (Upper Silurian).	Salina.....	MARINE INVER- TEBRATES.
		Niagara.....	
		Trenton.....	
		Canadian.....	
CAMBRIAN, (Lower Silurian).	CAMBRIAN, (Lower Silurian).	Primordial.....	PROTOZOANS.
		Huronian.....	
EOZOIC.....	LAUBENTIAN.....	(Undivided).....	PROTOZOANS.
		(Undivided).....	