

# CLASSIFICATION OF STRATA

TABLE IV

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This classification of the known rocks of the earth's crust shows the complete geological history divided into three great *eras*, the Eozoic (meaning "dawn of life"), Palæozoic ("ancient life") and Neozoic ("new life"). The eras are divided into *periods* and the latter are divided into *epochs*. The mass of rock of an era is known as a *group*, the rocks of each period a *system*, and those of an epoch are referred to as a *series*. The strata are shown in correct sequence, the oldest (those in the Eozoic group) being at the bottom of the table.

Group or Era.	System or Period.	Series or Epoch.	Building Stones, Slates, Marbles, Granites, Limes, etc., Found.
NEOZOIC	Post-pliocene	Recent Strata	...
		Glacial Beds	...
		Forest Bed	...
	Pliocene	Norwich Crag	Gravels.
		Red Crag	
	Miocene	Caralline Crag	...
		...	
	Oligocene	Hamstead Beds	Clays and sands.
		Bembridge Beds	
		Osborne Beds	
Headon Beds			
Eocene	Bagshot Beds	Clays, sands and gravels.	
	Barton Clay		
	Bracklesham Beds		
	London Clay		
	Woolwich Beds		
Cretaceous	Thanet Sands	...	
	Upper Cretaceous		
	Middle Cretaceous		
	Lower Cretaceous		
Jurassic	Upper Oölites	Beer Limestone. Kentish Rag Stone. Portland Limestone. Limestone yielding lime. Limestones, including Bladon. Limestones, including Ancaster, Clipsham and the Bath (Monk's Park, etc.) Limestones.	
	Middle Oölites		
	Lower Oölites		
Triassic	Lias	Limestones, including Blue Lias Stone yielding lime (see p. 20).	
	Rhætic		
Triassic	Keuper	Sandstones, including Hollington and Red Runcorn. Sandstones, including Corsehill, St. Bees, Shawk and Woolton.	
	Bunter		

Group or Era.	System or Period.	Series or Epoch.	Building Stones, Slates, Marbles, Granites, Limes, etc., Found.
PALÆOZOIC	Permian	Upper Permian	Sandstones, including Lazonby. Magnesian Limestones, including Anston, Linby and Park Nook. Magnesian Sandstones, including Red and White Mansfield.
		Middle Permian	
		Lower Permian	
	Carboniferous	Coal Measures	Sandstones, including Appleton, Appley Bridge, Brackenhill, Heworth Burn, Springwell, Thornton Blue and Woodkirk. Sandstones, including Berristall, Bolton Woods, Bramley Fall, Dungeons, Dunn House, Endcliffe, Guiseley, Longridge, Stancliffe, Stanton Park and Wellfield.
		Millstone Grit	
	Devonian	Yoredale Beds	English Marbles, including Hopton-Wood. Limestone yielding lime. Slates, including Cornish (Delabole). Sandstones, used locally in Gloucestershire, Northumberland, etc. (see p. 89). Limestones, including Radford. English Marbles, including Ashburton.
		Carboniferous Limestone	
	Silurian	Upper Devonian	...
		Old Red Sandstone	
		Middle Devonian	
Ordovician	Lower Devonian	Welsh Slates, including Corwen and Llangollen. ...	
	Ludlow Beds		
	Wenlock Beds		
Cambrian	Llandovery Beds	Welsh Slates, including Festiniog and Precelly. Lake District Slates, including Buttermere, Honister, Elterwater, Kentmere and Tilberthwaite; also Burlington Quarry. ...	
	Bala Beds		
	Llandeilo Beds		
Pre-Cambrian	Arenig Beds	Welsh Slates, including Bangor, Dinorwic and Penrhyn. ...	
	Olenus Beds		
Eozoic	Paradoxides Beds	Mainly igneous (including Granites, see Table III). Scottish Slates from Argyll, Dumbarton and Perth. ...	
	Olenellus Beds		