and, among others, for the profusion of nummulites in association with shells characteristic of the Fontainebleau Sands. This association has obliterated one of the supposed distinguishing characters of the beds above and below the gypseous series, for nummulites have never been traced in Belgium, French Flanders, England, or Germany, above the zone of *Cerithium plicatum*, or if so, in extremely small numbers, and as exceptional cases. It was also thought by many geologists that the principal upheaval or disturbing movements of the Alps occurred exactly between the Lower and Middle Tertiary, or between the Eocene and Miocene epochs, as usually defined in France, whereas the plentiful occurrence of characteristic "Middle Tertiary" shells in the Diablerets, proves that the greatest movements of the Alps belonged to an epoch subsequent to the establishment of the *Cerithium plicatum* and many contemporary species in the Tertiary seas.

I am not yet prepared to divide the Miocene strata of Europe into Upper, Middle, and Lower, although the time is not far distant when such a subdivision will become necessary and possible. Meanwhile, the following modification of the Table at pp. 104, 105, is proposed, consisting simply of a substitution of the term "Lower Miocene" for "Upper Eocene," and of a subdivision of the Middle Eocene of the same Table into two parts.

Proposed Modification of the Table of Fossiliferous Strata, pp. 104-105.

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		British Examples.	Foreign Equivalents and Synonyms.
6.	UPPER MIOCENE.	Wanting in the British Isles.	Faluns of Touraine, p. 175. Bolderberg Strata in Belgium, p. 178. Sansans, near Pyrences, South of France. Basin of Vienna, p. 179.
6.	LOWER MIOCENE,	Hempstead Beds, Isle of Wight, p. 192.	Gràs de Fontainebleau, p. 194. Calcaire de la Beauce, <i>Ibid.</i> Mayence basin, p. 190. Limburg beds, Belgium, p. 188. "Oligocene" strata of North Ger- many. Nebraska beds in United States, p. 206.
7 A.	UPPER EOCENE.	 Bembridge Beds, Isle of Wight, p. 208. Osborne Series, p. 210. Headon Series. <i>Ibid.</i> Barton Clay, p. 212. 	 Gypscous Series of Montmartro, p. 223. & S. Calcairo Silicoux, p. 225; or Travertin inférieur. Grès de Beauchamp, or Sables Moyeus, p. 226. Lacken beds, Belgium.
7 R	MIDDLE BOCENE.	 Bagshot and Bracklesham Beds, p. 213. Wanting. 	1. Calcaire Grossier of Paris basin, p. 226. 2. Upper Solssonnals, Sands of Cuisse-Lamotte, p. 228. 1 & 2. Nummulitic formation of
8. I	OWER EOCENE.	As in the table, p. 105.	L Europe, Asia, &c., p. 229.

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