

## CHAPTER XII.—THE LLANDOVERY SERIES: LOWER LLANDOVERY ROCKS.

	PAGE		PAGE
History . . . . .	89	Faunal relationship between Caradoc and Llandovery . . . . .	93
Unconformity between Lower and Upper Llandovery . . . . .	89	Geographical analysis of Llandovery species . . . . .	93
Llandovery fauna . . . . .	89	Palæontology of Lower Llandovery rocks . . . . .	95
Distribution of Lower Llandovery rocks, and value of the fauna . . . . .	91		
Passage beds . . . . .	92		

## CHAPTER XIII.—UPPER SILURIAN SERIES.

Geographical distribution . . . . .	98	Relation between Upper and Lower Llandovery species . . . . .	101
Unconformity between the Upper and Lower Silurian . . . . .	99	Characteristic fossils . . . . .	101
Subdivisions of the Upper Silurian series . . . . .	100	Palæontology of the Upper Llandovery beds . . . . .	102
Local distribution . . . . .	100		

## CHAPTER XIV.—THE WENLOCK GROUP.

Faunal value and geographical distribution of species . . . . .	107	Woolhope limestone and shale, physical conditions and palæontology of . . . . .	109
Tarannon shales, distribution and fauna . . . . .	107	Characteristic Woolhope fossils . . . . .	112
Denbighshire grits and their fauna . . . . .	108		

## CHAPTER XV.—THE WENLOCK LIMESTONE.

Wenlock shale . . . . .	113	Foreign equivalents . . . . .	120
Characteristic Upper Wenlock fossils . . . . .	113	Identity of British and American Silurian life . . . . .	121
Palæontology of the Wenlock rocks . . . . .	115		

## CHAPTER XVI.—THE LUDLOW GROUP.

Range and fauna . . . . .	123	Upper Ludlow series—physical conditions and range . . . . .	127
Lower Ludlow series—physical conditions . . . . .	124	Fauna . . . . .	128
Numerical estimate of fauna . . . . .	125	Ludlow bone-bed . . . . .	129
Characteristic Lower Ludlow species . . . . .	125	Tile-stones—transition beds . . . . .	130
The Aymestry limestone and its fauna . . . . .	125	Ledbury shales . . . . .	130

## CHAPTER XVII.—PALEONTOLOGY OF THE LUDLOW ROCKS.

Numerical value of fauna . . . . .	131	Tabular view of Cambrian and Silurian strata, with physical and palæontological details . . . . .	139-141
Palæontology in detail . . . . .	132		
First appearance of fishes . . . . .	138		
GENERAL TABLES of the ORGANIC REMAINS of the LOWER PALEOZOIC STRATA . . . . .			
Summary of Lower Palæozoic life . . . . .			142-149 150