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CLASSIFIED LIST OF ORGANIC REMAINS FROM THE ROCKS OF THE EAST RIDING OF YORKSHIRE.

HENRY C. DRAKE and THOMAS SHEPPARD

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Notes

CLASSIFIED LIST OF ORGANIC REMAINS FROM THE ROCKS OF THE
EAST RIDING OF YORKSHIRE.

BY HENRY C. DRAKE, F.G.S., AND THOMAS SHEPPARD, F.G.S.

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This list has been compiled in order to aid future workers amongst the rocks of the East Riding by placing in a convenient and compact form all the various and scattered records that have been published. In addition, a number of species is now placed on record for the first time.

In the case of some of the beds which have been described, and from which lists of fossils have been published over and over again, the latest complete list in each instance has been recorded. In this way errors of former lists do not now find a place (unless the errors are indicated).

In the same way the question of nomenclature has to a large extent been simplified, as the more recent lists are usually the more up to date as regards the names. The present compilers have not, of course, attempted the almost hopeless task of endeavouring to give to each species recorded the name which, for the moment, is considered to be the correct one. Had this been done, many names in the following tables would only with difficulty be identified with those in the previously published lists.

By means of the following lists not only is it easy to ascertain whether a given species has been previously recorded for a given stratum, or in a given area, but a reference to the authority and the place of publication is also given.

By the "East Riding" the Parliamentary division is referred to, i.e., the area south of Filey ravine, south-east of York, and east of Selby.

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 5

It would be useful if similar lists were prepared for other divisions of the county.

The lists are given under the following heads, and at the beginning of each is a bibliography :—

- 1.—Post-glacial, including beds of silt, peat, and old lacustrine deposits, resting upon the Boulder Clay.
- 2.—Glacial, including boulder clay, the basement portion of which is fossiliferous ; the so-called “ Bridlington Crag ” ; the so-called “ interglacial ” gravels of Holderness ; and the deposits at Elloughton and Bielbecks.
- 3.—Pre-glacial, the deposits beneath the Boulder Clay at Hessle and Sewerby.
- 4.—The Upper Chalk of Flamborough Head and The Wolds.
- 5.—The Middle Chalk of Flamborough Head and The Wolds.
- 6.—The Lower Chalk at Speeton, Melton Bottoms, and in the railway cuttings near South Cave.
- 7.—The Red Chalk exposed at Speeton, Melton, Welton, and the South Cave railway cuttings.
- 8.—The Speeton Clay.
- 9.—The Portlandian of Judd at Speeton.
- 10.—The Kimeridge Clay at Speeton.
- 11.—The Corallian Rocks at Langton Wold, North Grims-ton, and Settrington.
- 12.—The Oxford Clay at South Cave.
- 13.—The Kellaways Rock in the cutting at South Cave.
- 14.—The Millepore Oolite at South Cave.
- 15.—The Lias (Upper, Middle, and Lower) exposed near Market Weighton and North and South Cave.

6 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

POST-GLACIAL.

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DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 15

GLACIAL.

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16 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Kelsey Hill.	Burstick.	Brandes-burton.	Ellough-ton.	Bielbecks.	Other Localities.
VERTEBRATA.						
<i>Elephas primigenius</i> (mammoth) ...	1	8, 10	1	9, 10	7	Hessle and all along the coast, 9; Middleton, 6; Pocklington, 6.
" <i>antiquus</i> ...	...	...	...	9, 10	...	
" sp. ? ...	...	...	...	...	15	
<i>Cervus tarandus</i> (reindeer) ...	1	...	...	9, 10	...	
" <i>megaceros</i> (Irish "elk") ...	...	8, 10	...	...	7	
" <i>elaphus</i> (red deer) ...	...	8, 10	...	...	9	
" sp. ...	...	...	...	...	15	Pocklington, 6.
<i>Bison priscus</i> ...	1, 9	9	...	9, 10	7	Middleton, 6.
<i>Bos primigenius</i> ...	...	8, 10	...	9, 10	...	
" <i>taurus</i> (ox) ...	...	8, 10	...	...	...	
" sp. ? ...	...	...	...	...	15	
<i>Equus caballus</i> (horse) ...	...	...	...	9, 10	9	Settrington, 6.
" sp. ? ...	...	...	...	...	7	
<i>Rhinoceros leptorhinus</i> ...	1	...	...	...	...	
" <i>lichorhinus</i> (= <i>antiquitatis</i>) ...	...	...	...	...	7	
" sp. ? ...	...	...	...	...	9	
<i>Felis spelæa</i> (lion) ...	...	...	...	...	7, 9	Dimlington, 9.
<i>Canis lupus</i> (wolf) ...	...	...	...	...	7	
<i>Hyæna</i> sp. ...	...	10	...	...	...	
<i>Trichechus rosmarus</i> (walrus) ...	1, 9	...	...	...	...	
INSECTA (Coleoptera).						
<i>Chrysomela</i> sp. ...	...	...	...	...	7	
<i>Donacia</i> sp. ? ...	...	...	...	...	15	
<i>Hister</i> sp. ? ...	...	...	...	...	15	

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 17

[illegible]

B

18 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Bridlington.	Dimlington.	Kelsey Hill.	Burswick.	Other Localities.
VERTEBRATA.					
(Probably those at Bridlington and Dimlington are derived from Crag, Eocene, or older Rocks).					
<i>Carcharodon</i> (teeth), and other sharks ...	1, 3	...	...	...	
<i>Chrysophrys</i> (teeth) ...	1, 3	...	...	...	
<i>Lamna subulata</i> , Ag. (teeth) ...	1	...	...	...	
" sp. ...	1, 3	...	...	...	
<i>Myliobatis</i> (teeth) ...	1, 3	...	...	...	
<i>Notidamus microdon</i> , Ag. (teeth) ...	1, 3	...	...	...	
<i>Oxyrhina</i> (teeth) ...	1, 3	...	...	...	
<i>Platax woodwardi</i> ? Ag. ...	1, 3	...	...	...	
<i>Raja batis</i> , Mont. (teeth) ...	1, 3	...	...	...	
Otoliths of Gadoid fish ...	1, 3	...	...	...	
Fish vertebrae... ..	1, 3	...	1, 9	...	
<i>Plesiosaurus</i>	1	...	...	...	
Ruminant, fragment of tooth ...	1, 3	...	...	...	
<i>Ursus arctos</i>	1, 13, 9	...	...	...	
ECHINODERMATA.					
Undetermined spines, &c. ...	3, 1, 4	1	2	...	
<i>Echinocardium</i> (<i>Amphidetus</i>) <i>cordatus</i> , Penn. ...	6	...	...	...	
<i>Strongylocentrotus drobachienensis</i> , Müller ...	6	...	...	...	

20 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Bridlington.	Dimlington.	Kelsey Hill.	Burstwick.	Other Localities.
POLYZOA.					
Undetermined	4, 1	...	2	...	
An Escharoid Polyzoon	...	...		...	
BRACHIOPODA.					
<i>Crania</i> sp.	...	...	...	...	5 Kelk.
<i>Rhynchonella psittacea</i> , Chemn.	3, 5, 1, 7	...	2	...	
<i>Terebratula caput-serpentis</i>	...	...		...	
LAMELIBRANCHIATA.					
<i>Anomia ephippium</i> , L.	3, 1, 5, 7	1	2, 1	...	
" " var. <i>aculeata</i>	3, 1, 5	...	...	...	
" " var. <i>squamula</i>	3, 1, 5	...	...	...	
<i>Astarte borealis</i> , Chemn.	3, 5, 1, 7	1	1	8	5 Kelk, 1 Barf Hill.
" " var. <i>mutabile</i>	3, 5, 1, 7	1	...	...	
" " var. <i>whithami</i>	3, 5, 1, 7	1	...	...	
" " <i>compressa</i> , Mont.	3, 5, 1, 7	1	2, 1	...	
" " var. <i>striata</i>	5, 1	1	...	...	
" " <i>depressa</i> , Brown	5, 1	1	...	...	
" " <i>sulcata</i> , da'C.	3, 5, 1, 7	1	...	...	
" " var. <i>elliptica</i>	3, 5, 1, 7	1	...	...	
<i>Actinopsis orbiculata</i> , G. O. Sars	3, 5, 1	...	...	...	
<i>Cardita borealis</i> , Conrad = <i>Cyclocardia borealis</i>	3, 5, 1, 7	...	2	...	
<i>Cardium echinatum</i> , L.	...	?	...	...	
" " <i>edule</i> , L.	5, 7, 1	1	2, 1	8	5 Kelk, 1 Barf Hill.
" " <i>grœnlandicum</i> , Chemn.	3, 5, 1	1	...	...	

<i>Cardium islandicum</i> , L.	...	3, 5, 1, 7	1	...	...	1 Barf Hill, Burshall.
" <i>exiguum</i> , Gmel.	...	...	...	1	...	
<i>Corbula gibba</i> , Olivi.	...	3, 5, 1, 7	...	1	...	
" <i>pusilla</i> , Philippi.	...	3, 5, 1	...	...	...	
<i>Crenella decussata</i> , Mont.	...	3, 5, 1	1	1	8	5 Brandesburton, etc., Kelk, Kilham, and Keyingham.
<i>Cyprina islandica</i> , L.	...	3, 5, 1, 7	...	...	...	
<i>Cyrena</i> (<i>Corbicula</i>) <i>fluminalis</i> , Müll.	...	...	...	1	8	
<i>Donax vittatus</i> , da'C.	...	5, 7, 1	...	1	...	
<i>Leda intermedia</i> , M. Sars	...	3, 5, 1	...	...	...	
" <i>lenticula</i> , Möll.	...	3, 5, 1	...	...	...	
" <i>limatula</i> , Say.	...	3, 5, 1, 7	...	...	...	
" <i>minuta</i> , Müll.	...	3, 5, 1, 7	...	...	...	
" var. <i>buccata</i>	...	5, 1, 7	1	...	...	
" <i>pernula</i> , Müll.	...	5, 1	...	...	...	
" <i>tenuis</i> ...	...	3, 5, 1	...	...	...	
<i>Lutraria elliptica</i> , Lam.	...	...	...	...	...	
<i>Macra solida</i> , L., var. <i>elliptica</i>	...	3, 5, 1, 7	1	1	8	
" <i>subtruncata</i> , da'C.	...	...	...	1	8	5 Kelk.
" <i>ovata</i> ...	...	...	...	...	...	1 Barf Hill.
" <i>ovalis</i> ...	...	...	...	...	...	
<i>Montacuta dawsoni</i> , Jeffreys	...	3, 1, 5, 7	...	...	...	
<i>Nya arenaria</i> , L.	...	5, 7	...	...	...	
" <i>truncata</i> , L.	...	3, 5, 1, 7	1	1	8	5 Kelk, Nafferton, Barf Hill.
" var. <i>uddevalensis</i>	...	3, 5, 1	...	1	...	
<i>Mytilus edulis</i> , L.	...	3, 1, 5, 7	...	...	8	5 Kilham, Nafferton.
" <i>modiolus</i> , L.	...	5, 1, 7	1	...	...	
<i>Nucula cobboldiae</i> , Leathes	...	3, 1, 5, 7	1	...	...	
" <i>tenuis</i> , Mont.	...	5, 1, 7	...	...	...	
" var. <i>inflata</i>	...	5, 1	...	...	...	
" <i>nucleus</i> , L.	...	3, 1, 5	...	1	...	
<i>Pecten islandicus</i> , Müller	...	3, 1, 5, 7	1	1	...	
" <i>opercularis</i> , L.	...	3, 1, 5	...	...	...	
" <i>pes-lutre</i> , L.	...	3, 1, 5	...	...	...	
<i>Pectunculus glycymeris</i> , L.	...	3, 1, 5, 7	...	...	...	
<i>Pholas crispata</i> , L.	...	3, 1, 5, 7	1	1, 2	8	5 Kelk, 1 Barf Hill.

22 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Bridlington.	Dillington.	Kelsey Hill.	Burstock.	Other Localities.
<i>Saxicava norvegica</i> , Spengler	...	1	...	...	
" <i>rugosa</i> , L. ...	5, 1, 7	1	...	...	
" <i>arctica</i> , L. ...	5, 1, 7	...	1	...	
<i>Solen ensis</i> , L. ...	...	...	...	...	
" <i>siliqua</i> ? L. ...	3, 5	...	...	...	
<i>Tellina balthica</i> , L. ...	...	1	1, 2	8	5 Kelk, Kilham, Nafferton, 1 Barf Hill.
" <i>calcaria</i> , Chemn. ...	3, 1, 5, 7	...	...	...	
" <i>obliqua</i> , J. Sow. ...	3, 5, 1, 7	1	...	...	
" <i>pusilla</i> , Philippi ...	5, 1	1	1	...	
<i>Tapes decussata</i> , L. ...	3, 1, 5	...	1	8	
<i>Thracia pretensis</i> , Pult. ...	...	...	...	...	
" <i>pubescens</i> , Pult. ...	5, 1, 7	1	...	...	
<i>Venus fluctuosa</i> , Gould ...	5, 1	...	...	...	5 Kelk, 1 Barf Hill.
" <i>galina</i> , L. ...	5, 1, 7	...	1	...	
" <i>ovata</i> , Pennant ...	...	...	...	...	
<i>Ostrea edulis</i> , L. ...	3, 1, 5	...	1	8	5 Kelk, 1 Barf Hill.
<i>Scrobicularia plana</i> , da'C. ...	...	...	1	...	
SOLENOCONCHIA.					
<i>Dentalium entalis</i> , L. ...	3, 1, 7	1	1	8	
" <i>striolatum</i> , Stimpson	3, 1, 7	1	...	...	5 Kelk, 1 Barf Hill.
GASTEROPODA.					
<i>Admete viridula</i> , Fabr. ...	3, 1, 5, 7	...	...	...	
<i>Amaura sulcosa</i> , Leche ...	3, 1, 5	...	...	...	

<i>Bela turricula</i> , Mont. } = <i>Pleurotoma</i>	...	...	...	...	...
" <i>pyramidalis</i> , Str. }	...	...	...	...	...
<i>Nuccinum grælandicum</i> , Chemn. ...	...	...	...	...	...
" <i>undatum</i> , L. ...	...	...	...	...	...
<i>Bulla crebriarata</i> , Jeffr. ...	...	...	...	...	...
<i>Balium reticulatum</i> ...	...	...	...	...	...
<i>Columbella rosacea</i> , Gould ...	...	...	...	...	...
<i>Cylichna alba</i> , Brown ...	...	...	...	...	...
" <i>sculpta</i> , Leche ...	...	...	...	...	...
<i>Fusus curtus</i> , Jeffr. ...	...	...	...	...	...
" " <i>var. expansa</i> ...	...	...	...	...	...
" <i>despectus</i> , L. ...	...	...	...	...	...
" <i>kroyeri</i> , Müll. ...	...	...	...	...	...
" <i>leckenbyi</i> , S. V. Wood ...	...	...	...	...	...
" <i>propinquus</i> , Alder ...	...	...	...	...	...
" <i>sarsi</i> , Jeffr. ...	...	...	...	...	...
" <i>spitzbergensis</i> , Reeve ...	...	...	...	...	...
<i>Gibbula cineraria</i> , L. ...	...	...	...	...	...
<i>Hydrobia ulvae</i> , Pen. ...	...	...	...	...	...
<i>Lacuna divaricata</i> , Fabr. = <i>Epheria divaricata</i>	...	...	...	...	...
" <i>crassior</i> , Mont. ...	...	...	...	...	...
<i>Lepeta cæca</i> , Müll. ...	...	...	...	...	...
<i>Hima incrassata</i> , Müll. ...	...	...	...	...	...
<i>Littorina globosa</i> , Jeffr. ...	...	...	...	...	...
" <i>littorea</i> , L. ...	...	...	...	...	...
" <i>obtusata</i> , L. ...	...	...	...	...	...
" " <i>var.</i> ...	...	...	...	...	...
" <i>squalida</i> , B. & S. ...	...	...	...	...	...
" <i>rudis</i> , Maton. ...	...	...	...	...	...
<i>Murex erinaceus</i> , L. ...	...	...	...	...	...
<i>Menestho albula</i> , Fab. ...	...	...	...	...	...
<i>Nassa reticulata</i> , L. ...	...	...	...	...	...
<i>Natica affinis</i> , Gmel. ...	...	...	...	...	...
" <i>var. occlusa</i> ...	...	...	...	...	...
" <i>alderi</i> , Forbes ...	...	...	...	...	...
" <i>catena</i> , da'C. ...	...	...	...	...	...
" <i>grælandica</i> , Beck ...	...	...	...	...	...

5 Kelk, 1 Barf Hill.

24 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Bridlington.	Dillington.	Kelsey Hill.	Burswick.	Other Localities.
<i>Natica lactea</i> , Goulding	...	1	2	...	
" <i>islandica</i> , Gmel.	3, 1, 5, 7	...	1	...	
" <i>clausa</i> , B. & S.	5, 7, 1	...	2, 1	8	
" <i>montacuti</i> , Forbes	3, 5, 1	...	...	...	
<i>Odostomia conspicua</i> , Alder	...	...	2	...	
<i>Paludestrina ulvae</i> , Pen.	3, 5, 1	...	...	...	
<i>Pleurotoma bicarinata</i> , Couth.	3, 5, 1, 7	...	...	...	
" var. <i>violacea</i>	3, 5, 1	...	...	...	
" <i>decussata</i> , Couth.	5, 1	...	...	...	
" var.	3, 5, 1, 7	...	...	...	
" <i>elegans</i> , Möll.	3, 5, 1, 7	...	...	...	
" <i>exarata</i> , Möll.	3, 5, 1, 7	...	...	...	
" <i>harpularia</i> , Couth.	5, 7, 1	...	...	...	
" <i>multistriata</i> , Jeffr.	3, 5, 1	...	...	...	
" <i>nebula</i> , Mont.	...	...	1	...	
" <i>pyramidalis</i> , Str.	5, 7, 1	1	1, 2	...	
" <i>simplex</i> , Midd.	3, 1, 5	...	...	...	
" <i>trevelyana</i> , Tur.	5, 1, 7	...	...	...	
" <i>turricula</i> , Mont.	3, 1, 5, 7	1	1, 2	8	
" var. <i>dousoni</i>	5, 1	...	...	...	
<i>Patella vulgata</i> , L.	...	...	2	...	
<i>Puncturella noachina</i> , L.	3, 1, 5, 7	...	...	...	
<i>Purpura lapillus</i> , L.	3, 1, 5, 7	...	1, 2	8	5 Kelk, 1 Barf Hill.
<i>Retusa obtusa</i> , Mont.	...	...	2	...	
<i>Rissoa subperforata</i> , Jeffr.	3, 5, 1	...	...	...	
" <i>striata</i> , Adams	3	...	...	...	
" <i>semistriata</i> , Mont.	3	...	...	...	
" <i>parva</i> , da Costa, and var. <i>interrupta</i>	3, 1, 5	...	...	...	
" <i>costata</i> , Adams	3	...	...	...	
" <i>uyville-thomsoni</i> , Jeffr.	3, 1, 5	...	...	...	

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 25

<i>Rissoa wyville-thomsoni</i> , var. ...	1, 5	...	1	...	...
" <i>labiosa</i> , Mont. ...	3, 1, 5, 7	...	1	...	...
<i>Scalania grenlandica</i> , Chemn. ...	3, 1, 5, 7	...	...	...	...
<i>Trichotropta borealis</i> , B. & S. ...	3, 1, 5	...	...	...	...
<i>Trochus cinereus</i> , Couth. ...	3, 1, 5	...	1	...	...
" <i>cinereus</i> , L. Chemn. ...	3, 1, 5	...	...	...	...
" <i>granlandicus</i> , ...	3, 1, 5	...	...	...	...
" <i>varicosus</i> , M. & A. ...	3, 7, 1, 5	...	...	...	...
" <i>zizyphinus</i> , L. ...	3, 1, 5	...	...	...	...
<i>Trophon clathratus</i> , L. (= <i>Boreotrophon</i>) ...	3, 1, 5, 7	...	2, 1	...	...
" " var. <i>gunneri</i> ...	3, 1, 5	...	...	...	...
" " var. <i>truncata</i> ...	3, 1, 5, 7	...	...	...	...
" <i>antiquus</i> , L. ...	...	...	1	...	...
" <i>bamffius</i> , Mont. = <i>truncatus</i> ...	...	...	1	...	...
" <i>fabricii</i> , Beck. ...	5, 1, 7	...	...	...	...
" <i>gracilis</i> , da C. ...	...	...	1	...	...
" <i>latericeus</i> , Müll. ...	5, 1, 7	...	...	...	...
" <i>scalariformis</i> , Gould = <i>clathratus</i> ...	...	...	1	...	...
<i>Turritella erosa</i> , Couth. ...	3, 1, 5, 7	...	...	...	...
" <i>terebra</i> , L. ...	5, 1, 7	...	1	...	...
" " ...	...	...	1	...	...
<i>Turbella parva</i> , da Costa = <i>Rissoa parva</i> ...	...	...	2	...	...
<i>Utriculus constrictus</i> , Jeffr. ...	3, 1, 5	...	...	...	...
" <i>obtus</i> , Mont., var. <i>pertenuis</i> ...	5, 1, 3	...	...	...	...
<i>Velutina undata</i> , J. Smith ...	...	...	1	...	...
FORAMINIFERA.					
<i>Biloculina elongata</i> d'Orb. ...	1, 5	...	...	...	...
" <i>ringens</i> Lam. ...	1, 3, 5, 12	...	...	...	...
<i>Bulimina marginata</i> d'Orb. ...	...	...	...	...	...
<i>Cassidulina crassa</i> , d'Orb. ...	1, 5	...	...	...	...
" <i>laevigata</i> , d'Orb. ...	1, 3, 4, 5, 12	...	...	...	...
<i>Cornuspira foliacea</i> , Ph. ...	1, 4, 5, 12	...	...	...	...
<i>Cristellaria cultrata</i> , Mont. ...	1, 5, 12	...	...	...	...
" <i>acutauricularis</i> , F. & M. ...	4	...	...	...	...
<i>Dentalina brevis</i> , d'Orb. ...	1, 5, 12	...	...	...	...
" <i>communis</i> , d'Orb. ...	1, 3, 4, 5, 12	...	...	...	...
" <i>pauperata</i> , d'Orb. ...	1, 5	...	...	...	...

26 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Bridlington.	Dillington.	Kelsey Hill.	Burswick.	Other Localities.
<i>Gaudryina pupoides</i> , d'Orb.	...	...	...	...	...
<i>Glandulina laevigata</i> , d'Orb.	1, 3, 5	...	...	...	...
" " var. <i>rotundata</i>	1, 3, 5	...	...	...	...
" " var. <i>æqualis</i>	1, 3, 5	...	...	...	...
<i>Globigerina bulloides</i> , d'Orb.	...	1	...	...	...
<i>Lagena globosa</i> , Mont.	1, 3, 5	...	...	...	...
" <i>laevigata</i> , Reuss.	1, 5	...	...	...	...
" <i>levis</i> , Mont.	1, 3, 5, 12	...	...	...	...
" <i>squamosa</i> , Mont.	1, 3, 5, 12	...	...	...	...
" <i>subcata</i> , W. & J.	1, 5	1	...	...	...
<i>Miliolina seminulum</i> , L.	4	1	...	...	...
" <i>oblonga</i> , Mont.	1, 5	1	...	...	...
<i>Nonionina depressula</i> , W. & J.	1, 3, 4, 5	...	...	...	...
" <i>orbicularis</i> ? Brady	1, 5, 12	...	...	...	...
" <i>scapha</i> , F. & M.	1, 3, 5	...	...	...	...
<i>Polymorphina compressa</i> , d'Orb.	1, 3, 5, 12	...	...	...	...
" <i>lactea</i> , W. & J.	4	1	...	...	...
" <i>lanceolata</i> , Reuss.	1, 5	...	...	...	...
" <i>thouini</i> , d'Orb.	...	1	...	...	...
<i>Polysiomella crispa</i> , L.	...	1	...	...	...
" <i>striato-punctata</i> , F. & M.	1, 3, 4, 5, 12	1	...	...	...
<i>Pulvinulina karsteni</i> , Reuss.	1, 3, 5	...	...	...	...
<i>Quinqueloculina seminulum</i> , L.	3, 1, 5, 12	...	...	...	...
" <i>triangularis</i> , d'Orb.	5, 1, 12	1	...	...	...
<i>Rotalia beccarii</i> , L.	5, 1, 12	...	...	...	...
<i>Triboculina oblonga</i> , Mont.	...	1	...	...	...
<i>Uvigerina angulosa</i> , Williamson	...	...	...	...	...
<i>Vaginulina laevigata</i> , Roemer	1	...	...	...	...
" <i>lequeni</i> , L.	1	...	...	...	...
<i>Truncatulina lobatula</i> , W. & J.	3, 4, 5, 12	...	...	...	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 27

PRE-GLACIAL.

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NAME.	Sewerby.	Hessle.	Speeton.
MAMMALIA.			
<i>Elephas</i> (? <i>primigenius</i>)	2	4	...
" <i>antiquus</i>	1	...	...
<i>Rhinoceros leptorhinus</i>	1	...	...
" sp.	...	4	...
<i>Hippopotamus amphibius</i>	1	...	...
<i>Equus caballus</i>	...	4	...
" sp.	2	...	...
<i>Cervus elaphus</i>	...	4	...
" <i>tarandus</i>	...	4, 5	...
" (? <i>megaceros</i>)	1	...	...
<i>Bison</i> sp.	1	...	...
<i>Hyaena crocata</i> var. <i>spelæo</i>	1	...	...
" sp.	...	4	...
<i>Arvicola amphibius</i>	1	...	...
AVES.			
Birds	1	...	...
REPTILIA.			
Snake	2	...	...
PISCES.			
<i>Gadus morrhua</i> (cod)	1	...	...
MOLLUSCA.			
<i>Helix hispida</i>	1	...	...
" <i>pulchella</i>	1	...	...
" sp.	3	...	...
<i>Pupa marginata</i> = <i>P. muscorum</i>	3	...	...
<i>Zua lubrica</i> = <i>Z. subcylindrica</i>	1	...	...
<i>Purpura lapillus</i>	1	...	...
<i>Littorina littorea</i>	1	...	1
" <i>rudis</i>	...	...	1
<i>Ostrea edulis</i> var.	1	...	...
<i>Mytilus edulis</i>	1	...	1
<i>Pholas</i>	1	...	...
<i>Saxicava</i>	1	...	...
<i>Tellina balthica</i>	...	...	1
<i>Scrobicularia piperata</i>	...	...	1
<i>Cardium edule</i>	...	...	1
<i>Hydrobia ulvæ</i>	...	...	1
<i>Utriculus obtusus</i> var. <i>pertenuis</i>	...	...	1

28 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

THE UPPER, MIDDLE AND LOWER CHALK.

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DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 29

UPPER CHALK.

NAME.	Sewerby to High Stacke	Flamborough Inland to Nafferton.	Driffeld and Wolds.	Beverley District.
REPTILIA.				
<i>Mosasaurus</i> sp.	5	...	...	...
PISCES.				
<i>Ptychodus latissimus</i> , Ag. ...	...	...	2	...
<i>Scapanorhynchus raphiodon</i> , Ag. ...	3	...	...	...
<i>Oxyrhina mantelli</i> , Ag. ...	5	...	...	...
<i>Lamna appendiculata</i> , Ag. ...	5	...	...	...
<i>Notidanus microdon</i> , Ag. ...	9	...	...	...
Vertebrae of fish	...	...	...	...
CEPHALOPODA.				
<i>Ammonites</i> (<i>Desmoceras</i>) <i>pseudo-gardeni</i> , Schlüt.	...	...	...	6
„ (<i>Haploceras</i>) <i>leptophyllus</i>	...	...	...	...
? Sharpe	5, 6	...	...	...
„ sp.	4	...	...	...
„ <i>lewesiensis</i>	...	...	2	...
<i>Aptychus</i> of <i>Ammonite</i>	5	...	...	...
<i>Hamites</i> sp.	6, 3	10	6	...
<i>Scaphites binodosus</i> ? Römer ...	6, 3, 5, 1	9, 6, 8	...	...
„ <i>inflatus</i> ? Defr.	3, 5	6, 10	...	...
<i>Nautilus</i> cf. <i>darupensis</i> , Schlüt. ...	6	...	...	...
„ <i>laevigatus</i>	...	...	2	...
„ <i>grossouvrei</i>	...	...	7, 10	...
<i>Crioceras williamsoni</i> , Phil.	1	...	...	...
<i>Belemnitella granulata</i> , Sow.	1	...	6	6
„ <i>mucronata</i> , * Blainv.	1	...	...	...
<i>Actinocamax granulatus</i> , Blain. ...	5, 6, 8, 9	11, 6, 10	...	6
„ <i>verus</i> , Miller	6, 5, 11	11	10	6
GASTEROPODA.				
<i>Pleurotomaria perspectiva</i> , Mantell. ...	5, 6	7	2	...
LAMELLIBRANCHIATA.				
<i>Avicula tenuicostata</i> , Römer	5, 6	...	7, 14	...
„ sp.	1, 6	...	...	...
<i>Inoceramus brongniarti</i> , Sow.	1, 3, 5	2	7	...
„ <i>digitatus</i> , Sow.	...	...	2, 7	...
„ <i>involutus</i> , Sow.	...	...	7, 2	...
„ <i>lingua</i> , Goldf.	5, 11, 6	...	6, 2	6
„ <i>mytiloides</i> , Schloth.	5, 3, 6, 1	...	7	...

* Apparently recorded in error.

30 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Sewerby to High Stacks	Flamborough Inland to Narerton.	Driffeld and Wolds.	Beverley District.
<i>Inoceramus lamarcki</i> , Park. ...	5	...	...	...
„ cf. <i>undulatus</i> , Mantell. ...	5	...	...	...
„ cf. <i>cuneiformis</i> , d'Orb. ...	5	...	...	...
„ sp. ...	5, 3	...	...	...
„ <i>cuvieri</i> , Sow. ...	1, 5	...	...	...
„ <i>lobatus</i> , Sch. ...	8	9	...	...
<i>Lima hoperi</i> , Sow. ...	5, 3, 6	...	...	...
„ ? <i>granosa</i> , Goldf. ...	5	...	...	...
<i>Ostrea acutirostris</i> , Nilss. ...	3, 6	...	...	...
„ <i>vesicularis</i> , Lam. ...	3, 5, 11	...	...	...
„ <i>hippopodium</i> , Nilss. ...	5	...	...	...
„ <i>wegmanniana</i> , d'Orb. ...	5, 6	...	...	...
„ <i>proboscidea</i> , d'Arch. ...	5	...	...	...
<i>Spondylus latus</i> , Sow. ...	5, 6	...	2, 7	...
„ <i>dutempleanus</i> , d'Orb. ...	5	...	...	...
„ <i>truncatus</i> ? d'Orb. ...	...	...	2, 7	...
„ <i>gibbosus</i> ...	1, 4	...	...	...
<i>Pecten cretosus</i> , DeFr. ...	5	...	...	...
<i>Plicatula sigillina</i> , Woodward ...	5	...	...	...
<i>Anomia</i> sp. ...	...	...	2	...
<i>Dianchora striata</i> , Sow. ...	1	...	...	...
BRACHIOPODA.				
<i>Crania egnabergensis</i> , Retz. ...	6, 5	...	...	...
<i>Thecidea</i> sp. ...	5	...	...	...
<i>Kingena lima</i> , DeFr. ...	6, 5	...	7	...
<i>Terebratulina striata</i> , Davidson ...	5, 1	...	...	...
„ <i>gracilis</i> , Schloth. ...	5	...	...	9
<i>Terebratula semiglobosa</i> , Sow. ...	6, 5, 3, 1	10	7, 2	...
„ <i>carnea</i> , Sow. ...	11, 1, 5, 6, 3	...	...	...
<i>Rhynchonella plicatilis</i> , Sow. ...	11, 3, 6	...	...	...
„ <i>limbata</i> , Schloth. ...	6, 5	...	...	...
„ <i>reedensis</i> , Etherid. ...	6, 8, 5	...	...	...
„ <i>cuvieri</i> , d'Orb. ...	5, 6, 3	...	2	...
„ <i>mantelliana</i> ...	...	...	2	...
ANNELIDA.				
<i>Serpula ampullacea</i> , Sow. ...	5	...	...	...
„ <i>fluctuata</i> , Sow. ...	5	...	...	...
„ <i>granulata</i> , Sow. ...	5, 6	...	...	...
„ <i>ilium</i> , Sow. ...	5	...	...	...
„ <i>turbinella</i> , Sow. ...	5	...	...	...
„ <i>plana</i> , S. Woodward ...	5	...	...	...
CRUSTACEA.				
<i>Scalpellum maximum</i> ...	5	...	...	...
<i>Balanus</i> sp. ...	5	...	...	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 31

NAME.	Sewerby to High Stacks.	Elmborough inland to Nafferton.	Driffeld and Wolds.	Beverley District.
ECHINODERMATA.				
<i>Cardiaster ananchytis</i> , Leske. = (<i>granulosus</i>)	6, 3, 5	8	...	...
<i>Cardiaster pillula</i> , Lam.	5	6	7	...
„ <i>colteani</i> , d'Orb.	5	...	...	...
<i>Cidaris clavigera</i> , König.	6, 5	...	...	...
„ <i>hirudo</i> , Sorig.	3	...	...	...
„ <i>septifera</i> , Mantell.	6, 5	...	...	...
„ <i>subvesiculosa</i> , d'Orb.	3	2	...	...
„ sp.	8	...	...	...
<i>Cyphosoma königi</i> , Mantell.	3, 1	2	...	...
„ <i>radiatum</i> , Sorig.	6, 5	...	...	...
„ <i>corollare</i> , Klein	5	...	...	...
<i>Salenia granulosa</i> , Forbes	5	2	...	...
<i>Zeuglopleurus rowei</i> , Greg.	5	...	...	...
<i>Echinocorys scutatus</i> , Leske. (= <i>vul-</i> <i>garis</i> , Breyn.)... ..	8, 6	7	7	...
<i>Ananchytes ovatus</i> , Leske. (<i>Echino-</i> <i>corys scutatus</i> , Leske)	1, 6, 5, 8	...	...	...
„ <i>hemisphæricus</i> , Cuv. (<i>Echinocorys scutatus</i> , Leske.)	1	...	...	...
<i>Echinoconus subrotundus</i> , Mant.	1	...	...	...
„ <i>albogalerus</i> , Klein	...	...	...	Hessle 1
<i>Micraster cor-anguinum</i> , Leske.	1, 6, 5, 3	2	7	...
„ <i>cor-testudinarium</i> ? Goldf. „ <i>leskei</i> , Desm. (= <i>brevi-</i> <i>porous</i>)	3, 5, 6	2	7	...
„ <i>præcursor</i>	5	...	...	...
<i>Holaster planus</i> , Mantell.	6, 5	...	...	...
„ <i>placenta</i> , Ag.	5	...	...	...
„ <i>hemisphæricus</i> , Phil.	1	...	...	...
„ <i>trecensis</i>	2	...	...	...
<i>Offaster pillula</i> , Lam. (= <i>Cardiaster</i>) <i>Infulaster excentricus</i> , Forbes	5	...	7	...
„ <i>rostratus</i> , Forbes	6, 2	...	...	...
„ <i>rostratus</i> , Forbes	6, 5, 2	...	...	...
<i>Hemiaster minimus</i> , Ag.	5	...	...	...
<i>Pentagonaster</i> (ossicles)	6	...	...	...
<i>Marsupites testudinarius</i> , Miller (= <i>ornatus</i>)	6, 5, 8, 1	...	...	6
„ <i>levigatus</i>	...	2	...	...
<i>Uintacrinus westfalicus</i> , Sehl. [?]	6, 5, 8	...	...	...
<i>Bourgueticrinus ellipticus</i> , Miller	3, 6, 5, 1	2	...	...
„ sp.	...	2	...	...
<i>Pentacrinus</i> sp.	5, 8	...	...	...
<i>Asteroidea</i> sp.	5	...	...	...
<i>Ophiura</i> sp.	5	...	...	...

32 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Sewerby to High Stacks.	Flamborough Inland to Nafferton.	Driffeld and Wolds.	Beverley District.
ACTINOZOA.				
<i>Celosmilia laxa</i> , E. and H. ...	5	...	...	...
<i>Parasmilia centralis</i> , Mantell. ...	5, 6, 1	...	...	...
" <i>fittoni</i> , E. and H. ...	5	...	...	...
" <i>cylindrica</i> , E. and H. ...	5, 6	...	...	...
(= <i>Caryophyllia</i>) ...	5	...	...	...
" <i>granulata</i> , Duncan ...	...	...	...	...
" <i>monilis</i> , E. and H. ...	5	...	...	...
<i>Azogaster cretacea</i> , Lonsdale ...	...	...	...	...
PORIFERA.				
<i>Bolospongia constricta</i> , Hinde ...	3	...	...	...
" <i>globata</i> , Hinde ...	8	...	...	...
<i>Camerospongia capitata</i> , Toulmin Smith ...	1, 3	...	...	...
<i>Caloptychium agaricoides</i> , Goldf. ...	3, 5	...	2	...
<i>Isoraphina texta</i> , Römer ...	3, 8	...	...	...
<i>Manon marginatum</i> , Phil. ...	1, 3	...	...	...
<i>Jereica clava</i> , Lee ...	3	...	...	...
<i>Pachinon scriptum</i> , Hinde ...	3, 8	...	...	...
<i>Pachastrella convoluta</i> , Hinde ...	3, 8	...	...	...
<i>Phymatella reticulata</i> , Hinde ...	3, 8, 6	8	...	...
<i>Porosphaera globularis</i> , Phil. ...	1, 8, 6, 5, 3	...	...	...
" <i>pileolus</i> , Lam. ...	1, 8, 6, 5, 3	...	...	...
<i>Scytalia fastigiata</i> , Lee ...	3, 6, 8	...	...	...
" <i>radiciformis</i> , Phil. ...	3, 6, 8, 1	...	...	...
" <i>terebata</i> , Phil. ...	3, 1	...	...	...
<i>Scyphia pedunculata</i> , Römer ...	3	2	...	...
<i>Seliscotho planum</i> , Phil. ...	1, 6, 5, 8, 3	6, 7	7	...
" <i>explanatum</i> , Römer ...	3	...	...	...
<i>Stichophyma tumidum</i> , Hinde ...	3	...	...	...
<i>Tethyopsis cretaceus</i> , Hinde ...	3	...	...	...
<i>Turonina variabilis</i> , Mich. ...	3	...	...	...
<i>Verruculina astrea</i> , Hinde ...	3	...	...	...
" <i>miliaris</i> , Reuss ...	3, 8	...	...	...
" <i>papillata</i> , Hinde ...	3, 8, 6	...	...	...
" <i>plicata</i> , Hinde ...	3, 8	8	...	...
" <i>pustulosa</i> , Hinde ...	3, 8	...	...	...
" <i>reusii</i> , McCoy ...	3	...	...	...
<i>Ventriculites cribrosus</i> , Phil. ...	3, 5, 1, 8	6	...	...
" <i>infundibuliformis</i> , S. Wood....	3, 8	8, 2	8	6
" <i>radiatus</i> , Mantell. ...	3, 8, 6	...	...	...
" <i>impressus</i> , T. Smith...	3	...	...	...
" <i>convolutus</i> , Hinde ...	3	...	...	...
" <i>decurrens</i> , T. Smith...	3	...	...	...
<i>Plocoscyphia convoluta</i> , T. Smith...	5, 8, 9	...	...	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 33

NAME.	Sewerby to High Stacks.	Flamborough Inland to Nafferton.	Driffeld and Wolds.	Beverley District.
<i>Porochonia simplex</i> , T. Smith ...	5	...	...	...
<i>Coscinospira infundibuliformis</i> , Goldf.	5	...	...	...
<i>Guetardia stellata</i> , Mich. ...	5	...	...	...
<i>Leptophragma murchisoni</i> , Goldf....	5	...	...	...
<i>Callopegma obconicum</i> , Hinde ...	5	...	...	...
<i>Heterostinia obliqua</i> , Benett ...	5	...	...	...
<i>Siphonia königi</i> , Mantell. ...	5, 8	...	...	...
<i>Stelletta inclusa</i> ? Hinde ...	5	...	...	...
<i>Cliona cretacea</i> , Portlock ...	5	...	...	...
<i>Porosphaera globularis</i> and var. <i>nuci-</i> formis, Hinde ...	5, 8, 6, 9	...	...	...
„ <i>pileolus</i> var. <i>patellifor-</i> <i>mis</i> , Hinde ...	5, 8, 6	...	...	...
„ <i>pileolus</i> var. <i>arrecta</i> , Hinde ...	5	...	...	...
<i>Spinopora dixonii</i> , Lonsdale ...	5	...	...	...
<i>Branchiolites</i> sp.	...	2	...	...
BRYOZOA.				
<i>Cellepora zenobia</i> ?	...	2	...	...
<i>Alecto longiscata</i> ?	...	2	...	...
<i>Siphoniotyphlus plumatus</i>	...	2	...	...
FORAMINIFERA.				
Zone of <i>Holaster planus</i> .				
<i>Rhizammina</i> sp.	...	...	3	...
<i>Ammodiscus</i> sp.	...	...	3	...
Zone of <i>Micraster cor-testudinarium</i>				
<i>Ammodiscus</i> sp.	...	...	3	...
„ with shorter tube lengths... ..	...	...	3	...
<i>Rhizammina</i> sp.	...	...	3	...
Zone of <i>Micraster cor-anguinum</i> .				
<i>Ammodiscus</i> sp.	...	...	...	3
<i>Textularia</i> sp.	...	...	...	3
<i>Globigerina</i> sp.	...	...	...	3
Zone of <i>Marsupites</i> .				
<i>Rhizammina indivisa</i>	...	3	...	...
<i>Rheophaz</i> sp.	...	3	...	...
<i>Ammodiscus incertus</i>	...	3	...	...
<i>Haplophragmium</i> sp.	...	3	...	...
<i>Textularia</i> sp.	...	3	...	...
<i>Globigerina</i> sp.	...	3	...	...

34 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Sewerby to High Stacks.	Flamborough inland to Nafferton.	Driffeld and Wolds.	Beverley District.
Zone of <i>Actinocamax quadratus</i> .				
<i>Ammodiscus incertus</i>	3	...	...	...
<i>Verneuilina triquetra</i>	3	...	...	...
<i>Bulimina brevis</i>	3	...	...	...
„ <i>obtrusa</i>	3	...	...	...
<i>Cristellaria rotulata</i>	3	...	...	...
<i>Truncatulina ungeriana</i>	3	...	...	...
<i>Anomalina ammonoides</i>	3	...	...	...
<i>Pulvinulina micheliniana</i>	3	...	...	...
<i>Rotalia exculpta</i>	3	...	...	...
<i>Rhizammia algæformis</i>	3	...	...	...

MIDDLE CHALK.

NAME.	Flamborough Head and District.	Other Places.
T.G. = Zone of <i>Terebratulina gracilis</i> .		
R.C. = Zone of <i>Rhynchonella cuvieri</i> .		
PISCES.		
<i>Ichthyodectes</i> or <i>Portheus</i> sp.	...	Hessle 15
<i>Ptychodus mammillaris</i> , Ag. (R.C.)	...	9, 2, 6
CEPHALOPODA.		
<i>Belemnite</i> (<i>Actinocamax</i> sp.) (T.G.)	...	Lund 8
LAMELLIBRANCHIATA.		
<i>Inoceramus brongniarti</i> , Sow. (T.G.)	3, 2, 5	...
„ <i>cuvieri</i> , Sow. (T.G.)	3, 2	Beverley 6
„ <i>mytiloides</i> , Sow. (R.C.)	3, 2	Willerby 8, 13
„ <i>undulatus</i> , Mantell. (T.G.)	3, 2	...
„ <i>lamarcki</i> , Park (R.C.)	5	...
<i>Ostrea vesicularis</i> , Lam. (T.G.)	3	...
„ <i>hippopodium</i> , Nilss. (T.G.)	5	...
„ <i>proboscidea</i> , d'Arch. (T.G.)	5	...
<i>Spondylus fimbriatus</i> , Goldf. (T.G.)	3, 2	Beverley 6

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 35

NAME.	Flamborough Head and District.	Other Places.
GASTEROPODA.		
<i>Pleurotomaria perspectiva</i> (T.G.)	...	6
BRACHIOPODA.		
<i>Rhynchonella cuvieri</i> , d'Orb. (R.C. and T.G.)	3, 5, 2	6
„ <i>reedensis</i> , Eth. (T.G.)	5	...
<i>Terebratula semiglobosa</i> , Sow. (R.C. and T.G.)	2, 3, 5	6
„ <i>carnea</i> , Sow. (T.G.)	5	...
<i>Terebratulina striata</i> , Dav. (T.G.)	2, 3, 5	...
„ <i>gracilis</i> , Schloth. (and var. <i>lata</i>) (T.G.)	2, 3, 5	Mkt. Weight'n 9
<i>Crania egnabergensis</i> , Retz. (T.G.)	5, 6	Willerby 8, 13
<i>Kingena lima</i> , Deifr. (T.G.)	5	...
PORIFERA.		
<i>Ventriculites</i> sp. (T.G.)	...	South Cave 6, 8, 9
<i>Porosphaera globularis</i> (T.G.)	5	...
Species undetermined	...	6, 8, 9
ECHINODERMATA.		
<i>Bourqueticrinus ellipticus</i> , Mil. (T.G.)	3, 5	...
<i>Conulus subrotundus</i> , Mantell. (T.G.)	3	Hessle 13
<i>Holaster planus</i> , Mantell. (T.G.)	3	...
<i>Salenia granulata</i> , Forbes (T.G.)	3, 2	...
<i>Micraster præcursor</i> ? (T.G.)	...	Willerby and Mkt. Weight'n 13, 6, 8
<i>Echinocorys scutatus</i> (<i>Ananchytes ovatus</i>), Leske (T.G.)	...	13, 6, 8, 9
<i>Asteroidea</i> (T.G.)	5	...
POLYZOA.		
Two species on <i>Micrasters</i>	...	Willerby 13, 8
FORAMINIFERA.		
<i>Rhizammina indivisa</i> , Brady	...	Hessle 3
<i>Ammodiscus incertus</i> , d'Orb.	...	3
„ <i>gordialis</i> , J. and P.	...	3

36 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

LOWER CHALK.

NAME.	Speeton.	South Cave Cutting.	Other Places.
A.V. = Zone of <i>Ammonites varians</i> H.S. = „ <i>Holaster subglobosus</i> A.P. = „ <i>Actinocamax plenus</i>			
PISCES.			
Fish remains (all three zones)	3	3	Melton 8
CEPHALOPODA.			
<i>Acanthoceras rotomagensis</i> , DeFr. (A.V.) ...	...	3	...
„ <i>lactidavus</i> , Sharpe (H.S.)...	3	...	...
<i>Pachydiscus peramplus</i> (A.V.)	1	...	Garrowby 2
<i>Ammonites</i> sp. ?	...	...	Wharram 7
<i>Schlaenbachia varians</i> , Sow. (A.V.)...	2, 11	...	...
<i>Nautilus bouchardianus</i> (A.V.)	...	...	2
<i>Baculites baculoides</i> , Sow. (A.V.)	3	...	...
<i>Turritiles tuberculatus</i> , Bosc. (A.V.) ...	...	3	3
<i>Actinocamax plenus</i> , Blain (A.P.)...	...	...	Melton 12
„ <i>lanceolatus</i> , Sow. (H.S.)	...	3	...
<i>Belemnites minimus</i> (A.V.)... ..	3	...	...
LAMELLIBRANCHIATA.			
<i>Ostrea vesicularis</i> , Lam. (all zones) ...	3	3	3
<i>Avicula lineata</i> , Römer (H.S.)	...	...	3, 2
<i>Aucellina gryphaeoides</i> , Sow. (A.V.) ...	3	...	3
<i>Plicatula inflata</i> , Sow. (A.V. and H.S.) ...	3	3	3
<i>Pecten orbicularis</i> , Sow. (H.S.)	3	3	3
<i>Lima echinata</i> , Eth. (A.V. and H.S.) ...	3	3	...
„ <i>globosa</i> , Sow. (H.S.)... ..	...	3	...
<i>Inoceramus latus</i> , Mantell. (A.V. and H.S.)	3	3	...
„ <i>cuvieri</i> , Sow. (A.V. and H.S.)...	3	3	3
„ <i>striatus</i> , Mantell. (A.V.)	2, 11	...	...
<i>Spondylus latus</i> , Sow. (H.S.)	...	3	...
„ <i>dutempleanus</i> , d'Orb. (H.S.)	...	3	...
„ <i>striatus</i> , Sow. (H.S.)	...	3	...
BRACHIOPODA.			
<i>Kingena lima</i> , DeFr. (all zones)	3, 11	3	3
<i>Rhynchonella grasiana</i> , d'Orb.	...	3	...
„ <i>lineolata</i> , Phil.	3	...	3
„ <i>mantelliana</i> , Sow.	3	...	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 37

NAME.	Speeton.	South Cave Cutting.	Other Places.
<i>Terebratula biplicata</i> , Sow.	3, 11, 2	3	3
„ „ var. <i>faba</i> , Sow.	3	...	...
„ „ <i>semiglobosa</i>	3, 11, 2	3	3
„ „ var. <i>subundata</i> , Sow.	3, 11	...	...
„ „ <i>squamosa</i> , Sow.	3	...	...
„ „ <i>sulcifera</i> , Morris	3	...	...
„ „ <i>subundata</i> , Sow.	3	...	...
<i>Terebratulina gracilis</i> var. <i>nodulosa</i> , Eth.	3	...	...
„ „ <i>triangularis</i> ? Eth....	3	...	...
CRUSTACEA.			
<i>Glyphœa cretacea</i> ? McCoy	...	3	...
ANNELIDA.			
<i>Serpula antiquata</i> , Sow.	3	3	...
„ „ <i>umbonata</i> , Sow.	3	3	...
ECHINODERMATA.			
<i>Cidaris dissimilis</i> , Forbes	3	...	...
„ „ <i>vesiculosus</i> , Goldf.	3	...	...
<i>Cyphosoma</i> sp.	3	...	...
<i>Discoidea cylindrica</i> , Lam.	3	3	3
<i>Holaster laevis</i>	3, 8	...	...
„ „ <i>subglobosus</i> , Leske	3	3	3
„ „ <i>trecensis</i> ? Leym.	3	...	...
„ „ <i>rotundus</i>	3	3	3
<i>Peliastes stellulatus</i> , Ag.	3	...	...
<i>Pseudodiadema</i> sp.	11	...	...
FORAMINIFERA.			
<i>Rhizammina indivisa</i> , Brady	3	...	...
<i>Rheophaz nodulosa</i> , Brady	3	...	...
<i>Haplophragmium glomeratum</i> , Brady	3	...	...
<i>Ammodiscus incertus</i> , d'Orb.	3	...	...
„ „ <i>charoides</i> , J. and P.	3	...	...
<i>Trochammina</i> sp.	3	3	...
<i>Lituola placentula</i> , Chap.	3	...	...
<i>Gaudryina pupoides</i> , d'Orb.	3	...	...
„ „ <i>rugosa</i> , d'Orb.	3	...	...
„ „ sp. nov.	3	...	...
<i>Bulimina brevis</i> , d'Orb.	3	...	...
„ „ <i>presli</i> , Reuss.	3	...	...
„ „ <i>affinis</i> , d'Orb.	3	...	...
„ „ <i>obtusa</i> , d'Orb.	3	...	...
<i>Truncatulina lobatula</i> (W. and S.)... ..	3	...	...
<i>Pleurostomella</i> sp.	3	3	...

38 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

RED CHALK.

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DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 39

RED CHALK.

NAME.	Speeton.	South Cave.	Other Places.
REPTILIA.			
Tooth of Saurian	15	...	...
PISCES.			
<i>Oxyrhina mantelli</i> (tooth)	7	...	...
<i>Notidanus</i> (tooth)	6	...	...
<i>Lamna</i> sp. (vertebræ)	4, 8, 12	...	...
<i>Pachyrhizodus</i> sp. (vertebræ)	4, 12	...	...
CEPHALOPODA.			
<i>Pachydiscus peramplus</i> (see P.G.A., Jan., 1878, p. 247)	...	...	GarrowbyPk. 2
<i>Hoplites deshayesi</i> , Leym.	...	...	2 Wharram Gr. & Givendale
„ <i>auritus</i> ? Sow.	...	...	1
<i>Schlænbachia rostrata</i> , Sow.	...	1	...
„ <i>? varicosa</i> , Sow.	8	...	...
<i>Belemnites minimus</i> , Lister	1, 3, 15, 12	1, 2, 3, 9	1, 2, 3
„ <i>listeri</i> , Phil.	5, 15	...	...
„ <i>attenuatus</i> , Phil.	5	...	...
„ <i>ultimus</i>	15	...	...
<i>Nautilus elegans</i> , Sow. (? <i>albensis</i>)	...	...	1 Wharram Gr.
„ sp. (? <i>bouchardianus</i> , d'Orb.)	...	...	2 Burdale, Garrowby Pk. &c.
LAMELLIBRANCHIATA.			
<i>Avicula gryphæoides</i> , Sow.	1, 5, 15	1	2
<i>Exogyra rauliniana</i> , d'Orb. (<i>Ostrea</i> , Phillips)	10, 5	...	...
<i>Ostrea canaliculata</i> , Sow.	10, 5	...	...
„ <i>vesicularis</i> , Sow.	10	...	...
„ <i>vesiculosa</i> , Sow.	5, 10	...	...
<i>Pecten beaveri</i> , Sow.	5, 15	...	1
<i>Plicatula pectinoides</i> , Sow.	...	...	2, 10
<i>Inoceramus crispus</i> , Mantell.	1	...	...
„ <i>sulcatus</i> , Park.	10	1	1, 2
„ <i>tenuis</i> , Mantell.	11	...	...
„ <i>coquandinus</i> , Phil.	5, 15	...	...
„ <i>læviusculus</i>	15	...	...
<i>Spondylus gibbosus</i> , d'Orb.	5, 10	...	...
„ <i>striatus</i> ? Sow.	11	...	...
„ <i>latus</i>	15	...	...

40 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Speeton.	South Cave.	Other Places.
BRACHIOPODA.			
<i>Kingena lima</i> , Defr.	11	...	Whartram Gr. 1
<i>Rhynchonella lineolata</i> , Phil.	11	...	Burdale 2
„ <i>sulcata</i> , Park.	10	...	Burdale 1
„ <i>wiestii</i> , Blake	...	...	2
„ <i>latissima</i> (? <i>sulcata</i>)	10	...	10, 2
<i>Magas pumila</i> , Sow.	5	...	Burdale
<i>Terebratulula biplicata</i> , Sow.	1	1	1, 2
„ „ var. <i>dutempleana</i>	1	...	1
„ <i>capillata</i> , d'Arch.	11	1	Burdale 1, 2
„ <i>semiglobosa</i> , Sow.	1, 5, 15	1, 9	Burdale 1, 2
„ <i>sulcifera</i> ? Morris	10	...	10, 2
„ <i>subundata</i>	5	...	...
<i>Terebratulina gracilis</i> , Schloth. (Q.J.G.S., 1888)	1	...	Burdale 1
„ <i>triangularis</i> , Eth.	10	...	10
„ <i>striata</i> , Wahl. (<i>T. pentagonalis</i> , Phil.)	10, 5	...	...
„ <i>rigida</i> , Sow.	5	...	...
POLYZOA.			
<i>Proboscina dilatata</i> , d'Orb.	10, 5	...	...
<i>Ceriodora spongilis</i> , Goldf.	10, 5, 15	...	...
<i>Idmonea dilatata</i>	15	...	...
CRUSTACEA.			
<i>Pollicipes unguis</i> , Sow.	10, 5	...	...
<i>Cytherella ovata</i> , Römer	10, 5, 15	...	...
ECHINODERMATA.			
<i>Cidaris gaultina</i> , Forbes	11, 3, 5	...	2
<i>Torynocrinus rugosus</i> , Seeley	10, 3	...	2
<i>Holaster (Cardiaster) suborbicularis</i> , Defr.	10	...	Whartram Gr. 1
<i>Discoidea cylindrica</i> , Lam.	5	...	...
<i>Pentacrinus fittoni</i> , Aust.	10, 5, 3	...	2
<i>Peltastes stellulatus</i> , Ag.	5	...	...
ANNELIDA.			
<i>Serpula concava</i> , Sow.	10	...	...
„ <i>umbonata</i> , Sow.	10, 5	...	...
„ <i>solitaria</i> , Phil.	5	...	...
<i>Vermicularia elongata</i> , Bean MS.	15	...	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 41

NAME.	Speeton.	South Cave.	Other Places.
FORAMINIFERA.			
<i>Ammodiscus gordialis</i> , J. and P. ...	10	...	...
„ <i>incertus</i> , d'Orb. ...	10	...	...
„ <i>tenuis</i> , Brady ...	10	...	...
<i>Anomalina ammonoides</i> , Reuss. ...	10	...	...
„ <i>grosserugosa</i> , Gumb. ...	10	...	...
<i>Bolivina textilaroides</i> , Reuss. ...	10	...	...
„ <i>beyrichi</i> , Reuss., var. <i>alata</i> ...	10	...	...
<i>Bulimina affinis</i> , d'Orb. ...	10	...	...
„ <i>presli</i> , Reuss. ...	10	...	...
<i>Cristellaria cultrata</i> , Montf. ...	10	...	...
„ <i>rotulata</i> ...	5	...	...
„ <i>cymboides</i> , d'Orb. ...	10	...	...
„ <i>gibba</i> , d'Orb. ...	10	...	...
„ <i>italica</i> , DeFr. ...	10	...	...
„ <i>lata</i> , Reuss. ...	10	...	...
„ <i>marcki</i> , Reuss. ...	10	...	...
„ <i>multisepta</i> , Reuss. ...	10	...	...
„ <i>variabilis</i> , Reuss. ...	10	...	...
<i>Fronicularia bififormis</i> , Marsson. ...	10	...	...
„ <i>gaulteria</i> , Reuss. ...	10	...	...
<i>Gaudryina pupoides</i> , d'Orb. ...	10	...	...
<i>Globigerina bulloides</i> , d'Orb. ...	10	...	...
„ <i>cretacea</i> , d'Orb. ...	10, 5	...	...
„ <i>linneana</i> , d'Orb. ...	10	...	...
<i>Lagena apiculata</i> , Reuss. ...	10	...	...
„ var. <i>emaciata</i> , Reuss. ...	10	...	...
„ <i>cincta</i> , Leg. ...	10	...	...
„ <i>globosa</i> , Mont. ...	10	...	...
„ <i>laevis</i> , Mont. ...	10	...	...
<i>Lingulina nodosaria</i> , Reuss. ...	10	...	...
<i>Marginulina glabra</i> , d'Orb. ...	10	...	...
„ <i>inequalis</i> , Reuss. ...	10	...	...
„ <i>variabilis</i> , Neug. ...	10	...	...
<i>Nodosaria abnormis</i> , Reuss. ...	10	...	...
„ <i>brevis</i> , d'Orb. ...	10	...	...
„ (<i>Glandulina</i>) <i>candela</i> , Egger. ...	10	...	...
„ <i>calomorpha</i> , Reuss. ...	10	...	...
„ (<i>Dentalina</i>) <i>communis</i> , d'Orb. ...	10	...	...
„ (<i>Glandulina</i>) <i>cylindracea</i> , Reuss. ...	10	...	...
„ (<i>Dentalina</i>) <i>filiformis</i> , d'Orb. ...	10	...	...
„ (<i>Glandulina</i>) <i>laevigata</i> , d'Orb. ...	10	...	...
„ <i>limbata</i> , d'Orb. ...	10	...	...
„ <i>longiscata</i> , d'Orb. ...	10	...	...
„ (<i>Glandulina</i>) <i>marginulinoides</i> , Reuss. ...	10	...	...
„ (<i>Dentalina</i>) <i>mucronata</i> , Neug. ...	10	...	...
„ <i>obtussissima</i> , Reuss. ...	10	...	...
„ (<i>Dentalina</i>) <i>obscura</i> , Reuss. ...	10	...	...
„ <i>oligostega</i> , Reuss. ...	10	...	...
„ <i>prismatica</i> , Reuss. ...	10	...	...
„ <i>radicula</i> , L., var. <i>jonesi</i> , Reuss. ...	10	...	...

42 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Speeton.	South Cave.	Other Places.
<i>Nodosaria soluta</i> , Reuss.	10	...	...
<i>Orbulina universa</i> , d'Orb.	10	...	...
<i>Pleurostomella alternans</i> , Schw.	10	...	...
„ <i>subnodosa</i> , Reuss.	10	...	...
<i>Polymorphina compressa</i> , d'Orb.	10	...	...
„ <i>fusiformis</i> var. <i>horrida</i> , Reuss.	10	...	...
„ <i>gibba</i> , d'Orb.	10	...	...
„ <i>lactea</i> , W. and J.	10	...	...
„ <i>sororia</i> , Reuss.	10	...	...
<i>Polystomella macella</i> , F. and M.	10	...	...
<i>Pulvinulina menardi</i> , d'Orb.	10	...	...
<i>Ramulina aculeata</i> , Wright	10	...	...
<i>Rhabdogonium excavatum</i> , Reuss.	10	...	...
„ <i>tricarinatum</i> var. <i>acutangulum</i> , Reuss.	10	...	...
<i>Sphaeroidina bulloides</i> , d'Orb.	10	...	...
<i>Spiroloculina papyracea</i> , B. and B.	10	...	...
„ <i>tenuis</i> , Czjzek.	10	...	...
<i>Spiroplecta bififormis</i> , P. and J.	10	...	...
<i>Textularia agglutinans</i> , d'Orb.	10	...	...
„ <i>attenuata</i> , Reuss.	10	...	...
„ <i>complanata</i> , Reuss.	10	...	...
„ <i>gramen</i> , d'Orb.	10	...	...
„ <i>minuta</i> , Berth.	10	...	...
„ <i>prolonga</i> , Reuss.	10	...	...
„ <i>trochus</i> , d'Orb.	10	...	...
„ <i>turris</i> , d'Orb.	10	...	...
<i>Truncatulina variabilis</i> , d'Orb.	10	...	...
<i>Vaginulina arguta</i> , Reuss.	10	...	...
„ <i>legumen</i> , Lin.	10	...	...
„ <i>recta</i> , Reuss.	10	...	...
„ <i>truncata</i> , Reuss.	10	...	...
<i>Verneuillina propinqua</i> , Brady	10	...	...
„ <i>triquetra</i> , Münst.	10	...	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 43

SPEETON CLAY.

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44 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

SPEETON CLAY.

NAME.	Speeton.	Knapton.
THE UPPERMOST BED.		
PISCES.		
Scales of Fish	2	...
CEPHALOPODA.		
<i>Belemnites minimus</i> , List.	2, 3	...
„ <i>attenuatus</i> , Sow.	2, 3	...
„ <i>ultimus</i> , d'Orb.	2, 3	...
„ <i>ewaldi</i> , Strom.	3	...
<i>Hoplites interruptus</i> , Brug.	3, 7	...
„ <i>deshayesi</i>	8	...
„ <i>plana</i>	8	...
<i>Crioceras</i> ? <i>fassicostatum</i> , Römer	3	...
LAMELLIBRANCHIATA.		
<i>Inoceramus concentricus</i> , Park.	2	...
„ <i>sulcatus</i> var. ? Park.	2	...
„ sp. (larger form)	2	...
<i>Ostrea</i> sp.	2	...
<i>Avicula rauliniana</i> ? d'Orb.	2	...
<i>Nucula pectinata</i> ? Sow.	2	...
BRACHIOPODA.		
<i>Lingula</i> sp.	2	...
ANNELIDA.		
<i>Vermicularia elongata</i>	2	...
ECHINODERMATA.		
<i>Echinospatangus cordiformis</i> , Breyn	2	...
<i>Cidaris</i> (spines)	2	...
Foraminifera sp.	2	...
Wood	2	...
Zone of <i>Belemnites semicanaliculatus</i> .		

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 45

NAME.	Speeton.	Knapton.
PISCES.		
Fish remains	2	...
CEPHALOPODA.		
<i>Belemnites semicanaliculatus</i> ? = (<i>B. brunsvicensis</i>), Stromb.	2, 3, 1, 9	...
„ (resembling <i>sulcatus</i>)	2	...
„ <i>jaculum</i> , Phil.	2, 1	...
„ sp. (extreme form of <i>jaculum</i> ?)	2	...
„ sp. (resembling <i>lateralis</i> , but distinct species)	2, 1	...
„ <i>speetonensis</i> , Stromb.	2	...
„ <i>absolutiformis</i> , Pavlov	2	...
„ <i>jasikowi</i> , Lahus	2	...
„ <i>obtusirostris</i> , Pavlov	2	...
<i>Ammonites</i> (<i>Olcostephanus</i> = <i>Simbirskites</i>) <i>discofalcatus</i> or <i>Phillipsii</i>	3	...
„ (<i>Olcostephanus</i> = <i>Oppelia</i>) <i>nisoides</i>	3	...
„ (<i>Hoplites</i>) <i>deshayesi</i> , Leym.	2, 3	2
„ (<i>Amaltheus</i>) <i>bicurvatus</i> , Mich.	2	...
„ <i>nucleus</i> ? Phil.	2, 1	...
<i>Crioceras strombecki</i> , von Könen	3	...
„ <i>matheroni</i> , Pavlov	3	...
<i>Ancylloceras</i> sp. (? <i>grandis</i>)	3, 2, 9	...
„ sp.	3, 2	...
<i>Toxoceras royeri</i> , d'Orb.	3	...
<i>Scaphites constrictus</i> ? d'Orb.	3	...
<i>Hamites</i> sp.	2	...
<i>Nautilus</i> sp.	2	...
GASTEROPODA.		
<i>Rostellaria phillipsii</i> , Römer = <i>R. parkinsoni</i> , Phil.	2	...
„ <i>candidula</i> , Forbes MS.	2	...
„ <i>bicarinata</i> , Leym., Judd	2	...
<i>Pleurotomaria</i> sp.	2	...
„ <i>provincialis</i> , d'Orb.	1	...
<i>Turbo</i> sp.	2	...
<i>Trochus</i> sp.	1	...
<i>Dentalium lævigatum</i>	1	...
LAMELLIBRANCHIATA.		
<i>Ostrea</i> sp.	2	...
<i>Exogyra</i> (<i>sinuata</i> , Sow. of Judd) varieties	2, 4, 1	...
<i>Pecten orbicularis</i> , Sow.	2	...
<i>Lima</i> , sp.	2, 1	...
<i>Pinna tetragona</i> , Sow. (? <i>gracilis</i> , Phil.)	2	...
„ <i>robinaldina</i> , d'Orb.	...	...

46 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Speeton.	Knapton.
<i>Cucullæa securis</i> , Leym. (<i>Grammatodon securis</i> , Leym.)	2	...
<i>Nucula</i> (similar to <i>menkii</i> , Römer)	2	...
„ <i>subangulata</i>	2	...
„ <i>impressa</i> , Sow.	2	...
<i>Mya</i> ? <i>phaseolina</i> , Phil.	2	...
<i>Isocardia angulata</i> , Phil. (= <i>Corbula angulata</i>) ...	2, 5	...
<i>Astarte lævis</i> , Phil.	2	...
<i>Panopæa neocomiensis</i> , Leym.	2	...
<i>Pholadomya martini</i> , Forbes	2	2
„ <i>speetonensis</i>	13	...
<i>Lima subrigida</i> , Römer	5	...
„ (<i>acesta</i>) <i>longa</i> , Römer	5	...
„ (<i>Mantellum</i>) <i>parallela</i> , Sow.	5	...
BRACHIOPODA.		
<i>Terebratula seeleyi</i> , Walker	2	...
<i>Rhynchonella sulcata</i> , Park.	2, 1	...
ANNELIDA.		
<i>Serpula plexus</i> ? Sow.	2	...
„ <i>antiquata</i> , Sow.	2	...
<i>Vermicularia Sowerbyi</i> , Phil.	2	...
Zone of <i>Belemnites jaculum</i> .		
PISCES.		
Vertebrae and teeth of fish	2, 11	...
CEPHALOPODA.		
<i>Belemnites jaculum</i> , Phil.	3, 1, 10	...
„ <i>jasikowi</i> , Lahus.	3	...
„ <i>pistillirostris</i> , Pavlov	3	...
„ <i>cristatus</i> , Pavlov	3	...
„ <i>subquadratus</i> , d'Orb.	3	...
„ <i>jaculum</i> var. <i>pistilliformis</i> , Blainv. ...	2	...
„ resembling <i>sulcatus</i> , Mill.	2	...
„ <i>explanatoides</i> , Pavlov	3	...
<i>Ammonites</i> (<i>Olcostephanus</i> = <i>Simbirskites</i>) <i>decheni</i> , Römer...	3	...
„ „ „ <i>umbonatus</i> , Lahus....	3	...
„ „ „ <i>discofalcatus</i> , Lahus....	3, 7	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 47

NAME.	Speeton.	Knapton.
<i>Ammonites</i> (<i>Olcostephanus</i> = <i>Simbirskites</i>) <i>speetonensis</i>		
G. and B.	3	...
" " " <i>progreiens</i> , Lahus...	3	...
" " " <i>concinus</i> , Phil. ...	3, 7, 10	...
" " " cf. <i>carteroni</i> , d'Orb....	3	...
" (<i>Olcostephanus</i> = <i>Holcodiscus</i>) <i>rotula</i> , d'Orb.	3, 10	...
" <i>cryptoceras</i> , d'Orb.	1	...
" <i>crassicosatus</i> , d'Orb.	1	...
" (<i>Olcostephanus</i> = <i>Simbirskites</i>) <i>subinversus</i> , Pavlov...	2, 7	...
" " " <i>inversus</i> , Pavlov...	2, 7	...
" " " <i>payeri</i> , Toulas. ...	2	...
" " " <i>versicolor</i> ? Trautsch.	2	...
" " " <i>phillipsii</i> ...	2	...
" (<i>Olcostephanus</i> = <i>Astieria</i>) <i>astieri</i> , d'Orb....	2	...
" " " <i>sulcosus</i> , Pavlov	2	...
" " " <i>atherstoni</i> , Sharpe...	2	...
" " " <i>spitiensis</i> , Blanford	2	...
" (? <i>Desmoceras</i>) cf. <i>cassidoides</i> , Uhl. ...	2	...
" <i>noricus</i> , Schloth. (and varieties)...	2, 1	2
" <i>speetonensis</i> , Y. and B., var. <i>concinus</i> , Phil.	2, 1, 9, 10	...
" <i>speetonensis</i> var. <i>venustus</i> Phil. ...	2, 1, 10	...
" <i>nissus</i> ? d'Orb. (<i>planus</i> , Phil.) ...	2, 1	...
" <i>nucleus</i> , Phil.	2, 1	...
" <i>angulicosatus</i> , d'Orb.	2, 1	...
" <i>marginatus</i> , Phil.	2, 1	...
" <i>astierianus</i> , d'Orb.	2, 1	...
" <i>hystrix</i> ? Phil.	2, 1	...
" (<i>Hoplites</i>) <i>regalis</i> , Bean...	2, 7	...
" " <i>amblygonius</i> , N. and U. ...	2, 7	...
" " <i>roubaudi</i> (<i>munitus</i>), d'Orb. ...	2	...
" " cf. <i>enthymi</i> , Pictet. ...	2	...
" " <i>heteroptychus</i> , Pavlov ...	2	...
" " <i>mortelletii</i> , Pictet and Lor. ...	2, 3	...
" <i>bipinnatus</i>	9	...
" <i>multiplicatus</i>	9	...
<i>Crioceras</i> cf. <i>matheroni</i> , d'Orb.	2, 3	...
" <i>capricornus</i> , Römer	3, 2	...
" <i>duvali</i> , d'Orb. (<i>Ancyloceras</i> , Léveille) ...	3, 2, 1	...
" <i>semicinctum</i> , Römer	3, 2	...
" <i>puzosianum</i> ? d'Orb. = <i>lignatus</i> , Bean MS.	3, 2	...
" <i>raricinctum</i> , von Könen	3	...
" <i>emericii</i> , Léveille (<i>Ancyloceras</i>)	1	...
<i>Hamites intermedius</i> , Phil.	3	...

48 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Speeton.	Knapton.
GASTEROPODA.		
<i>Rostellaria phillipsii</i> , Römer = <i>R. parkinsoni</i> , Phil....	2, 1	...
„ <i>bicarinata</i> , Leym.	1	...
„ sp.	2	...
<i>Cerithium aculeatum</i> , Forbes ...	2	...
„ <i>phillipsii</i> ? Leym.	1	...
<i>Pleurotomaria</i> sp.	2	...
<i>Trochus pulcherrimus</i> , Phil.	2	...
<i>Dentalium</i> sp.	2	...
„ <i>laevigatum</i> , Bean MS.	2	...
LAMELLIBRANCHIATA.		
<i>Ostrea</i> ? <i>frons</i> , Park.	2, 1	...
„ sp.	2	...
<i>Exogyra sinuata</i> , Sow.	2, 1	...
<i>Pecten lens</i> , Sow. var. <i>morini</i> , de Lor.	2	...
„ <i>cinctus</i> , Sow.	2, 1	...
„ sp.	2	...
„ sp.	2	...
<i>Lima</i> (<i>Mantellum</i>) <i>parallela</i> , Sow.	2, 1, 5	...
„ „ <i>gaultina</i> , Sow.	5	...
<i>Plicatula</i> sp.	2	...
<i>Avicula</i> sp.	2	...
<i>Inoceramus venustus</i> , Bean MS.	2	...
„ <i>imbricatus</i> , Bean MS.	2	...
<i>Nucula subangulata</i> ? Forbes MS.	2	...
„ <i>subrecurva</i> , Phil.	2	...
„ <i>vibrayeana</i> , d'Orb.	2	...
<i>Nuculana speetonensis</i> (= <i>Nucula equilateralis</i>), Bean MS....	2	...
„ (? <i>Yoldia</i>) <i>scapha</i> (= <i>Leda scapha</i> , Gardner) ...	5, 2	...
„ <i>seeleyi</i> = <i>Leda seeleyi</i> , Gardner ...	2	...
<i>Aucella keyserlingiana</i> , Trautschold (= <i>Perna imbricata</i> and <i>venustula</i>), Bean MS. and J. Phillips	5	...
<i>Isocardia angulata</i> , Phil. (= <i>Corbula angulata</i>) ...	2, 5	...
<i>Mya</i> ? <i>phaseolina</i> , Phil....	2	...
<i>Panopæa</i> (? <i>neocomiensis</i> , Desh. sp. Judd.) ...	2, 1	...
<i>Thracia phillipsii</i> , Römer (= <i>Mya depressa</i>) ...	2, 1, 8	...
<i>Pholadomya martini</i> , Forbes ...	2, 1	2
<i>Lucina sculpta</i> , Phil.	1	...
„ <i>crassa</i> , Sow ...	1	...
BRACHIOPODA.		
<i>Terebratula depressa</i> , Lam.	2, 1	...
„ <i>sella</i> , Sow.	2	...
„ <i>moutoniana</i> , d'Orb.	2	...
„ sp.	2	...
<i>Rhynchonella sulcata</i> , Park.	2, 1	...
„ <i>speetonensis</i> , Dav.	2	...
<i>Terebratulina martiniana</i> , d'Orb.	2	2
<i>Waldheimia celtica</i> , Morris, Dav. (Judd.) ...	4, 1	...
„ <i>jaba</i> , d'Orb.	...	4

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 49

NAME.	Specimen.	Knapton.
ANNELIDA.		
<i>Serpula articulata</i> , Sow.	2, 1, 9	...
„ <i>antiquata</i> , Sow.	2, 1	...
„ <i>gastrochænoides</i> , Leym.	1	...
<i>Vermicularia phillipsii</i> , Römer	2, 1	...
ECHINODERMATA.		
<i>Pentacrinus angulatus</i> , Römer	1	...
„ <i>annulatus</i> , Römer	2, 1	...
<i>Echinoapatangus cordiformis</i> , Breyn. = <i>Toxaster</i>		
<i>complanatus</i> , Ag.	2	...
<i>Cidaris</i> (spines)	2	...
ACTINOZOA.		
<i>Trochocyathus conulus</i> , Phil.	2	...
CRUSTACEA.		
<i>Meyeria ornata</i> , Phil. = <i>Astacoides falcifer</i> , Bell ...	2	...
<i>Palinuridia scarburgensis</i>	2	...
<i>Hoploparia prismatica</i> , McCoy	2	...
„ sp. (<i>chela</i>)	2	...
Foraminifera	2	...
Wood	2	...
PORIFERA.		
Sponges sp.	1	...
<i>Cliona</i> (crypts)	1	...
Zone of <i>B. lateralis</i> .		
REPTILIA.		
<i>Plesiosaurus</i> sp. (vertebrae and paddles)	1	...
<i>Teleosaurus</i> (skull)	1	...
Saurian remains	1, 3, 2	...
PISCES.		
<i>Gyrodus minor</i> , Ag. (Vertebrae and teeth)	4	...
<i>Hybodus</i> sp.	4	...
<i>Macropoma (Eurypoma) egertoni</i> , Ag. (Vertebrae & teeth)	4	...
sp.	2	...
<i>Lamna</i> sp.	1	...

50 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Speeton.	Knapton.
CEPHALOPODA.		
<i>Ammonites</i> (<i>Olcostephanus</i> = <i>Holcodiscus</i>) <i>rotula</i> , Sow.	3	...
" " = <i>Polyptychites</i>) <i>bidichotomus</i> , Leym.	3	...
" " " <i>keyserlingi</i> , N. and U.	3	...
" " " <i>gravesiformis</i> , Pavlov	3	...
" " " <i>lamplughii</i> , Pavlov	3	...
" " " <i>ramulicosta</i> , Pavlov	3	...
" " " <i>beani</i> , Pavlov	3	...
" " " <i>triploptychus</i> , Pavlov	3	...
" " " <i>polyptychus</i> , Key	3	...
" " = <i>Craspedites</i>) <i>fragilis</i> , Trautsch.	3	...
" " " cf. <i>subditus</i> , Trautsch.	3	...
" " " <i>okensis</i>	3	...
" " " <i>plicomphalus</i>	3	...
(<i>Hoplites</i>) <i>regalis</i> (Bean) Pavlov ...	3	...
" " <i>amblygonius</i> , N. and U.	3	...
" " (<i>A. noricus</i>) ...	3	...
" " <i>hystrix</i> , Phil. ...	3	...
" " <i>roubanti</i> , d'Orb. ...	3	...
" " <i>heteroptychus</i> ? Pavlov	3	...
" " <i>oxygonius</i> ...	3	...
" " sp. ...	3	...
" " <i>oxynoticeras</i> cf. <i>catenulatum</i> , Fischer ...	3	...
" " <i>gravesianus</i> , d'Orb. (<i>O. keyserlingi</i> , N. and U.) ...	2	...
" " <i>noricus</i> , Schloth. (and varieties) ...	2	...
" " <i>rotula</i> (<i>kashpuricus</i> , Trautsch.) ...	2	...
<i>Nautilus plicatus</i> , Sow. ...	1	...
" <i>pseudo-elegans</i> d'Orb. ...	1	...
" <i>radiatus</i> , Sow. ...	1	...
<i>Belemnites lateralis</i> , Phil. ...	3, 2, 4	...
" <i>russiensis</i> , d'Orb. ...	3	...
" <i>subquadratus</i> , d'Orb. ...	3	...
" <i>explanatoides</i> , Pavlov ...	3	...
" <i>explanatus</i> ? Phil. ...	3	...
" <i>absolutus</i> , Fischer ...	3	...
<i>Crioceras</i> (<i>Ancyloceras</i>) <i>grande</i> , Forbes sp. ...	1	...
" " sp. ...	2	...
" " sp. ...	2	...
GASTEROPODA.		
<i>Aphorrhais</i> sp. (<i>Rostellaria</i> , Phillips) ...	1, 4	...
<i>Avellana</i> (<i>Auricula</i>) <i>obsoleta</i> , Phil. ...	2, 1	...
<i>Rostellaria parkinsoni</i> , Phil. non Sow. ...	1, 4	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 51

NAME.	Speeton.	Knapton
<i>Rostellaria bicarinata</i> , Leym.	1, 4	...
<i>Cerithium clementinum</i> var. d'Orb.	1, 9	...
<i>Turritella lævigata</i> , Leym.	1, 4	...
<i>Solarium ? tabulatum</i> , Phil.	1, 4	...
<i>Trochus pulcherrimus</i> , Phil. sp.	1, 4	...
<i>granulatus</i>	1, 4	...
<i>Delphinula ? sp. (inconspicua</i> , Phillips)	1, 4	...
<i>Emarginula neocomiensis</i> , d'Orb.	1, 4	...
<i>Dentalium ellipticum ? Sow. (casts)</i>	1, 4	...
<i>Pleurotomaria</i> sp.	3	...
LAMELLIBRANCHIATA.		
<i>Ostrea leymeriei</i> , d'Orb.	1	...
<i>frons</i> , Parkinson	1	...
<i>sp.</i>	2	...
<i>Exogyra sinuata</i> , Sow. (normal form)	1, 2	...
<i>parvula</i> , Leym.	1	...
<i>sp. nov.</i>	1, 2, 3	...
<i>Plicatula placunea</i> , Lam.	1, 5	...
<i>Avicula inæquivalvis</i> , Sow. = (<i>Pteria cornueliana</i>)... ..	1, 2, 4	...
<i>Placunopsis</i> sp.	4, 1	...
<i>Pecten elongatus</i> , Lam.	1, 4	...
<i>orbicularis</i> , Sow.	1, 4	...
<i>cinctus</i> , Sow.	1, 4, 3	...
<i>interstriatus</i> , Leym.	1, 4	...
<i>striato-punctatus</i> , Römer	1, 4	...
<i>Lima</i> sp. nov.	1	...
<i>sp. nov.</i>	1	...
<i>undata</i> , Deshayes	1	...
<i>elegans</i> , Duj.	1	...
<i>Inoceramus venustus</i>	1	...
<i>concentricus</i> , Sow. (small var.)	1	...
<i>imbricatus</i>	1	...
<i>Pinna gracilis</i> , Phil.	4, 1	...
<i>Arca</i> sp. (casts)	2	...
<i>Nucula ovata</i> , Leckenby, Phillips (<i>planata</i> , Deshayes)	2, 6	...
<i>subrecurva</i> , Phil.	2, 6	...
<i>lamplughii</i> , H. Woods	5	...
<i>obtusa</i> , Sow.	2	...
<i>sp. (casts)</i>	2	...
<i>Leda spathulata</i> , Forbes (<i>L. pandata</i>)... ..	2	...
<i>seeleyi</i>	6	...
<i>scapha</i> , d'Orb.	6	...
<i>Corbis</i> sp.	2	...
<i>Astarte senecta</i>	5	...
(<i>Eriphyla</i>) <i>lævis</i> , Phil.	5	...
<i>laticosta</i> , Deshayes	4	...
<i>Pteria (Oxytoma) cornueliana</i> , d'Orb. = <i>A. vicula</i>	5	...
<i>inæquivalvis</i> (G. W. Lamplugh)... ..	5	...
<i>Isocardia angulata</i> , Phil.	4, 2	...
? sp.	2	...
<i>Trigonia spinosa</i> , Park.	4, 2	...

52 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Speeton.	Knapton.
<i>Mya ? phaseolina</i> , Phil.	2	...
<i>Thetis sowerbyi</i> , Römer (var. <i>major</i>)	2	...
" " (var. <i>minor</i>)	2	...
<i>Protocardia</i> sp.	5	...
<i>Panopæa plicata</i>	2	...
" <i>neocomiensis</i> , Desh. sp.	2	...
" <i>gurgitis</i>	13	...
<i>Thracia phillipsii</i> , Römer ? var.	2	...
" <i>depressa</i> , Sow.	2	...
" sp. (var. of <i>phillipsii</i>)	2	...
<i>Pholadomya martini</i> , Forbes	2	...
" (sp. two rare)	2	...
" <i>spectonesis</i>	13	...
<i>Gervillia anceps</i> , Desh.	4	...
<i>Perna mulletti</i> , Desh.	4, 5	...
" <i>imbricata</i>	4	...
" <i>venustula</i>	4, 1	...
<i>Pholas</i> (= <i>Martesia</i>) <i>constricta</i> , Phil.	2, 13	...
<i>Lithodomus</i> sp.	2	...
<i>Teredo</i> sp.	2	...
BRACHIOPODA.		
<i>Terebratula depressa</i> , Lam.	1, 2	...
" <i>hippopus</i> , Römer (Judd.)	1, 2	...
" <i>sella</i> , Sow.	1, 2	...
<i>Terebratulina striata</i> var. <i>pentagonalis</i> , Wahl.	1, 2	...
" <i>martiniana</i> , d'Orb.	4	4
<i>Rhynchonella sulcata</i> , Park.	1	...
" <i>lineolata</i> , Phil. sp.	1	...
" sp.	1	...
<i>Lingula truncata</i> , Sow.	4, 1	...
<i>Discinia</i> sp. nov.	1	...
ECHINODERMATA.		
<i>Cidaris</i> sp.	1, 2, 4	...
<i>Pseudodiadema</i> sp.	1	...
<i>Toxaster argillaceus</i> , Phil.	4	...
" <i>complanatus</i> , Ag.	1	...
<i>Pentacrinus annulatus</i> ? Römer	2, 4	...
" <i>angulatus</i> , Römer	1	...
" sp.	1	...
ACTINOZOA.		
Coral growing on <i>Serpula</i>	2	...
<i>Lichenopora</i>	2	...
<i>Trochocyathus conulus</i> , Phil.	1, 4, 12	...
" ? <i>calcaratus</i> , Tomes.	12	...
" <i>wiltshirei</i> , Duncan	12	...
<i>Smilotrochus cylindricus</i> , Duncan	12	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 53

NAME.	Speeton.	Knapton
CRUSTACEA.		
? <i>Meyeria vectensis (ornata)</i> , Phil.	1, 2, 3	...
Obscure crustacean remains	1	...
<i>Cirripede</i> plate	1	...

Wood	3	...
COPROLITE BED (Mr. LAMPLUGH).		
CEPHALOPODA.		
<i>Ammonites (Olcostephanus = Virgatites)</i> cf. <i>panderi</i> , d'Orb.	3	...
„ „ „ cf. <i>scythicus</i> , Mich.	3	...
„ „ „ cf. <i>chernushevi</i> , Mich.	3	...
„ „ „ cf. <i>dorsoplanus</i> , Mich.	3	...
<i>Belemnites</i> cf. <i>absolutus</i> , Fischer	3	...
„ <i>magnificus</i> , d'Orb.	3	...
COPROLITE BED (Messrs. LECKENBY AND JUDD, Q.J.G.S., 1868).		
REPTILIA.		
<i>Plesiosaurus</i> sp.	1	...
Saurian remains	1	...
PISCES.		
Fish remains	1	...
CEPHALOPODA.		
<i>Ammonites gigas</i> , Niet.	1	...
„ <i>rotundus</i> , Sow.	1	...
LAMELLIBRANCHIATA.		
<i>Lucina portlandica</i> , Sow.	1	...
<i>Arca</i> sp. (casts)	1	...
<i>Nucula</i> sp. (casts)	1	...
<i>Lithodomus</i> (crypts)	1	...

Wood	1	...

54 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

KIMERIDGE CLAY.

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KIMERIDGE CLAY.

NAME.	Speeton.	Other Places.
REPTILIA.		
<i>Plesiosaurus</i> sp.	...	South Cave. 6
<i>Pliosaurus</i> sp.	5	...
<i>Ichthyosaurus thyrospandylus</i>	6	...
" sp.	5	...
<i>Steneosaurus</i> sp.	4, 8	...
PISCES.		
<i>Eurypoma egertoni</i> , Ag.	5, 7	...
<i>Gyrodus cuvieri</i> , Ag.	5	...
Fish discovered by Mr. Danford (belonging to the <i>Eugnathidae</i>)	4	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 55

NAME.	Speeton.	Other Places.
CEPHALOPODA.		
<i>Belemnites troslayanus</i> , d'Orb.	4, 5, 1	...
„ <i>porrectus</i> , Phil.	4	...
„ <i>puzosi</i> , d'Orb.	4	...
„ <i>obeliscoides</i> , Pavlov	4	...
„ <i>magnificus</i> , d'Orb.	4	...
„ <i>aff. magnificus</i> ?	4	...
„ <i>cf. absolutus</i> , Fischer	4	...
„ <i>sp. ?</i>	4	...
„ <i>sp. ?</i>	4	...
„ <i>oweni</i> , Pratt	5	Elloughton.
„ <i>nitidus</i> , Doll.	5, 1	5
„ <i>lateralis</i> , Phil.	5	South Yorks.
„ <i>abbreviatus</i> , Mill.	5	5
<i>Ammonites</i> (<i>Perisphinctites</i>) <i>lacertosus</i> , Del. F. =		N. Grimston.
<i>A. biplex</i> , Sow.	1,2,3,4,7,8	5
„ (<i>Cardioceras</i>) <i>alternans</i> , von Buch....	1	N. Grimston.
„ „ <i>cordatus</i> , Sow.	5	5
„ <i>berryeri</i> , Lesueur	1, 5, 2	Acklam
„ (<i>Hoplites</i>) <i>eudoxus</i> = <i>A. evalidus</i> ...	4	Leavening.
„ „ <i>pseudomutabilis</i> , Loriol	4	5
„ „ <i>subundorae</i> , Pavlov	4	...
„ (<i>Olcostephanus</i> = <i>Virgatites</i>) <i>cf.</i>		...
„ <i>miatchkoviensis</i> (Michel)... ..	4	N. Grimston.
„ <i>eudoxus</i> , d'Orb. = <i>Hoplites</i>	5	5
„ <i>eumelus</i> ? d'Orb.	5	N. Grimston.
„ <i>longispinus</i> , Sow.	5, 1	5
„ <i>marantianus</i> ? d'Orb.	5, 1, 2	...
„ <i>mutabilis</i> , Sow.	5, 2	Kirby
„ „ <i>plicomphalus</i> , Sow.	5	Misperton.
„ „ <i>rotundus</i> , Sow.	5	1
„ „ <i>trifidus</i> , Sow.	5	N. Grimston.
„ „ <i>triplicatus</i> , Sow.	5, 1, 2	5
„ „ <i>jo</i> ? d'Orb.	5, 1, 2	...
„ „ <i>acanthicus</i>	5	N. Grimston
„ „ <i>gravesianus</i> , d'Orb.	5	5
<i>Ancyloceras</i> <i>sp.</i>	...	...
LAMELLIBRANCHIATA.		
<i>Avicula ædilignensis</i> , Blake	5	...
„ <i>expansa</i> , Phil.	5	...
<i>Exogyra nana</i> , Sow.	5, 1, 2	...

56 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Speeton.	Other Places.
<i>Exogyra virgula</i> , DeFr.	5, 2	...
„ <i>sinuata</i> , Sow. (normal form) ...	2	Elloughton.
<i>Ostrea deltoidea</i> , Sow.	5	5
		Welton.
		1
„ <i>gibbosa</i> , Lesueur	5	...
„ sp.	2	...
<i>Pecten subtextorius</i> , Münster. ...	5	...
„ sp.	2	...
<i>Pinna granulata</i> , Sow.	5, 1, 2	...
<i>Astarte lineata</i> , Sow.	5	...
<i>Cardium striatulum</i> , Sow.	5, 2	...
<i>Ceromya excentrica</i> , Ag.	5, 1, 2	...
<i>Cucullæa</i> sp.	5	...
<i>Leda</i> sp.	5, 1, 2	...
<i>Lucina minuscula</i> , Blake	5	...
„ <i>portlandica</i> , Sow.	5	...
<i>Modiola bipartita</i> , Phil. (non Sow.) ...	5, 2, 1	...
<i>Myacites oblatum</i> , Sow.	5	...
„ sp.	5, 2	...
<i>Thracia depressa</i> , Sow.	5, 1, 2	...
<i>Pholadomya decussata</i> , Phil.	5, 2, 7	...
<i>Anatina minuta</i> , Blake	3	...
<i>Inoceramus</i> sp.	2	...
<i>Phicatula</i> sp.	2	...
GASTEROPODA.		
<i>Alaria trifida</i> , Phil.	5	...
„ <i>mosensis</i> , Buvig.	5	...
BRACHIOPODA.		
<i>Rhynchonella inconstans</i> , Sow.	2, 5, 1	Knapton.
„ sp.	2, 5	1
„ <i>subvariabilis</i> ? Dav.	5	...
<i>Discinia humphriesiana</i> , Sow.	5	...
„ <i>latissima</i> , Sow.	2, 5	...
<i>Lingula ovalis</i> , Sow.	5, 2, 1	...
ANNELIDA.		
<i>Serpula tetragona</i> , Sow.	5	...
CRUSTACEA.		
<i>Pollicipes hausmanni</i> , K. and D. ...	5	...
ECHINODERMATA.		
<i>Pentacrinus</i> sp.	2, 5	...
PORIFERA.		
Sponges	2	...
Wood	2	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 57

PORTLANDIAN.

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FOSSILS OF THE PORTLANDIAN.

NAME.	Speeton.	Knapton.
REPTILIA.		
<i>Plesiosaurus</i> sp.	1	...
PISCES.		
Fish remains	1	...
CEPHALOPODA.		
<i>Belemnites</i> sp.	1	...
„ <i>lateralis</i>	2	...
<i>Ammonites gigas</i> , Niet.	1, 3	...
„ <i>giganteus</i> , Sow. ?	1, 3	...
„ <i>gravesianus</i> , d'Orb.	1	...
„ <i>irius</i> , d'Orb.	1, 3	...
„ <i>rotundus</i> , Sow.	1	...
„ (<i>Hoplites</i>) <i>deshayesi</i> (<i>knaptonensis</i>)	...	2
„ („) <i>amblygonius</i> (= <i>noricus</i>), N. & U	...	2
„ <i>Perisphinctes lacertosus</i> , D. and F. = <i>A. biplex</i> , Phil.	3	...
LAMELLIBRANCHIATA.		
<i>Avellana obsoleta</i> , Phil.	2	...
<i>Avicula obsoleta</i> , Phil.	2	...
<i>Exogyra sinuata</i> , Sow.	2	...
<i>Pecten lens</i> , Sow. var. <i>morini</i> , de Lor.	2	...
<i>Arca</i> sp.	2, 1	...
<i>Astarte senecta</i>	2	...
<i>Nucula</i> sp.	2, 1	...
<i>Lucina portlandica</i> , Sow.	3, 2, 1	...
<i>Lithodomus</i> sp.	2, 1	...
BRACHIOPODA.		
<i>Rhynchonella inconstans</i> , Sow.	2	...
<i>Lingula ovalis</i> , Sow.	2	...
Wood	2, 1	...

58 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

CORALLIAN ROCKS.

Including Upper Calcareous Grit, Coral Rag and Upper Limestone, Middle Calcareous Grit, Lower Limestone.

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CORALLIAN ROCKS.

Embracing the Zones of *Ammonites perarmatus* and *Ammonites plicatilis*.

NAME.	North Grimston.	Settring- ton.	Langton Wold.
REPTILIA.			
<i>Pliosaurus teretideus</i> , Owen M.S. = <i>P.</i>			
<i>brachydeirus</i> , Owen (teeth)	1, 2, 3, 4	...	...
<i>Teleosaurus</i> sp. (teeth)	1, 3, 4	...	...
PISCES.			
<i>Hybodus</i> cf. <i>grossiconus</i> , Ag. (teeth)	1, 3, 4	...	...
" <i>obtusus</i> , Ag. (teeth)	1, 3, 4	...	...
<i>Gyrodon punctatus</i> , Ag.	1, 3	...	...
<i>Lepidotus</i> sp. (scales and teeth)	1, 3, 4	...	...
<i>Ischyodus egertoni</i> , Ag.	3	...	...
CEPHALOPODA.			
<i>Ammonites</i> (<i>Perisphinctes</i>) <i>varicostatus</i> , Buck....	1, 2	...	1, 2
" " <i>decipiens</i> , Sow.	1, 2	...	1, 2
" " <i>plicatilis</i> , Sow.	1	...	...
" " <i>biplex</i> , Sow. ...	1	...	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 59

NAME.	North Grimston.	Settring- ton.	Langton Wold.
<i>Ammonites (Cardioceras) vertebralis</i> , Sow....	1	...	...
„ „ <i>alternans</i> , von Buch.	1	...	...
„ „ <i>cortonensis</i> , B. & H.	1	...	...
„ „ <i>cordatus</i> ...	...	1	...
„ <i>berryeri</i> , Lesueur ...	1, 2	...	...
„ <i>achilles</i> ? ...	...	1	...
„ <i>trifidus</i> ...	1, 2	...	1, 2
<i>Nautilus aganiticus</i> , Schloth. ...	1, 2	...	1, 2
<i>Belemnites abbreviatus</i> , Miller ...	1, 3, 4	1	1
„ <i>nitidus</i> , Dollf. (<i>B. explanatus</i> , Phil.) ...	...	...	1
„ cf. <i>owenii</i> , Pratt ...	...	1	...
„ <i>semisulcatus</i> ? Münster. ...	1, 2	...	1, 2
„ <i>hastatus</i> ? ...	2	...	1, 2
GASTEROPODA.			
<i>Purpuroidea nodulata</i> , Y. and B....	1, 4	1	1
<i>Natica buccinoidea</i> , Hud. ...	1	...	1
„ <i>clymenia</i> , d'Orb. ...	1, 3, 4	...	...
„ <i>clytia</i> , d'Orb. ...	1, 3, 4	...	...
<i>Chemnitzia heddingtonensis</i> Sow. ...	1	1, 3	1
„ <i>pollux</i> , d'Orb. ...	1	...	...
„ <i>langtonensis</i> , B. and H. ...	...	...	1
<i>Nerinea moreana</i> , d'Orb. ...	1	...	...
„ <i>römeri</i> , Goldf. ...	1, 3	1, 3	1
„ <i>allongiuscula</i> ? Bean ...	1	...	1
„ <i>fasciata</i> ...	...	1	...
<i>Littorina muricata</i> , Sow. ...	1, 3	1	1
„ „ var. <i>pulcherrima</i> , Dollf. ...	1, 4	...	...
„ (<i>Encyclus</i>) <i>buvignieri</i> , d'Orb. ...	1	...	...
<i>Nerita</i> sp. ...	1	...	...
<i>Neritopsis guerrei</i> , H. and D. ...	1, 4	...	...
„ <i>decussata</i> , Münster. ...	1	...	...
<i>Trochus</i> sp. ...	1	...	...
<i>Turbo corallensis</i> , Buvig. ...	1, 2, 3, 4	...	1
„ <i>funiculatus</i> , Phil. ...	1, 4	1	...
„ <i>erinus</i> , d'Orb. = <i>Turbo laevis</i> , Buvig. ...	1	...	1
„ <i>pellati</i> , De Lor. = (<i>Delphinula</i> sp.)...	1, 4	...	1
<i>Pleurotomaria reticulata</i> , Sow. ...	1, 3	...	1
„ <i>agassizii</i> , Münster. ...	1	...	...
<i>Trochotoma tornatilis</i> , Phil. ...	1, 3	...	1
<i>Alaria</i> sp. (cf. <i>tridactyla</i>), Buvig. ...	1	...	1
<i>Patella rugosa</i> , Sow. ...	1, 2	...	1, 2
LAMELLIBRANCHIATA.			
<i>Ostrea duriuscula</i> , Phil. ...	1	...	...
„ <i>bullata</i> , Sow. (<i>Gryphæa</i>) ...	...	...	1
„ [<i>subgibbosa</i> , B. and H. ...	1	...	...
„ <i>gregaria</i> , Sow. ...	1	1	1
<i>Exogyra nana</i> , Sow. ...	1, 2	1	1, 2
„ sp. ...	1	...	...

60 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	North Grimston.	Settring- ton.	Langton Wold.
<i>Anomia radiata</i> , Phil. ...	1	...	...
<i>Placatula</i> sp. (cf. <i>fistulosa</i> , L. and M.) ...	1	...	...
<i>Pecten vimineus</i> , Sow. ...	1, 2	...	1, 2
„ <i>inaequicostatus</i> , Phil. ...	1	1	...
„ <i>demissus</i> , Phil. ...	1, 2	...	1, 2
„ <i>midas</i> , d'Orb. ...	...	...	1
„ <i>intertextus</i> , Römer ...	1	1	...
„ <i>lens</i> , Sow. ...	1, 2	...	1, 2
„ <i>qualicosta</i> , Et. ...	1	1	...
„ <i>fibrosus</i> ...	1, 2	1	1, 2
<i>Hinnites</i> sp. near to <i>H. fallax</i> , Dollf. ...	1	...	...
<i>Lima laeviuscula</i> , Sow. var. ...	1	...	1
„ <i>rigida</i> , Sow. ...	1	...	1
„ <i>pectiniformis</i> , Schloth. ...	1	...	1
„ <i>rudis</i> , Sow. ...	1	...	1
„ <i>elliptica</i> , Whit. var. ...	1	...	1
„ <i>subantiquata</i> , Römer ...	1	...	1
<i>Avicula ovalis</i> , Phil. var. <i>obliqua</i> ...	...	...	1
„ <i>cedilignensis</i> , Blake ...	1	...	...
<i>Trichites plottii</i> ...	1	...	...
<i>Mytilus unguatus</i> , Y. and B. ...	1	...	...
<i>Modiola inclusa</i> , Phil. ...	1	...	1
„ <i>cancellata</i> , Römer ...	1, 2	...	1, 2
<i>Arca quadrisulcata</i> , Sow. ...	1	...	1
„ <i>pectinata</i> , Phil. ...	1	...	1
<i>Perna subplana</i> , Et. ...	1	...	...
„ <i>mytiloides</i> , Lam. ...	1, 2	...	1, 2
<i>Cucullæa elongata</i> ...	1	...	...
<i>Nucula</i> sp. ...	1	...	1
<i>Trigonia costata</i> ...	1, 2	...	...
„ <i>clavellata</i> , Sow. ...	1	...	1, 2
<i>Protocardium isocardioides</i> , B. and H. ...	1	...	1
<i>Unicardium depressum</i> ...	...	1	...
<i>Cardium debilitatum</i> ? De Lor. ...	1, 2	...	1, 2
<i>Tancredia curtansata</i> , Phil. ...	...	1	...
„ cf. <i>planata</i> , M. and L. ...	...	1	...
<i>Lucina aliena</i> , Phil. ...	1	1	...
„ cf. <i>aspera</i> , Buvig. ...	1	...	1
„ <i>substriata</i> , Römer ...	1	...	...
<i>Opis virdunensis</i> , Buvig. ...	1	...	1
„ <i>lunulata</i> , Römer ...	1	...	1
„ <i>phillipsii</i> ...	...	1	...
<i>Astarte rhomboidalis</i> , Phil. ...	1	...	1
„ <i>ovata</i> , Smith ...	1	1	1
<i>Homomya crassiuscula</i> , L. and M. ...	1	...	1
„ <i>tremula</i> , Buvig. ...	1	...	...
„ (<i>grimstonensis</i>) ...	1	...	...
<i>Thracia depressa</i> , Sow. ...	1	...	1
<i>Pholadomya</i> cf. <i>concentrica</i> , Römer ...	1	...	1
<i>Panopæa gigantea</i> ...	1	...	1
<i>Myacites</i> sp. ...	1	...	1
<i>Pleuromya</i> sp. (<i>tellina</i>) ...	1, 2	...	1, 2
„ <i>voltzii</i> , Ag. ...	1, 2	...	1, 2

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 61

NAME.	North Grimston.	Settring- ton.	Langton Wold.
<i>Goniomya v-scripta</i> , Sow.	1	...	...
„ <i>marginata</i> , Ag.	...	...	1
„ <i>literata</i>	1, 2	1	1, 2
<i>Corbicella</i> sp.	1	1	...
<i>Pinna</i> sp.	1, 2	...	1, 2
<i>Gryphaea subgibbosa</i>	1, 2	...	1, 2
<i>Gervillia angustata</i> , Römer	1, 2	...	1, 2
BRACHIOPODA.			
<i>Terebratula insignis</i> var. <i>maltonensis</i> , Oppel	1	...	...
„ <i>gesneri</i>	3	...	...
<i>Discinia elevata</i> , Blake	1, 2	...	1, 2
ANNELIDA.			
<i>Serpula squamosa</i> , Phil.	...	...	1
„ <i>intestinalis</i> , Phil.	1, 2	...	1, 2
„ <i>tetragona</i> , Sow.	1, 2	...	1, 2
ECHINODERMATA.			
<i>Cidaris florigemma</i> , Phil.	1, 3, 4	1, 3, 4	1, 2
„ <i>smithii</i> , Wright	1	1, 3, 4	1
<i>Hemicidaris intermedia</i> , Flem.	1, 2, 3, 4	1	1
<i>Pseudodiadema hemisphaericum</i> , Ag.	1, 2, 3, 4	1, 3	1
<i>Stomechinus gyratus</i> , Ag.	1	...	...
<i>Pygaster umbrella</i> , Ag.	1, 4	...	1
<i>Collyrites bicordata</i> , Leske.	1	...	1
<i>Echinobrissus scutatus</i> , Lam.	1, 3, 4	...	1
<i>Millericrinus echinatus</i> , Goldf.	1, 3	1, 3, 4	...
<i>Apiocrinus polycyphus</i> , Merian.	1	...	...
<i>Pentacrinus</i> sp.	1	...	...
ACTINOZOA.			
<i>Stylina tubulifera</i> , Phil.	1	...	...
<i>Montlivaltia dispar</i> , Phil.	1, 3, 4	...	...
<i>Thecosmilia annularis</i> , E. and H.	1, 3, 4	1, 3	...
<i>Goniocora socialis</i> , Römer	...	...	1
<i>Isastraea explanata</i> , Phil.	1, 3, 4	1, 3, 4	...
<i>Thamnastraea concinna</i> , Goldf.	1, 3, 4	1, 3	...
„ <i>arachnoides</i> , Park.	1, 3, 4	3	...
<i>Latimeandra decorata</i>	...	...	6
<i>Protoseris waltoni</i> , E. and H.	...	6	...
PORIFERA.			
<i>Holcospongia glomerata</i> , Quenst.	...	...	5, 4
<i>Razella perforata</i> , Hinde	...	5	...
<i>Corynella chadwicki</i> , Hinde	...	5	5
„ <i>langtonensis</i> , Hinde	...	...	5, 4

62 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

OXFORD CLAY.

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4. Collected by H. C. DRAKE.

OXFORD CLAY.

NAME.	South Cave.
REPTILIA.	
<i>Plesiosaurus</i> sp.	1, 2, 3
CEPHALOPODA.	
<i>Ammonites</i> (<i>Cosmoceras</i>) <i>elizabethæ</i>	1
" " <i>comptoni</i>	1
<i>Belemnites</i> <i>hastatus</i>	1, 2
" <i>owenii</i>	1, 2, 3, 4
" <i>abbreviatus</i>	1, 2, 4
LAMELLIBRANCHIATA.	
<i>Ostrea dilatata</i> = <i>Gryphæa dilatata</i>	1, 2, 3, 4
" <i>gregaria</i>	1
<i>Pecten</i> sp.	1
Wood	2, 4

Wood

2. 4

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 63

KELLAWAYS ROCK.

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FOSSILS OF THE KELLAWAYS ROCK.

NAME.	Drewton Cutting.	Other Places.
REPTILIA.		
<i>Cryptocleidus</i> sp.	2	2, Brough Mill Hill
<i>Plesiosaurus</i> sp.	1	...
CEPHALOPODA.		
<i>Ammonites</i> (<i>Keplerites</i>) <i>gowerianus</i> , Sow. ...	1, 3	...
" " <i>calloviensis</i> , Sow. ...	3, 2	...
" " <i>modiolaris</i> , Hind ...	1, 2, 3	...
" " <i>duncani</i> , Sow. ...	1	...
" (<i>Siemiradzka</i>) <i>königi</i> , Sow. ...	1, 2, 3	...
" (<i>Quenstedtoceras</i>) <i>Mariae</i> , d'Orb. ...	1	...
" (<i>Macrocephalites</i>) sp. Schloth. ...	3, 2	...
" <i>sublævis</i>	6	...
<i>Belemnites</i> <i>owenii</i> , Pratt	1, 2, 3	3, 5, Newbald
" " varieties	2, 6	2, Brough

64 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Drewton Cutting.	Other Places.
GASTEROPODA.		
<i>Turbo sulcostomus</i> , Phil.	1, 4	...
" sp.	1, 2	...
<i>Cerithium cullenii</i> , Leckenby	1	...
" sp.	1, 2	...
<i>Alaria bispinosa</i> , Phill.	3, 1	...
<i>Pleurotomaria</i> sp.	1	...
BRACHIOPODA.		
<i>Rhynchonella socialis</i> , Phil.	1, 2, 3	2, 5, Newbald
<i>Waldheimia ornithocephala</i> , Sow.	1	...
LAMELLIBRANCHIATA.		
<i>Gryphæa bilobata</i> , Sow.	1, 2, 3	2, 5, 6, Newbald
" <i>bullata</i>	...	2, Brough
<i>Pecten demissus</i> , Phil.	1	...
" <i>lens</i> , Sow.	1, 2, 3	...
" <i>fibrosus</i> , Sow.	1, 2, 3	...
" large ribbed species	1	...
<i>Avicula braamburiensis</i> , Phil.	1	...
" <i>inæquivalvis</i> , Sow.	1, 3	...
" <i>expansa</i>	4	...
<i>Perna rugosa</i> , Goldf.	1	...
<i>Pinna mitis</i> , Phil.	1, 4	...
<i>Modiola</i> sp.	1, 2, 3	2, Newbald
" <i>cuneata</i> , Sow.	4	...
" <i>pulchra</i> , Phil.	1	...
<i>Trigonia rupellensis</i> , d'Orb.	1	2, Newbald
<i>Cucullæa corallina</i> , Damon	1	2, Brough
" sp.	1	...
" <i>concinna</i>	4	...
<i>Arca</i> sp.	1	...
<i>Cardium crawfordii</i> , Leckenby	1	...
" <i>cognatum</i> , Phil.	1	...
<i>Isocardia minima</i>	1, 2, 3	...
" sp.	1	...
<i>Cyprina</i> (two or three species)	1, 4	...
<i>Astarte unguolata</i> ? Lycett.	1	...
" <i>carinata</i> , Phil.	4	4, Newbald
" sp., small ribbed species	1	...
<i>Unicardium depressum</i> , Phil.	1	...
<i>Corbicella ovalis</i> ? Phil. (<i>lævis</i>)	1, 4	...
<i>Pholadomya ovulum</i> , L. and M. (<i>ovalis</i> , Sow.)	1	...
" <i>heraulti</i> , Ag.	1	...
<i>Gresslya peregrina</i> , Phil.	1, 3	...
<i>Goniomya v-scripta</i> , Sow.	1, 2	...
<i>Anatina undulata</i> , Sow.	1	...
<i>Myacites decurtatus</i> , Phil.	1	2, 5, Newbald
" sp.	1	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 65

THE MILLEPORE BED.

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FOSSILS OF THE MILLEPORE.

NAME.	South Cave.	Brough.
PISCES.		
<i>Hybodus</i> sp.	2	...
GASTEROPODA.		
<i>Chemnitzia</i> sp.	2	...
<i>Cerithium</i> sp.	2	...
<i>Turbo</i> sp.	2	...
LAMELLIBRANCHIATA.		
<i>Lima pectiniiformis</i> , Schloth.	2, 1	2
<i>Trigonia conjungens</i> , Lycett.	2, 1	...
<i>Avicula</i> sp.	2	...
<i>Modiola</i> sp.	2	...
<i>Pinna cuneata</i>	3	2
<i>Pecten lens</i>	2	2
„ <i>demissus</i>	2	2
<i>Myacites</i> sp.	2	2
<i>Cardium</i> sp.	2	2
BRACHIOPODA.		
<i>Rhynchonella crossi</i>	2	2
<i>Terebratula</i> sp.	2	2
ANNELIDA.		
<i>Serpula</i> sp.	2	...
ECHINODERMATA.		
<i>Hyboclypus</i> sp.	1	...
Echinoderm remains	2	...
<i>Pentacrinus</i> sp.	2	...
POLYZOA.		
<i>Spiropora (Cricopora) straminea</i>	2, 1, 3	...

66 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

THE LIAS.

Upper, Middle, and Lower.

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6. Collected by T. SHEPPARD.
7. DAKYNS, FOX STRANGWAYS, and CAMERON. "Geology of Country between York and Hull," Memoirs of Geological Survey, 1886.

FOSSILS OF THE LIAS.

NAME.	Market Weighton District.	Other Localities.
REPTILIA.		
<i>Ichthyosaurus intermedius</i> , Conybear (L.L.*	1, 2, N. Cliff..	1, Givendale
" sp.	" "	"
<i>Plesiosaurus rugosus</i> (tooth), Owen (L.L.	1, Cliff .	...
" <i>brachycephalus</i> , Owen (L.L.	1 " ..	...
" sp. <i>undet</i> (L.L.) ...	6 " ..	...
PISCES.		
<i>Dapedius</i> sp. (L.L.) ...	1, 2, Cliff .	...
<i>Hybodus minor</i> , Ag. (L.L.) ...	1, 2 " ..	...
<i>Acrodus minimus</i> , Ag. (L.L.) ...	1, 2 " ..	...
CEPHALOPODA.		
<i>Ammonite (Psiloceras) planorbis</i> , Sow. ..	1, 2, Cliff ..	...
" " <i>johnstone</i> , Sow. ..	1, 2, 4 " ..	...
" (<i>Schlotheimia</i>) <i>angulata</i> , Schloth	1, 2 " ..	1, Millington 2, Ridingsbeck

*L.L. = Lower Lias.

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 67

NAME.	Market Weighton District.	Other Localities.
<i>Ammonite (Arietites) macdonnelli</i> , Portlock	...	1, Warter
" " <i>conybeari</i> , Sow. ...	1, 2 Cliff ...	...
" " <i>bucklandi</i> , Sow. ...	...	1, Millington
" " <i>sauzeanus</i> , d'Orb. ...	...	1 "
" " <i>semicostatus</i> , Y. & B. ...	...	1, Nunthorpe
" (<i>Egoceras</i>) <i>gagateum</i> , Y. and B. ...	1, Cliff ...	1, Warter
" " <i>obsoletum</i> , Simp. ...	...	1, Londesboro'
" " <i>densinodum</i> ...	...	1, Warter
" " <i>longipontinum</i> , Oppel. ...	1, 2 Cliff ...	1, Millington
" " <i>nanum</i> ? Martin ...	1 " ...	...
" " <i>armatum</i> , Sow. ...	...	1, Garrowby and Warter
" (<i>Oxynotoceras</i>) <i>oxynotum</i> , Quenst. ...	1, Cliff ...	...
" (<i>Amblyoceras</i>) <i>capricornus</i> ...	4, 5, Cliff ...	3, Everthorpe
" (<i>Amaltheus</i>) <i>spinatus</i> , Burg. ...	1, 4, 5, Mkt. Weighton	1, Hotham
" (<i>Stephanoceras</i>) <i>annulatum</i> , Sow. ...	...	1, Millington
" (<i>Lytoceras</i>) <i>cornucopia</i> , Y. and B. ...	...	1 "
" (<i>Harpoceras</i>) <i>serpentinum</i> , Rein. ...	...	1 "
" (<i>Dachylloceras</i>) <i>commune</i> , Sow. ...	...	1, Sancton
" (<i>Hildoceras</i>) <i>bifrons</i> , Brug. ...	...	1 "
" (<i>Coroniceras</i>) <i>bisulcatus</i> , Brug. ...	...	2, Ridingsbeck
" <i>mangensis</i> ? ...	...	2, "
<i>Nautilus striatus</i> , Sow. ...	1, 2, 4, Cliff ...	...
<i>Belemnites infundibulum</i> , Phil. ...	1 " ...	1, Warter
" <i>acutus</i> , Miller ...	1, Mkt.W.dist. ...	1, Millington
" <i>penicillatus</i> , Sow. ...	...	1, Warter
" <i>araris</i> , Dumont. ...	...	1 "
" <i>breviformis</i> , Voltz. ...	1, Mkt.W.dist. ...	1, Hotham
GASTEROPODA.		
<i>Hydrobia krausseana</i> , Dunker. (L.L.) ...	1, Mkt.W.dist. ...	...
<i>Euomphalus liassinus</i> = <i>Discohelix liassinus</i> , Dunker ...	1 " ...	...
<i>Acteonina fragilis</i> , Dunker (L.L.) ...	1, 2 " ...	...
<i>Discohelix striata</i> (L.L.) ...	...	...
" <i>semiclausa</i> (L.L.) ...	...	...
" <i>liassinus</i> , Dunker (L.L.) ...	2, Cliff ...	...
<i>Pleurotomaria concava</i> ? Martin (L.L.) ...	1, Mkt.W.dist. ...	...
" <i>obesula</i> (L.L.) ...	...	...
" <i>similis</i> = <i>P. anglica</i> , Sow. (L.L.) ...	1, 4, 6, Cliff ...	1, Leppington
" <i>concava</i> , Martin ...	2 " ...	...
<i>Cryptunia solarioides</i> , Sow. (L.L.) ...	1 " ...	1, Millington
" <i>rotellæformis</i> , Dunker (L.L.) ...	1 " ...	...
" <i>nucleus</i> , Terquem. (L.L.) ...	1 " ...	...
<i>Phasianella morencyana</i> , Piette (L.L.) ...	1 " ...	...
<i>Turbo solarum</i> , Piette (L.L.) ...	1 " ...	1, Millington
" <i>tenuis</i> , Terquem. (L.L.) ...	1, 4, 2, 6 " ...	...
" <i>philemon</i> , d'Orb. (L.L.) ...	1 " ...	...
<i>Encyclus elegans</i> , Münster. (L.L.) ...	1 " ...	...
" <i>acuminatus</i> , C. and D. (L.L.) ...	1 " ...	...
<i>Turritella dunkeri</i> , Terquem. ...	1, " ...	...

68 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Market Weighton District.	Other Localities.
<i>Chemnitzia transversa</i> , Blake ...	1, Cliff ...	...
" <i>unicingulata</i> , Terquem. ...	1 " ...	...
" <i>blainvillei</i> , Münst. ...	...	1, Kirby Underdale
<i>Cerithium gratum</i> , Terquem. ...	1, Cliff ...	...
" <i>semele</i> , d'Orb. ...	1 " ...	...
<i>Hydrobia solidula</i> , Dunker. ...	...	1, Warter
LAMELLIBRANCHIATA.		
<i>Avicula inaequivalvis</i> , Sow. ...	1, 3, Cliff ...	...
" <i>pattersoni</i> , Tate ...	1 " ...	...
<i>Monotis fallax</i> , Pfücker (<i>Avicula</i>) ...	1,2 " ...	...
<i>Ostrea liassica</i> , Strickland ...	1,3,2,4 " ...	1, Acklam 3, Hotham
" <i>irregularis</i> ...	1 " ...	...
" <i>ungula</i> , Münster. ...	1 " ...	...
" <i>semiplicata</i> , Münst. ...	1 " ...	...
" <i>sportella</i> , Dumort ? ...	...	1, Warter
" <i>obliquata</i> , Sow. ...	...	1, Kirby Underdale
" <i>submargaritacea</i> , Brauns. ...	1, Cliff ...	1, Hotham
<i>Pecten aequalis</i> , Quenst. ...	1,2 " ...	...
" <i>pollux</i> , d'Orb. ...	1,2 " ...	...
" <i>textilis</i> , Münster. ...	1 " ...	...
" <i>punctatissimus</i> , Quenst. ...	1 " ...	...
" <i>textorius</i> , Schloth. ...	1 " ...	...
" <i>calvus</i> , Goldf. ...	1, Mkt. W. ...	...
" <i>priscus</i> , Schloth. ...	1 " ...	1, Warter
" <i>hehlii</i> ...	...	1, Kirby Underdale
" <i>sp.</i> ...	5, Mkt. W. ...	1, Everthorpe
" <i>lunularis</i> , Römer ...	1, " ...	1, Hotham
" <i>aequivalvis</i> , Sow. ...	1, " ...	1 " "
" <i>verticillus</i> ...	...	1 " "
" <i>sublaevis</i> ...	7, Mkt. W. ...	...
<i>Astarte obsoleta</i> , Dunker. ...	1, 2, Cliff ...	1, Millington
" <i>oppeli</i> ...	...	1 " "
" <i>striato-sulcata</i> , Römer ...	...	1, 3, Hotham
<i>Cardinia ovalis</i> , Stutchberry ...	1,2,3,Mkt. W. ...	1, Millington
" <i>listeri</i> , Sow. ...	1, 4, Common ...	1, Common
" <i>crassiuscula</i> , Sow. ...	1 " ...	1, Millington, &c.
" <i>deshayesi</i> , Terquem. ...	1 " ...	...
" <i>desoudini</i> , Terquem. ...	1 " ...	...
" <i>listeri</i> var. <i>hybrida</i> ...	1, Mkt. W. ...	...
<i>Protocardium phillipianum</i> , Dunker. ...	1, 2, Common ...	1, Common
" <i>oxynoti</i> , Quenst. ...	1, Mkt. W. ...	1, Warter
" <i>truncatum</i> , Sow. ...	1 " ...	...
<i>Lima gigantea</i> , Sow. ...	1, 4, 3 " ...	1, Millington & Pocklington
" <i>terquemi</i> , Tate ...	...	1 " "
" <i>succinata</i> , Schloth. ...	1, Mkt. W. ...	...
" <i>punctata</i> , Sow. ...	1 " ...	...

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 69

NAME.	Market Weighton District.	Other Localities.
<i>Lima pectinoides</i> , Sow.	1 Mkt. W. ...	2, Ridingsbeck
„ <i>hettangiensis</i> , Terquem.	...	1, Millington & Pocklington
<i>Limea blakeana</i> , Tate	1, Cliff ...	...
„ <i>acuticosta</i> , Münster.	1, Mkt. W. ...	1, Kirby Underdale
<i>Macrodon hettangiensis</i> , Terquem.	1, 2, Mkt. W.D and Cliff ...	...
„ <i>naviculus</i> , Terq. and Piette.	1, Cliff ...	...
„ <i>intermedius</i> , Simpson	...	1, Garrowby
„ <i>pulchellus</i>	...	1, Kirby Underdale
<i>Modiola minima</i> , Sow.	1, 2, Mkt. W. 4, 3, Cliff ...	1, 3, Leavening Acklam, and Hotham
„ <i>laevis</i> , Sow.	1, 2, Mkt. W. ...	...
„ <i>hillana</i> , Sow.	...	1, Millington
„ <i>numismalis</i> , Oppel.	...	1, Kirby Underdale
<i>Pleuromya crowcombeia</i> , Moore	1, 2, Mkt. W. 4, Cliff ...	1, 3, Hotham, Acklam, etc.
„ <i>ovata</i> , Römer	1, Mkt. W. ...	...
„ <i>costata</i>	1, Cliff ...	2, Ridingsbeck
<i>Ceromya infralassica</i> , Terq.	1 ...	1
<i>Pholadomya glabra</i> , Ag.	1, 3 ...	...
„ <i>ambigua</i> , Sow.	1, Mkt. W. ...	...
<i>Gryphaea arcuata</i> = <i>G. incurva</i> , Lam.	1, 3, Common ...	1, Common
„ <i>obliquata</i> , Sow.	1, Mkt. W. ...	...
<i>Anomia alpina</i> Wisch.	...	1, Millington
„ <i>striatula</i> , Oppel.	...	1, ...
<i>Plicatula liasina</i> , Terq.	...	1
„ <i>spinosa</i> , Münst.	1, Mkt. W. ...	...
<i>Perna infralassica</i> , Quenst.	1 ...	...
<i>Pinna hartmanni</i> , Zieten.	1 ...	...
„ <i>folium</i> , Y. and B.	...	1, Garrowby and Warter
<i>Hippopodium ponderosum</i> , Sow.	1, Mkt. W. ...	...
<i>Leda renevieri</i> , Oppel.	1 ...	...
„ <i>texturata</i> , Terq.	1 ...	...
„ <i>galathea</i> , d'Orb.	...	1, Warter
„ <i>minor</i> , Simpson	...	1
<i>Cardita heberti</i> , Terq.	1, Mkt. W. ...	1, Millington
<i>Lucina limbata</i> , Terq.	1 ...	...
<i>Saxicava arenicola</i> , Terq.	1 ...	...
<i>Myoconcha inclusa</i> , Terq.	...	1, Millington
„ <i>psilonoti</i> , Quenst.	1, Mkt. W. ...	...
<i>Unicardium cardioides</i> , Phil.	1 ...	...
<i>Monotis inaequivalvis</i> , Sow.	1 ...	...
<i>Nucula cordata</i> , Goldf.	...	1, Warter
<i>Arcomya vetusta</i> , Phil.	...	1, Warter and Kirby Underdale
„ <i>longa</i> , Buvig.	1, Mkt. W. ...	...
<i>Gresslya intermedia</i> , Simpson	1 ..	...

70 DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS.

NAME.	Market Weighton District.	Other Localities.
BRACHIOPODA.		
<i>Waldheimia sarthacensis</i> , d'Orb. ...	1, Mkt. W. ...	1, Garrowby
„ <i>resupinata</i> ...	5 „ ...	1, Everthorpe
<i>Rhynchonella plicatissima</i> , Quenst. ...	1 „ ...	1, Millington, etc
„ <i>furcillata</i> , von. Buch. ...		1, Kirby
„ <i>variabilis</i> , Schloth. ...		Underdale
„ <i>tetrahedra</i> , Sow. ...	1, 5, Mkt. W. ...	1, Warter
<i>Terebratula punctata</i> , Sow. ...	1 „ ...	1, Hotham
„ <i>edwardsii</i> ...	7 „ ...	1 „
ANNELIDA.		
<i>Galeolaria socialis</i> , Goldf. ...	1, 3, Mkt. W. ...	...
<i>Serpula plicatilis</i> , Goldf. ...	1 „ ...	...
<i>Ditrypa capitata</i> , Phil. ...	1 „ ...	...
ECHINODERMATA.		
<i>Cidaris edwardsii</i> , Wright ...	1, 2, Mkt. W. ...	9, Cliff
<i>Hemipodina tomesii</i> , Wright ...	1, 2 „ ...	...
<i>Pentacrinus psilonoti</i> , Quenst. ...	1, 2 „ ...	...
„ <i>britannicus</i> ...	2 „ ...	...
<i>Holothuria</i> sp. ...	1 „ ...	...
CRUSTACEA.		
<i>Bairdia liassica</i> , Brodie ...	1, 2, Mkt. W. ...	1, Millington, etc
„ <i>elongata</i> ...		1 „
<i>Oythere blakei</i> , Jones ...	1, 2, Mkt. W. ...	...
„ <i>moorei</i> , Jones ...	1, 2 „ ...	...
„ <i>terquemi</i> , Jones ...	1, 2 „ ...	...
„ <i>translucens</i> ...	1 „ ...	...
INSECTA.		
<i>Libellula</i> sp., Tate and Blake ...	1, Mkt. W. ...	...
<i>Chaulioidites minor</i> , Blake ...	1, 2 „ ...	...
ACTINOZOA.		
<i>Montivalvia haimeii</i> , C. and D. ...	1, 2, Mkt. W. ...	1, Millington
„ <i>polymorpha</i> , Terq. ...	2 „ ...	...
<i>Septastræa excavata</i> , From. ...	1, 2 „ ...	...
PLANTÆ.		
<i>Alethopteris</i> sp. ...		1, Givendale

DRAKE AND SHEPPARD: CLASSIFIED LIST OF ORGANIC REMAINS. 71

NAME.	Market Weighton District.	Other Localities.
FORAMINIFERA.		
<i>Cornuspira infirma</i> , Strickland	1, Cliff	...
<i>Miliola scheibersii</i> , d'Orb.	1, "	...
<i>Trochammina irregularis</i>	1, "	...
<i>Lituola globata</i>	1, "	...
<i>Lagena levis</i> , Montfort.	1, "	...
" <i>natrii</i>	1, "	...
" <i>elongata</i> , Ehrenburg	1, "	...
" <i>ovata</i> , Terq.	1, "	...
<i>Glandulina paucicosta</i> , Römer	1, "	...
<i>Lingulina tenera</i> , Bornemann	1, "	1, Millington and Warter
" <i>striata</i>	1, "	...
<i>Nodosaria radricula</i> , L.	1, "	1, Warter
" <i>raphanus</i> , L.	1, "	...
" <i>raphanistrum</i> , L.	1, "	...
" <i>nitida</i> , d'Orb.	1, "	...
<i>Dentalina funiculosa</i> , Terq.	1, "	1, Warter
" <i>burgundiae</i> , Terq.	1, "	1, "
" <i>communis</i> , d'Orb.	1, "	1, Millington
" <i>breoni</i> , Terq.	1, "	...
" <i>oligostegia</i> ? Terq.	1, "	1, Millington
" <i>planata</i>	1, "	...
" <i>pauperata</i> , d'Orb.	1, "	...
" <i>brevis</i> , d'Orb.	1, "	...
" <i>tecta</i> , Terq.	1, "	...
" <i>nodosa</i> , d'Orb.	1, "	...
" <i>monilis</i> , Cornuel.	1, "	Millington
" <i>glandulosa</i> , Terq.	1, "	...
" <i>nummulina</i> , Gumbel.	1, "	1, Millington
<i>Marginulina raphanus</i> , L.	1, Cliff	1, Warter
" <i>picta</i> , Terq.	1, "	1, Millington
" <i>römeri</i> , Reuss.	1, "	...
" <i>depressa</i>	1, "	...
" <i>unicostata</i> , Terq.	1, "	...
" ? <i>paulinie</i> , Terq.	1, "	...
<i>Cristellaria pauperata</i> , Jones and Parker	1, "	...
" <i>recta</i> , d'Orb.	1, "	1, Millington
" <i>major</i> , Bornemann	1, "	1, Warter
" <i>cuspidula</i> , Ficht.	1, "	1, Millington and Warter
" <i>bronni</i> , Römer	1, "	1, "
" <i>varians</i> , Bornemann	1, "	1, "
" <i>globifera</i>	1, "	1, "
" <i>rotulata</i> , Lam.	1, "	1, "
<i>Flabellina rugosa</i> , d'Orb.	1, "	...
<i>Fronicularia complanata</i> , DeFr.	1, "	...
" <i>sulcata</i> , Bornem.	1, "	...
" <i>nodosaria</i> , Terq.	1, "	...
<i>Polymorphina fusiformis</i> , Römer	1, "	...
" <i>compressa</i> , d'Orb.	1, "	...
" <i>problema</i> , d'Orb.	1, "	...
" <i>simplex</i> Terq.	1, "	...
" <i>distincta</i> , Terq.	1, "	...
<i>Puvinulina elegans</i> , d'Orb.	1, "	1, Millington