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stratigraphical breakdown of this interval, based on the stradnerliths, has not been successful to date, either due to their small size (i.e. the specimens have been overlooked), or because the stratigraphically restricted forms are too rare to be of zonal use. However, the proposed nannofossil zonation, which is at present little better than that of the ammonite stage, is still provisional and must await the future development of sample examination techniques (e.g. laser microscopy). This will lead to a greater accuracy and confidence of species location and identification, and the coccolith zones will be as refined as their ammonite counterparts.

Computer generation of dendrogram displays of similarity matrices of “distance” or “correlation” coefficients of selected coccolith species together with their locations in the boreholes is another method of objectively assessing the biostratigraphic potential of these species. A summary of this method can be found in any textbook concerned with the analysis of multivariate data and most computers can run the relevant programmes. Runs of “raw” sample data give a very tenuous positive result, whatever species are chosen. However, if the sample data are “lumped” together into their ammonite zonal equivalents, and the species used in the matrix analysis are restricted to podorhabdids, staurorhabdids or stradnerlithids/stephanolithids, then the degree of correlation is much higher and can be “most significant” (e.g. the staurorhabdids of the Gamlingay Borehole “lumped” data). This analytical work is still in its infancy and again depends on an accurate and quantitative examination of the samples. It is considered that it will be a very useful biostratigraphical/palaeoecological tool of future coccolith work.

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<i>Polypodorhabdus madingleyensis</i>	66	[<i>sigmoides</i> (<i>Zycolithus</i>)]	45
[<i>ponticulus</i> (<i>Zycolithus</i>)]	46	<i>Sollasites</i>	67
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[<i>primulus</i> (<i>Crucirhabdus</i>)]	36	<i>Sollasites lowei</i>	67

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<i>speciosum elongatum</i> (<i>Stephanolithion</i>)	52	<i>Thoracosphaera saxea</i>	75
[<i>speciosum octum</i> (<i>Stephanolithion</i>)]	52	<i>Tremalithus</i>	59
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[<i>speetonensis</i> (<i>Diadorhombus</i>)]	47	<i>Tremalithus placomorphus</i>	59
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