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CONTENTS

	Page
Editorial	1
[Obituary] - Paul S. Whittlesea (1957-2007)	[3]
[Publication List - 1983[a] -2007[b]] - Paul S. Whittlesea	[6]
Whittlesea, P.S. Correlating the Inland and Coastal Beeston Chalk of Norfolk.	9
Whittlesea, P.S. Further observations on the Beeston Chalk in the vicinity of Water Lane, West Runton.	33

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CORRELATING THE INLAND AND COASTAL BEESTON CHALK OF NORFOLK

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ABSTRACT

A correlation of the Beeston Chalk between the coastal section at Sheringham-West Runton and the inland sections, principally that at Caistor St. Edmund, is proposed. Clarification of the likely position of the main Catton Sponge Bed (CSB 3) on the foreshore at Sheringham in front of the easterly located Lifeboat Station, allows more confident identification of the base of the Beeston Chalk on the coast and reduces the length of the intertidal outcrop from 4.4 km (Whittlesea, 2006) to ~3.2 km. Using the height of a composite vertical section of the inland Beeston Chalk exposures, and its correlation with the coast, a coastal dip of 6.4 m/km is calculated. The calculated thickness of the Beeston Chalk on the coast is consequently revised down from ~26 m (Whittlesea, 2006) to ~20 - 21 m, which verifies earlier estimates. Review of the inland Beeston Chalk stratigraphy includes new proposals for correlation between the sections at Caistor St. Edmund, Stoke Holy Cross and Frettenham.

Paul S. Whittlesea (1957-2007)

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FURTHER OBSERVATIONS ON THE BEESTON CHALK IN THE VICINITY OF WATER LANE, WEST RUNTON

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ABSTRACT

September 9th 2006 saw the highest tide on the north Norfolk coast for more than 20 years. Associated with this was a corresponding exceptionally low tide that enabled the chalk immediately to the west of Water Lane, West Runton to be examined in far greater detail than hitherto possible. It was established that the apparent absence of any chalk in between flint bands was not due to a structural anomaly but to the extreme hardness of the chalk.

Paul S. Whittlesea (1957-2007)

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