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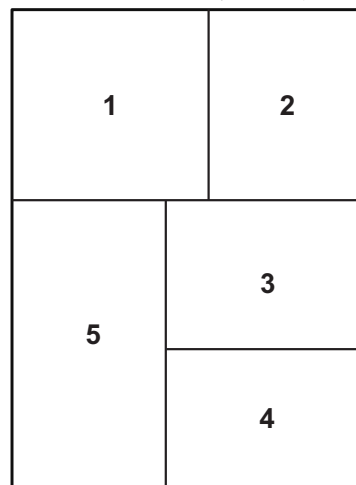
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**Cover photographs:** This Issue's front- and back-cover photographs illustrate aspects of the Peak–Speedwell cave system at Castleton in the Derbyshire White Peak. The publication by É-A Martel in 1897, which reappears in the form of a new translation in this Issue, was the first modern scientific paper to discuss the (then known) details of this system and its hydrology, studies of which are still in progress. The photos show parts of the cave not visited by Martel, including Moss Chamber, named for Neil Moss, who became trapped and died there in 1959 when trying to extend the cave.

**Front cover:** Calcite cascade in Moss Chamber – Peak Cavern. The entrance pool (see Back Cover) is at the bottom left of the frame.

Photo by Rob Eavis, with Dan Sullivan providing the scale.

**Back cover:** See the key below (numbered clockwise from top-left). All photos by Rob Eavis except Cadbury Crawl (Image 3) by Jerry Wooldridge.



**Image 1** Katie Eavis in The Tube, a superb phreatic passage in the Peak Cavern Main Streamway, which is upstream of Buxton Water Sump. Martel probed the sump but fortunately did not attempt to dive it, because it is more than 60m to the first air-bell.

**Image 2** Dave Gavins in the entrance pool to Moss Chamber.

**Image 3** Mark Noble in Peak Cavern's Cadbury Crawl during the 1970s. This is one of many passages in the cave where a partial or, in some cases, complete sediment-fill has been removed by cavers, a process that continues to the present. The mud from Cadbury Crawl was removed by a 'flopjack' system\*: a bucket collected drips of water at the foot of Wigwam Aven; whenever the bucket was full it tipped up, dispensing the water to slowly wash the mud away while the empty bucket automatically re-set itself ready to be refilled. At the time the scientific importance of the sediment was not recognized but modern diggers are encouraged to preserve sections through passage-fills that can be studied in the future. [\* See, e.g., Hall, B, 1991. Cave exploration – digging and climbing. p.119 in Chapter 5 (109–129) in Judson, D (Ed.), *Caving Practice and Equipment*. 2nd Edition. [Leicester: Cordee/BCRA.]

**Image 4** When Martel suggested that water from Speedwell Cavern drained to Peak Cavern he was clearly unaware of the size of the main streamway. Image 4 shows Andy Chapman in Speedwell's Lower

**Image 5** Bung Series, which fills to the roof at times of high flow. Image 5 shows Imogen Furlong in the stream at the bottom of The Bung.

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