We begin this month’s *Weather* with a paper by David Schultz and Keith Browning on p. 63 describing the features associated with ‘sting jets’. These jets have particular characteristics and it is important that forecasters and analysts know what they must look for, if this often-damaging feature of mid-latitude depressions may develop to bring gales or storms to the surface. This very well-written paper is a warmly recommended highlight.

On p. 67, we turn to the effects of the 2015 solar eclipse in the Czech Republic. In ‘Microclimate changes in a spruce stand and meadow ecosystem during a solar eclipse in the Czech Republic’ Ondřej Nezval and Marian Pavelka describe a comprehensive series of weather measurements taken at several elevations at high resolution. The results – even from this a partial eclipse – are remarkable.

Our next paper examines the development of small-scale circulation on cold fronts visible in satellite imagery. Using a particular example, David Smart describes these features associated with line convection in ‘Miso-vortices along an oceanic cold front – 27 November 2015’ on p. 73.

The summer monsoon of southern Asia is of great importance to agriculture and may have significant effects on life – in particular in the drier areas that frequently experience great variations in annual rainfall. In ‘Prediction of summer rainfall in Pakistan from global sea-surface temperature and sea-level pressure’ on p. 76, Muhammad Adnan and his co-authors attempt to take some of the uncertainty from the predictions by analyzing data from upland Pakistan in relation to global meteorological variability in the months leading up to the summer monsoon.

Finally, we turn to an examination of the advantages and disadvantages of thermometers that used linseed oil. Although now unused, they were an important contributor to the temperature record in the 18th and early-19th centuries. Dario Camuffo and Antonio della Valle describe the development and use of these thermometers, as well as the errors associated with them in ‘The Newton linseed oil thermometer: an evaluation of its departure from linearity’ on p. 84.

doi:10.1002/wea.2984