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Finite Groups and Beyond.

The completion of the classification of the finite simple groups in 2004 by Aschbacher and Smith is a monumental milestone in the field. It has enabled the verification of numerous old conjectures, most recently Brauer's Height Zero Conjecture. However, deep facts beg for explanations, not merely taxonomic verifications. I shall describe some recent developments in the new area of saturated fusion systems (Frobenius categories), which offer hope of shedding new light on these matters. (Received July 31, 2012)