1134-16-127　　　　　**Richard M. Green*** (`rmg@euclid.colorado.edu`), Department of Mathematics, University of Colorado Boulder, Campus Box 395, Boulder, CO 80309-0395. *The nil Temperley–Lieb algebra of type affine C.*

The nil Temperley–Lieb algebra of type affine C is a certain infinite-dimensional associative algebra. It can be defined either in terms of generators and relations, or as an algebra of creation and annihilation operators on certain particle configurations. The algebra turns out to have an interesting combinatorial structure, and I will discuss the extent to which this can be used to understand the representation theory of the algebra. (Received August 29, 2017)