1018-37-32   **Richard Montgomery*** (`rmont@math.ucsc.edu`), R Mont, Math, UCSC, Santa Cruz, CA 95064.
          Infinitely many syzygies, redux.

We consider the zero angular momentum Newtonian three-body problem with any (positive) mass ratios and negative energy. A syzygy is a collinear configuration. We prove that with the exception of Lagrange's equilateral triangle solution every solution suffers syzygies. The method and results continue those of a previous paper. The result sets the stage for a symbolic dynamical description whose symbols are the three types of syzygies.