

**Meeting:** 1001, Evanston, Illinois, SS 13A, Special Session on Algebraic Topology: Interactions with Representation Theory and Algebraic Geometry

1001-55-334      **Andrew Mauer-Oats\*** ([amauer@math.northwestern.edu](mailto:amauer@math.northwestern.edu)), Mathematics Department,  
Northwestern University, 2033 Sheridan Road, Evanston, IL 60202. *The Goodwillie derivatives of a monoid*. Preliminary report.

The derivatives of a monoid appear to have an operad structure. This talk may explain that phenomenon. For the identity functor, the one sees the ‘stable  $\mathrm{Lie}_n$  representations’. (Received August 30, 2004)