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**Jonathan E Beagley\*** ([jon.beagley@valpo.edu](mailto:jon.beagley@valpo.edu)), 1900 Chapel Drive, Valparaiso, IN 46383, and **Paul Drube** ([paul.drube@valpo.edu](mailto:paul.drube@valpo.edu)), 1900 Chapel Drive, Valparaiso, IN 46383. *The Raney generalization of Catalan numbers.*

The Raney numbers  $R_{p,r}(k)$  are a two-parameter generalization of the Catalan numbers. We will give a new combinatorial interpretation for the Raney numbers in terms of planar embeddings of a collection of trees. This interpretation generalizes the usual interpretation of the  $p$ -Catalan numbers. These results are applied to specific Raney numbers, and we show how these relate to counting certain types of non-elliptic  $A_2$  webs with specific boundary words. (Received August 05, 2015)