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**Andrew Nevai\*** ([math.anevai@gmail.com](mailto:math.anevai@gmail.com)), Department of Mathematics, University of Central Florida, Orlando, FL 32816, and **Wichanon Sae-jie**. *A model of island community dynamics incorporating niches and species rank.*

We describe a model for species migrating between islands. Each island has a certain number of niches that species can occupy. A species can colonize an island provided that there are niches available. If there is no available niche, then it can replace a species already on the island provided that the colonizing species has a higher competitive ability than at least one existing species. Some results will be presented connecting colonization and extinction. (Received January 21, 2020)