1023-Z1-1892   **John C. Merkel*** (`jmerkel@morehouse.edu`), Morehouse College, 830 Westview Drive, S.W., Atlanta, GA 30314. *Undergraduate Research Projects using Artificial Neural Networks.*

I will report on several research projects conducted by junior/senior level undergraduates. In the projects students build and train neural networks to forecast a desired variable, such as stock prices or currency values. Students learn about basic backpropogation neural networks, data processing and statistics. (Received September 27, 2006)