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**Steven W. Seif\*** ([swseif01@louisville.edu](mailto:swseif01@louisville.edu)), Dr. Steve Seif, Mathematics Department,  
University of Louisville, Louisville, KY 40292. *Asymptotic growth of free spectra of  
monoids*. Preliminary report.

The classification of asymptotic classes for free spectra of finite groups was accomplished by P.M. Neumann and G. Higman in the sixties. The classification problem for finite monoids is an important one, as will be explained. Recent results, problems and conjectures concerning the classification will be presented. (Received September 28, 2005)