1023-11-67 **Tewodoros Amdeberhan** (tewodros@math.princeton.edu), Department of Mathematics, Tulane University, New Orleans, LA 70118, **Dante V. Manna*** (dantemanna@gmail.com), Department of Mathematics and Statistics, Dalhousie University, Halifax, NS B3H 3J5, Canada, and **Victor H. Moll** (vhm@math.tulane.edu), Department of Mathematics, Tulane University, New Orleans, LA 70118. *Divisibility Properties of Integer Sequences.*

We examine the 2-adic valuations of the Pochhammer symbol, $(m)_l$, for l an arbitrary fixed integer and $m > l$. This problem relates to another integer sequence arising from an integral evaluation. In this research, Mathematica plots are used extensively to view patterns in the sequences.

We then use a similar methodology to analyze divisibility properties of Stirling numbers of the second kind. The experimental results are beguilingly complicated. (Received July 26, 2006)