1067-11-628 **Hung-ping Tsao** (tsaohp.tsao6@gmail.com), 1151 Highland Drive, Novato, CA 94949, and **Tingyao Xiong*** (txiong@radford.edu), Department of Mathematics and Statistics, Radford University, Radford, VA 24142. *Extensions of Eulerian Numbers to More General Triangular Arrays.*

We realize that the first-order Eulerian numbers are nothing but the coeffcients in a linear combination of binomial coefficents for the powered sum of the natural sequence. Doing the same for the Stirling numbers of both kinds, we obtain the second-order Eulerian numbers and alternate Eulerian numbers. By generalizing these numbers for arithmetically progressive sequences, we further recognize reursive formulas of such numbers for any sequence in a commutative ring. Based on various recursive formulas, we obtain a broader spectrum of triangular arrays of numbers for the underlying sequences such as Fibonacci numbers and q-sequence (powers of q). (Received September 22, 2010)