Join us for High School Math Night, now combined with the Madison Math Circle

Monday, October 1
6:00pm, B223 Van Vleck Hall
UW-Madison Campus.

Prof. Richard Askey will speak on

Counting: to and then beyond the binomial theorem

How many ways can zeros and ones be put into $n$ places? It is easy to see this is $2^n$. It is also easy to show that there are $n!$ ways of ordering $n$ different objects. There are problems which go beyond these two. How many ways can $k$ zeros and $n-k$ ones be put into $n$ places? How many inversions are there in the $n!$ ways of ordering the numbers $1, 2, \ldots, n$. [123 has no inversions, 132 has one, 312 has two, 321 has three]. These will lead us to what has been called “The world of $q$”.

►FREE PIZZA will be served◄

For more info, google “Madison Math Circle” and go to the Uwmathwiki.