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**George E Andrews\*** ([andrews@math.psu.edu](mailto:andrews@math.psu.edu)), 306 McAllister Bldg., Mathematics Department,  
The Pennsylvania State University, University Park, PA 16802. *Our Challenges*.

We live in "interesting times." Basic mathematics education in the United States is inadequate. The Common Core State Standards Initiative has been produced to rise to this challenge. The lecture method of college teaching is viewed as antiquated and expensive. On-line instruction is cutting edge and much cheaper. The value of fundamental mathematical and scientific research has been called into question. The Science of Science Policy using Star Metrics hopes to provide evidence of value. This talk will be devoted to an analysis of these and other challenges and currently proposed responses. Underlying philosophical issues will be addressed. Not everything I say will be gloomy. (Received September 20, 2011)