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**Jerry L Bona\*** (bona@math.uic.edu), Univeristy of Illinois at Chicago, Department of Math, Statistics & Computer Sci, 851 S. Morgan Street MC 249, Chicago, IL 60607. *Rogue Waves in Optical Cables.*

Originally an oceanographic phenomenon, rogue waves have recently been found in optical cables. We examine a model for the propagation of light pulses in fiber optics cables with an eye to determining the genesis of such large amplitude waves. (Received September 13, 2010)