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Greg S Spradlin* (spradlig@erau.edu), ERAU Department of Mathematics, 600 S. Clyde Morris Bv., Daytona Beach, FL. *A BBM Equation with a Superlinear Forcing Term*. Preliminary report.

A form of the Benjamin-Bona-Mahony equation is considered with a forcing term that includes the dependent variable. Existence and uniqueness of solutions for all time is proven. The forcing term may grow more rapidly than a linear function of the dependent variable. (Received February 06, 2008)