

1086-76-2402

**John D Carter\*** (carterj1@seattleu.edu), Seattle University, 901 12th Ave, Seattle, WA 98122, and **Harvey Segur** and **David George**. *Dispersion in shallow water*.

In a series of physical experiments of surface water waves, dispersion appears to play a very important role in the evolution of waves of depression. This suggests that the (nondispersive) shallow-water equations miss some important features of the wave evolution. In this talk we compare measurements from a series of shallow-water experiments with numerical simulations of the classic shallow-water, Korteweg-deVries, and other dispersive equations. (Received September 25, 2012)