

Media Advisory, National Workshop on Nonlinear Waves

April 7, 1988

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MEDIA ADVISORY: To Science Writers, Editors

EVENT: A national Workshop on Nonlinear Waves sponsored by the UCSD Institute for Nonlinear Science and the NASA Ames Research Center

DATES: April 12-14, 1988

TIMES: 9 a.m. to 5:15 p.m. April 12 and 13; 9 a.m. to noon April 14

LOCATION: Center for Magnetic Recording Research, Auditorium

PROGRAM: Approximately 50 scientists in fields ranging from zoology to astrophysics will gather to talk about systems and phenomena involving nonlinear waves. Nonlinear waves represent the opposite, more orderly end of the nonlinear spectrum from chaos and turbulence. The mathematical concepts can be used to describe phenomena as diverse as subsurface currents in the ocean and the propagation of nerve impulses along axons. Topics of the workshop will include rotating waves, flaming waves, population waves, biochemical waves, plasma waves, chaotic waves and vibronic solitons (solitary waves).

INTERVIEWS: For assistance in arranging interviews with any speakers or participants or with workshop organizer Katja Lindenberg, a UCSD chemistry professor, whose research involves vibron solitons, please call Yvonne Baskin.

(April 7, 1988)