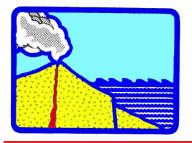
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# SCIENCE OF TSUNAMI HAZARDS

#### The International Journal of The Tsunami Society Volume 25 Number 1 **Published Electronically** 2006 EMERGENCY PLANNING IN NORTHERN ALGERIA BASED ON REMOTE SENSING DATA IN RESPECT TO TSUNAMI HAZARD PREPAREDNESS 3 Barbara Theilen-Willige Technical University of Berlin, Stockach, GERMANY MODELING THE ASIAN TSUNAMI EVOLUTION AND PROPAGATION WITH A NEW GENERATION MECHANISM AND A NON-LINEAR **DISPERSIVE WAVE MODEL** 18 Paul C. Rivera PEERS Coastal Research, Antipolo City, PHILIPPINES TWO-DIMENSIONAL SIMULATIONS OF EXPLOSIVE ERUPTIONS OF **KICK-EM JENNY AND OTHER SUBMARINE VOLCANOS** 34 Galen Gisler and Robert Weaver Los Alamos National Laboratory, Los Alamos, NM, USA Michael L. Gittings SAIC, Los Alamos, NM, USA WAVE DISPERSION STUDY IN THE INDIAN OCEAN TSUNAMI **OF DECEMBER 26, 2004** 42 Juan Horrillo and Zygmunt Kowalik University of Alaska, Fairbanks, AK, USA Yoshinori Shigihara National Defense Academy of Japan, JAPAN

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