The Experiment

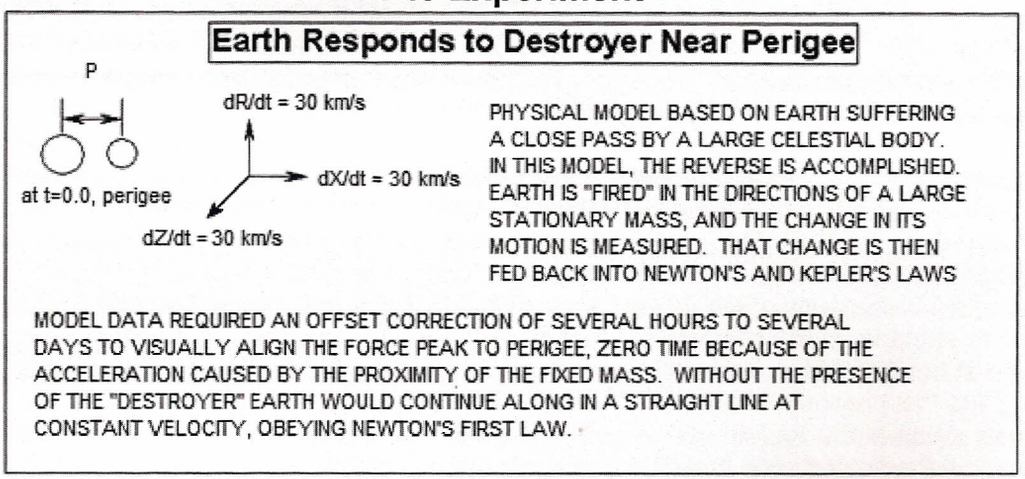

Figure 4

what to do, if the powers that be make some concerted efforts to evacuate all low lying areas within hundreds of miles of the usual beach, and everything below 1,000' MSL altitude far inland. The seriously dangerous ocean tides start a day-and-a-half before and run until a day-and-a-half after Perigee[25], adding to the normal height but in odd directions, building with the normal tides to wash away beachfront areas and ports. Destroyer causes open ocean tides run 3.6', 8.4', 46', 230', 46', 8.4', 3.6' at t = -36 hrs, -24 hrs, -12 hrs, 0, 12 hrs, 24 hrs, and 36 hrs respectively. The long term history of tides at Norfolk, Virginia, suggests that Norfolk, and harbors like Norfolk, experience an amplification of 1.46 times the open ocean tide. If we can extrapolate the experience of the 2004 Indonesian earthquake and resulting tsunami, the open ocean tide (because of its unusual genesis, who knows?) may be magnified by a factor of 54 as it rushes up the beaches, and will overrun the usual high tide point by a factor of 4000 times the open ocean height. These results are laid out in Table 1 below.

Table 1
Earth Tidal Effects Due to Proximity of the Destroyer

Model Time	-36 hrs	-24 hrs	-12 hrs	0 hrs	12 hrs	24 hrs	36 hrs
Height of Open Ocean Tide in Feet (ft)	3.6	8.4	46.0	230.0	46.0	8.4	3.6
Harbor Tide assuming gain of 1.46 (ft)	5.3	12.3	67.2	335.8	67.2	12.3	5.3
Beach Wave Height at a gain of 45 (ft)	162	378	2070	10350.0	2070.0	378.0	162
Run up assuming gain of 4000 (miles)	2.7	6.4	34.8	174.2	34.8	6.4	2.7

Even the "little" tide *only* 3.6 feet high in the open ocean will do significant damage to beachfront properties and unprotected harbor areas, reaching inland a potential 2.7 miles. Open Ocean Tides will reach 230 feet[26] with the "wave" rising at a rate of 20 meters (65') per hour, then going out at the rate of 20 meters (65') per hour[27] around Model Time = 0, Perigee. On the beach line at mean sea level the "tidal wave" will be coming in and going out at the impressive rate of 900

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[25] See figure 4-29 in Appendix 4
[26] See figures 4-28, 4-29 in Appendix 4
[27] See figures 4-30 in Appendix 4