

Saturn's Storm, Earth's Unrest ... And Science's Silence

By itself, the great storm spanning 30 degrees of latitude across Saturn's northern hemisphere, first detected in December 2010, is not a significant trend. Events such as these, traditionally called Great White Spots, have been noted approximately every 29 years since 1876. The unexpected appearance of this year's storm only 21 years after the last, raises questions about the prevailing theory that such storms are caused by return of the orbit to Summer solstitial position. Yet it is surely not, by itself, any cause for alarm.

Neither is the shocking rise in frequency of earthquakes of magnitude greater than 8.0 over the last decade, significant in itself. The 13 great earthquakes from 2000 to 2009, surpassed any previous decade since measurements became available. Subsumed within this was an unprecedented spate of mega-quakes, defined as 8.6 or greater, beginning with the magnitude 9.0 earthquake/tsunami off the coast

of northern Sumatra in 2004.¹ Nor is the increased occurrence of cataclysmic volcanoes measuring 4 or greater on the Volcanic Explosivity Index, which began to show itself in the first decade of this century, and continues through the second, by itself of significance (Figure 1).

Nor is the dramatic increase in severe tornadoes experienced so far this year in the continental United States, of any significance by itself. As of May 24, the

1. C.G. Bufe and D.M. Perkins, "The 2011 Tohoku Earthquake: Resumption of Temporal Clustering of Earths Megaquakes," April 14 poster session, Seismological Society of America annual meeting (2011).

"We now have, within 6.3 years, four M 8.6 and greater events in the ongoing global cluster, including two megaquakes of M 9 and larger. Given the nearly 40 years of relative quiescence preceding the present cluster, this represents a very significant change in global moment release rate. These two clusters of M 9.0 and above since 1900 have a probability of less than 2 percent of having occurred randomly."

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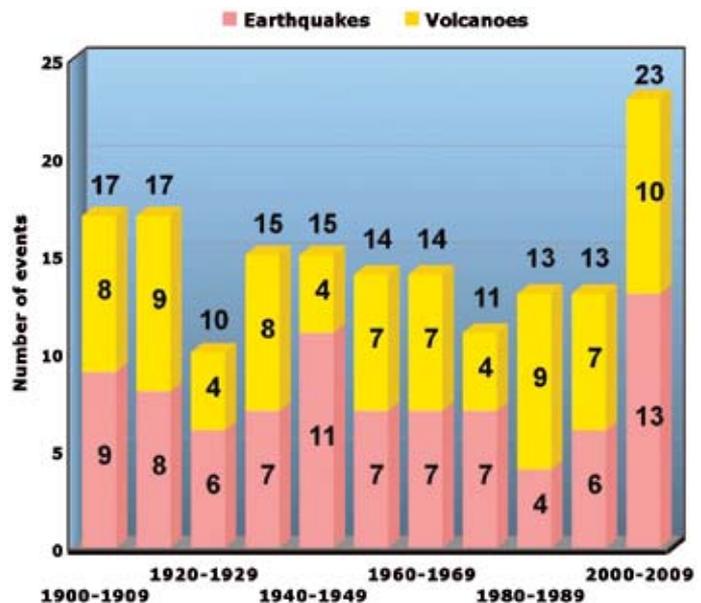
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Figure 1
EARTHQUAKES MAGNITUDE 8.0+ AND VOLCANOES VEI 4+



VEI = Volcanic Explosivity Index, a logarithmic scale.

number of severe F4 and F5 tornadoes already equals or exceeds the entire yearly count of all but three previous years in the past 61 years since modern record-keeping began. (Figure 2).

By itself, no one of these events could be assumed to be anything more than an aberration in an astronomical, seismic, or meteorological process which is not perfectly understood. Yet taken together, we see indications of an Earth and a Solar System in a state of unusual ferment.

Taken together—that is the key point. Conventional scientific prejudice, which reflects the methodological sickness that has taken over modern science since the late 1920s Solvay conferences, militates against this standpoint. Now, the time has come to cure the illness. Not only for the good of science, but for the very survival of humanity itself. We have no assurance that the just-described effects are not a sign of worse to come. We don't know that they are. But neither do we

know they are not. We do not know that another extinction event, of the sort recorded in the sedimentary record, is not in progress or about to happen.

There is hesitancy to accept that. For some, the reasons are mixed. Thirty years of apocalypse-mongering over global warming has taught many of us to be wary of alleged frightening trends, invoked to manipulate us into a panic that always turns out to be motivated by the desire to stop industrial progress and reduce world population.² It scarcely needs stating here, that we have been and remain opposed to that piece of genocidal mockery. We speak rather of a real threat to mankind, which requires, not austerity, but a vast increase in our scientific and physical economic capabilities to deal with.

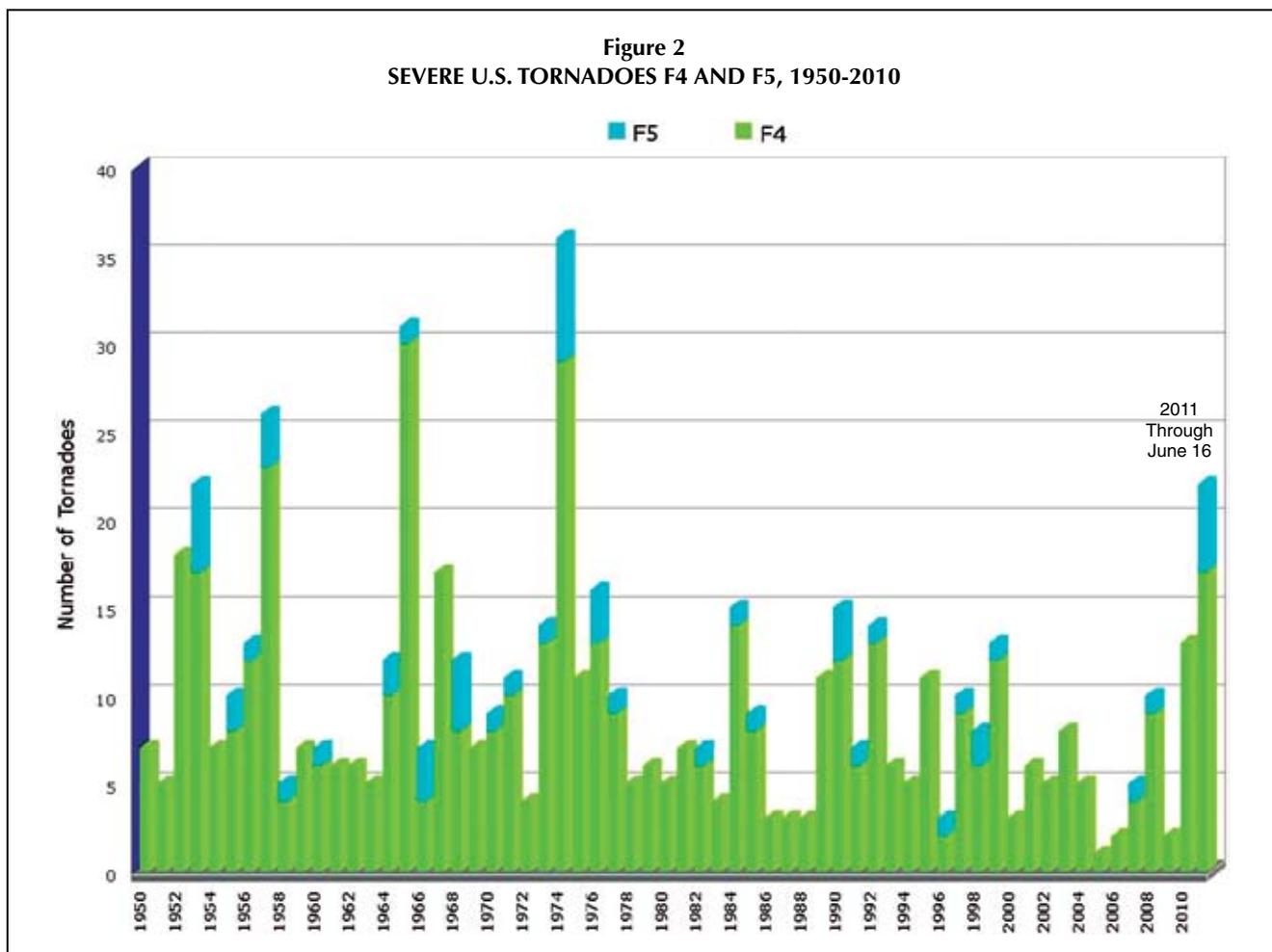
Contrary to widespread propaganda and pessimism, we now possess, or are on the verge of possessing, the capability to forecast many of these events, and thus to take preventive action to save lives. Take the case of earthquakes, the most devastating of the cataclysms presently threatening. As Prof. Sergei Pulinets and collaborators have documented, retrospective analysis of the March 11 Tohoku earthquake in Japan has demonstrated once again that certain known transient atmospheric anomalies are present in the period leading up to an earthquake.³

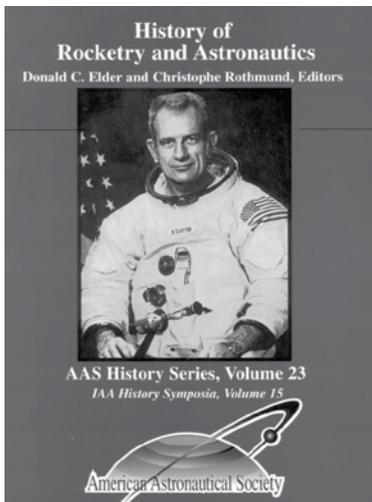
In the case of the Japan quake on March 8, a rapid increase of emitted in-

2. Marjorie Mazel Hecht, "Where the Global Warming Hoax Was Born," *21st Century*, Fall 2007, pp. 64-68. <http://www.21stcenturysciencetech.com/Articles%202007/GWHoaxBorn.pdf>

3. Dimitar Ouzonov, Sergey Pulinets, et al., "Atmosphere-Ionosphere Response to the M9 Tohoku Earthquake Revealed by Joined Satellite and Ground Observations. Preliminary Results" (2011) <http://arxiv.org/ftp/arxiv/papers/1105/1105.2841.pdf>

An interview with Professor Pulinets from April 11, 2011 can be seen at <http://www.larouchepac.com/node/17944?page=2&lid=0-0-2>





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frared radiation was observed in the satellite data and an anomaly developed near the epicenter. The Total Electron Count (TEC) data obtained by processing data from the GPS system showed an increase and variation in electron density also reaching a maximum value, also on March 8, three days before the quake.

An abnormal variation in the Total Electron Count was confirmed on this day over the epicenter. From March 3 to 11, a large increase in electron concentration was recorded at all four Japanese ground ionosonde stations in Japan, which returned to normal after the main earthquake. Data were also taken from the Low Earth Orbiting satellites of the COSMOS system, and from the ground-based vertical sounding network in Japan. Ionospheric tomography, and observation of the variation in the critical frequency (foF2) for ionospheric transparency also play a role.

Taken together, these and other measurements form the basis of what Pulinets emphasizes is a multi-parameter approach to forecasting. The theory of causation is based on observations of numerous earthquakes going back many decades. The outflow of radon from the Earth, in the period of two weeks to a few days before the seismic shock, is thought to play a leading role in production of the precursor effects. The radon produces detectable surface thermal anomalies, humidity variations, and changes in the atmospheric ionization.⁴

Among the other sorts of earthquake precursors are ground deformations, gravitational anomalies, planetary positions, crustal stress, ground water levels, earthquake clouds, foreshocks, microseisms, changes in animal behavior, and variations in earth resistivity. All of these can be taken account of in a full-scale multi-parameter approach.

It is not true that we can do nothing in the face of natural disasters. We can do many things. But, first must be a change of attitude from the widespread and prevailing pessimism infecting all pores of society.

Second, we need a beefing up of our

4. See Dimitar Ouzounov, "Recent Research in Monitoring Earthquakes Using Multisensor Satellite and Ground Data" (2007) <http://www.gwu.edu/~spi/assets/docs/Ouzounov%20-%20Recent%20Research%20in%20Monitoring%20Earthquakes%20by%20using%20multisensor%20satellite%20and%20ground%20data%20-%20a%20preliminary%20report.pdf>

science capabilities, in both applied and fundamental research. New satellite systems, most of them right now on the budgetary chopping block, can add to our detection capabilities for both short-term forecasting and for the accumulation of observations crucial to the formation of new hypotheses.⁵

The sort of pessimism, repeated by our President on recent visits to Joplin, Missouri, and to flooded regions of the South, is worse than unacceptable. It is pure lying in service of a foreign power. It is the same lying which has prevented crucial action on Glass-Steagall reform of the financial system, and for the same reasons, the most essential of which is the commitment to reduce world population. There is no commitment to fight for progress and growth, except in words. There is only a commitment to defend London and Wall Street banking interests, and the spending habits of a First Lady fantasizing about royalty on the family's now-frequent visits to Buckingham Palace.

Science Must Change Fundamentally

Science itself must change fundamentally. A return to an optimistic spirit that can only result from a fundamental change in national policy is a prerequisite. On that score, either we implement the Glass-Steagall reorganization prescribed by Lyndon LaRouche, or there is no national survival. Kiss your future and that of your family goodbye.

At the same time, nothing stops any thinking person from joining with the rapidly maturing movement led by the LaRouche "Basement" team to bring about a scientific renaissance. The shift in thinking from a particle-based conception to that of cosmic radiation, proved the conceptual turning point in this renaissance. Not empty space with self-evident particles interacting according to certain laws, but a completely filled and self-developing universe which is not defined by, but defines its own space-time, different at every instant.

Not an outer world of phenomena and an inner world of interpretation of the sensory impressions conveyed by them, but a continuously creative universe, knowable only by the act of creation of the individual creative mind.

—Laurence Hecht

5. See the video "Japan Quake Precursors" <http://www.larouhepac.com/node/18298>