



**crimson and clever**  
FREE phones - a smart gift for your sweetie

Shop Now

\*Two-year contract and significant restrictions apply.

at&t


[MSN Home](#) | [Mail](#) | [More](#) | [Sign In](#)

 featuring [Today Show](#) | [Nightly News](#) | [Dateline](#) | [Meet the Press](#) | [MSNBC TV](#) | [NBC Sports](#)

## Developing: Sen. Judd Gregg discusses his decision to withdraw as commerce secretary nominee

### Business Press Releases

#### Categories

[U.S. news](#)
[World news](#)
[Politics](#)
[Business](#)
[Stocks & economy](#)
[U.S. business](#)
[World business](#)
[Autos](#)
[Real estate](#)
[Retail](#)
[Careers](#)
[Personal finance](#)
[Small business](#)
[Viewpoints](#)
[Entertainment](#)
[Sports](#)
[Tech & science](#)
[Health](#)
[Travel](#)
[Weather](#)
[Local news](#)
[Browse](#)
[Video](#)
[Photos](#)
[Community](#)
[Disable Fly-out](#)

#### Marketplace

[Credit Score \\$0](#)  
at CreditReport.com

[Scottrade](#)  
\$7 online trades

[Progressive](#)  
Get car insurance

[Start a business](#)  
Entrepreneur.com

[Win Free Tuition](#)  
For working adults

[Netflix](#)  
Try for Free

[Autos](#)  
via MSN Autos

[Shopping Deals](#)  
Coupon Offers!

## Primary Cause of Global Warming Discovered, According to Dr. Peter L. Ward of Teton Tectonics



updated 5:03 p.m. ET Feb. 8, 2009

JACKSON, WY - Sulfur dioxide emitted from volcanoes and from burning fossil fuel is the primary initiator of global climate change, according to Dr. Peter L. Ward, a retired U.S. Geological Survey scientist who continues to study the earth and its environment through his own company, Teton Tectonics. "Carbon dioxide is a greenhouse gas compounding global warming, but it is not the initiator of climate change," according to Ward.

In a paper to be published this week, Ward concludes that sulfur dioxide emissions regulate the ability of the atmosphere to clean itself by oxidizing greenhouse gases. Sulfur dioxide reacts quickly with available oxidants, leaving few to react with other greenhouse gases. The primary oxidants, created by the effects of ultraviolet sunlight on ozone, are, like ozone, in limited supply.

Ward observed that the highest rates of global warming in the past 46,000 years occurred precisely when volcanoes were most active. "When very large volcanic eruptions occur every few months," Ward says, "rapid warming follows. Too much sulfur dioxide in a short period of time causes warming."

[Story continues below ↓](#)

advertisement | [your ad here](#)

Large eruptions in the past 2000 years occurred once per century. Yet by 1962, human activities were putting as much sulfur dioxide into the atmosphere every 1.7 years as one of these large eruptions. That was enough to cause world temperatures to climb rapidly.

Beginning in 1979, global efforts to reduce acid rain cut power-plant sulfur emissions 18% by 2000. By 2000, global temperature stopped increasing, a fact unexplained by current climate theories.

"By reducing acid rain, we accidentally reduced global warming," Ward said. "The problem now is that sulfur dioxide emissions are rapidly increasing again as new power plants come on line every week around the world. But we know how to reduce sulfur emissions both technically and politically. It is much easier to do than reducing carbon dioxide emissions."

#### Most popular

**Most viewed** | **Top rated** | **Most e-mailed**

[5 things men should know about women](#)

['Loose' women launch pink party protest](#)

[U.S. may subsidize troubled mortgages: sources](#)

[Fla. cops search for girl who vanished from bed](#)

[Stimulus package on track for final votes](#)

[Most viewed on msnbc.com](#)

#### Sponsored Links

**Home Solar Panel Guide**  
How To Build Your Home Solar Panel Today Starting From Scratch..  
[www.BuildYourSolarPanel44.com](http://www.BuildYourSolarPanel44.com)

**Carbon Reduction Workshop**  
200 Ways To Profit by Going Green. Real Examples and Case Studies.  
[www.greenprofitnow.com](http://www.greenprofitnow.com)

**Reduce Carbon Footprint**  
Would You Switch to Online Billing To Reduce Your Carbon Footprint?  
[www.ResponsibilityProject.com](http://www.ResponsibilityProject.com)

**Want Green Gifts Free?**  
Enter Your Email And Get \$400 Of Green Gifts Instantly...  
[www.myrewardcenter.us.com](http://www.myrewardcenter.us.com)

**climate changes?**  
Join Today & Show The World We Add Up - Make A Difference  
<http://www.weaddup.com/>

#### Resource guide



Get Your 2008 Credit Score



Scottrade: \$7 online trades



Our rates vs. the others



Find a business to start



\$2 million in scholarships



Movies delivered - Try free

Ward is holding a press conference at the Swissotel, Edelweiss Room, 323 E. Wacker Dr., Chicago on Wednesday, February 11 at 11 AM.

Ward's paper will be published in the next issue of "Thin Solid Films," a physics journal published by Elsevier Press, available online at [www.sciencedirect.com/science/journal/00406090](http://www.sciencedirect.com/science/journal/00406090) (doi: 10.1016/j.tsf.2009.01.005).

More details including Notes for Science Writers are found at Ward's website: [www.tetontectonics.org](http://www.tetontectonics.org).

Contact Peter Ward at 307-733-3664, cell 307-413-4055, or [peward@wyoming.com](mailto:peward@wyoming.com). He will be available in Chicago February 11 though 15.

Peter Ward  
307-733-3664  
cell 307-413-4055  
[Email Contact](#)  
© MarketWire 2009

**Discuss Story**  
On Newsvine

**Rate Story:** Low  High  
View popular 4.5 after 3 ratings

[Email](#)

[Instant Message](#)

[Print](#)

**Top msnbc.com stories**

- [Gregg pulls out on Commerce post](#)
- [Stimulus bill on track for final votes](#)
- [Court: Vaccine not at fault in autism](#)
- [Feds may move to buy mortgages](#)
- [U.S. real estate a bargain for Chinese](#)

**NBC News highlights**

- [Marine helps pal, 8, with special needs](#)
- [Phoenix's wacky 'Letterman' interview](#)
- [Leah cooks her last meal on 'Top Chef'](#)
- [2 cops learn they are father and son](#)
- [Dateline: Octuplet's mom defends herself](#)

**SPONSORED LINKS**

[Get listed here](#)

- Featuring [Today](#) [Nightly News](#) [Dateline](#) [Meet the Press](#) [MSNBC TV](#) [Newsweek](#)
- Categories [Top stories](#) [Local news](#) [U.S.](#) [World](#) [Politics](#) [Business](#) [Sports](#)  
[Entertainment](#) [Health](#) [Tech & science](#) [Travel](#) [Weather](#)
- About [About us](#) [Contact](#) [Site map](#) [Jobs](#) [Terms & conditions](#)

[Alerts via IM](#)

[E-mail updates](#)

[RSS & feeds](#)

[Mobile headlines](#)

[Podcasts](#)

[Widgets](#)