

AGU

An Intern Story

By Brett Palmer



AGU

- **AGU** is a worldwide scientific community that advances, through unselfish cooperation in research, the understanding of Earth and space for the benefit of humanity.
- 40,000 members worldwide



Goals

- To create a reference CD for the Earth in Space magazine that is functional, attractive, and easy to use for teachers and students at the secondary level.
- To be enlightened about the opportunities in geosciences (being turned to the dark side)



Earth in Space

- Approximately 14 years of peer-reviewed Earth & Space Science articles
- Used as an Outreach and Education tool
- A resource tool for teachers and students interested in current Earth & Space Science research



Legacy of Phillip

- Reading/Categorizing all the articles
- PDF's
- Sorting
- Functional web pages



The Brett Era

- Easy to follow linking system
- Attractive web pages
- Multiple searching options



Bumps in the Road

- Learn HTML and web programs
- Creating a searchable PDF
- Sorting the articles
- Categorizing the articles



The Outreach Tool



Earth In Space

Your Window to Geophysics

Each month during the school year, *Earth in Space* brought you some of the excitement and wonder that exhilarated scientists as they explored the secrets of the Earth, its neighbors, and its environment in space. Through articles and notes written by scientists about their discipline and themselves, you will gain insight into some of the most exciting discoveries made in science and the people behind them.

The Earth and space sciences are especially exciting because they draw together physicists, mathematicians, chemists, biologists, and geologists in the study of problems that really mean something to you. We are all surrounded by opportunities to observe nature; thus we are living in the laboratory of the geophysicists.

Earth in Space is brought to you by the American Geophysical Union, an international scientific society of approximately 40,000 scientists from more than 130 countries dedicated to advancing the understanding of the Earth and our solar system. It is a world leader in the Earth and space sciences and is highly respected for the quality of its scientific journals, books, and meetings.







The scope of the geophysical sciences is reflected in the disciplinary specialisms of AGU members. Research activities cover a broad spectrum of the physical and biological sciences—from rock mechanics to sea floor geology, from the internal structure of the Earth to the interplanetary magnetic field, from magma dynamics to glacial cooling, from the Earth's gravity field to mesospheric optical phenomena, and from ocean processes that

- The Homepage
- Search by either topic or specific magazine

The Issues

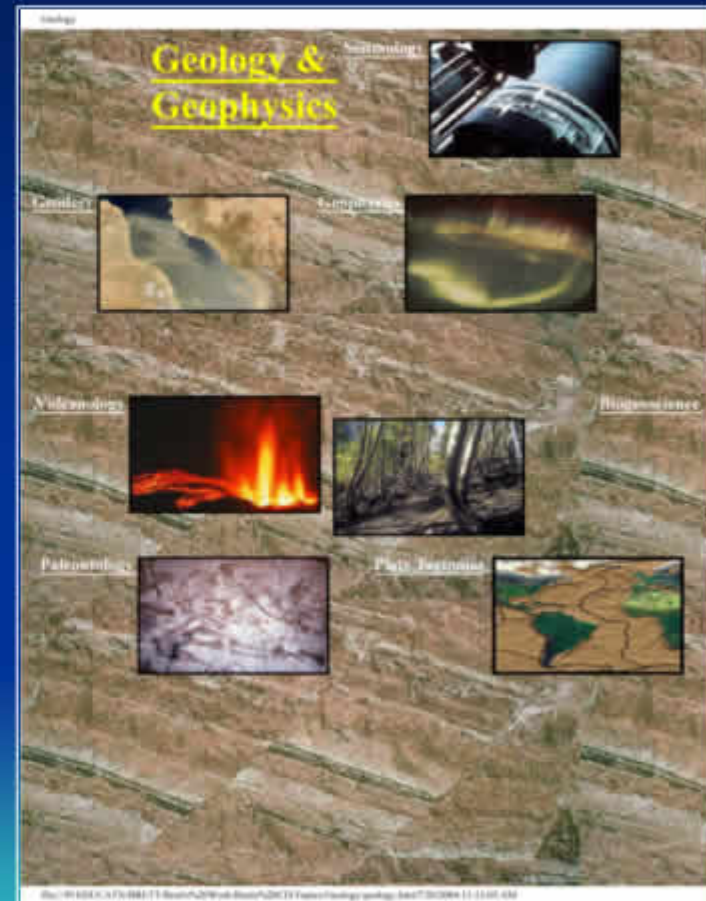
- Search by issue
- Snippets of the feature article
- Linking to previous/next volumes along with homepage

Search by Issue
(Vol. 13-14)

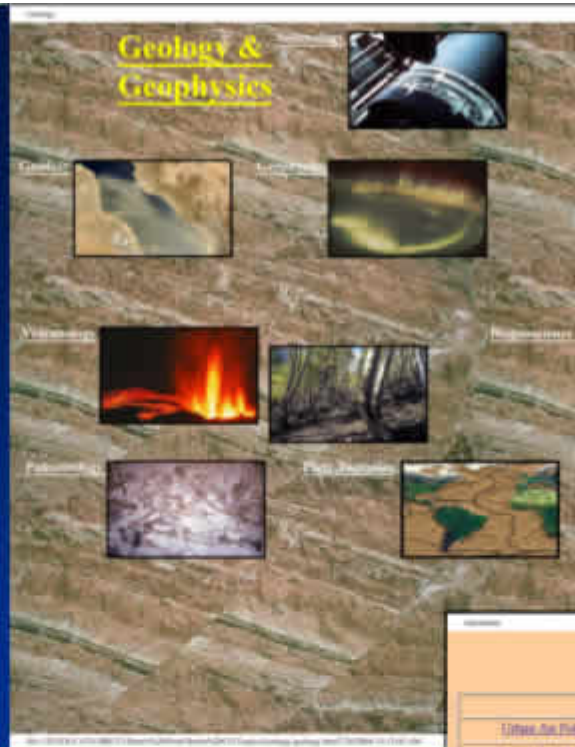
	<p>Vol. 14 No. 1 (September 2001)</p> <ul style="list-style-type: none">• At Least 7000 Had Some Warning• Recent Advances Made in Understanding Glacial Cycles <p>Seismic Experiment Probes Crust and Mantle Beneath South Africa</p>		<p>Vol. 13 No. 3 (January 2001)</p> <ul style="list-style-type: none">• Global Positioning System and Gravity Used to Study Greenland Ice• Alaskan Glacier Shows a Dramatic Retreat <p>The Day the Solar Wind Disappeared</p>
	<p>Vol. 13 No. 3 (May 2001)</p> <ul style="list-style-type: none">• Climate Implications of Changing Arctic Sea Ice• Deep Drilling into a Volcanic Vent <p>Smoke Travels Far, Affecting Distant Weather</p>		<p>Vol. 13 No. 4 (December 2000)</p> <ul style="list-style-type: none">• African Dust and Densification of Caribbean Coral Reefs• The Humbird Year Hunt for the Gulls <p>African Dust and the Densification of Caribbean Coral Reefs</p>
	<p>Vol. 13 No. 2 (April 2001)</p> <ul style="list-style-type: none">• Ancient Survey Data Adds Study of Earthquake and Tsunami• Antarctic Blue Oats Reveal Human Impact on San Francisco Bay Salinity		<p>Vol. 13 No. 3 (November 2000)</p> <ul style="list-style-type: none">• Flow of Nitrogen into Mississippi Basin Believed to Cause Gulf Hypoxia• Hurricanes' Hydrological, Ecological Effects Linger in Estuary

Main Topics

- There are 8 main topics all with multiple sub-topics
- Can link to the sub topic
- Majority of the graphics are contained within the main topic pages



Start to Finish



Geology

The study of the planet Earth—the soil on which we stand, the products we mine, and the history of the planet and its life forms since its origin.

- [Reinhold Land Subsidence Shows Unchecked Gas Fields Waning, Causes Crust, Seafloor, Aquatic Continental](#) (September 197 Page 2)
- [Scientists Probe to Probe's Continental Subduction](#) (March 97 Page 2)
- [Observations Show a Jumbo Core from Earth's Past](#) (October 97 Page 6)
- [Features of Climate Research Controlled by Ocean Drifts](#) (July 97 Page 2)
- [Hot Spots](#) (April 97 Page 6)
- [Scientists Push Under Crust for Mountain Building Clues](#) (March 97 Page 1)
- [Deep Heat](#) (December 97 Page 6)

Aeronomy

Article	Month-Year	Volume	Issue
Differ Air Pollution May Lead to More Lightning Strikes	Aug 2005	34	1
Removal of Airborne Nitrogen Leads to Arctic Ozone Loss	Aug 2005	34	1
Sea Ice Trends Can Affect Climate Warming	May 2005	33	4
Strong CO2 Underestimated Shows Increasing Trends	Feb 2005	33	2
Vastland Hides Key Aquifers May Contribute to Atmospheric Methane	Apr 2005	32	4
Radar System Being Proposed for Measuring Power-Line Transmissions in Broad Regions	Jan 2005	32	1
Supporting Discovery About Air Pollution	Nov 1999	32	3
Atmospheric Data Successfully Obtained During Solo Spirit Helium Mission	Mar 1999	31	4
Tracking Clean-Air Turbulence	Apr 1998	31	4
Researchers Note Strong Reduction in Some Urban Areas	Feb 1998	30	4
Sea's Tip	Oct 1997	30	3
The Moving Boat	Dec 1996	30	4
Hot Air Helium Fill Gap in Atmospheric Research	Dec 1995	30	4
Green Atmos	Dec 1995	30	4
Bouncing Laser	Nov 1995	30	3
Data Defies	Aug 1995	30	1
Keeping Watch Over the Global Atmosphere	Mar 1995	30	1
Scientists Need Better Tools to Measure Water Vapor	Jan 1995	30	1
Red Sprites and Blue Jets: High-Altitude Optical Emitters Linked to Lightning	Feb 1995	30	1
High Five	Dec 1993	30	4
Decline in Atmospheric Carbon Monoxide Raises Questions About Its Cause	Nov 1993	30	3
Researchers Assess Probability of Climate Change	Nov 1993	30	1

Remaining Tasks

- 80% completed
- Direct links to individual articles
- Back fill information to earlier issues
- The two missing magazines
- Model the CD at a NSTA Meeting



Special Thanks

- Jill Karsten
- Liz Caron
- Jack Hehn
- Gary White
- ORS Staff

