GEOSCIENCE CATALOG 2015

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The American Geosciences Institute is a nonprofit federation of geoscientific and professional associations that represents more than 250,000 geologists, geophysicists, and other earth scientists. Founded in 1948, AGI provides information services to geoscientists, serves as a voice of shared interests in our profession, plays a major role in strengthening geoscience education, and strives to increase public awareness of the vital role the geosciences play in society’s use of resources, resilience to natural hazards, and the health of the environment.

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AGI is proud to feature this Fifth REVISED edition of the Glossary of Geology. This indispensable reference tool contains nearly 40,000 entries, including 3,600 new terms and nearly 13,000 entries with revised definitions from the previous edition. The revisions represent both advances in scientific thought and changes in usage and they make this 800+ page hardbound a must for any earth science professional or student. In addition to definitions, many entries include background information and aids to syllabication. The Glossary draws its authority from the expertise of the more than 100 geoscientists in many specialties who reviewed definitions and added new terms.

Compiled by J. Douglas Walker and Harvey A. Cohen

One of the best-kept secrets in geology is this handy compilation of geological information. The essential reference for geoscientists in the field, office, or lab, The Geoscience Handbook provides quick reference for the key metrics and concepts, as well as short tutorials on subjects that may not be familiar to all geoscientists.

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ISBN 978-0-922152-84-1. Spiral bound, 5”x8” 314 pages. $49.95 (*AGI Member Society price $39.95); 1 lb.
Directory of Geoscience Departments
49th Edition - 2014
Carolyn Wilson

The Directory of Geoscience Departments 49th Edition is the most comprehensive directory and source of information about geosciences departments and researchers available. It is an invaluable resource for individuals working in the geosciences or must identify or work with specialists on the issues of Earth, Environmental, and related sciences and engineering fields. The Directory of Geoscience Departments 49th Edition provides a state/country-sorted listing of nearly 2300 geoscience departments, research departments, institutes, and their faculty and staff. Information on contact information for departments and individuals is provided, as well as details on department enrollments, faculty specialties, and the date and source of faculty and staff’s highest degree.

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ISBN 978-0922152964. 7.00”x10.00” 466 pp. item #800802. $35.00 (AGI Member Society price $28.00) 3 lbs.
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Megan Sever, Sara Pratt, and Erin Wayman

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Stephen M. Testa

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Water and the Environment

Stephen J. Vandas, Thomas C. Winter, and William A. Battaglin


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Living With Unstable Ground

Thomas Holzer

Most of us take the stability of the ground for granted. However, many ongoing natural processes and human activities, and occasionally complex combinations of both, displace the ground. Whether ground displacements are large and catastrophic or small and slow, their cumulative impact during the lifetimes of humans or civilizations may be large and destructive. Parts of every state in the United States are affected by these instabilities of the ground. As the demand for land grows and humans increasingly modify their environment, more and more people will be exposed to these instabilities and suffer the consequences. Living with Unstable Ground will increase your awareness and understanding of how you can build safely in areas with unstable ground and what society can do to reduce the impact of unstable ground.


Soils, Society, and the Environment

Thomas E. Loynachan, Kirk W. Brown, Terence H. Cooper, John M. Kimble, Murray H. Milford, David B. Smith

Soil is a fragile, finite resource. How societies manage their soils can directly impact their environments and may even be a determining factor in a society’s long-term success or failure. President Franklin D. Roosevelt eloquently stated the significance of soils to the global community when he said, “A nation that destroys its soils destroys itself”.

Soils, Society and the Environment, produced in cooperation with the Soil Science Society of America, the USDA Natural Resources Service and the U.S. Geological Survey, focuses mainly on soil as society’s primary source of food and fiber (such as cotton and wood). Growing plants in soil is the only known way to produce large quantities of these necessities, and the implications of that fact are profound.


Environmental Awareness Series books are also available at: amazon.com
Living With Karst — A Fragile Foundation

George Veni, Harvey DuChene, Nicholas C. Crawford, Christopher G. Groves, George N. Huppert, Ernst H. Kastning, Rick Olson, Betty J. Wheeler.


Although the term “karst” is not widely known, nearly 25% of the world’s population lives in karst areas. Living With Karst, the fourth booklet in the AGI Environmental Awareness Series vividly illustrates what karst is and why karst areas are important. The booklet also discusses karst-related environmental and engineering concerns, guidelines for living with karst, and sources of additional information.


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Rebecca L. Dodge and Russell G. Congalton

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Meeting Environmental Challenges with Remote Sensing Imagery is a collaborative effort that draws from a large pool of expertise. Publishing partners include AmericaView, a non-profit organization that supports the use and application of remote sensing imagery and other data in applied science and education; the American Society for Photogrammetry and Remote Sensing, a scientific association that works to advance knowledge and improve public understanding of mapping sciences; the USGS Land Remote Sensing Program; and the American Geosciences Institute.

ISBN 978-0-922152-94-0. 82 pp. Item #637601
Sustaining Our Soils & Society

Thomas E. Loynachan, Kirk W. Brown, Terence H. Cooper, and Murray H. Milford

The booklet, Sustaining Our Soils and Society, and the colorful poster, Soils Sustain Life, offer new tools for raising awareness and understanding of our soil resources. The soils booklet and poster can help you:

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- Improve Earth science literacy
- Increase student understandings of Earth materials and systems
- Achieve content objectives of the National Science Education Standards

ISBN 0-922152-50-0. Item #603601.

Metal Mining and the Environment

Travis Hudson

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A major new initiative that the AGI Foundation is working to fund is the implementation of the new AGI Center for Geoscience Education and Public Understanding. The Center builds upon the foundation of the AGI and capitalizes on its strength as a federation of 49 scientific and professional geoscience societies representing a quarter of a million practicing geoscientists in the United States.

Critical new initiatives of the center require new funding from the AGI Foundation, include the following focus areas:

- Understanding the Status of U.S. Earth Science Education with the 2013 “roll-out” of the Nation’s new science standards in which 26 States have signed on and 40 states are expected to fully adopt;
- Supporting innovative Energy Education;
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- More outreach to students positioned earlier in the “geoscience education flow”.

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