

# GEOSCIENCE CATALOG

# 2020



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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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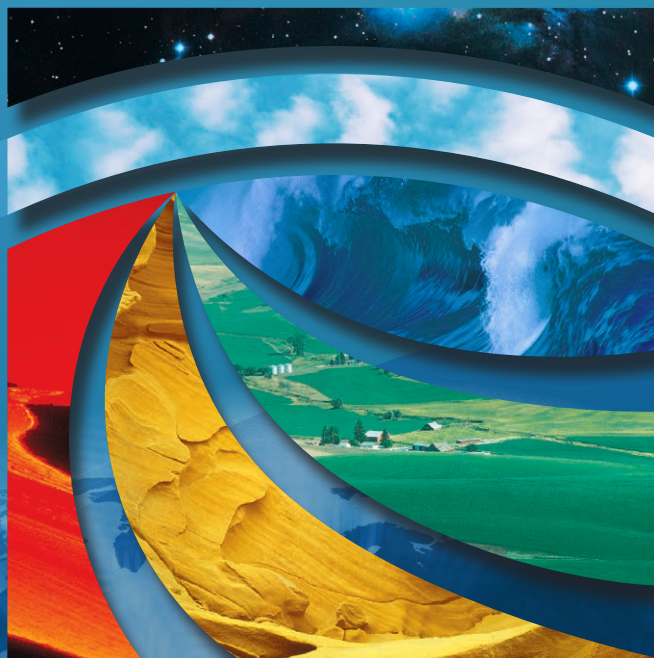
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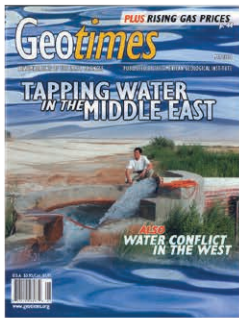
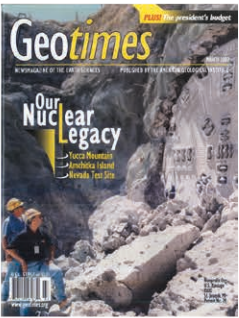
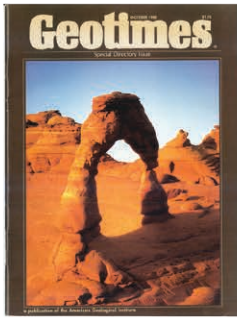
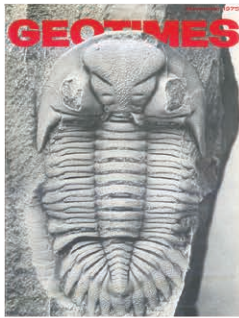
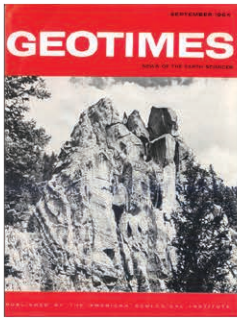
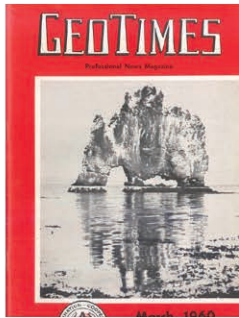
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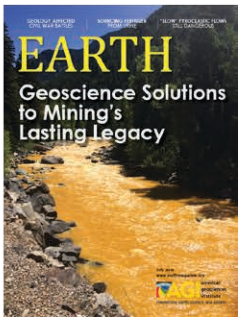
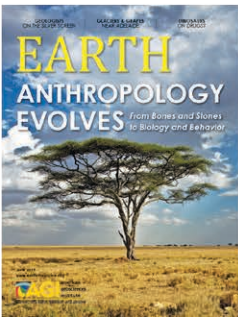
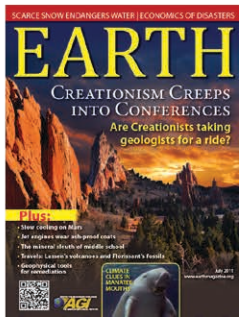
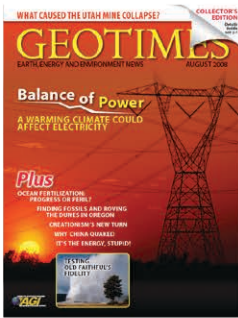
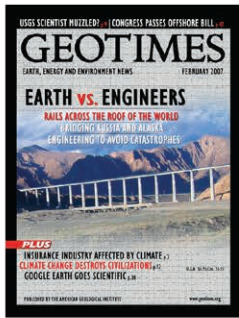
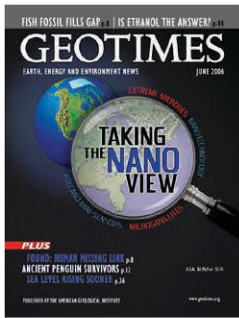
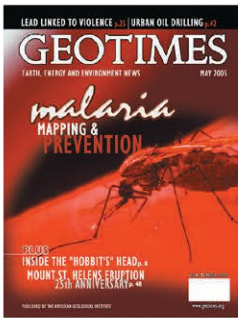
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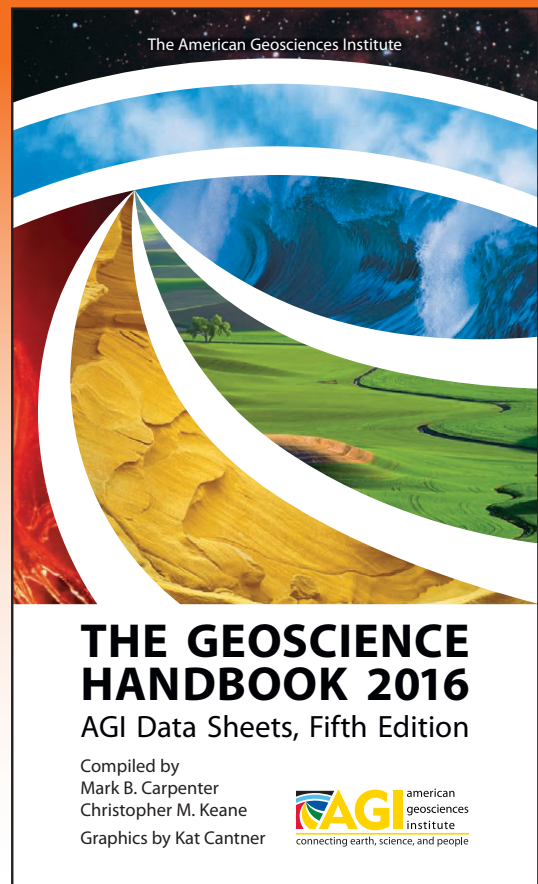
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Mark B. Carpenter,  
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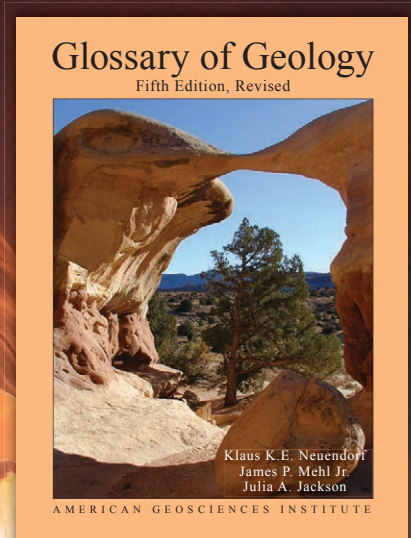
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\$59.99

492 pages

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# HOW DO YOU LIKE YOUR GLOSSARY?



Print?

## A

### A mass number.

**aa** (a'-a [ah'-ah]) A Hawaiian term for lava flows typified by a rough, jagged, spiny, clinkery surface. Cf: *pahoehoe*; *hilo*; *loa*. Etymol: Hawaiian. An explosion of pain when walking barefoot on such lava. Obs. syn: *apurehiki*.

**Aalenian** (An'le' ai an) A stage of the Standard Global Chronostratigraphic Scale: lowermost Middle-Jurassic (above Toarcian, below Bajocian). The base (LSSP) is at Puenteleche in central Spain (Cristo et al., 2004).

**AAR** accumulation area ratio.

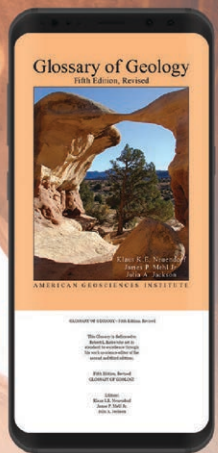
**AAS** atomic absorption spectroscopy.

**a\* axis** That axis of a triclinic crystal lattice which is perpendicular to (100). Cf: *b\** axis; *c\** axis.

**a axis [cryst]** One of the crystallographic axes used as reference in crystal description. It is the axis that is oriented horizontally, front to back. In an orthorhombic or triclinic crystal, it is usually the *brachy*-axis. In monoclinic crystals, it is the *clino*-axis. The letter *a* usually appears in italics. Cf: *b* axis *crystal*; *c* axis *crystal*.

**a-axis [ice]** In a hexagonal crystal are three *a* axes. They are perpendicular to the *c* axis and make angles of 60° (a one smaller). Cf: *c-axis [ice]*.

**a axis [struc petro]** One of three orthogonal reference axes, *a*, *b* and *c*, that are used in two distinct ways. (a) To help describe the geometry of a fabric possessing orthorhombic or monoclinic symmetry. The unique symmetry plane is labelled the *a-c* plane, and *a* lies at the intersection of this plane with a prominent fabric surface. (b) In a kinematic sense, to describe a deformation plane that possesses orthorhombic or monoclinic symmetry, such as progressive pure or simple shear. In this case the *a* axis again lies in the unique plane of symmetry but parallel to the movement plane. It is the direction of maximum displacement and is commonly referred to as the direction of tectonic



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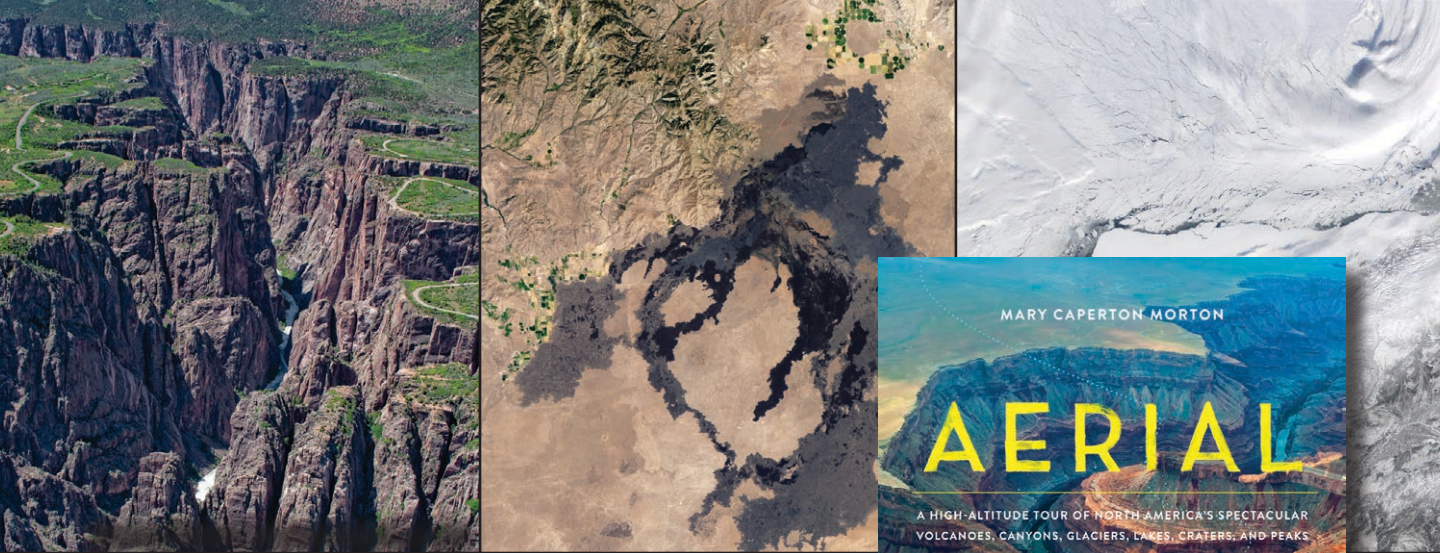
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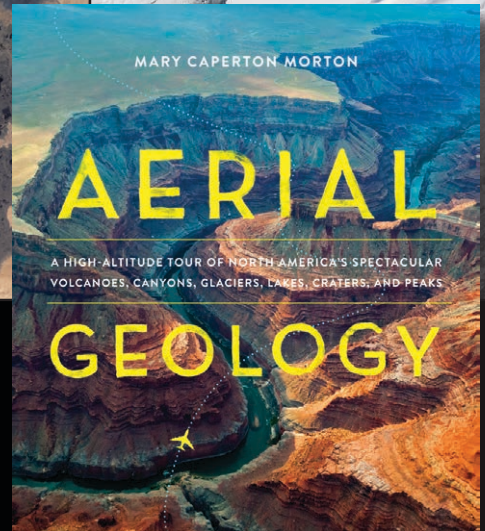
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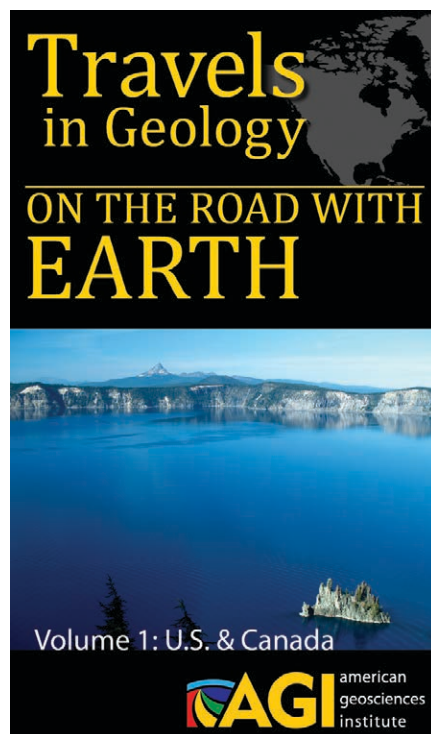
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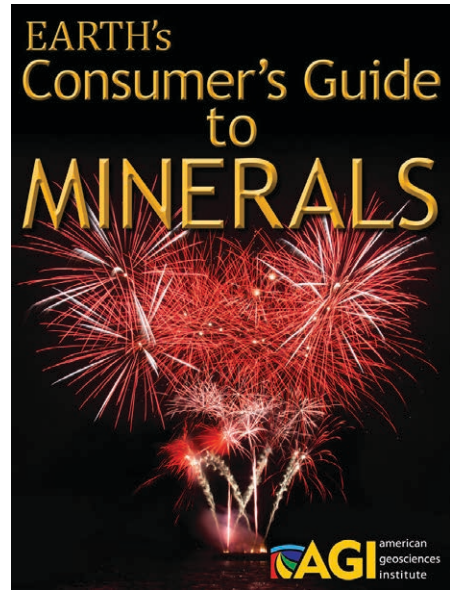
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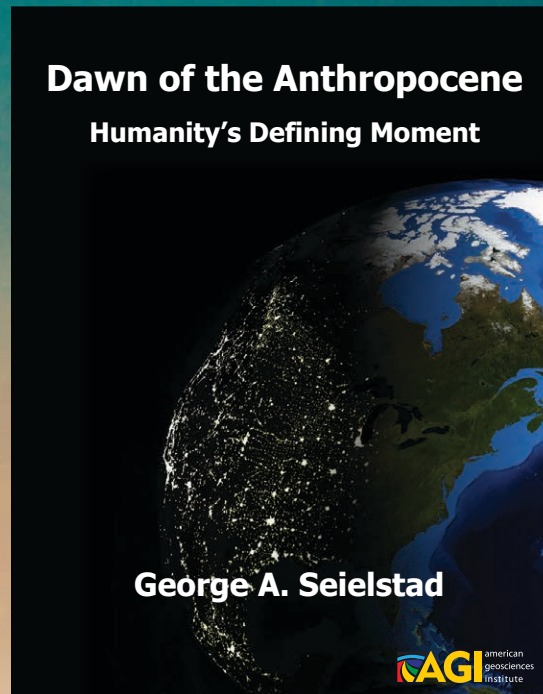
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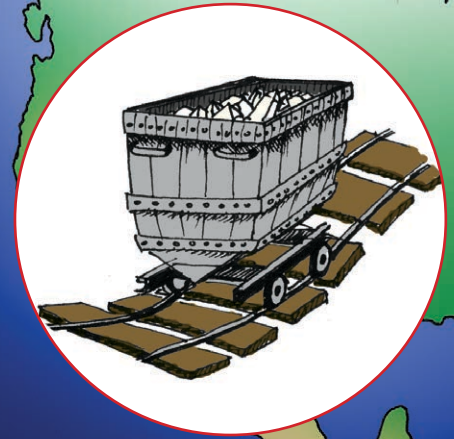


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Stephen M. Testa

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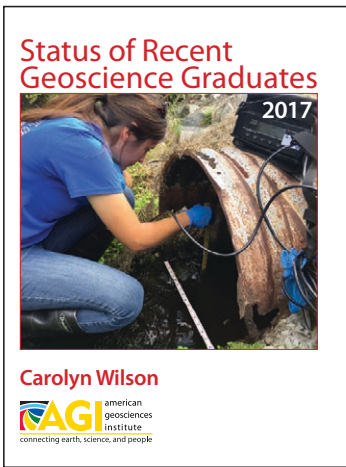




# Status of Recent Geoscience Graduates 2017

By Carolyn Wilson

Photos from AGI's 2017 Life As a Geoscientist. Photographers clockwise from top left Victoria Heather; Mayra Martinez; Rob Thomas; Mary Lide Parker



The American Geosciences Institute's (AGI) Status of Recent Geoscience Graduates 2017 provides an overview of the demographics, activities and experiences of geoscience degree recipients during the 2016-2017 academic year. This research draws attention to student preparation in the geosciences, their education and career path decisions, as well as provides other critical insights into the newly minted geoscience workforce at the bachelor's, master's and doctoral degree levels.

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# The 2018 AGI Status of the Geoscience Workforce Report

## Status of the Geoscience Workforce



2018

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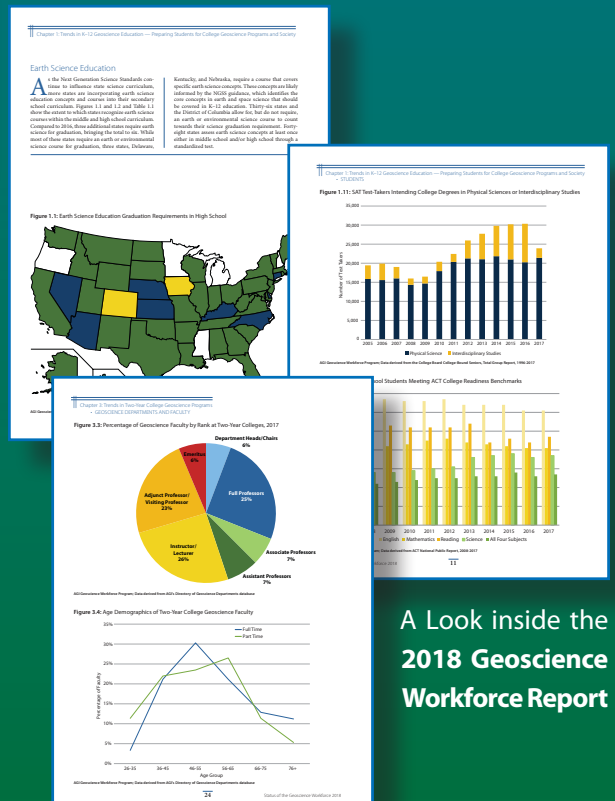
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### Authored by Carolyn Wilson

The Status of the Geoscience Workforce 2018 report is based on original data collected by AGI as well as from federal data sources, professional membership organizations, and industry. The report integrates all of these various data sources into a comprehensive view of the human and economic parameters of the geosciences, including supply and training of new students, workforce demographics and employment projections, to trends in geosciences research funding and economic indicators.

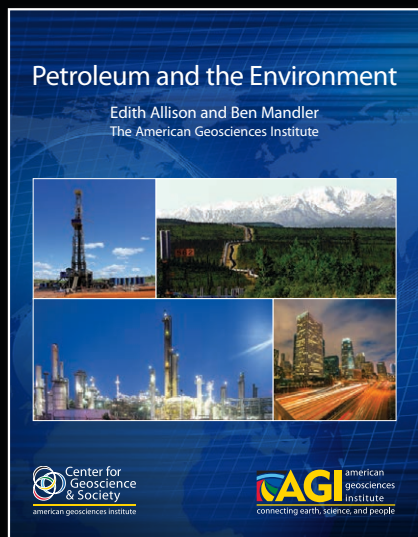


A Look inside the 2018 Geoscience Workforce Report



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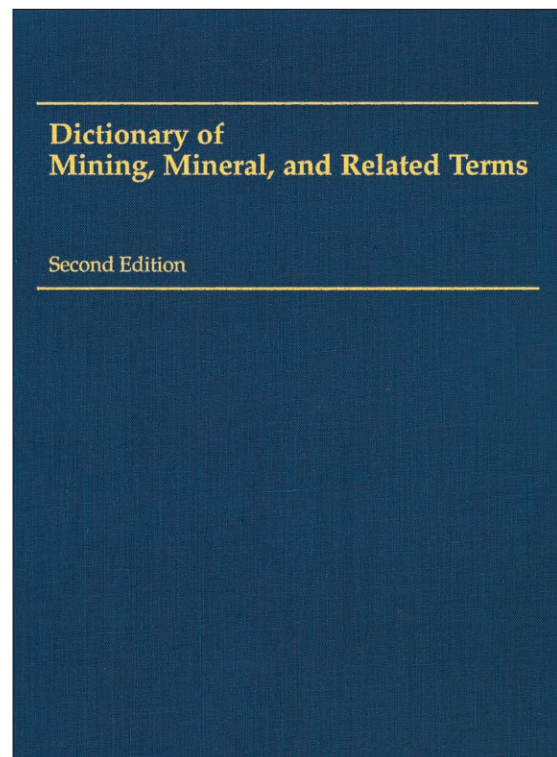
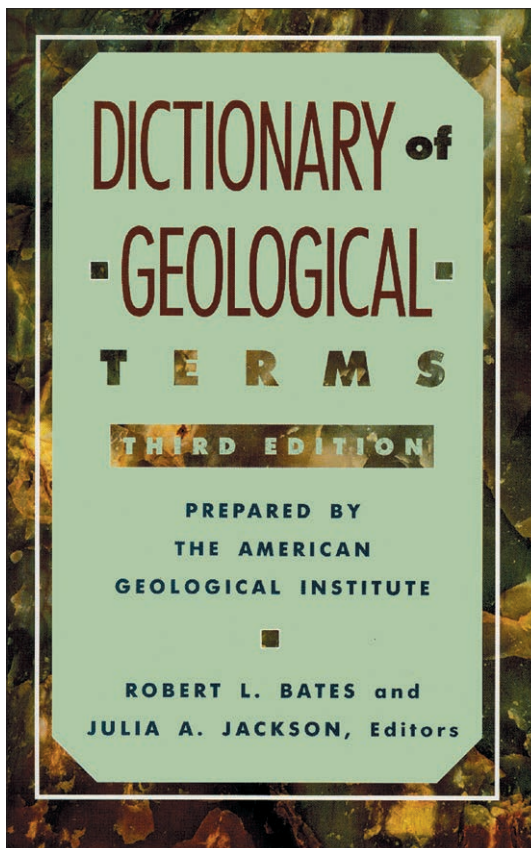
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CanGeoRef is a bibliographic geoscience database that covers the Canadian geoscience literature since the early 1800s. It is a product of a cooperative arrangement between the American Geosciences Institute and the Canadian Federation of Earth Sciences. CanGeoRef provides an affordable alternative to the GeoRef database for small organizations, companies and individuals working in the Canadian region. Find CanGeoRef online at <https://www.americangeosciences.org/georef/cangeoref-database>

For a 24-hour Day Pass to CanGeoRef, see <https://store.americangeosciences.org/databases.html>

## **GeoRef Providers**

GeoRef is made available through many vendors:

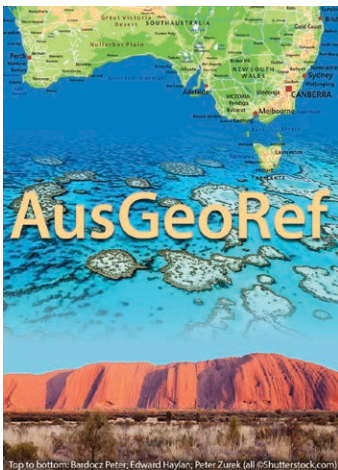
<u>Worldwide Web</u>	<u>CD-ROM</u>	<u>Traditional Online Services</u>
Dialog Ebsco Engineering Village	GeoScienceWorld Ovid Technologies ProQuest	Dialog STN International



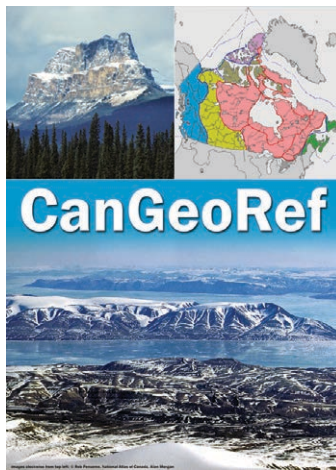


## Day Pass now available! Get your 24-hour access pass

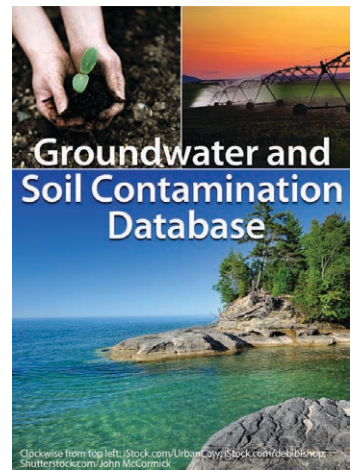
The day pass is a convenient way to obtain information quickly from select GeoRef databases without a longer-term subscription. The day pass provides access over a twenty-four hour period for the low cost of \$12.00. Databases include:



**AusGeoRef** is a bibliographic geoscience database that covers the Australian literature since 1840. The database includes more than 200,000 references.



**CanGeoRef** is a bibliographic geoscience database that covers the Canadian geoscience literature since the early 1800s, including more than 220,000 references.

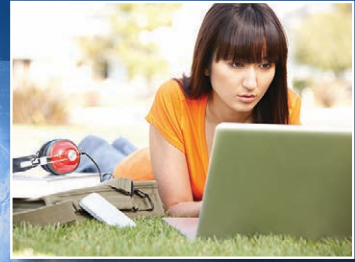
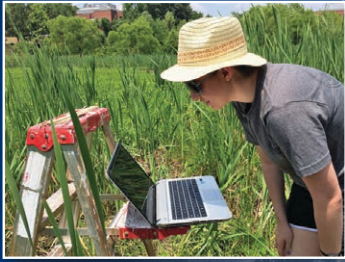


**Groundwater and Soil Contamination (GSC) Database** includes more than 157,000 bibliographic references to the worldwide literature on this subject.

Learn more at

<https://store.americangeosciences.org/databases.html>.





# GOLI

## Geoscience Online Learning Initiative

<https://www.americangeosciences.org/workforce/goli>

The Geoscience Online Learning Initiative (GOLI) is an initiative by the American Geosciences Institute, started in cooperation with the American Institute of Professional Geologists, to provide a platform for on-demand, life-long learning and continuing education opportunities in the geosciences. GOLI consists of live webinar events and self-paced on-demand online courses. Interested individuals can register to attend live webinar events where participants interact with content experts and earn CEUs for their attendance. GOLI courses provide learners with the flexibility to actively self-pace their progress, since on-demand courses do not have a set schedule like traditional academic semester-based courses. GOLI courses are brought to you via the OpenedX Learning Management System (LMS) through which learners are able to browse course descriptions, enroll in specific courses, access content, and complete any course free of charge. Learners who complete courses offered through the GOLI platform with a passing grade of 70% or higher are eligible to purchase Continuing Education Units (CEUs) for a nominal fee.

Sample courses:

- **An Introduction to Professional Writing for Geoscience Careers**
- **Communicating Cascadia's Earthquake Risk**
- **Basics of Seismic Petroleum Exploration for New Hires**
- **Planning for Coastal Storm and Erosion Hazards**
- **Best Practices in Mineral Resource Estimation & Reporting**
- **Professionalism and Geoeitics: Creating a Workplace Environment Where Everyone Can Succeed**

For more information about the Geoscience Online Learning Initiative visit <https://www.americangeosciences.org/workforce/goli> or contact Heather Houlton at [hrh@americangeosciences.org](mailto:hrh@americangeosciences.org). For more information on AIPG and CEUs, visit [www.aipg.org](http://www.aipg.org).



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# GEOWORD of the Day

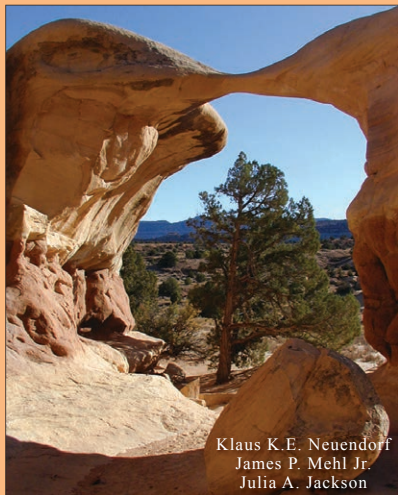
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