



# Discover the Web

## (of Science and Other Databases)

OU subscribes to several online databases that you will find useful.

Some are specifically for meteorology:

American Meteorological Society  
Meteorological and Geostrophysical Abstracts

Some encompass all of science including atmospheric science:

AccessScience                      ScienceDirect Elsevier Science Web Editions  
CompendexWeb                      Web of Science  
General Science Abstracts

Some focus on other disciplines with information related to meteorology:

American Chemical Society                      IEEE Electronic Library Online  
American Institute of Physics Scitation                      Kluwer Journals Online  
American Physical Society                      Pollution Abstracts  
GeoBASE

All can be accessed anywhere and anytime you're on the internet. All you need is your OUNet ID (4+4).

To access the online databases and other resources, go to the OU Libraries' web site (<http://libraries.ou.edu>) and login on the lower left side of the page using your 4+4 and password. Once you're logged in, you can click on "LORA" on the top left side or click on "Resources" and then go to LORA.

Perhaps the easiest way to find resources about meteorology is to use the "Search by Subject" area and just click on "Meteorology". You will get:

14 Databases                      41 Links                      1 Reference  
10 Government Documents      6 Local Resources                      2 Search Engines

Even these are not all of the available resources on meteorology. For example, it doesn't pull up Pollution Abstracts with lots of information on topics like global warming or ScienceDirect Elsevier Science Web Editions which even has articles on Oklahoma's drought. For those you'll have to search other areas of LORA.



## Useful Tips about Some of the Databases:

### AccessScience

- Includes the *McGraw-Hill Encyclopedia of Science and Technology*, the *McGraw-Hill Dictionary of Scientific and Technical Terms*, and latest news from *Science News*.
- Good for an easy to read overview of a topic or definition of a term.
- Also has bibliographies, an image gallery, biographies of scientists and related web sites.

### American Meteorological Society

- Can search all AMS journals or select individual journals to search.
- Complete runs of most journals from volume 1 to the present. Exceptions are the Bulletin of the American Meteorological Society which goes back to vol. 51 in 1970 (NWC Library has paper copies of BAMS back to vol. 26 in 1945) and the Monthly Weather Review which goes back to vol. 30 in 1902 (NWC Library has paper copies back to vol. 7 in 1879).
- Can do wildcard searches –
  - \$ pulls up variations of same word – e.g. *\$measure* retrieves measure, measurement, measured and measuring.
  - % percent wildcard – e.g. *%scale* pulls up terms with scale in them like large-scale, mesoscale, microscale, etc.

### Meteorological and Geostrophysical Abstracts

- From 1974 to the present.
- Search results are identified as journal articles, conferences, books, reports and websites.
- Can register your topic and email address under *Alerts*, and new information on that topic will be emailed to you.
- Some full text but, if not, many of the journals cited are available in the NWC Library.

### Pollution Abstracts

- From 1981 to the present.
- Search results are identified as journals, conferences, books, reports, dissertations, patents and related websites.

### ScienceDirect Elsevier Science Web Edition

- Includes reference books such as the *Encyclopedia of Atmospheric Sciences*.
- Search results show full text (if OU has a subscription to that journal) or abstract only.
- Can browse journal titles, so, for example, you can see what articles are in the September, 2006, issue of *Atmospheric Research*.
- Can set “topic alerts”, and you’ll get an email when new material on that topic is added to the database.

### Web of Science

- Mostly citations and abstracts from 1900 to the present. When there is full text, it indicates that you can read the complete article. (Again, check the NWC Library if it’s not full text – we may have the journal.)
  - Can search by topic, author, journal or address and can limit by publication date. For example, you can look up articles published by an individual OU or NOAA researcher or discover articles on a topic published by all OU faculty or NSSL researchers.
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