



New Items in the Library

- **The Advanced Very High Resolution Radiometer;** Arthur P. Cracknell; 1997; QC475.8 .C73 1997

Over the years since the launch of the first of the Advanced Very High Resolution Radiometers (AVHRRs) in 1978, the data from these instruments have

come to be used for a very wide range of non-meteorological applications. In this book, the author describes the satellite system, the instrument itself, the control of the

spacecraft and the data-recovery arrangements. The book also covers various aspects of the processing of the data to extract useful environmental information. The applications of the data to marine problems, based primarily on the study of sea-surface temperatures from the thermal-infrared channels of the instrument, are considered, as well as the study of vegetation and a whole variety of other land-based and hydrological applications.

Continued on Page 2

Betty Petersen Memorial Library

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LIBRARY LEADS

LIBRARY SERVICES

NOAA Photo Library is a collection of photos, free from copyright restrictions, that have been accumulated by library reference staff.

The Photo Library (<http://www.photolib.noaa.gov/>) has over 32,000 digitized images from a variety of sources, including books, maps, photographs taken by different NOAA divisions, and diagrams. There are collections of photographs entitled Fisheries, Weather Wonders, NOAA's Ark (which has pictures of animals) and many more. While the subject of the photos is varied, the collection focuses on weather and space, shores and coastlines, and marine images.

These images are in the public domain and the library would like to encourage their use for educational or NOAA related goals. Patrons can feel

COLLECTIONS

- [America's Coastlines](#)
- [Art of the Photo Library](#)
- [Beginnings/Endings](#)
- [C&GS](#)
- [Coral Kingdom](#)
- [Fisheries](#)

The NOAA Photo Library has been built so as to capture the work, observations, and studies that are carried on by the scientists, engineers, commissioned officers, and administrative personnel that make up this complex and scientifically diverse agency. [\(MORE\)](#)

Meet the Photographers - The NOAA Photo collection would not exist but for the generous individuals who are willing to share their remarkable images and observations with America and the rest of the world; [meet some of the men and women who have made the NOAA Photo Library possible.](#)

free to download the images, which are often available in high resolutions. Credit must be given to the National Oceanic and Atmospheric Administration/ Department of Commerce. Also, please credit the photographer, if noted.

The Library is organized by collections. If you would like to search through the

collection without browsing for a specific image, use the search strategy outlined under the search tab (<http://www.photolib.noaa.gov/search.html>).

If you have any questions, please contact jan.thomas@noaa.gov

CALLING ALL PRESENTERS!

The library is attempting to continue its Library Technical Seminars to help promote potential topics that might be interesting your co-workers within the World Weather Building.

If you are interested in presenting on any of the following topics, or topics that

you think may be of interest, please contact:

Jan.thomas@noaa.gov
301-763-8266

Topics of interest:

- Java
- Python

- Fortran
- C, C++
- Perl
- Mathematica
- SQL
- Unix/Linux Shell Scripting

NOAA IN THE NEWS

Gold Rush on the Coast: Researcher clamor for cash

[Link to article](#)

September 29, 2010

Once a backwater in the world of oceanographic research, the Gulf of Mexico has suddenly become the site of a scientific gold rush, all because of the BP oil spill.

Joint Expedition Discovers Deep-Sea Biodiversity, New Volcanoes

[Link to article](#)

By Dennis Normile

September 10, 2010

The shallow water reefs of the

Coral Triangle, which stretch across Indonesia and north through the Philippines, host the worlds greatest diversity of corals, fish, crustaceans, and marine plant species. Now preliminary results from a joint Indonesian-US marine survey indicates that that biodiversity runs deep.

Extreme Heat Bleaches Coral, Seen as Threat

[Link to article](#)

By Justin Gillis

September 20, 2010

This year's extreme heat is putting the world's coral reefs under such severe stress that scientists fear widespread

die-offs, endangering not only the richest ecosystems in the ocean but the fisheries that feed millions of people.

Where did the oil go? Researchers point to sea floor

[Link to article](#)

By Dugald McConnell

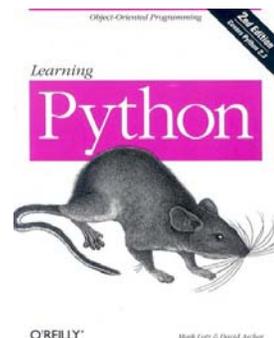
September 15, 2010

A team of researchers in the Gulf of Mexico say they found an oily layer s think as two inches coating the sea floor in some places , and they believe it may be from the BP oil spill.

If you have any news suggestions, please email jan.thomas@noaa.gov

- **Learning Python; Mark Lutz and David Ascher; 2004;** QA76.73.P98 L877 2004

The authors of *Learning Python* show you enough essentials of the Python scripting language to enable you to begin solving problems right away, then reveal more powerful aspects of the language one at a time. This approach is sure to appeal to programmers and system administrators who have urgent problems and a preference for learning



by semi-guided experimentation. First off, *Learning Python* shows the relationships among Python scripts and their interpreter (in a mostly platform-neutral way). Then, the authors address the mechanics of the language itself, providing illustrations of how Python conceives of numbers, strings, and other objects as well as the operators you use to work with them. Dictionaries, lists, tuples, and other data structures specific to Python receive plenty of attention including complete examples. Authors Mark Lutz and David Ascher build on that fundamental information in their discussions of functions and modules, which evolve into coverage of namespaces, classes, and the object-oriented aspects of Python programming. There's also information on creating graphical user interfaces (GUIs) for Python applications with Tkinter.

THIS MONTH IN WEATHER HISTORY

- **10/03/1912**

The longest dry spell of record in the US commenced in Bagdad, CA, went 767 days without rain

- **10/3/1964**

Hurricane Hilda struck Louisiana spawning many tor-

nadoes, claiming twenty two lives.

- **10/7/1981**

Seattle, WA, received four inches of rain in 24 hours, a record for the city.

- **10/4/1777**

The Battle of Germantown was fought in the morning fog that grew more dense with the smoke of battle, causing great confusion. Americans firing at each other contributed to the loss of the battle.

ELECTRONIC RESOURCE SPOTLIGHT WEB OF KNOWLEDGE

NOAA has a subscription to Web of Knowledge, which is a resource that allows you to carry out citation analysis on articles in over 7500 different scholarly and technical journals. The Journal Citation Reports can show you the leading journals in the field, most frequently cited journals and related journals in a field.



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These searches can help you discover what the impact factor of journals are and track how and where articles have been cited in the past.

Web of Knowledge also is tied in with End Note Web, which will allow patrons to use end note to create bibliographies based on search queries.

Web of Knowledge is accessible from NOAA IP addresses. You can access it online at:

<http://www.isiknowledge.com/WOS>