

Arctic Alive! is a distance-learning environment that allows students to participate virtually in arctic research at unique and remote locations without ever leaving their classrooms. Arctic Alive! is an interactive, real-time, web-based education program that uses a variety of delivery methods and e-learning strategies to deliver arctic research to the classroom.

About the Arctic Alive Program

Arctic Alive! uses the Internet as an interactive, real-time, web-based education resource as well as a valuable information site. Students interact with researchers in remote arctic locations by using a variety of technologies. Through these technologies and corresponding curricula, classrooms will simultaneously investigate the Arctic, discover science careers, and experience this unique and exciting world right along with the researchers and residents.

Arctic Alive! focuses on a different arctic research issue each year. Each theme-based *Arctic Alive!* program is designed to integrate into the classroom by complementing current curricula. The success of the program is attributed to simple technology, the ability to be adapted into current curricula, and the opportunity for students to interact directly with the researchers. *Arctic Alive!* is designed to align with national education standards in technology, science, and math.

Through Arctic Alive:

Students will be encouraged to explore scientific careers, will better understand current research, and will be more aware of the Arctic as a critical component of the global environment.

Educators will acquire a valuable new tool for science teaching and teaching about in the Arctic, an area about which there is scant instructional material.

Indigenous peoples of the North will gain a platform for sharing traditional knowledge regarding the lands they have inhabited for more than 10,000 years.

Practicing scientists will be enriched by contact with future scientists of the 21st century. Reporting from

isolated locations such as an ice field in Greenland or a Naval vessel navigating the Arctic Ocean, researchers will have the opportunity to capture students' imagination with the excitement and adventure of science.



Andy Mahoney pointing to the brown algae layer in a sea-ice core.



www.arcus.org/arcticalive/

For more information, contact Janet Warburton, ARCUS, 907-474-1600 or janet@arcus.org

Yes! I'd like to learn more about Arctic Alive!

Name: _____
School or Organization: _____
Mailing address: _____
City: _____ State: _____ Zip: _____
e-mail: _____
Phone: _____ Fax: _____

Participation Guidelines and Requirements for Arctic Alive!

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Arctic Alive! is developed and administered by the Arctic Research Consortium of the U.S. (ARCUS). ARCUS is a nonprofit corporation consisting of United States and international universities and research organizations conducting educational and research programs in the arctic. For more information about ARCUS, see www.arcus.org, phone (907) 474-1600, or e-mail info@arcus.org.

Welcome to Arctic Alive!

Expeditions can occur at any time. To find out when and where the next one is, go to www.arcus.org/arcticalive/ and click on the "Expedition Information" link. Previous expeditions are archived, so there is something available all year!

Participation in Arctic Alive! is easy!

The web site and virtual field trips are designed for K-12 grades and home school families. Most of the material, however, is written for middle-school students. The web site and virtual field trips are available to all schools.

Educators can choose what level of participation best suits their needs.

Technical Requirements

To get the maximum benefit from the web site, it is suggested that you have the minimum technical requirements:

- an Internet browser (Netscape 4.7 or higher or Internet Explorer 4 or higher) with cookies enabled
- monitor resolution set at 1024 x 768 or better
- sound card
- Acrobat Reader (4.0 or higher)



Arctic Alive! project teacher Patrick Lovely points to the location of the 2002 Geosciences virtual field trip.

