

# *Aurora Alive*

## **Bibliography**

Akasofu, S.-I. (1979). *Aurora borealis: the amazing northern lights*. *Alaska geographic*, v. 6, no. 2. [Anchorage: Alaska Geographic Society].

Alaska Native Knowledge Network. (2000). *Guidelines for respecting cultural knowledge*. [Fairbanks, Alaska]: Alaska Native Knowledge Network.

Alaskool.org. (n.d.) Interactive Inupiaq dictionary. <http://www.alaskool.org/language/dictionaries/inupiaq/dictionary.htm>

Arnett, W.A. (1994-2006). *The nine 8 planets: a multimedia tour of the solar system*. <http://www.nineplanets.org>

Assembly of Alaska Native Educators. (2001). *Guidelines for strengthening indigenous languages*. [Fairbanks, Alaska]: Alaska Native Knowledge Network.

Badten, L. W., Kaneshiro, V. O., Oovi, M., & Jacobson, S. A. (1987). *A dictionary of the St. Lawrence Island/Siberian Yupik Eskimo language*. Fairbanks: Alaska Native Language Center, College of Liberal Arts, University of Alaska, Fairbanks.

Balch, C. (n.d.) *Relationship between Kp and the aurora*. Space Environment Center. <http://www.sec.noaa.gov/info/kp-aurora.html>

Baker, W., Haslam, A., Parsons, A., & Barnes, J. (1993). *Earth: a creative, hands-on approach to science. Make-it-work!*. New York: Aladdin Books.

Becklate, S., Delf, B., & Corbella, L. (1988). *Space: stars, planets and spacecraft. Windows on the world*. Hawthorn, Vic: Hutchinson Australia.

Carin, A. A., & Sund, R. B. (1980). *Discovery activities for elementary science*. Columbus, Ohio: C.E. Merrill Pub. Co.

Cash, T., Parker, S., Taylor, B., Chen, K. K., & Bull, P. (1991). *175 more science experiments to amuse and amaze your friends: experiments! tricks! things to make!* New York: Random House.

Curtis, J. (1995-2003). *Aurora's Northern Nights*. <http://climate.gi.alaska.edu/Curtis/curtis.html>

Davis, T. N. (1992). *The aurora watcher's handbook*. Fairbanks: University of Alaska Press.

Dunn, R. S., & Dunn, K. J. (1993). *Teaching secondary students through their individual learning styles: practical approaches for grades 7-12*. Boston: Allyn and Bacon.

Eather, R. H. (1980). *Majestic lights, the aurora in science, history, and the arts*. Washington, D.C.: American Geophysical Union.

- General Atomics. Fusion education. (n.d.) <http://fusioned.gat.com/>
- Geophysical Institute. University of Alaska Fairbanks. <http://www.gi.alaska.edu>
- Geophysical Institute. (n.d.) Aurora forecast. <http://www.gedds.alaska.edu/AuroraForecast/>
- Jacobson, S. A. (1984). Yup'ik Eskimo dictionary. [Fairbanks]: Alaska Native Language Center, University of Alaska.
- Jetté, J., Jones, E., & Kari, J. M. (2000). Koyukon Athabaskan dictionary. Fairbanks, AK: Alaska Native Language Center, University of Alaska Fairbanks.
- Kagan, S. (1994). Cooperative learning. San Juan Capistrano, CA: Kagan Cooperative Learning.
- Kusugak, M., & Kryorka, V. (1993). Northern lights: the soccer trails. [Toronto]: Annick Press.
- Lipson, G. B., Romatowski, J. A., & Nadler, H. S. (1981). Calliope: a handbook of 47 poetic forms and figures of speech. Carthage, Ill: Good Apple.
- National Aeronautics and Space Administration (NASA). (2007). <http://www.nasa.gov/>
- National Aeronautics and Space Administration (NASA). (2007). Solar system exploration: planets. <http://solarsystem.nasa.gov/planets/index.cfm>
- National Aeronautics and Space Administration (NASA). Student observation network: tracking a solar storm. [http://son.nasa.gov/tass/magnetosphere/ob\\_kp.htm](http://son.nasa.gov/tass/magnetosphere/ob_kp.htm)
- National Aeronautics and Space Administration. (2007). STEREO: solar terrestrial relations observatory. <http://stereo.gsfc.nasa.gov/>
- National Air and Space Museum. (n.d.) Exploring the planets. <http://www.nasm.si.edu/research/ceps/etp/etp.htm>
- National Geophysical Data Center (NGDC). (n.d.) Yearly mean sunspot numbers. [ftp://ftp.ngdc.noaa.gov/STP/SOLAR\\_DATA/SUNSPOT\\_NUMBERS/YEARLY](ftp://ftp.ngdc.noaa.gov/STP/SOLAR_DATA/SUNSPOT_NUMBERS/YEARLY)
- NOAA/National Weather Service. Space Environment Center. <http://www.sec.noaa.gov/>
- Peter, K. (1993). Dinjii zhuh ginjik nagwan tr'it'saii Gwich'in junior dictionary. Anchorage, Alaska: Printed by the National Bilingual Materials Development Center, Rural Education Affairs, University of Alaska.
- Public Broadcasting Service (PBS). (2000). Tesla: Tesla for teachers. <http://www.pbs.org/tesla/>
- Santa, C. M., Havens, L. T., & Maycumber, E. M. (1996). Project CRISS: creating independence through student-owned strategies. Dubuque, Iowa: Kendall/Hunt.
- Savage, C. S. (1994). Aurora: the mysterious northern lights. San Francisco: Sierra Club Books.
- Simon, S. (1996). The sun. New York: Morrow Junior Books.

- Sneider, C. I. (1991). Height o meters: teacher's guide. Great explorations in math and science. Berkeley, Calif: Lawrence Hall of Science, University of California.
- Souza, D. M. (1993). Northern lights. Minneapolis: Carolrhoda Books.
- Spaceweather.com. (2007). <http://www.spaceweather.com>
- Steck-Vaughn Company. (1997). Steck-Vaughn projects: science. Austin , TX: Raintree Steck-Vaughn.
- University of New Hampshire Experimental Space Plasma Group. Build Your Own ACE Satellite. <http://www.ssg.sr.unh.edu/tof/Missions/Ace/Model/acemodel.html>
- VanCleave, J. P. (1991). Janice VanCleave's physics for every kid: 101 easy experiments in motion, heat, light, machines, and sound. New York: Wiley.
- Van Helden, A. (1995). The Galileo project: sunspots. <http://galileo.rice.edu/sci/observations/sunspots.html>
- Walsh Shepherd, D. (1995). Auroras: light shows in the night sky. A first book. New York: F. Watts.
- Yohkoh Public Outreach Program. (n.d.) Solar rotation. <http://solar.physics.montana.edu/YPOP/Classroom/Lessons/Rotation>
- Zike, D. (2001). Dinah Zike's big book of science: middle school & high school. San Antonio, Tex: Dinah-Might Adventures.

## **Contributors**

Berry Bertram, Kathy. Principal Investigator. Geophysical Institute. University of Alaska Fairbanks.

### **Chief Science Editors:**

Akasofu, Syun-Ichi. Director, International Arctic Research Center. University of Alaska Fairbanks.

Smith, Roger. Director, Geophysical Institute. University of Alaska Fairbanks.

### **Scientific Expertise from the Geophysical Institute at the University of Alaska Fairbanks:**

Brown, Neal. Director, Alaska Space Grant Program. (Affiliated organization).

Bristow, Bill. Associate Professor of Electrical and Computer Engineering. Space Physics and Aeronomy.

Conde, Mark. Assistant Professor of Physics. Space Physics and Aeronomy.

Craven, John. Professor of Physics. Space Physics and Aeronomy.

Deehr, Charles. Professor Emeritus of Physics. Space Physics and Aeronomy.

LaBelle-Hamer, Nettie. Director, Alaska Satellite Facility.

Lummerzheim, Dirk. Research Professor. Space Physics and Aeronomy.

Moudry, Dana. Postdoctoral fellow. Atmospheric Sciences.

Otto, Antonius. Professor of Physics. Space Physics and Aeronomy.

Sun, Wei. Research Associate of Space Physics. Space Physics and Aeronomy.

Watkins, Brenton. Professor of Physics. Space Physics and Aeronomy.

Wiechen, Heinz. Associate Professor of Physics. Space Physics and Aeronomy.

**Linguistic Expertise:**

Brower Sr., Ronald H. Instructor of Inupiaq Eskimo. Alaska Native Language Center. University of Alaska Fairbanks.

Jacobson, Steve. Professor of Yup'ik Eskimo. Alaska Native Language Center. University of Alaska Fairbanks.

Jones, Eliza. Translator of Koyukon (Denaakk'e). Koyukuk, Alaska.

Sikorski, Hinshlai' Kathy. Instructor of Gwich'in. Alaska Native Language Center. University of Alaska Fairbanks.

**Lesson Developers:**

Berry Bertram, Kathy. Geophysical Institute. University of Alaska Fairbanks.

Cooper, Gary. Teacher. Delta Junction, Alaska.

Dyer, Katie. Geophysical Institute. University of Alaska Fairbanks.

Fisher, Charleen. Teacher. Beaver, Alaska.

Ryan, Jessica. Geophysical Institute. University of Alaska Fairbanks.

Schoening, Lori. Geophysical Institute. University of Alaska Fairbanks.

Skinner, Olga. Geophysical Institute. University of Alaska Fairbanks.

Wightman, Cynde. Teacher. Galena, Alaska.