



# Astronomy Handbook for Teachers © 2003

## Addendum & Errata



Web sites change frequently and print editions of books do not. We offer this list of updated Web resources to assist you with the lessons and astronomy content of Skyways. Also included, as **Part Two, Errata** are updates to some facts and figures (e.g. status of Pluto) that have changed since first publication.

Provided courtesy of M. L. Whitehorne, Blake Nancarrow and RASC, 2008.

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### Part One: Web Updates

Pages 2 and 3, SkyNews Magazine astronomy clubs listing, new link: [http://skynews.ca/pages/astronomy\\_clubs.html](http://skynews.ca/pages/astronomy_clubs.html).

Page 11, online astronomy tests at OISE, new link: <http://leo.oise.utoronto.ca/~ewoodruff/>

Page 26, National Science Teachers Association, new link: <http://www.nsta.org/publications/interactive/aws-din/>

Page 38, Starry Night software, new link: [www.starrynighteducation.com](http://www.starrynighteducation.com)

Page 40, Bay of Fundy tides, new link: [http://www.glinx.com/~sherm/tide\\_index.htm](http://www.glinx.com/~sherm/tide_index.htm).

Page 48, column 2: [aspsky.org](http://www.aspsky.org) web site on urban sky glow updated to:  
<http://www.astrosociety.org/education/publications/tnl/44/lightpoll.html>.

Page 48, column 2: [dustbunny.com](http://www.dustbunny.com) web site updated to <http://dustbunny.com/afk/>.

Page 48, column 2: <http://www.ap.smu.ca/bgo> updated to: <http://www.smu.ca/academic/science/ap/bgo.html>.

Page 57, new link: [http://lunar.arc.nasa.gov/education/activities/pdf/make\\_a.pdf](http://lunar.arc.nasa.gov/education/activities/pdf/make_a.pdf)

Page 61, new link, NASA rocketry teacher guide can be downloaded here:  
<http://www.nasa.gov/lb/audience/foreducators/topnav/materials/listbytype/Rockets.html>.

Page 66 umbra web site, new link: <http://umbra.nascom.nasa.gov/>.

Page 69, column 1: variable stars, new link: <http://www.aavso.org/education/activities.shtml>

Page 78, galaxy images, new link: [http://hubblesite.org/gallery/album/galaxy\\_collection/](http://hubblesite.org/gallery/album/galaxy_collection/)

Page 78, Milky Way images, new link: [http://antwrp.gsfc.nasa.gov/apod/milky\\_way.html](http://antwrp.gsfc.nasa.gov/apod/milky_way.html)

Page 82, Montana site, new link: <http://btc.montana.edu/ceres/html/Universe/uni1.html>.

Page 86, Drake equation, new link: <http://btc.montana.edu/ceres/html/DrakeEquation/Drake.htm>.

Page 94, for more info on "blue moon" see: <http://www.skyandtelescope.com/observing/objects/moon/3305141.html>

Page 95, Pluto has now been reclassified as a dwarf planet.

Page 102, Space Image Libraries, new link: <http://www.nasa.gov/multimedia/imagegallery/index.html>.

Page 102, Structure & Evolution of the Universe, new link:  
<http://cfa-www.harvard.edu/seuforum/>

Page 102, NASA Imagine the Universe, new link: <http://imagine.gsfc.nasa.gov/>

Page 102, NASA Starchild, new link: <http://starchild.gsfc.nasa.gov/docs/StarChild/StarChild.html>

Page 102, Astrocappell, new link: <http://astrocappella.com/>

Page 102, NASA Spacelink, new site: <http://education.nasa.gov/home/index.html>.

Page 103, Thursday's Classroom, new link: <http://www.teachearth.com/>

Page 103, Canadian Space Agency, new link: <http://www.space.gc.ca/asc/eng/kidspace/kidspace.asp>.

Page 103, Space Place, new link: [http://spaceplace.nasa.gov/en/educators/teachers\\_page2.shtml](http://spaceplace.nasa.gov/en/educators/teachers_page2.shtml).

Page 103, Hubble Space Telescope Images, new link: <http://hubblesite.org/newscenter/>.

Page 104, Ontario Institute for Studies in Education, new link: <http://leo.oise.utoronto.ca/~ewoodruff/>

Page 104, Burke-Gaffney Observatory, new link: <http://www.smu.ca/academic/science/ap/bgo.html>

Page 104, David Dunlap Observatory, new link: <http://www.astro.utoronto.ca/DDO/>

Page 104, Dominion Radio Astrophysical Observatory, new link: <http://www.drao-ofr.hia-ih.nrc-cnrc.gc.ca/>

Page 104, Gordon MacMillan Southam Observatory, new link: <http://hrmacmillanspacecentre.com/>.

Page 104, Helen Sawyer Hogg Observatory, new link:  
[http://sciencetech.technomuses.ca/english/whatson/hogg\\_observatory.cfm](http://sciencetech.technomuses.ca/english/whatson/hogg_observatory.cfm).

Page 104, Herzberg Institute of Astrophysics, new link: [http://www.hia-ih.nrc-cnrc.gc.ca/main\\_e.html](http://www.hia-ih.nrc-cnrc.gc.ca/main_e.html)

Page 104, Hume Cronyn Observatory, new link: <http://astro.uwo.ca/>

Page 104, Ken Odaiskey Memorial Observatory: not available.

Page 104, Observatoire astronomique du mont Mégantic, new link: <http://www.astrolab-parc-national-mont-megantic.org/>

Page 104, Prince George Astronomical Society Observatory, new link: <http://vts.bc.ca/pgrasc>.

Page 104, Science North, new link: <http://sciencenorth.ca/>.

Page 104, Canadian Observatories – additional entry: University of Waterloo, <http://astro.uwaterloo.ca/>.

Page 105, Ontario Science Centre, new link: <http://ontariosciencecentre.ca/>.

Page 105, Pacific Science Centre, new link: <http://hrmacmillanspacecentre.com/>.

Page 105, Burke-Gaffney Observatory, new link: <http://www.smu.ca/academic/science/ap/bgo.html>

Page 105, David Dunlap Observatory, new link : <http://www.astro.utoronto.ca/DDO/>

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Page 106, Helen Sawyer Hogg Observatory, new link:  
[http://sciencetech.technomuses.ca/english/whatson/hogg\\_observatory.cfm](http://sciencetech.technomuses.ca/english/whatson/hogg_observatory.cfm)

Page 106, Hume Cronyn Observatory, new link <http://astro.uwo.ca/>.

Page 106, Ken Odaiskey Memorial Observatory: not available.

Page 106, Observatoire astronomique du mont Mégantic, new link: <http://www.astrolab-parc-national-mont-megantic.org/>

Page 106, Prince George Centre RASC Observatory, new link: <http://vts.bc.ca/pgrasc>.

Page 106, Science North, new link: <http://sciencenorth.ca/>.

Page 106, Centre of the Universe, new link: [http://www.hia-ihh.nrc-cnrc.gc.ca/cu/main\\_e.html](http://www.hia-ihh.nrc-cnrc.gc.ca/cu/main_e.html)

Page 106, Doran Planetarium, new link: <http://www.nhs.laurentian.ca/physics/planetarium/doranenglish/index.htm>.

Page 108, Ontario Science Centre, new link: <http://ontariosciencecentre.ca/>

Page 108, W.J. McCallion Planetarium, new link: <http://www.physics.mcmaster.ca/planetarium/>.

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## Part Two: Errata

Page 30, Table 2, fourth entry in “Sets” column should read as “night (am)”

Page 45, Table 5, 1 astronomical unit (1 AU) = 150,000,000 km

Page 59, Table 6:

Mars equatorial diameter (km) = 6792

Pluto equatorial diameter (km) = 2390

Saturn number of moons = 60

Uranus number of moons = 27

Neptune number of moons = 13

Neptune number of rings = 5

Dwarf planet Pluto number of moons = 3

Page 96, **Q. Are there other planets in the universe? How many?**

To date, 287 exoplanets have been discovered. For more information see: <http://planetquest.jpl.nasa.gov/>