A Topical Index to the Main Articles in *Mercury Magazine* (1972 – 2019)
Compiled by Andrew Fraknoi *(U. of San Francisco)*
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**Note:** This index, organized by subject matter, only covers the longer articles in the Astronomical Society of the Pacific’s popular-level magazine; it omits news notes, regular columns, Society doings, etc. Within each subject category, articles are listed in chronological order starting with the most recent one.

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Amateur Astronomy

Fienberg, R. & Arion, D. Three Years after the International Year of Astronomy: An Update on the Galileoscope Project, 2012 Autumn, p. 22.
Simmons, M. Sharing Astronomy with the World [on Astronomers without Borders], 2008 Spring, p. 14.
Verhage, P. Traveling to the Edge [on amateur astronomical balloon launches], 2004 Jul/Aug, p. 20.
White, S. Bright Lights, Big City: Overcast Survival Guide [how to deal with skyglow], 2004 May/Jun, p. 34.
Simmons, M. Astronomy in Iran, 2003 Jan/Feb, p. 28.
White, S. Advanced Adventures at Kitt Peak [amateurs can use some facilities], 2001 Jul/Aug, p. 32.
Klimushkin, D. Astronomy on the Banks of the Baikal [amateur activities in Irkutsk in Russian Siberia], 1999 Jan/Feb, p. 28.
Loyer, G. Reaching Beyond our Grasp [1-m size amateur telescopes], 1996 Jul/Aug, p. 27.
Willcox, K. The Golden Age of Amateur Astronomy [is now], 1996 Jan/Feb, p. 32.
Levy, D. Comet Tales [about an amateur’s comet observations], 1994 Jul/Aug, p. 6.
Mayer, B. Observational Astrology [Using Star-Frames to Get to Know the Constellations], 1987 Jul/Aug, p. 111.
Maley, P. Grazing Occultations, 1977 Jan/Feb, p. 16.

Archaeoastronomy

Naze, Y. Mystery Star 1054 [observations of the supernova that formed the Crab Nebula], 2004 Jul/Aug., p. 12.
Shilling, G. The Star-Pyramid Connection [how Egyptian pyramids were aligned], 2001 Jul/Aug, p. 28.
Snedegar, K. Ikhwezi is the Morning Star [the astronomy of South African peoples], 1997 Nov/Dec, p. 12.
Whitlock, G. Digging into Science: Archaeoastronomy in a Multicultural Science Curriculum, 1995 Jul/Aug, p. 32.
Krupp, E. Along the Milky Way [myths from many cultures], 1991 Nov/Dec, p. 162.

Asteroids

O'Neill, I. The Interstellar Visitor [Asteroid from Beyond the Solar System], Winter 2018, p. 43.
Martel, L. Melted Crumbs from Asteroid Vesta [tiny meteorites], 2008 Winter, p. 20.
Dorminey, B. Astrobiology’s Long Road [did life begin on Earth and/or elsewhere], 2006 Mar/Apr, p. 26.
Semeniuk, I. Asteroid Impact: Sizing up the Hazard [has a number of sidebars by noted experts on comet impacts, the K/T impact, etc], 2002 Nov/Dec, p. 24.
Thomas, P. The Shapes of Things to Come [why planets are round and asteroids craggy], 1996 May/Jun, p. 28.

Astrobiology

Spitz, A. Learning and Communicating Across the Disciplines [astronomy and biology], 2007 Spring, p. 32.
Cuntz, M. & Williams, P. Life without Carbon [on other chemical bases for life], 2006, May/Jun, p. 12.
McKay, C. Promethean Ice [could comets have brought the beginnings of life to Earth?], 1996 Nov/Dec, p. 15.
Reis, R. & Klein, H. Where are we in the Search for Life on Mars: An Interview, 1977 Mar/Apr, p. 2.
Barber, V. Theories of the Chemical Origin of Life on Earth, 1974 Sep/Oct, p. 20.

Astronomers

Easwar, N. Chandra: The Man Behind the Science [on his life and family], 2011 Spring, p. 18.
Kraft, R. Thoughts on Receiving the Bruce Medal, 2005 Nov/Dec, p. 32.
Sheehan, W. The Tragic Case of T.J.J. See, 2002 Nov/Dec, p. 34.
Edmondson, F. Daniel Kirkwood: Dean of American Astronomers, 2000 May/Jun, p. 27.
Price, J. & Hafer, A. American Minorities in Astronomy: Some Gains, a Long Way to Go, 1995 May/Jun, p. 10. [This article introduces a series of shorter reports.]
Tenn, J. John Plaskett: The 27th Bruce Medalist, 1995 Jan/Feb, p. 34.
Tenn, J. Willem deSitter: The 26th Bruce Medalist, 1994 Sep/Oct, p. 28.
Tenn, J. Herbert Turner: The 22nd Bruce Medalist, 1994 Jan/Feb, p. 16.
Tenn, J. Benjamin Baillaud: The 18th Bruce Medalist, 1993 May/Jun, p. 86.
Tenn, J. George Hale: The 13th Bruce Medalist, 1992 May/Jun, p. 94.
Tenn, J. David Gill: The 3rd Bruce Medalist, 1990 May/Jun, p. 84.
Gascoigne, S. Bart Bok at Mount Stromlo, 1984 Mar/Apr, p. 45.
Lada, C. Bart J. Bok: A Tribute to a Most Remarkable Astronomer, 1984 Mar/Apr, p.35.
Reis, R. Interview with George Abell, 1976 Mar/Apr, p. 8.
Reis, R. Interview with Geoffrey and Margaret Burbidge, 1975 Jul/Aug, p. 11.
Reis, R. Interview with Harold Klein, 1975 Jan/Feb, p. 8
Astronomy: General

Odekon, M. The Uses of Astronomy, 2010 Winter, p. 18. (Comparing a 19th century discussion of the topic to what we would say today.)
Hillenbrand, L. 400 Years of Astronomical Discovery: The Story of our Accelerating Understanding of Our Place in the Universe, 2009 Autumn, p. 21. (9-page history)
Kwok, S. What Astronomy Might Have Been [what if the Earth were located in places where the night sky was hard to see], 2004 Sep/Oct, p. 12.
White, J. Seeing the Sky in a Whole New Way [the National Virtual Observatory], 2003 Mar/Apr, p. 37.
Impey, C. The End of Astronomy? [have we figured it all out?], 2000 May/Jun, p. 34.
Trimble, V. 99 Things about the Last 100 Years of Astronomy, 1999 Nov/Dec, p. 36.

Binary Stars

Trimble, V. How to Survive the Cataclysmic Binaries, 1980 Jan/Feb, p. 8.
Wilson, R. Binary Stars: A Look at Some Interesting Developments, 1974 Sep/Oct, p. 4.

Black Holes

Murray, S. Lifting the Curtain [on the image of the M87 black hole taken by the EHT], 2019 Spring, p. 28.
McKinnon, M. Into the Abyss [on the Event Horizon Telescopes], 2018 Winter, p. 33.
Garland, C. Peering into the Dark [how to observe black holes, large and small], 2004 Mar/Apr, p. 32.
Kaufmann, W. Primordial Black Holes, 1980 Jan/Feb, p. 1. (Also 1976 May/Jun, p. 8.)

Comets

Murray, S. Passing Through [on the two interstellar comets seen so far] 2019 Autumn, p. 29.
Filippenko, A. The Story of Comets and Comet ISON, 2013 Autumn, p. 31-38.
McKay, C. Promethean Ice [could comets have brought the beginnings of life to Earth?], 1996 Nov/Dec, p. 15.
Yau, K. Comets Now and Then [on historical records of comets, especially from Asia], 1996 Nov/Dec, p. 22.
Levy, D. Comet Tales [about an amateur’s comet observations], 1994 Jul/Aug, p. 6.
Machholz, D. Comet Hunting [from an amateur astronomer perspective], 1979 May/Jun, p. 57.

**Cosmic Rays**


**Cosmology**

Middleton, C. Using a Brane to Probe the Bulk [Multiverse Theory], 2006 Mar/Apr, p. 18.
Cano, Z. Phase Transitions and Exotic Relics, 2005 May/Jun, p. 34.
Impey, C. Truth and Beauty in Cosmology: Does the Universe have an Aesthetic [searching for order in the laws of the cosmos], 2004 Jan/Feb, p. 30.
Gefter, A. Decoding the Mystery of Dark Energy, 2003 Sep/Oct, p. 34.
Bromm, V. Cosmic Renaissance [the end of the universe’s “dark ages”], 2003 Sep/Oct, p. 25.
Livio, M. Is God a Mathematician? [how math models the universe], 2003 Jan/Feb, p. 26. [has a box by R. Naeye on “A Cyclic Cosmology]
Adams, F. & Laughlin, G. The Great Cosmic Battle [the far future of the universe], 2000 Jan/Feb, p. 10.
Impey, C. The Unspeakable Act of Creation [on the ideas of cosmology and a meeting of cosmologists], 1998 Mar/Apr, p. 9.
Musser, G. After the End of Science [new ideas in physics and how they relate to our understanding of the universe at large], 1997 Nov/Dec, p. 22.
Davies, P. The First One Second of the Universe, 1992 May/Jun, p. 82.
Geller, M. Mapping the Universe: Slices and Bubbles, 1990 May/Jun, p. 66.
McCarthy, P. Measuring Distances to Remote Galaxies and Quasars, 1988 Jan/Feb, p. 19. (Discusses how distances depend on the cosmological model you adopt.)

Distances in Astronomy

Buta, R. & McCall, M. Penetrating the Forest: The Distance to Maffei 1, 1984 Sep/Oct, p. 147.
Tenn, J. Cosmic Distances and QSO's, 1979 Jul/Aug, p. 67.

**Earth**

Marks, J. Our Whirling World [on the astronomical definitions of day and year], 2007 Autumn, p. 28.
Birriel, J. & I. Deadly Cosmic Storms [Historical periods of increased cosmic rays and radiation on Earth], 2006 Jan/Feb, p. 18.
Miller, R. Reflections on the Year of the Ocean, 1999 Jul/Aug, p. 16.
Ridpath, I. The Comet that Hit the Earth [the Tunguska Event], 1977 Sep/Oct., p. 2.

**Eclipses**

Deans, P. Coming to Terms with Solar Eclipses, 2017 Spring, p. 22. (Defining all the vocabulary that goes with eclipses.)
White, V. & Reynolds, M. Party off the Path [holding partial solar eclipse events], Winter 2017, p. 24.
Nichols, N. Making the Most of Limited Resources [to observe an eclipse], Winter 2017, p. 18.
Mayo, L. When Zeus Made Night from Midday [on the total solar eclipse of 29 March 2006 and solar eclipses in general], 2006 Mar/Apr, p. 34.

**Education in Astronomy**

James, C. R. Just the Facts, 2019 Spring, p. 27. [On group assignments to make short
videos for an Astro 101 class.]
James, C. R. Left to Their Own Devices, 2019 Winter, p. 22. [When college students
make their own study guides.]
survey at Arecibo carried out by a consortium of liberal arts college faculty and
students.
outreach program at the University of Virginia to elementary schools.
Overview and history, and how it is still staying relevant.
Follette, K. & McCarthy, D. How We Serve (or Underserve) our Students by Dumbing
Down, 2012 Winter, p. 20. About the use of math in introductory college courses.
Buxner, S., et al. Investigating Where (College) Students Get Their Information about
Gurton, S., et al. Introducing the AAS Astronomy Ambassadors Program, 2012 Autumn,
p. 28.
McCarthy, D. Lighting the Fire: Astronomy Camps at the U. of Arizona, 2012 Spring, p. 16.
Bruning, D. Creating a New Age in Education or Dismantling the Academy [On On-Line
Courses], 2011 Winter, p. 11 and 2011 Spring, p. 10.
Larson, K. What They’ve Always Wondered: Questions Students Ask on the First Day of
Astro 101, 2010 Autumn, p. 25.
Walker, C. Dark Skies from the Ground Up: Before, During, and After GLOBE at Night,
2010 Autumn, p. 36.
Bruning, D. & Fraknoi, A. Cultivate Your Teaching at Cosmos 2010 [A Meeting for Astro
Grice, N. The Touch of Astronomy [Materials for the Visually Impaired], 2007 Summer,
p. 18.
Fraknoi, A. & Wolff, S. *Astronomy Education Review: Astronomy Education Joins the
Stahlman, G. Hot Science in the Classroom [on the Spitzer Space Telescope Research
Program for Students and Teachers], 2007 Summer, p. 30.
Fraknoi, A. The Cosmos in the Classroom Conferences [on Teaching Astro 101], 2007 Spring, p. 12.
Jackson, E. & Rand, L. A Space for Climbing and Teaching [Pipehenge], 2006 May/Jun, p. 32.
DeVries, D. Teaching Across Cultures [physical science in Botswana], 2005 Jul/Aug, p. 12.
Stassun, K. Building Bridges to Diversity [increasing the number of minority astronomers], 2005 May/Jun, p. 20.
Deustua, S. Creating a Digital Repository [for astronomy education materials; compadre], 2004 Mar/Apr, p. 19.
Beal, G. A Partner Approach to Astronomy Education: Project ASTRO the Tucson Way, 2000 Jan/Feb, p. 16.
LoPresto, M. Dealing with Conflicts Between Religion and Science in Introductory Astronomy, 1999 Nov/Dec, p. 36.
Statler, T. Throw the Book at ‘Em [on issues with astronomy textbooks], 1997 Sep/Oct, p. 16.
Larsen, K. That Personal Touch [do scientists going into the classroom one time do any good?], 1997 May/Jun, p. 19.
Caton, D. A Blindman’s Buff through Astronomy [on using media reports in astronomy classes], 1996 Nov/Dec, p. 29.
White, J. Have Observatory, Will Travel [on the CLEA astronomy labs], 1996 May/Jun, p. 16.
Bishop, J. Astronomy Learning and Student Thinking, 1996 Mar/Apr, p. 16.
Whitlock, G. Digging into Science: Archaeoastronomy in a Multicultural Science Curriculum, 1995 Jul/Aug, p. 32.
Mayer, B. Observational Astrology [Using Star-Frames to Get to Know the Constellations], 1987 Jul/Aug, p. 111.

See also: Lab Activities

Exoplanets

Francis, M. 20,000 Alien Worlds Await [about TESS], 2018 Spring, p. 36.  
Durisen, R. Rings of Creation [on proto-planetary nebulae], 2005 May/Jun, p. 12.  
Basri, G. What is a Planet? [need a definition], 2003 Nov/Dec, p. 27.  
Sanquist, E. More than Just a Planet, It's a Meal [on how different systems of planets may form and rearrange], 1999 Jan/Feb, p. 10.  
Doyle, L. In the Wink of a Star [introducing the transit method], 1996 Jul/Aug, p. 20.  
Geller, M. Mapping the Universe: Slices and Bubbles, 1990 May/Jun, p. 66.  
Harrington, R. & B. Barnard’s Star: A Status Report on an Intriguing Neighbor, 1987 May/Jun, p. 76. (Discusses how early reports of a planet might not be right.)  
Harrington, R & B. Can We Find a Place to Live near a Multiple Star, 1978 Mar/Apr, p. 34.  

Galaxies

Wimberly, K. Tiny Galaxies Predict Milky Way’s Doom [on ultrafaint dwarf galaxies], 2018 Winter, p. 11.  
Hunter, D., et al. Big Clusters, Tiny Galaxies [on large star clusters in dwarf galaxies], 2003 May/Jun, p. 34.  
[What did the universe look like in its infancy?]
Conselice, C. A Fresh Look at Galaxy Clusters, 1999 May/Jun p. 10.
Conti, P. Bursting onto the Scene [on starburst galaxies and galaxy collisions], 1997 May/Jun, p. 28.
Kinney, A. Fourteen Billion Years Young [Hubble looks back to when galaxies were forming], 1996 Mar/Apr, p. 29.
Keel, W. The Real Astrophysical Zoo: Colliding Galaxies, 1993 Mar/Apr, p. 44.
Downes, A. Radio Galaxies, 1986 Mar/Apr, p. 34.
Rubin, V. UGC2885, the Largest Known Spiral Galaxy, 1980 May/Jun, p. 78.

**Galaxy (The Milky Way)**

Birriel, J. & I. Deadly Cosmic Storms [Historical periods of increased cosmic rays and radiation based on what is happening in the Galaxy], 2006 Jan/Feb, p. 18.
Oppenheimer, B. White Dwarfs by the Billions [on populations and structures in the Galaxy and how white dwarfs might contribute to them], 2001 May/Jun, p. 16.
Drimmel, R. Warped Kinematics [using HIPPARCOS data to understand the warp of the Galaxy’s disk], 1998 Jul/Aug, p. 7.
Kaufmann, W. Our Galaxy (part 1), 1989 May/Jun, p. 79.
Hertz, P. X-ray Sources in Globular Clusters and the Plane of the Milky Way, 1985 Mar/Apr, p. 42.
Wynn-Williams, G. The Center of our Galaxy, 1979 Sep/Oct, p. 97.

**Gamma-ray Astronomy**
Kurczynski, P. A New View to a Kill [on gamma-ray bursts], 1997 Jul/Aug, p. 25.
Kurczynski, P. Mother of All Fireworks [gamma-ray bursts], 1996 Sep/Oct, p. 16.

**Gravitational Lenses**

Lawrence, J. Gravitational Lenses and the Double Quasar, 1980 May/Jun, p. 66.

**Gravitational Waves**

Bartusiak, M. Pas de Deux [on the discovery of the binary pulsar that led to the indirect discovery of gravitational waves], 2001 Sep/Oct, p. 17.

**History of Astronomy**

Easwar, N. Chandra: The Man Behind the Science [on his life and family], 2011 Spring, p. 18.
Hillenbrand, L. 400 Years of Astronomical Discovery: The Story of our Accelerating Understanding of Our Place in the Universe, 2009 Autumn, p. 21. (9-page history)
Bracher, K. The Promise of the 200-inch Telescope [looking back at a 1947 article Hubble wrote about it], 2007 Summer, p. 7.
Cunningham, C. Mercury’s Time to Shine [history of transits], 2006 Sep/Oct, p. 12.
James, C.R. Reading Between the Lines [some key episodes in the history of the spectroscopy of the stars], 2005 Jan/Feb, p. 12.
Simmons, M. Astronomy in Iran, 2003 Jan/Feb, p. 28.
Sheehan, W. The Tragic Case of T.J.J. See, 2002 Nov/Dec, p. 34.
Russell, J. Flattening the Earth [how medieval thinkers knew the Earth was round], 2002 Sep/Oct, p. 34.
Mentzer, R. Jupiter’s Moons and the Longitude Problem, 2002 May/Jun, p. 34.
Bahcall, J. How the Sun Shines [history and recent ideas about fusion and neutrinos], 2001 Sep/Oct, p. 30.
Edmondson, F. Daniel Kirkwood: Dean of American Astronomers, 2000 May/Jun, p. 27.
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Snedegar, K. Ikhwezi is the Morning Star [the astronomy of South African peoples], 1997 Nov/Dec, p. 12.
Yau, K. Comets Now and Then [on historical records of comets, especially from Asia], 1996 Nov/Dec, p. 22.
Williams, L. Maybe the Europeans Did See the Crab, 1995 Jan/Feb, p. 28.
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Tenn, J. David Gill: The 3rd Bruce Medalist, 1990 May/Jun, p. 84.
May/Jun, p. 88.
Bracher, K. The Stars for All: A Centennial History of the Astronomical Society of the
Pacific, 1989 Sep/Oct, p. 1. (takes up the entire issue)
May/Jun, p. 67.
Kronk, G. Meteor Showers, 1988 Nov/Dec, p. 162. (includes history of their discovery)
Parker, B. The Cosmic Cookbook: The Discovery of How the Elements Came to Be, 1988
Sep/Oct, p. 142.
Page, T. & Rood, H. Galaxies and Erik Holmberg: The Work of a Retiring Swedish
Osterbrock, D. Lick Observatory: The First Century, 1988 Mar/Apr, p. 34.
Evans, D. & Mulholland, J. Big and Bright: A Brief History of the McDonald Observatory, 1987 Jul/Aug, p. 98.
Gascoigne, S. Bart Bok at Mount Stromlo, 1984 Mar/Apr, p. 45.
Lada, C. Bart J. Bok: A Tribute to a Most Remarkable Astronomer, 1984 Mar/Apr, p.35.
Tombaugh, C. The Search for the Ninth Planet Pluto, 1979 Jan/Feb, p. 4.
Chriss, M. The Stars Move West: The Founding and First Decade of the Lick

Humor and Astronomy

Gingerich, O. & Terzian, Y. OBAFGKMRNS [Mnemonics for the Spectral Types], 1995,
Mar/Apr, p. 38.

Impacts

Semeniuk, I. Asteroid Impact: Sizing up the Hazard [has a number of sidebars by noted
experts on comet impacts, the K/T impact, etc], 2002 Nov/Dec, p. 24.
Semeniuk, I. Armageddon? Sorry...Just Armakiddin' [Asteroid 1997XF11, Near Earth
Dubcek, L. & Tatlow, R. Sci-Fi in the Classroom: Making a 'Deep Impact’ on Young
People's Interest in Science [on the portrayal of asteroid impacts in movies], 1998
Harris, A. Can We Defend Earth Against Impacts by Comets and Small Asteroids?, 1996
Nov/Dec, p. 12.
97.
Morrison, D. The Spaceguard Survey: Protecting the Earth from Cosmic Impacts, 1992
May/Jun, p. 103.
Chapman, C. & Morrison, D. Cosmic Impacts, Cosmic Catastrophes, part 2, 1990
Jan/Feb, p. 21.
Chapman, C. & Morrison, D. Cosmic Impacts, Cosmic Catastrophes, part 1, 1989
Nov/Dec, p. 185.
Ridpath, I. The Comet that Hit the Earth [the Tunguska Event], 1977 Sep/Oct., p. 2.

Infrared Astronomy

Aghanim, N., et al. The Other Science from Planck [besides cosmology], 2012 Winter,
p. 15. Observations in radio and infrared astronomy.
Thaller, M. SIRTF: NASA’s Next Great Observatory, 2002 May/Jun, p. 32.
Stephens, S. Flying Telescopes [on SOFIA and other airborne infrared telescopes], 2002 May/Jun, p. 23.

Interdisciplinary Topics in Astronomy

Larsen, K. There and Back Again in the Classroom and in Outreach: Astronomy and The Hobbit, 2012 Autumn, p. 15.
Pistalu, M. Astronomy Takes the Stand: Using the Heavens to Solve Crimes [Forensic Astronomy], 2006 Jan/Feb, p. 28.
Odekön, M. A Very Liquid Heaven [museum exhibit on astronomy and art], 2005 Sep/Oct, p. 32.
Impey, C. Truth and Beauty in Cosmology: Does the Universe have an Aesthetic [searching for order in the laws of the cosmos], 2004 Jan/Feb, p. 30.
Impey, C. Reacting to the Size and the Shape of the Universe [Astronomy and Poetry], 2001 Jan/Feb, p. 36; 2001 Mar/Apr, p. 34.
LoPresto, M. Dealing with Conflicts Between Religion and Science in Introductory Astronomy, 1999 Nov/Dec, p. 36.
Colonna, T. & Thomas, D. Be Careful Saving the World from Near-Earth Object: You May be Breaking the Law, 1999 Sep/Oct, p. 36.


Snedegar, K. Ikhwezi is the Morning Star [the astronomy of South African peoples], 1997 Nov/Dec, p. 12.


Epp, G. Things Bright and Creatures Small [on bird navigation by the stars], 1995 Nov/Dec, p. 28.


Krupp, E. Along the Milky Way [myths from many cultures], 1991 Nov/Dec, p. 162.


Goodman, A. The Diplomatic Implications of Discovering Extraterrestrial Intelligence, 1987 Mar/Apr, p. 56.


Ackerman, D. The (Astronomical) Poetry of Diane Ackerman, 1978 Jul/Aug, p. 73.


Reis, R. & Braun, A. Beyond Our Time: Interview with Artist Chesley Bonestell, 1977 May/Jun, p. 11.


Reis, I. Approaching the Universe through Art, 1974 Nov/Dec, p. 12.

**Interstellar Matter**

Levy, D. A Farewell to Galileo [the spacecraft], 2003 Nov/Dec, p. 16.


Colgan, S. The Cosmic Laser Light Show [on masers and lasers in space], 1997 Jul/Aug, p. 18.
Lupfer, C. Molecular Clouds and Molecules: Spices in the Cosmic Soup, 1991 Jul/Aug, p. 120.
Reipurth, B. Bok Globules, 1984 Mar/Apr, p. 50.

**Jupiter**

Millis, R. The Galilean Satellites, 1974 Jan/Feb, p. 3.

**Lab Activities (for Astronomy Classes)**

Light (Electro-magnetic Radiation) in Astronomy

Bova, B. Fingerprints from Rainbows [on spectra], 2004 Sep/Oct, p. 22.
Kaler, J. Lighting the Nebulae [how planetary nebulae glow with such nice colors], 2002 Jul/Aug, p. 17.

Light Pollution (and Radio Interference)

Walker, C. Dark Skies from the Ground Up: Before, During, and After GLOBE at Night, 2010 Autumn, p. 36.
Davis, R. Dark Night [on the work of the International Dark-Sky Association], 2009 Winter, p. 12.

Mars

Staedter, T. Digging Deeper [The InSight Mission to Mars], 2018 Spring, p. 31.


Sandford, S. Why You Can’t Have a Snowball Fight on Mars [water under different conditions], 1998 Jan/Feb, p. 19.

Lewenstein, B. Life on Mars and In Science [an analysis of the mistaken announcement of fossils in a Mars meteorite], 1997 Jan/Feb, p. 24.


Klein, H. & Reis R. Where are We in the Search for Life on Mars, 1977 Mar/Apr, p. 2.

**Mercury**


Cunningham, C. Mercury’s Time to Shine [transits], 2006 Sep/Oct, p. 12.


**Meteors and Meteorites**

Martel, L. Melted Crumbs from Asteroid Vesta [tiny meteorites], 2008 Winter, p. 20.


Tagliaferri, E. Observation of Meteoroid Impacts by Space-based Sensors, 1998
Nov/Dec, pp. 18.
Spratt, C. & Stephens, S. Against All Odds: Meteorites that Have Struck Home, 1992
Mar/Apr, p. 50.

**Moon**

Village Association, for international cooperation.]
Upgren, A. By the Light of the Moon [factors affecting Moon’s brightness], 2004
Nov/Dec, p. 28.
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