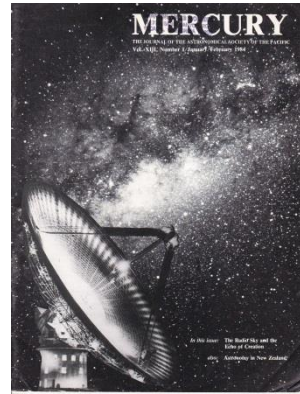


A Topical Index to the Main Articles in *Mercury Magazine* (1972 – 2019)

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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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- Hostetter, D. Sidewalk Astronomy: Bridge to the Universe, 2013 Winter, p. 18.
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Simmons, M. Sharing Astronomy with the World [on Astronomers without Borders], 2008 Spring, p. 14.
Williams, L. Inspiration, Frame by Frame: Astro-photographer Robert Gendler, 2004 Nov/Dec, p. 36.
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/June, p. 34.
Simmons, M. Astronomy in Iran, 2003 Jan/Feb, p. 28.
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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.
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Clark, G. & Jastrow, R. Dial a Galaxy: Remote Observing at Mt. Wilson Observatory, 1994 May/June, p. 25.
Mayer, B. Observational Astrology [Using Star-Frames to Get to Know the Constellations], 1987 Jul/Aug, p. 111.
Gunter, J. Asteroids and Amateur Astronomers, 1985 Jan/Feb, p. 9.
Bateson, G. Astronomy in New Zealand: Amateurs Take the Lead, 1984 Jan/Feb. p. 14.
Harrington, S. Selecting Your First Telescope, 1982 Jul/Aug, p. 107.
Fraknoi, A. Amateur Astronomy in the U.S.: A Survey, 1980 May/June, p. 79.
Adams, M. Observing Fallen Stars, 1980 Mar/Apr, p. 31.
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Maley, P. Grazing Occultations, 1977 Jan/February, p. 16.
Miller, F. Astronomy Day 1976, 1976 May/June, p. 28.

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Barnhart, E. Reconstructing the Heavens: Archaeoastronomy and the Ancient Maya World, 2004 Jan/February, p. 20.
Shilling, G. The Star-Pyramid Connection [how Egyptian pyramids were aligned], 2001 July/Aug., p. 28.
Snedegar, K. Ikhwezi is the Morning Star [the astronomy of South African peoples], 1997 Nov/December, p. 12.
Whitlock, G. Digging into Science: Archaeoastronomy in a Multicultural Science Curriculum, 1995 July/Aug., p. 32.
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Chapman, C. Ida's Moon, 1994 Mar/Apr, p. 22.
Krupp, E. Along the Milky Way [myths from many cultures], 1991 Nov/December, p. 162.
Rodriguez, L. Ancient Astronomy in Mexico and Central America, 1975 Jan/February, p. 24.

Asteroids

O'Neill, I. The Interstellar Visitor [Asteroid from Beyond the Solar System], Winter 2018, p. 43.
Blewett, D. New Views of Diverse Worlds (Moon, Mercury, Vesta), 2011 Autumn, p. 28.
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/December, p. 24.
Cunningham, C. Binary Asteroids, 2001 July/Aug., p. 12.
Cunningham, C. The First Asteroid, 2001 Jan/February, p. 13.
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Colonna, T. & Thomas, D. Be Careful Saving the World from Near-Earth Object: You May be Breaking the Law, 1999 Sep/Oct, p. 36.
Semeniuk, I. Armageddon? Sorry...Just Armakiddin' [Asteroid 1997XF11, Near Earth Objects, and Talking to the Public about the Hazards], 1998 Nov/December, p. 12.
Marsden, B. & Williams, G. The Keeper of the List [on the Minor Planets Center], 1996 Nov/December, p. 26.
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Cuntz, M. & Williams, P. Life without Carbon [on other chemical bases for life], 2006, May/Jun, p. 12.
Colonna, T. & Thomas, D. Following a New Path Along the Search for Life in the Solar System (looking for micro-organisms), 2000 May/Jun, p. 11.
Aguiar, J. A Biologist's View of Life Out There, 1999 Mar/Apr, p. 20.
McKay, C. Promethean Ice [could comets have brought the beginnings of life to Earth?], 1996 Nov/Dec, p. 15.
Lazio, T. & Cordes, J. Pulsars, Planets, and Genetics [on planets found around a pulsar and what it means for life in the universe], 1995 Mar/Apr, p. 23.
Hoyle, F. Astrochemistry, Organic Molecules, and the Origin of Life, Jan/Feb. 1978, p. 2.
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

Cunningham, C. Hevelius at 400, 2011 Autumn, p. 8.
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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.
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Sheehan, W. The Tragic Case of T.J.J. See, 2002 Nov/Dec, p. 34.
Osterbrock, D. Walter Baade: Master Observer, 2002 Jul/Aug, p. 32.
Best, J., et al. Copernicus's Neglected Successor [Thomas Digges], 2001 Sep/Oct, p. 38.
Osterbrock, D. Astronomer for All Seasons: Heber D. Curtis, 2001 May/Jun, p. 24.
Edmondson, F. Daniel Kirkwood: Dean of American Astronomers, 2000 May/Jun, p. 27.
Tenn, J. Alfred Fowler: The 29th Bruce Medalist, 1995 Sep/Oct, p. 36.
Tenn, J. Carl Charlier: The 28th Bruce Medalist, 1995 May/Jun, p. 40.
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.
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Tenn, J. Simon Newcomb: The First Bruce Medalist, 1990 Jan/Feb, p. 18.

Osterbrock, D., et al. Young Edwin Hubble, 1990 Jan/Feb, p. 2.

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Popper, D. & Pierce, D. George O. Abell: An Appreciation, 1984 Jul/Aug, p. 108.

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.

Welther, B. Annie Jump Cannon: Classifier of the Stars, 1984 Jan/Feb, p. 29.

Tenn, J. Arthur Stanley Eddington, 1982 Nov/Dec, p. 178.

Bracher, K. Dorothea Klumpke-Roberts: A Forgotten Astronomer, 1981 Sep/Oct, p.139.

Osterbrock, D. Edward S. Holden: The Founder of the ASP and the Early Days of the California/Wisconsin Connection, 1978 Sep/Oct 1978, p. 106.

Kaufmann, W. Interview with Kip Thorne (on the future of gravitational wave astronomy,) 1978 May/Jun, p. 58.

Reis, R. Interview with George Abell, 1976 Mar/Apr, p. 8.

Phillips, J. Rudolph Minkowski, 1976 Jan/Feb, p. 2.

Kaufmann, W. Interview with Stephen Hawking (about quantum black holes), 1975 Nov/Dec, p. 13.

Reis, R. Interview with Geoffrey and Margaret Burbidge, 1975 Jul/Aug, p. 11.

Reis, R. Interview with Carl Sagan, 1975 May/Jun, p. 26.

Reis, R. Interview with Harold Klein, 1975 Jan/Feb, p. 8

Reis, R. Interview with Halton (Chip) Arp, 1974 Nov/Dec, p. 6.

Owen, T. & Sagan, C. Gerard P. Kuiper, 1974 May/June, p. 17.
Abt, H. Alfred H. Joy, 1973 Sep/Oct, p. 9.
Greenstein, J. Ira S. Bowen, 1973 May/June, p. 3.
Wright, F. Harlow Shapley: A Tribute to a Great Man, 1973 Mar/Apr, p. 3.
Mayall, N. Milton Humason: Some Personal Recollections, 1973 Jan/Feb, p. 3.

Astronomy: General

Wiseman, J. Changing the Textbooks: Classic Early Achievements of the Hubble Space Telescope, 2015 Spring, p. 19-24.
Sembach, K. New Frontiers: Hubble's Unexpected Accomplishments, 2015 Spring, p. 25-30.
Aghanim, N., et al. The Other Science from Planck [besides cosmology], 2012 Winter, p. 15. Observations in radio and infrared astronomy.
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)
Avant, J. Time Domain Astronomy [on a long-term archive of astronomical photos], 2009 Winter, p. 24.
James, C. R. Seven Wonders [Phenomena in the Universe You Can Observe for Yourself], Autumn 2008, p. 24.
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/June, p. 34.
Trimble, V. 99 Things about the Last 100 Years of Astronomy, 1999 Nov/Dec, p. 36.
Yoon, T., et al. Astronomy in Blook [astronomy in Korea], 1999 May/June, p. 33.
Trimble, V. That Was the Year that Was: Astrophysics in 1997, 1998 Mar/Apr, p. 14.
Moreno-Corral, M. & Rodriguez, M. Astronomy in Mexico, 1995 Nov/Dec, p. 6.
Harrington, S. A Brief Glossary of Commonly Used Astronomical Terms, 1989 Jul/Aug, p. 121.
Field, G. The Future of Space Astronomy, 1984 Jul/Aug, p. 98.
Oliver, B. Radiation in the Solar System, 1984 Jan/Feb. p. 12.
Seielstadt, G. Cosmic Ecology: A View from the Outside In, 1978, Nov/Dec, p. 119.
Burbidge, M. & Field, G. The Space Telescope and the Future of Astronomy, 1976 Jul/Aug, p. 2.
Sagan, C. Experimental Astrophysics, 1975 Mar/Apr, p. 18.

Binary Stars

Sandberg Lacy, C. Why and How to Observe Binary Stars Tonight, 1999 Jan/Feb, p. 18.

- Kaitchuck, R. A Collaborative View of Eruptive Stars [interacting binaries], 1998 Sep/Oct, p. 18.
- Overbye, D. God's Turnstile: The Work of John Wheeler and Stephen Hawking" (excerpt from *Lonely Hearts of the Cosmos*), 1991 Jul/Aug, p. 98.
- Kaler, J. AG Draconis, 1982 May/Jun, p. 83.
- Stokes, G. & Michalsky, J. Cygnus X-1: Genus = X-Ray Binary, Species = Black Hole, 1979 May/June, p. 60.
- 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.
- Mangum, J. Inside the Event Horizon Telescope, 2018 Winter, p. 39.
- Garland, C. Peering into the Dark [how to observe black holes, large and small], 2004 Mar/Apr, p. 32.
- Livio, M. The Beauty of Black Holes [Entropy], 2000 Sep/Oct, p. 12.
- Balberg, S., et al. Unveiling Black Holes in a Supernova Cauldron, 1999 Nov/Dec, p. 8.
- Matloff, G. Wormholes and Hyperdrives, 1996 Jul/Aug, p. 10.
- McClintock, J. Stalking the Black Hole in the Star Garden of the Unicorn, 1987 Jul/Aug, p. 108.
- Hutchings, J., et al. LMC X-3: A Black Hole in a Neighbor Galaxy, 1984 Jul/Aug, p. 106.
- Kaufmann, W. Primordial Black Holes, 1980 Jan/Feb, p. 1. (Also 1976 May/Jun, p. 8.)
- Stokes, G. & Michalsky, J. Cygnus X-1: Genus = X-Ray Binary, Species = Black Hole, 1979 May/June, p. 60.
- Kaufmann, W. Interview with Stephen Hawking (about quantum black holes), 1975 Nov/Dec, p. 13.
- Kaufmann, W. Black Holes, Worm Holes, and White Holes, 1974 May/Jun, p. 26.

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.
- Bormanis, A. The Romance of Hyakutake and Hale-Bopp, 1997 Jul/Aug, p. 28.
- McKay, C. Promethean Ice [could comets have brought the beginnings of life to Earth?], 1996 Nov/Dec, p. 15.
- Hammel, H. Comets and the Public, 1996 Nov/Dec, p. 19.
- Yau, K. Comets Now and Then [on historical records of comets, especially from Asia], 1996 Nov/Dec, p. 22.
- Marsden, B. & Williams, G. The Keeper of the List [on the Minor Planets Center], 1996 Nov/Dec, p. 26.

- Levy, D. Comet Tales [about an amateur's comet observations], 1994 Jul/Aug, p. 6.
- Musser, G. The Big Hit [Shoemaker-Levy 9's impact on Jupiter], 1994 Jul/Aug, p. 13.
- Stephens, S. Modeling a Comet's Collision (Shoemaker-Levy 9), 1994 Mar/Apr, p. 6.
- Brandt, J. & Chapman, R. Rendezvous in Space: The Science of Comets, 1992 Nov/Dec, p. 178.
- Liller, W. A Halley Watch from Easter Island, 1987 Sep/Oct, p. 130. Observing the comet from the South Pacific.
- Morrison, D. The Vega Flyby and Halley's Comet: A First Person Account, 1986 Sep/Oct, p. 114.
- Osterbrock, D. Nicholas Bobrovnikoff and the Scientific Study of Comet Halley 1910, 1986 Mar/Apr, p. 46.
- Whipple, F. Flying Sandbanks Vs. Dirty Snowballs: The Nature of Comets, 1986 Jan/Feb, p. 2.
- Newburn, R. The International Halley Watch, 1985 Sep/Oct, p. 131.
- Littmann, M. & Yeomans, D. The Comet Hall of Fame, 1985 Sep/Oct, p. 137.
- Littmann, M. & Yeomans, D. Prospects for Viewing Halley's Comet in 1985-86, 2061, and 2134, 1985 Sep/Oct, p. 130.
- Wyckoff, S. & Wehinger, P. Comet Halley News, 1985 May/Jun, p. 74; Jul/Aug, p. 114. Sep/Oct, p. 148; 1986 Jan/Feb, p. 22, Mar/Apr, p. 51.
- Chapman, R. & Brandt, J. An Introduction to Comets and their Origin, 1985 Jan/Feb, p. 2.
- Neugebauer, M. The Comet Fleet, 1984 May/Jun, p. 66.
- Whipple, F. Flying Sandbanks Vs. Dirty Snowballs: The Nature of Comets, 1986 Jan/Feb, p. 2.
- Littmann, M. & Yeomans, D. The Comet Hall of Fame, 1985, Sep/Oct, p. 137.
- Van Flandern, T. Where Comets Come From, 1982 Nov/Dec, p. 189.
- Tatum, J. Halley's Comet in 1986, 1982 Jul/Aug, p. 126.
- Machholz, D. Comet Hunting [from an amateur astronomer perspective], 1979 May/Jun, p. 57.
- Brandt, J., et al. A New Comet Observatory on South Baldy, 1975 Mar/Apr, p. 12.

Cosmic Rays

- Friedlander, M. Cosmic Rays: A Thin Rain of Charged Particles, 1990 Sep/Oct, p. 130.
- Tucker, W. & K. The Origin of Cosmic Rays, 1982 Jan/Feb, p. 34.

Cosmology

- Naeye, R. The Mystery of Dark Energy, 2008 Winter, p. 14.
- 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.

Colless, M. The Great Cosmic Map [the 2dF Galaxy Redshift Survey], 2003 Mar/Apr, p. 30.

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"]

Filippenko, A. & Pasachoff, J. A Universe from Nothing, 2002 Mar/Apr, p. 15.

Kolatt, T. The Dance of the Galaxies: The Young Universe Ball, 2000 May/Jun, p. 19. [What did the universe look like in its infancy?]

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.

Heller, M. The Abuse of Cosmology [mixing in religious ideas], 1997 Nov/Dec, p. 19.

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.

Stephens, S. New Image of the Universe Soon After Creation: What the COBE Results Mean, 1992 May/Jun, p. 91.

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.)

Bartusiak, M. The Cosmic Burp: The Genesis of the Inflationary Universe Hypothesis, 1987 Mar/Apr, p. 34.

Tucker, W. & K. An Unconventional View of the Missing Mass Problem, 1984 Jul/Aug, p. 118.

Ferris, T. The Radio Sky and the Echo of Creation, 1984 Jan/Feb, p. 2.

Shu, F. The Expanding Universe and the Large-scale Geometry of Spacetime, 1983 Nov/Dec, p. 162.

Page, D. & McKee, R. The Future of the Universe, 1983 Jan/Feb, p. 17.

Davies, P. The Anthropic Principle and the Early Universe, 1981 May/Jun, p. 66.

Harrison, E. The Paradox of the Dark Night Sky, 1980 Jul/Aug, p. 83.

Lawrence, J. The Future History of the Universe, 1978 Nov/Dec, p. 132.

Abell, G. Cosmology: The Origin and Evolution of the Universe, 1978 May/Jun, p. 45.

Kaufmann, W. The Hoyle-Narlikar Cosmology. 1976, May/Jun, p. 2.

Gunn, J. Will the Universe Expand Forever?, 1975 Nov/Dec, p. 4.

Albers, D. The Meaning of Curved Space, 1975 Jul/Aug, p. 16.

Margon, B. The Missing Mass, 1975 Jan/Feb, p. 2.

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- Brown, A. The Hyades: So Close, and Now, So Familiar, 1998 May/Jun, p. 17.
- Ferris, T. A Plumb Line to the Sun: Finding the Scale of the Solar System, 1989 May/Jun, p. 67.
- Morrison, N. Measuring the Cosmos: The Extragalactic Distance Scale: A Report on the Symposium at the Victoria Meeting of the ASP, 1988 Nov/Dec, p. 171.
- McCarthy, P. Measuring Distances to Remote Galaxies and Quasars, 1988 Jan/Feb, p. 19.
- Buta, R. & McCall, M. Penetrating the Forest: The Distance to Maffei 1, 1984 Sep/Oct, p. 147.
- Upgren, A. New Parallaxes for Old: A Coming Improvement in the Distance Scale of the Universe, 1980 Nov/Dec, p. 143.
- Tenn, J. Cosmic Distances and QSO's, 1979 Jul/Aug, p. 67.

Earth

- Mann, M. The Hockey Stick and the Climate Wars, 2012 Autumn, p. 30.
- Kaltenegger, L. Searching for Earth's History among Earth-like Worlds, 2007 Winter, p. 20.
- 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.
- White, J. Nature's Hurricane Recipe, 2005 May/Jun, p. 28.
- 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.
- Joels, K. Remote Sensing: Satellite Analyses of Earth Resources, 1977 Jul/Aug, p. 13.

Eclipses

- Deans, P. An Eclipse Watcher's Guide to a Total Eclipse of the Sun, 2017 Summer, p. 30.
- Fienberg, R. Solar Eclipse Eye Safety: Facts and Fallacies, 2017 Spring, p. 28.
- 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.
- Duncan, D. Run an Eclipse Event for Friends, Neighbors, and Profit, 2015 Summer, p. 17-23.
- 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.
- Zirker, J. Testing Einstein's General Relativity During Eclipses, 1985 Jul/Aug, p. 98.
- Kundu, M. Observing the Sun During Eclipses, 1981 Jul/Aug, p. 108.

- Abell, G. An Astronomical Adventure at Sea: The Total Eclipse of 6/30/1973, 1973 Sep/Oct 1973, p. 12.
- Sykes, G. A Sonoran Adventure [1923 Eclipse Expedition], 1972 Jan/Feb, p. 12.

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.]
- Odekon, M., et al. Harvesting ALFALFA, 2015 Summer, p. 31-36. Neutral Hydrogen survey at Arecibo carried out by a consortium of liberal arts college faculty and students.
- Sokal, K. & Liss, S. The Dark Skies, Bright Kids Program, 2014 Summer, p. 24-31. On an outreach program at the University of Virginia to elementary schools.
- Fraknoi, A., et al. Project ASTRO: 20 Years and Thriving, 2014 Spring, p. 18-38. 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 Science, 2012 Autumn, p. 24.
- 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.
- Whitehouse, M. Teaching with Astronomically Inspired Music, 2012 Spring, p. 22.
- Birriel, J. Teaching Astrobiology without a Textbook, 2011 Winter, p. 8.
- 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.
- Duncan, D. Tips for Successful Clicker Use, 2011 Autumn, p. 14.
- 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 101 Instructors], 2010 Spring, p. 14.
- Forbes, D. So You Want to Be a Professional Astronomer?, 2008 Spring, p. 24.
- 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 Mainstream*, 2007 Summer, p. 24.
- 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.
- Rosendhal, J. Creating NASA's Space Science Education and Public Outreach Program: The Real Stuff, 2006 Nov/Dec, p. 20.
- Gibbs, M. Taking Steps to Make A Difference [Project ASTRO], 2006 Sep/Oct, p. 26.
- Jackson, E. & Rand, L. A Space for Climbing and Teaching [Pipehenge], 2006 May/Jun, p. 32.
- Schatz D. Making Model Comets [in the classroom]: Has it Really Been 20 Years?, 2005 Nov/Dec, p. 16.
- Fraknoi, A. Steps and Missteps Toward an Emerging Profession [astronomy education and outreach], 2005 Sep/Oct, p. 19.
- DeVries, D. Teaching Across Cultures [physical science in Botswana], 2005 Jul/Aug, p. 12.
- Larrea, E. Einstein Goes to School [teaching relativity in and out of school on the Canary Islands], 2005 Jul/Aug, p. 26.
- Stassun, K. Building Bridges to Diversity [increasing the number of minority astronomers], 2005 May/Jun, p. 20.
- Michaud, P. Family (Ohana) ASTRO [in Hawaii], 2005 May/Jun, p. 9.
- Lockwood, J., et al. Learning to Own the Sky [summer research programs for school teachers], 2005 Mar/Apr, p. 26.
- Pratap, P. & Needles, M. Exploring Invisible Skies [student programs at Haystack Observatory], 2004 Nov/Dec, p. 12.
- Brown, J. Radio Astronomy on the Cheap [the Radio JOVE program for schools], 2004 May/Jun, p. 12.
- Deustua, S. Creating a Digital Repository [for astronomy education materials; compadre], 2004 Mar/Apr, p. 19.
- Knacke, R., et al. Building a School Observatory, 2003 Nov/Dec, p. 35.
- Mayo, L. Running an After-school Astronomy Club, 2002 Nov/Dec, p. 14.
- Mihos, C. & Bothun, G. Cosmos on a Computer [simulations/applets for beginners], 2001 Jul/Aug, p. 23.
- 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.
- Bennett, J. Strategies for Teaching Astronomy, 1999 Nov/Dec, p. 24.
- Montemayor, V. The Play's the Thing: Some Thoughts on Introductory Physics Teaching, 1999 Sep/Oct, p. 24.
- Hunter, D., et al. An Astronomy Outreach Program for Navajo and Hopi Schools, 1999 May/Jun, p. 18.
- Duncan, D. What to do in a Big Lecture Class, Besides Lecture, 1999 Jan/Feb, p. 14.
- Bisard, W. & Zeilik, M. Conceptually Centered Astronomy with Actively Engaged Students, 1998 Jul/Aug, p. 16.
- Teare, S. The Telescopes in Education Program at Mt. Wilson Observatory, 1998 May/Jun, p. 22.

- Statler, T. Throw the Book at 'Em [on issues with astronomy textbooks], 1997 Sep/Oct, p. 16.
- Webster, Z. Reforming Graduate Education, 1997 Sep/Oct, p. 19.
- Larsen, K. That Personal Touch [do scientists going into the classroom one time do any good?], 1997 May/Jun, p. 19.
- Waterhouse, E., et al. The Children of the Blue Marble, 1997 Mar/Apr, p. 10. Lead article in an issue devoted to young people and astronomy.
- Caton, D. A Blindman's Buff through Astronomy [on using media reports in astronomy classes], 1996 Nov/Dec, p. 29.
- Seeds, M. Teaching the Real Message of Astronomy [not just factoids, but concepts], 1996 Sep/Oct, p. 21.
- Gutierrez, P. Science in the Bilingual Classroom, 1996 Jul/Aug, 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.
- Eastlick, P. Astronomy at the Crossroads [teacher workshop on Pohnpei], 1995 Sep/Oct, p. 16.
- Whitlock, G. Digging into Science: Archaeoastronomy in a Multicultural Science Curriculum, 1995 Jul/Aug, p. 32.
- Edgett, K. Mars by way of the School House [Arizona State U. project to bring Mars research into schools], 1995 Jul/Aug, p. 28.
- Pompea, S. & Blurton, C. A Walk through *Astronomy Village* [an astronomy software package], 1995 Jan/Feb, p. 32.
- Bachmann, K. & Boyce, P. Should We Limit the Number of Astronomy Students?, 1994 Sep/Oct, p. 8.
- Richter, J. & Fraknoi, A. Matches Made in the Heavens: The ASP's Project ASTRO, 1994 Sep/Oct, p. 24.
- Coyle, H. Education at the Center for Astrophysics, 1994 Jul/Aug, p. 29.
- Coyle, H. The Universe in the Student's Mind [Misconceptions], 1994 May/Jun, p. 28.
- Dahlman, L. Exploring the Unseen Universe: Image Processing in Astronomy Education, 1994 Mar/Apr, p. 24.
- Lockwood, J. Creating Gender Friendly Astronomy Classrooms, 1994 Jan/Feb, p. 25.
- Hooper, E. & McCarthy, D. Astronomy Camp: Adventures in Scientific Research, 1993 Nov/Dec, p. 24.
- Sampson, G. Bringing the Cosmos to the People: Planetarium Education in the 1990's, 1993 Sep/Oct, p. 26.
- Papagiannis, M. The Priscilla and Bart Bok Awards [for h.s. astronomy projects], 1993 Jul/Aug, p. 116.
- Lockwood, J. Latching on to the Whirlwind: The Changing Face of Astronomy Education, 1993 Mar/Apr, p. 56.
- Mayer, B. Observational Astrology [Using Star-Frames to Get to Know the Constellations], 1987 Jul/Aug, p. 111.
- Fraknoi, A. The Educational Activities of the ASP, 1981 Mar/Apr, p. 52.
- Annett, C. The Planetarium: A Sky for all Seasons, 1979 Nov/Dec, p. 136.

Berendzen, R. On Revitalizing Astronomy Education, 1972 May/Jun, p. 2.
See also: Lab Activities

Exoplanets

- Francis, M. 20,000 Alien Worlds Await [about TESS], 2018 Spring, p. 36.
- Brennan, P. Earth-Sized Planets: The Newest, Weirdest Generation, 2017 Spring, p. 17.
- Martindale, D. Begging for Planets, HAT in Hand, 2015 Winter, p. 19-26. Finding exoplanets with a network of small telescopes.
- Marcy, G. Finding Habitable Worlds Around Other Stars, 2014 Autumn, p. 28-35. Nice overview of the field.
- Jayawardene, B., et al. Planet Hunting Transit Style, 2007 Spring, p. 26.
- Kaltenegger, L. Searching for Earth's History among Earth-like Worlds, 2007 Winter, p. 20.
- Durisen, R. Rings of Creation [on proto-planetary nebulae], 2005 May/Jun, p. 12.
- Rice, K. & Armitage, P. Planet Building on the Grandest Scales [theories about formation of exoplanet systems], 2004 Mar/Apr, p. 24.
- Basri, G. What is a Planet? [need a definition], 2003 Nov/Dec, p. 27.
- Weintraub, D. How do Planets Form?, 2000 Nov/Dec, p. 10.
- Fischer, D. Prowling for Planets [early discovery of exoplanets], 2000 Jul/Aug, p. 13.
- 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.
- Lazio, T. & Cordes, J. Pulsars, Planets, and Genetics [on planets found around a pulsar and what it means for life in the universe], 1995 Mar/Apr, p. 23.
- 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.)
- Field, G. Are There More Than Nine Planets in the Universe, 1982 Mar/Apr, p. 42.
- Black, D. The Detection of Other Planetary Systems, 1980 Sep/Oct, p. 105.
- Harrington, R & B. Can We Find a Place to Live near a Multiple Star, 1978 Mar/Apr, p. 34.
- Herbig, G. A Universe Teeming with Planetary Systems: Perhaps, 1976 Mar/Apr, p. 2.

Galaxies

- Wimberly, K. Tiny Galaxies Predict Milky Way's Doom [on ultrafaint dwarf galaxies], 2018 Winter, p. 11.
- Quirk, T. Galaxies outside the Atlas, 2011 Winter, p. 14.
- Hunter, D., et al. Big Clusters, Tiny Galaxies [on large star clusters in dwarf galaxies], 2003 May/Jun, p. 34.
- Colless, M. The Great Cosmic Map [the 2dF Galaxy Redshift Survey], 2003 Mar/Apr, p. 30.

Frieman, J. & SubbaRao, M. Charting the Heavens [on the Sloan Digital Sky Survey], 2003 Mar/Apr, p. 13.

Liu, C. When Galaxies Collide, 2001 Jul/Aug, p. 13.

Kolatt, T. The Dance of the Galaxies: The Young Universe Ball, 2000 May/Jun, p. 19.
[What did the universe look like in its infancy?]

Nath, B. Lurking Between the Galaxies [ordinary intergalactic matter], 1999 May/Jun, p. 24.

Burton, B., et al. Cepheus 1: A Large Galaxy Discovered in our Cosmic Backyard, 1999 May/Jun, p. 16.

Conselice, C. A Fresh Look at Galaxy Clusters, 1999 May/Jun p. 10.

Gregory, S. Digging for Clues to Galaxy Formation in Large-Scale Structures, 1998 Mar/Apr, p. 25.

Goldader, D. Barred Galaxies, 1998 Jan/Feb, p. 17.

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.

Price, J. & Caldwell, K. Galaxies that Go Bump in the Night [galaxy collisions], 1995 Jul/Aug, p. 23.

Shields, J. The Case of the Disappearing Gas [on cooling flows in galaxy cluster formation], 1995 Jul/Aug, p. 17.

Trimble, V. & Musser, G. Clusters, Lensing, and the Future of the Universe, 1995 May/Jun, p. 6.

Lucas, R. Polar Ring Galaxies: Interactions and Mergers Frozen in Time, 1993 Sep/Oct, p. 6.

Hodge, P. The Andromeda Galaxy, 1993 Jul/Aug, p. 99.

Rubin, V. NGC4550: A Two-Way Galaxy, 1993 Jul/Aug, p. 109.

Keel, W. The Real Astrophysical Zoo: Colliding Galaxies, 1993 Mar/Apr, p. 44.

Oort, J. Exploring the Nuclei of Galaxies (Including our Own), 1992 Mar/Apr, p. 57.

Page, T. & Rood, H. Galaxies and Erik Holmberg: The Work of a Retiring Swedish Astronomer, 1988 Sep/Oct, p. 152.

McCarthy, P. Measuring Distances to Remote Galaxies and Quasars, 1988 Jan/Feb, p. 19.

Brosch, N. Hoag's Object: The Celestial Donut [Galaxy], 1987 Nov/Dec, p. 174.

Hodge, P. The Local Group: Our Galactic Neighborhood, 1987 Jan/Feb, p. 2.

Downes, A. Radio Galaxies, 1986 Mar/Apr, p. 34.

Campbell, B., et al. A Supernova Explosion in a Galaxy Containing a Quasar, 1985 Nov/Dec, p. 184.

Hunter, D. & Wolff, S. Star Formation in Irregular Galaxies, 1985 May/Jun, p. 76.

Mathewson, D. The Mini Magellanic Cloud, 1984 Mar/Apr, p. 57.

Lea, S. M87, 1983 Jan/Feb, p. 25.

Struble, M. & Rood, H. Binary-Galaxy Rich Clusters of Galaxies, 1983 Jul/Aug. p. 105.

Heidmann, J. Clumpy Irregular Galaxies: An Astronomical Adventure, 1982 Nov/Dec, p. 170.

Tucker, W. & K. A Question of Galaxies, 1982 Sep/Oct, p. 151.
 Hodge, P. M31: The Andromeda Galaxy, 1982 Jul/Aug, p. 118.
 Field, G. The Hidden Mass in Galaxies, 1982 May/Jun, p. 74.
 Thompson, L. A2670: The Nearest Richness Class 3 Cluster of Galaxies, 1981 Jul/Aug, p. 122.
 Rubin, V. UGC2885, the Largest Known Spiral Galaxy, 1980 May/Jun, p. 78.
 Hausman, M. Galactic Cannibalism, 1979, Nov/Dec, p. 119.
 Bok, B. Magellan's Clouds, 1979 Nov/Dec, p. 125.
 Larson, R. The Formation of Galaxies, 1979 May/Jun, p. 53.
 Kaufmann, W. Exploding Galaxies and Supermassive Black Holes, 1978 Sep/Oct, p. 97.
 Seeley, D. & Berendzen, R. Astronomy's Great Debate: The Shapley-Curtis Debate, 1978 Jul/Aug, p. 67.
 Goldsmith, D. Exploding Galaxies, 1977, Jan/Feb, p. 2.
 Margon, B. The Missing Mass, 1975 Jan/Feb, p. 2.

Galaxy (The Milky Way)

Forbes, D., et al. Globular Clusters and Satellite Galaxies: Companions to the Milky Way, 2009 Spring, p. 24.
 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.
 Oort, J. Exploring the Nuclei of Galaxies (Including our Own), 1992 Mar/Apr, p. 57.
 Krupp, E. Along the Milky Way [myths and stories], 1991 Nov/Dec, p. 162.
 Kaufmann, W. Our Galaxy (part 2), 1989 Jul/Aug, p. 117.
 Kaufmann, W. Our Galaxy (part 1), 1989 May/Jun, p. 79.
 Tucker, W. & K. Dark Matter in Our Galaxy: Part 2: A Massive Halo, 1989 Mar/Apr, p. 51.
 Tucker, W. & K. Dark Matter in Our Galaxy: Part 1, 1989 Jan/Feb, p. 2.
 Twarog, B. Chemical Evolution of the Galaxy, 1985 Jul/Aug, p. 107.
 Hertz, P. X-ray Sources in Globular Clusters and the Plane of the Milky Way, 1985 Mar/Apr, p. 42.
 Kerr, F. Bart Bok and the Milky Way: Some Recollections, 1984 Mar/Apr, p. 41.
 Bok, B. Our Bigger and Better Galaxy, 1981 Sep/Oct, p. 130.
 Wynn-Williams, G. The Center of our Galaxy, 1979 Sep/Oct, p. 97.
 Seeley, D. & Berendzen, R. Astronomy's Great Debate: The Shapley-Curtis Debate, 1978 Jul/Aug, p. 67.
 Weaver, H. Steps Toward Understanding the Large-scale Structure of the Milky Way, 1975 Sep/Oct, p. 18; 1975 Nov/Dec, p. 18; 1976 Jan/Feb, p. 19.

Gamma-ray Astronomy

Cano, Z. Gamma Ray Bursts: Piecing Together a Cosmic Puzzle, 2010 Spring, p. 25.
Naeye, R. & Thompson, D. GLAST: Exploring the Extreme Universe, 2008 Spring, p. 20.
Reichart, D. The Gamma-Ray Burst Supernova Connection, 2003 Sep/Oct, p. 15.
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.
Neal, V., et al. Gamma-Ray Observatory: The Next Great Observatory in Space, 1990
Jul/Aug, p. 98.
Weekes, T. Gamma Rays: The Last Frontier, 1981 May/June, p. 78.

Gravitational Lenses

Trimble, V. & Musser, G. Clusters, Lensing, and the Future of the Universe, 1995
May/June, p. 6.
Lawrence, J. Gravitational Lenses and the Double Quasar, 1980 May/June, 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.
Libbrecht, K. LIGO: Hearing the Gravitational Wave Universe, 2001 Sep/Oct, p. 24.
Goldsmith, D. The Wave of the Future: Searching for Gravity Waves, 1991 Mar/Apr, p.
40.
Will, C. The Binary Pulsar: Gravitational Waves Exist, 1987 Nov/Dec, p. 162.
Kaufmann, W. Interview with Kip Thorne (on the future of gravitational wave
astronomy,) 1978 May/June, p. 58.
Boughn, S. & Park, H. The Search for Gravitational Radiation, 1976 May/June, p. 9.

History of Astronomy

Case, S. Divine Animals: Plato, Aristotle, and the Stars, 2013 Summer, p. 29.
Cunningham, C. Hevelius at 400, 2011 Autumn, p. 8.
White, R. Chandrasekhar: The Most Distinguished Astrophysicist of His Time, 2011
Spring, p. 12.
Easwar, N. Chandra: The Man Behind the Science [on his life and family], 2011 Spring,
p. 18.
Stengler, E. Kepler and Galileo: Messengers from the Stars, 2011 Winter, p. 19.
Bartusiak, M. The Day We Found the Universe, 2010 Summer, p. 14. On Hubble's work.
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.
Mentzer, R. Running the Line: The Astronomy of Mason & Dixon, 2006 Nov/Dec, p. 30.
Cunningham, C. Mercury's Time to Shine [history of transits], 2006 Sep/Oct, p. 12.

Kanas, N. Astronomer General of Early America: O.M. Mitchel, 2005 Nov/Dec, p. 23.

Heck, A. Strasbourg Observatory: A Multinational History, 2005 Jul/Aug, p. 32.

Kanas, N. Volvelles: Early Paper Astronomical Computers, 2005 Mar/Apr, p. 33.

James, C.R. Reading Between the Lines [some key episodes in the history of the spectroscopy of the stars], 2005 Jan/Feb, p. 12.

Cunningham, C. Cliff's Top Ten: Ten Milestones in the History of Astronomy, 2005 Jan/Feb, p. 10.

Addis, C. Goddess of Love & the Hand of God [1769 transit of Venus], 2004 May/June, p. 26.

Barnhart, E. Reconstructing the Heavens: Archaeoastronomy and the Ancient Maya World, 2004 Jan/Feb, p. 20.

Sheehan, W. Mars Fever [history of Mars oppositions], 2003 Jul/Aug, p. 30.

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.

Osterbrock, D. Walter Baade: Master Observer, 2002 Jul/Aug, p. 32.

Mentzer, R. Jupiter's Moons and the Longitude Problem, 2002 May/June, p. 34.

Levy, D. Beyond Equations: The Night Sky, Spirituality, and Masada, 2002 Mar/Apr, p. 24.

Bahcall, J. How the Sun Shines [history and recent ideas about fusion and neutrinos], 2001 Sep/Oct, p. 30.

Best, J., et al. Copernicus's Neglected Successor [Thomas Digges], 2001 Sep/Oct, p. 38.

Osterbrock, D. Astronomer for All Seasons: Heber D. Curtis, 2001 May/June, p. 24.

Sheehan, W. The Historic Hunt for Moons, 2001 Mar/Apr, p. 23.

Cunningham, C. The First Asteroid, 2001 Jan/Feb, p. 13.

Hockey, T. Recognizing Jupiter's Great Red Spot, 2000 Sep/Oct, p. 18.

Dickel, J., et al. What is 29 Doradus? [Bode's Catalog], 2000 Sep/Oct, p. 38.

Edmondson, F. Daniel Kirkwood: Dean of American Astronomers, 2000 May/June, p. 27.

Trimble, V. 99 Things about the Last 100 Years of Astronomy, 1999 Nov/Dec, p. 36.

Nicholson, D. & Teare, S. Life on the Mountain [Mt. Wilson reminiscences by the son of Seth Nicholson], 1999 Jan/Feb, p. 22.

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.

Tenn, J. Alfred Fowler: The 29th Bruce Medalist, 1995 Sep/Oct, p. 36.

Ahmad, I. The Science of Knowing God: Astronomy in the Golden Age of Islam, 1995 Mar/Apr, p. 28.

Aveni, A. Emissaries to the Stars: The Astronomers of the Ancient Maya, 1995 Jan/Feb, p. 15.

Williams, L. Maybe the Europeans Did See the Crab, 1995 Jan/Feb, p. 28.

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. Max Wolf: The 25th Bruce Medalist, 1994 Jul/Aug, p. 27.

Tenn, J. Frank Schlesinger: The 24th Bruce Medalist, 1994 May/Jun, p. 26.

Tenn, J. Walter Adams: The 23rd Bruce Medalist, 1994 Mar/Apr, p. 20.

Tenn, J. Herbert Turner: The 22nd Bruce Medalist, 1994 Jan/Feb, p. 16.

Tenn, J. Robert Aitken: The 21st Bruce Medalist, 1993 Nov/Dec, p. 20.

Tenn, J. Henry Norris Russell: The 20th Bruce Medalist, 1993 Sep/Oct, p. 19.

Tenn, J. Arthur Eddington: The 19th Bruce Medalist, 1993 Jul/Aug, p. 119.

Tenn, J. Benjamin Baillaud: The 18th Bruce Medalist, 1993 May/Jun, p. 86.

Tenn, J. Frank Dyson: The 17th Bruce Medalist, 1993 Mar/Apr, p. 48.

Tenn, J. Henri Deslandres: The 16th Bruce Medalist, 1993 Jan/Feb, p. 18.

Tenn, J. Ernest Brown: The 15th Bruce Medalist, 1992 Nov/Dec, p. 194.

Tenn, J. Edward Barnard: The 14th Bruce Medalist, 1992 Sep/Oct, p. 164.

Tenn, J. George Hale: The 13th Bruce Medalist, 1992 May/Jun, p. 94.

Tenn, J. Wallace Campbell: The 12th Bruce Medalist, 1992 Mar/Apr, p. 62.

Tenn, J. Oskar Backlund: The 11th Bruce Medalist, 1991 Nov/Dec, p. 175.

Tenn, J. Jacobus Kapteyn: The 10th Bruce Medalist, 1991 Sep/Oct, p. 145.

Tenn, J. Henri Poincare: The 9th Bruce Medalist, 1991 Jul/Aug, p. 111.

Tenn, J. George Hill: The 8th Bruce Medalist, 1991, Mar/Apr, p. 52.

Friedman, H. Discovering the Invisible Universe, 1991 Jan/Feb, p. 2. A long article on the development of radio, infrared, and x-ray instruments.

Tenn, J. Edward Pickering: The 7th Bruce Medalist, 1991 Jan/Feb, p. 26.

Tenn, J. Hermann Vogel: The 6th Bruce Medalist, 1990 Nov/Dec, p. 172.

Ridpath, I. The Origin of Our Constellations, 1990 Nov/Dec, p. 163.

Tenn, J. William Huggins: The 5th Bruce Medalist, 1990 Sep/Oct, p. 148.

Friedlander, M. Cosmic Rays: A Thin Rain of Charged Particles, 1990 Sep/Oct, p. 130.

Tenn, J. Giovanni Schiaparelli: The 4th Bruce Medalist, 1990 Jul/Aug 1990, p. 117.

Tenn, J. David Gill: The 3rd Bruce Medalist, 1990 May/Jun, p. 84.

Kopal, Z. Eclipsing Binary Stars: The Story of Algol and its Celestial Relations, 1990 May/Jun, p. 88.

Tenn, J. Arthur Auwers: The 2nd Bruce Medalist, 1990 Mar/Apr, p. 48.

Tenn, J. Simon Newcomb: The First Bruce Medalist, 1990 Jan/Feb, p. 18.

Osterbrock, D., et al. Young Edwin Hubble, 1990 Jan/Feb, p. 2.

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)

Moore, P. The Discovery of Neptune, 1989 Jul/Aug, p. 98.

Ferris, T. A Plumb Line to the Sun: Finding the Scale of the Solar System, 1989 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 Astronomer, 1988 Sep/Oct, p. 152.

Osterbrock, D. Lick Observatory: The First Century, 1988 Mar/Apr, p. 34.

Preston, R. Beacons in Time: Maarten Schmidt and the Discovery of Quasars, 1988 Jan/Feb, p. 2.

Will, C. The Binary Pulsar: Gravitational Waves Exist, 1987 Nov/Dec, p. 162. (Includes the history of discovering pulsars, and the binary pulsar.)

Evans, D. & Mulholland, J. Big and Bright: A Brief History of the McDonald Observatory, 1987 Jul/Aug, p. 98.

Bartusiak, M. The Cosmic Burp: The Genesis of the Inflationary Universe Hypothesis, 1987 Mar/Apr, p. 34.

Tenn, J. A Brief History of the Bruce Medal, 1986 Jul/Aug, p. 103.

Osterbrock, D. Nicholas Bobrovnikoff and the Scientific Study of Comet Halley 1910, 1986 Mar/Apr, p. 46.

Whipple, F. Flying Sandbanks Vs. Dirty Snowballs: The Nature of Comets, 1986 Jan/Feb, p. 2.

Schauberg, D. & Osterbrock, D. Preserving Astronomical Papers, 1986 Jan/Feb, p. 19.

Tucker, W. & Giacconi, R. The Birth of X-ray Astronomy, 1985 Nov/Dec, p. 178; 1986 Jan/Feb, p. 13.

Wolff, S. The Search for Aperture: A Selective History of the Telescope, 1985 Sep/Oct, p. 139.

Osterbrock, D. The 1910 Meeting of the International Union for Cooperation in Solar Research (precursor of the IAU), 1985 Sep/Oct, p. 152.

Osterbrock, D. The Nature of Saturn's Rings: James Keeler and the Doppler Principle, 1985 Mar/Apr, p. 46.

Popper, D. & Pierce, D. George O. Abell: An Appreciation, 1984 Jul/Aug, p. 108.

Kerr, F. Bart Bok and the Milky Way: Some Recollections, 1984 Mar/Apr, p. 41.

Welther, B. Annie Jump Cannon: Classifier of the Stars, 1984 Jan/Feb, p. 29.

Littmann, M. & Yeomans, D. Edmond Halley: The Man, 1985 Sep/Oct, p. 135.

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.

Tenn, J. Arthur Stanley Eddington, 1982 Nov/Dec, p. 178.

Bracher, K. Dorothea Klumpke-Roberts: A Forgotten Astronomer, 1981 Sep/Oct, p.139.

Osterbrock, D. Graduate Astronomy Education in the Early Days of the Lick Observatory, 1980 Nov/Dec, p. 151.

Mitton, S. Sir David Gill and the Measurement of the Astronomical Unit, 1980 Sep/Oct, p. 124.

Moore, P. Mars Then and Now, 1980 Mar/Apr, p. 23.

Tombaugh, C. The Search for the Ninth Planet Pluto, 1979 Jan/Feb, p. 4.

Osterbrock, D. Edward S. Holden: The Founder of the ASP and the Early Days of the California/Wisconsin Connection, 1978 Sep/Oct 1978, p. 106.

Seeley, D. & Berendzen, R. Astronomy's Great Debate: The Shapley-Curtis Debate, 1978 Jul/Aug, p. 67.

Phillips, J. Rudolph Minkowski, 1976 Jan/Feb, p. 2.

Weaver, H. Steps Toward Understanding the Large-scale Structure of the Milky Way, 1975 Sep/Oct, p. 18; 1975 Nov/Dec, p. 18; 1976 Jan/Feb, p. 19.

Rodriquez, L. Ancient Astronomy in Mexico and Central America, 1975 Jan/Feb, p. 24.

Owen, T. & Sagan, C. Gerard P. Kuiper, 1974 May/June, p. 17.
Abt, H. Alfred H. Joy, 1973 Sep/Oct, p. 9.
Chriss, M. The Stars Move West: The Founding and First Decade of the Lick
Observatory, 1973 Jul/Aug, p. 10; 1973 Sep/Oct, p. 3.
Greenstein, J. Ira S. Bowen, 1973 May/June, p. 3.
Wright, F. Harlow Shapley: A Tribute to a Great Man, 1973 Mar/Apr, p. 3.
Mayall, N. Milton Humason: Some Personal Recollections, 1973 Jan/Feb, p. 3.
Sykes, G. A Sonoran Adventure [1923 Eclipse Expedition], 1972 Jan/Feb, p. 12.

Humor and Astronomy

Musser, G. & Schulkin, B. The Mercury Index, Sep/Oct 1997, p. 35.
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
Objects, and Talking to the Public about the Hazards], 1998 Nov/Dec, p. 12.
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
Nov/Dec, p. 24.
Harris, A. Can We Defend Earth Against Impacts by Comets and Small Asteroids?, 1996
Nov/Dec, p. 12.
Musser, G. The Big Hit [Shoemaker-Levy 9's impact on Jupiter], 1994 Jul/Aug, p. 13.
Stephens, S. Modeling a Comet's Collision (Shoemaker-Levy 9), 1994 Mar/Apr, p. 6.
Smith, F. A Collision over Collisions: A Tale of Astronomy and Politics, 1992 May/June, p.
97.
Morrison, D. The Spaceguard Survey: Protecting the Earth from Cosmic Impacts, 1992
May/June, p. 103.
Canavan, G. & Solem, J. Interception of Near-Earth Objects, 1992 May/June, p. 107.
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.

- Veronico, N. NASA's New Airborne Observatory Sees First Light [SOFIA], 2010 Summer, p. 24.
- Van Dyk, S. The Ultimate Infrared Sky Survey [2MASS], 2003 Mar/Apr, p. 23.
- Thaller, M. SIRTf: NASA's Next Great Observatory, 2002 May/June, p. 32.
- Stephens, S. Flying Telescopes [on SOFIA and other airborne infrared telescopes], 2002 May/June, p. 23.
- Friedman, H. Discovering the Invisible Universe, 1991 Jan/Feb, p. 2. A long article on the development of radio, infrared, and x-ray instruments.
- Allen, D. New Infrared Views of the Solar System from the AAO, 1984 May/June, p. 80.
- Caroff, L. Airborne Infrared Astronomy, 1975 Jul/Aug, p. 2.

Interdisciplinary Topics in Astronomy

- Warmflash, D. Apollo's Biomedical Lessons, 2019 Spring, p. 39.
- Larsen, K. There and Back Again in the Classroom and in Outreach: Astronomy and *The Hobbit*, 2012 Autumn, p. 15.
- Whitehouse, M. Teaching with Astronomically Inspired Music, 2012 Spring, p. 22.
- Lochner, J. NASA and the Arts, 2012 Spring, p. 13.
- Cobb, B. Dance as Astronomy Outreach, 2010 Winter, p. 13.
- Cook, L. Is Space Art Dead?, 2009 Spring, p. 16; 2009 Summer, p. 24.
- Sheehan, W. A Meeting of Giants [Galileo and Milton], 2008 Autumn, p. 12.
- James, C.R. The Real Stars of Harry Potter, 2007 Autumn, p. 20.
- Spitz, A. Visiting the Moon Lady: A Celebration of Children and Culture [at the Mid-Autumn Chinese Moon Festival], 2006 Jul/Aug, p. 24.
- Pistalu, M. Astronomy Takes the Stand: Using the Heavens to Solve Crimes [Forensic Astronomy], 2006 Jan/Feb, p. 28.
- Odekon, 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.
- Miller, R. Welcome to the 21st Century, Arthur C. Clarke [biography of the futurist and science fiction writer], 2000 Jul/Aug, p. 18.
- 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.
- 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 Nov/Dec, p. 24.
- Hardy, D. Artists in Space [artists who portray astronomical subjects], 1998 Sep/Oct, p. 22.

- Miller, R. Reflections on the 100-Year Anniversary of the *War of the Worlds*: A Frontier and Literary History of Mars, 1998 May/June, p. 12.
- Avalos, H. Heavenly Conflicts: The Bible and Astronomy, 1998 Mar/Apr, p. 22.
- Snedegar, K. Ikhwezi is the Morning Star [the astronomy of South African peoples], 1997 Nov/Dec, p. 12.
- Heller, M. The Abuse of Cosmology [mixing in religious ideas], 1997 Nov/Dec, p. 19.
- Usher, P. Shakespeare's Cosmic World View, 1997 Jan/Feb, p. 20.
- Batten, A. Does Mind Matter? [religion and astronomy], 1996 Sep/Oct, p. 10.
- Epp, G. Things Bright and Creatures Small [on bird navigation by the stars], 1995 Nov/Dec, p. 28.
- Keel, W. A Non-dialogue on the Two Great World Systems [science & religion], 1995 Nov/Dec, p. 12.
- Chambliss, C. Bullion and Billion: Astronomical Images on Old Coins, 1995 Jan/Feb, p. 23.
- Schaefer, B. The Astronomical Sherlock Holmes, 1993 Jan/Feb, p. 9.
- Slavsky, D. The Astrophysics of Baseball: How the Game is Played on Earth and Other Planets, 1992 Sep/Oct, p. 161.
- Krupp, E. Along the Milky Way [myths from many cultures], 1991 Nov/Dec, p. 162.
- Fraknoi, A. Science Fiction Stories with Reasonable Astronomy, 1990 Jan/Feb, p. 26.
- Goodman, A. The Diplomatic Implications of Discovering Extraterrestrial Intelligence, 1987 Mar/Apr, p. 56.
- Rotton, J. & Kelly, I. The Lunacy of It All: Lunar Phases and Human Behavior, 1986 May/June, p. 73.
- Marschall, L. Comets and the Muse, 1986 Jan/Feb, p. 10.
- Marschall, L. Modern Poetry and Astronomy, 1983 Mar/Apr, p. 41.
- Ackerman, D. The (Astronomical) Poetry of Diane Ackerman, 1978 Jul/Aug, p. 73.
- Fraknoi, A. The Music of the Spheres: Astronomical Sources of Musical Inspiration, 1977 May/June, p. 15. (Also: More Music of the Spheres, 1979 Nov/Dec, p. 128.)
- Reis, R. & Braun, A. Beyond Our Time: Interview with Artist Chesley Bonestell, 1977 May/June, p. 11.
- Crawford, D. Astronomy and Philately: Collecting Astronomy Stamps, 1977 Jan/Feb, p. 17.
- Freitas, R. Metalaw and Interstellar Relations, 1977 Mar/Apr, p. 15.
- Lark, N. Astronomy in Science Fiction, 1976 May/June, p. 16.
- Fraknoi, A. & Friedman, A. Images of the Universe: Astronomy and Poetry, 1975 Mar/Apr, p. 14.
- Saunders, F. The Moon Illusion, 1975 Mar/Apr, p. 20.
- 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.
- Seydel, C. Into Thick Air [Storms on Jupiter], 2002 Jan/Feb, p. 24.
- Hockey, T. Recognizing Jupiter's Great Red Spot, 2000 Sep/Oct, p. 18.

Nath, B. Lurking Between the Galaxies [ordinary intergalactic matter], 1999 May/June, p. 24.

Colgan, S. The Cosmic Laser Light Show [on masers and lasers in space], 1997 Jul/Aug, p. 18.

Wynn-Williams, G. Bubbles, Tunnels, Onions and Sheets: The Diffuse Interstellar Medium, 1993 Jan/Feb, p. 2.

Goldsmith, D. & Cohen, N. The Great Molecule Factory in Orion, 1991 Sep/Oct, p. 148.

Lupfer, C. Molecular Clouds and Molecules: Spices in the Cosmic Soup, 1991 Jul/Aug, p. 120.

Verschuur, G. Molecules Between the Stars, 1987 May/June, p. 66.

Reipurth, B. Bok Globules, 1984 Mar/Apr, p. 50.

Spitzer, L. Interstellar Matter and the Birth and Death of Stars, 1983 Sep/Oct, p. 142.

Tucker, W. & K. The Origin of Cosmic Rays, 1982 Jan/Feb, p. 34.

Herbst, W. Canis Major R1: A Stellar Nursery, 1979 Jul/Aug, p. 86.

Hoyle, F. Astrochemistry, Organic Molecules, and the Origin of Life, Jan/Feb. 1978, p. 2.

Buhl, D. Light Molecules and Dark Clouds, 1972 Sep/Oct, p. 4; 1972 Nov/Dec, p. 4.

Jupiter

Pontius, D. The Nebula in our Own Backyard [Jupiter's magnetosphere], 2000 Nov/Dec, p. 26.

Murrill, M. The Grandest Tour of Voyager, 1993 May/June, p. 66. Retrospective on the mission.

Eliot, J. & Kerr, R. How Jupiter's Ring Was Discovered, 1985 Nov/Dec, p. 162.

Kaufmann, W. Jupiter: Lord of the Planets, 1984 Nov/Dec. p. 168.

Morrison, D. Four New Worlds: The Voyager Exploration of Jupiter's Satellites, 1980 May/June, p. 53.

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

Lab Activities (for Astronomy Classes)

Heyer, I. A 3-D Model of the Orion Constellation, 2011 Autumn, p. 21.

Russell, R. Computer-based Games, Simulations and Virtual Labs for Earth Science and Astronomy Education, 2011 Autumn, p. 26.

Mihos, C. & Bothun, G. Cosmos on a Computer [simulations/applets for beginners], 2001 Jul/Aug, p. 23.

Kruglak, H. A Laboratory Exercise on Resolving Power, 1982 Jul/Aug, p. 133.

Carney, B. A Lab Exercise on the Hubble Law, 1978 May/June, p. 51.

Cohen H. Astronomy's Right-hand Rule, 1978 Jan/Feb, p. 18.

Sorvari, J. & Simon, S. An International Measurement of the Radius of the Earth, 1976 Jan/Feb, p. 34.

Byrd, G. Measuring the Earth's Circumference with a Yardstick, 1976 Jan/Feb, p. 35.

Kruglak, H. A Lab Exercise on the Inverse Square Law of Light Intensity, 1975 May/June, p. 9.

- Chriss, M. Visualizing Geologic Time, 1974 Nov/Dec, p. 29.
- Norton, R. Determining Relative Distances to the Planets in the Planetarium Using Copernicus' Method, 1974 Jul/Aug, p. 16. (See also 1976 Jan/Feb, p. 34.)
- Norton, R. Repeating Eratosthenes' Observations, 1974 May/Jun, p. 14.
- Neff, J. A Method of Demonstrating the Nature of Light Pollution, 1974 Jan/Feb, p. 9.
- Herr, R. Overlay Scale Comparators for Some Popular Sky Atlases, 1973 May/Jun, p. 12.
- Wentzel, D. All-Weather Observing: Use of Palomar Sky Survey Prints, 1973 Jan/Feb, p. 13.
- Neff, J. & Spangler, S. A Lecture Demonstration Apparatus for Simulation of Eclipses and Light Variations of Eclipsing Binary Stars, 1972 Jul/Aug, p. 10.
- Stewart, M. Tracking the Moon with Cross-staff and Computer, 1972 May/Jun, p. 12.

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.
- Oliver, B. Radiation in the Solar System, 1984 Jan/Feb, p. 12.
- King, D. Polarized Light in Astronomy, 1983 Mar/Apr, p. 46.

Light Pollution (and Radio Interference)

- Nordgren, T. The National Parks and the Milky Way, 2015 Spring, p. 31-36. On dark skies and public programs at the parks.
- 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.
- McGowan, S. Steering by Different Stars: Astronomers and the Dark-Sky Movement, 2006 Jul/Aug, p. 30.
- Cohen, N. & Clegg, A. What Should We do about Radio Interference?, 1995 Jul/Aug, p. 10.
- Sperling, N. Light Pollution: A Challenge for Astronomers, 1986 Sep/Oct, p. 144.
- Hoag, A. Observatories and City Lights: One City Fights Light Pollution, 1972 Sep/Oct, p. 2.

Mars

- Staedter, T. Digging Deeper [The InSight Mission to Mars], 2018 Spring, p. 31.
- Mersmann, K. Martian Dust Storms: Fact and Fiction, 2015 Autumn, p. 32-35. Compares reality to what's in the film *The Martian*.
- Gianelli, G. Following the Martian Coastline, 2005 Sep/Oct, p. 12.
- Sheehan, W. Mars Fever [history of Mars oppositions], 2003 Jul/Aug, p. 30.

Joyce, D. & Troiani, D. Observer's Delight [observing suggestions for the 2003 close approach of Mars], 2003 Jul/Aug, p. 24.

Bell, J. Red Rover's Rocky Road [previewing the Mars Exploration Rovers], 2003 Jul/Aug, p. 14.

Barile, S. 2002: A Martian Odyssey [on the work of the Mars Odyssey spacecraft], 2002 Sep/Oct, p. 30.

Hoffman, N. White Mars [what if Mars never had water], 2001 Jan/Feb, p. 14.

Carr, J. The Little Twisters' Impact: Dust Devils on Mars, 2000 Mar/Apr, p. 11.

Scott, E. Was There Life in the Martian Meteorite, 1998 Sep/Oct, p. 8.

Miller, R. Reflections on the 100-Year Anniversary of the *War of the Worlds*: A Frontier and Literary History of Mars, 1998 May/June, p. 12.

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.

Sleep, N. & Tanaka, K. Did Mars Have Plate Tectonics? [debate], 1995 Sep/Oct, p. 10.

Bullock, M. Soil of Mars, 1994 Sep/Oct, p. 10.

NASA: Return to the Red Planet: Mars Observer, 1992 Sep/Oct, p. 146.

Carr, M. The Surface of Mars: A Post-Viking View, 1983 Jan/Feb, p. 2.

Moore, P. Mars: Then and Now, 1980 Mar/Apr, p. 23.

Wall, S., et al. Stereoscopic Views of Mars: Chryse in 3-D, 1977 Sep/Oct, p. 11.

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

Palsson, R. The Challenge of Viking: Is There Life on Mars, 1976 Mar/Apr, p. 14/

Reis, R. Interview with Harold Klein on the Viking Search for Life on Mars, 1975 Jan/Feb, p. 8.

Mercury

Solomon, S. Top Ten List [of Discoveries] from Mercury, 2015 Summer, p. 24-30. Messenger mission results.

Blewett, D. New Views of Diverse Worlds (Moon, Mercury, Vesta), 2011 Autumn, p. 28.

Deans, P. Messenger to Mercury, 2011 Winter, p. 24. Previewing the mission.

Dorminey, B. The Deep Plunge Sunward [Preview of MESSENGER Mission], 2007 Winter, p. 12.

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

Cordell, B. Mercury: The World Closest to the Sun, 1984 Sep/Oct, p. 136.

Meteors and Meteorites

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

Phillips, J. Meteorite Field Guide, 2001 Nov/Dec, p. 32.

Kress, M. Collecting Cosmic Dust [interplanetary dust particles], 2001 Nov/Dec, p. 24.

Jenniskens, P. Ready for the Storm [2001 Leonid meteor storm & Meteor Showers in general], 2001 Nov/Dec, p. 14.

Kortenkamp, S. Amid the Swirl of Interplanetary Dust, 1998 Nov/Dec, p. 7.
 Tagliaferri, E. Observation of Meteoroid Impacts by Space-based Sensors, 1998
 Nov/Dec, pp. 18.
 Larsen, K. The Uncelebrated and Unlucky Ursids, 1994 Sep/Oct, p. 18.
 Barrat, J. Meteorite Hoax Uncovered [Port Orford Meteorite, 1993 May/Jun, p. 90.
 Spratt, C. & Stephens, S. Against All Odds: Meteorites that Have Struck Home, 1992
 Mar/Apr, p. 50.
 Kronk, G. Meteor Showers, 1988 Nov/Dec, p. 162.
 Adams, M. Observing Fallen Stars [meteors], 1980 Mar/Apr, p. 31.

Moon

Staedter, T. The Moon: Earth's 8th Continent, 2019 Summer, p. 39. [On the Moon
 Village Association, for international cooperation.]
 Warmflash, D. Apollo's Biomedical Lessons, 2019 Spring, p. 39.
 Blewett, D. New Views of Diverse Worlds (Moon, Mercury, Vesta), 2011 Autumn, p. 28.
 Upgren, A. By the Light of the Moon [factors affecting Moon's brightness], 2004
 Nov/Dec, p. 28.
 Smith, G. Refining Refracted Moonlight [photographing and understanding the Moon],
 2004 Sep/Oct, p. 30.
 San Francisco Museum of Modern Art: Lunar Vistas and Apollo's Legacy, 1999 Sep/Oct,
 p. 32.
 Strock, I. Your Ticket to the Moon: The Artemis Project, 1998 Jul/Aug, p. 26.
 Morrison, D. & Owen, T. Our Ancient Neighbor, the Moon, part 2 (History and Origins),
 1988 Jul/Aug, p. 98.
 Morrison, D. & Owen, T. Our Ancient Neighbor, the Moon, part 1, 1988 May/Jun, p. 66.
 Rotton, J. & Kelly, I. The Lunacy of It All: Lunar Phases and Human Behavior, 1986
 May/Jun, p. 73.
 Cadogan, P. The Moon's Origin, 1983, Mar/Apr, p. 34.
 Burgess, E. The New Moon: Scientific Results of 18 Years of Lunar Exploration, 1977
 Nov/Dec, p. 10.
 Asimov, I. The Face of the Moon, 1976 Jan/Feb, p. 14.
 Saunders, F. The Moon Illusion, 1975 Mar/Apr, p. 20.
 Page, T. Cameras on the Moon with Apollos 15 and 16, 1972 Mar/Apr, p. 4.

Nebulae

Birriel, J. The Making of Messy Planetary Nebulae, 2017 Spring, p. 8.
 Ferland, G. Behind the Heavenly Glow [What we can Learn from Nebulae], 2006
 Jul/Aug, p. 12.
 Kwok, S. Planetary Nebulae: Shrouds of Mystery, 2002 Jul/Aug, p. 24.
 Kaler, J. Lighting the Nebulae [how planetary nebulae glow with such nice colors], 2002
 Jul/Aug, p. 17.
 Goldsmith, D. & Cohen, N. The Great Molecule Factory in Orion, 1991 Sep/Oct, p. 148.

Kaler, J. Planetary Nebulae and Stellar Evolution, 1981 Jul/Aug, p. 114.

Neptune

Kaufmann, W. Voyager at Neptune: A Preliminary Report, 1989 Nov/Dec, p. 174.

Moore, P. The Discovery of Neptune, 1989 Jul/Aug, p. 98.

Sohus, A. & Miner, E. The Voyager Mission to Neptune (A Preview), 1988 Sep/Oct, p. 130.

Neutrinos

White, J. Ghostly Particles all About [Neutrinos], 2006 Jan/Feb, p. 12.

Bahcall, J. How the Sun Shines [history and recent ideas about fusion and neutrinos], 2001 Sep/Oct, p. 30.

Halzen, F. High Energy Neutrino Astronomy: First Light at the South Pole, 2000 Jan/Feb, p. 24.

Bahcall, J. Neutrinos from the Sun: An Astronomical Puzzle, 1990 Mar/Apr, p. 53.

Turner, M. Neutrinos: The Ultimate Astrophysical Probe, 1978 Jan/Feb, p. 9.

Particle Physics and Astronomy

Birriel, J. & I. Deadly Cosmic Storms [Historical periods of increased cosmic rays and radiation], 2006 Jan/Feb, p. 18.

Wiley, A. What's the Matter with Antimatter?, 2005 Nov/Dec, p. 12.

Mann, A. Invisible Frontier [history and current projects in particle physics related to astronomy], 2004 Jul/Aug, p. 30.

Mann, A. Elements of Elementary Particle Physics, 1998 Jul/Aug, p. 9

Bahcall, J. How the Sun Shines [history and recent ideas about fusion and neutrinos], 2001 Sep/Oct, p. 30.

Bartusiak, M. To Catch a Ghost: The Search for Particles of Dark Matter, 1993 Nov/Dec, p. 6.

Bahcall, J. Neutrinos from the Sun: An Astronomical Puzzle, 1990 Mar/Apr, p. 53.

Wagoner, R. & Goldsmith, D. Quarks, Leptons, and Bosons: A Particle Physics Primer, 1983 Jul/Aug, p. 98.

Tucker, K. & W. Stalking the Magnetic Monopole, 1983 Mar/Apr, p. 39.

Photography in Astronomy

Rector, T., et al. Coloring the Universe, Winter 2016, p. 19-26. Excerpt from book on how color images in astronomy are produced.

Smith, G. Refining Refracted Moonlight [photographing and understanding the Moon], 2004 Sep/Oct, p. 30.

Haynes, R. How We Get Pictures from Space, 1990 May/Jun, p. 77.

Malin, D. Unsharp Masking in Astronomical Photography, 1979 Jul/Aug, p. 89.

Pluto

- Stern, A. New Horizons and the Exploration of the Pluto System, Spring 2016, p. 20 – 28. Edited version of his March 2016 Mazursky's lecture.
- Weintraub, D. & Marsden, B. Pluto by Any Definition [the Controversy of how to Define a Planet in our Solar System], 2007 Winter, p. 26.
- Whitman, D. King of the Kuiper Belt [Pluto & Kuiper Belt History and previewing the New Horizons Mission], 2004 May/Jun, p. 17.
- Tombaugh, C. The Discovery of Pluto, 1986 May/Jun, p. 66; Jul/Aug, p. 98.
- Harrington, R. & B. The Discovery of Pluto's Moon, 1979 Jan/Feb, p. 1.
- Tombaugh, C. The Search for the Ninth Planet Pluto, 1979 Jan/Feb, p. 4. A personal history by the discoverer.

Pseudoscience (Debunking)

- Cunningham, C. The Toledo Letter [and the End of the World], 2011 Winter, p. 7.
- Larsen, K. Astronomy EPO and the 2012 Hysteria: Your Personal Guide to Joining the Battle, 2010 Autumn, p. 22.
- Evans, W. They Are Out to Get Us [on conspiracy theories and astronomy], 1995 Nov/Dec, p. 23.
- DeRobertis, M. & Delaney, P. The Roots of Astrology [includes their survey of undergraduates], 1994 Sep/Oct, p. 21.
- Goldsmith, D. & Owen, T. Visitors to Earth: A Skeptic's Guide to UFOs, Part 2, 1992 Sep/Oct, p. 135.
- Goldsmith, D. & Owen, T. Visitors to Earth: A Skeptic's Guide to UFOs, Part 1, 1992 Jul/Aug, p. 155.
- Fraknoi, A. Scientific Responses to Pseudoscience Related to Astronomy: An Annotated Bibliography, 1990 Sep/Oct, p. 144.
- Fraknoi, A. Astronomical Constellations and Astrological Signs [brief], 1987 Jul/Aug, p. 116.
- Rotton, J. & Kelly, I. The Lunacy of It All: Lunar Phases and Human Behavior, 1986 May/Jun, p. 73.
- Morrison, D. Astronomy and Creationism, 1982 Sep/Oct, p. 145/
- Kelly, I. Cosmobiology and Moon Madness, 1981 Jan/Feb, p. 13.
- Kelly, I. The Scientific Case Against Astrology, 1980 Nov/Dec, p. 135.
- Meeus, J. Planets, Sunspots, and Earthquakes, 1979 Jul/Aug, p. 72.
- Kruglak, H. & O'Bryan, M. Astrology in the Astronomy Classroom, 1977 Nov/Dec, p. 18.
- Reis, R. Interview with George Abell on Astrology and Astronomy, 1976 Mar/Apr, p. 8.

Public Outreach in Astronomy

- Murray, S. A Nation of the Stars [public outreach projects in Chile], 2017 Autumn, p. 29.

Duncan, D. Run an Eclipse Event for Friends, Neighbors, and Profit, 2015 Summer, p. 17-23.

Nordgren, T. The National Parks and the Milky Way, 2015 Spring, p. 31-36. On dark skies and public programs at the parks.

Michaud, P. Jobs that are Out of this World, 2015 Winter, p. 27-30. Jobs at the Gemini Observatory that don't require an advanced degree in astronomy.

Hostetter, D. Sidewalk Astronomy: Bridge to the Universe, 2013 Winter, p. 18.

Lackdawalla, E. Better Conference Talks, 2013 Summer, p. 19.

Laatch, S. The Digital Planetarium: A Modern Astronomical Wonder, 2013 Spring, p. 27.

Fienberg, R. & Arion, D. Three Years after the IYA: An Update on the Galileoscope Project, 2012 Autumn, p. 22.

Gurton, S., et al. Introducing the AAS Astronomy Ambassadors Program, 2012 Autumn, p. 28.

Bracher, K. The Birth of *Mercury* Magazine, 2012 Winter, p. 7.

Prodanovic, T. Ten Commandments for Presentations, 2010 Winter, p. 14.

Watzke, M. & Arcand, K. The Universe Brought Down to the Streets: The Earth to the Universe Project [a photo exhibit that traveled internationally], 2010 Spring, p. 20.

Deans, P. Imaging the Universe Online [websites for good pictures], 2009 Winter, p. 18.

Oman, J., et al. The Universe: Yours to Discover [Activities During the International Year of Astronomy 2009], 2008 Summer, p. 16. [most of the issue]

Walker, C. Go For the Gold (Star) with Family ASTRO, 2007 Winter, p. 10.

Rosendhal, J. Creating NASA's Space Science Education and Public Outreach Program: The Real Stuff, 2006 Nov/Dec, p. 20.

Higgin, P. Pointing Your Cursor to the Universe, 2006 Sep/Oct, p. 32. On the *Universe Adventure* website.

Fraknoi, A. Steps and Missteps Toward an Emerging Profession [astronomy education and outreach], 2005 Sep/Oct, p. 19.

Schatz, D. Monday Night Science [making science as popular as sports], 2005 May/Jun, p. 11.

Berendsen, M. An Outreach Community [NASA's Night Sky Network], 2004 Sep/Oct, p. 11.

Naeye, R., et al. Celebrating 30 Years of Mercury [Magazine], 2002 Jan/Feb, p. 14.

White, S. Stargazing Secrets of Kitt Peak [how to run a public stargazing program], 2000 Nov/Dec, p. 34.

Andersen, J. Discover the International Astronomical Union, 2000 Jan/Feb, p. 32.

Woerner, H. & E. A Close Conjunction Comes to the UAE [showing the sky to kids in the Middle East], 1999 Sep/Oct, p. 41.

Fierro, J. Astronomy on the Streets [talking about astronomy in shelters for homeless girls in Mexico], 1997 May/Jun, p. 14.

Larsen, K. That Personal Touch [do scientists going into the classroom one time do any good?], 1997 May/Jun, p. 19.

Hammel, H. Comets and the Public, 1996 Nov/Dec, p. 19.

Davidson, K. Hype in Space [on plans for advertising stunts], 1993 May/Jun, p. 81.

Sagan, C. Why We Need to Understand Science, 1993 Mar/Apr, p. 52.
Goldsmith, D. Two Years in Hollywood: An Astronomer in Television Land, 1991 Mar/Apr, p. 34.
Fraknoi, A. The ASP: What it Is and How it Works, 1986 Jan/Feb, p. 28.
Reis, R. & Fraknoi, A. A Syndicated Newspaper Column on Astronomy, 1977 Jan/Feb, p. 1.
Perlman, D. Confessions of a Newspaper Reporter, Star-Struck, 1976 Jan/Feb, p. 10.
Anderson, P. Sidewalk Astronomy: A Traveling Star Show, 1974 May/Jun, p. 40.

Pulsars and Neutron Stars

Francis, M. General Relativity Falls Down [on a pulsar in a triple system with two white dwarfs], 2019 Winter, p. 36.
Bartusiak, M. Pas de Deux [on the discovery of the binary pulsar that led to the indirect discovery of gravitational radiation], 2001 Sep/Oct, p. 17.
Lazio, T. & Cordes, J. Pulsars, Planets, and Genetics [on planets found around a pulsar and what it means for life in the universe], 1995 Mar/Apr, p. 23.
Bailyn, C. Problems with Pulsars, 1991 Mar/Apr, p. 55.
Hewish, A. Pulsars after 20 Years, 1989 Jan/Feb, p. 12.
Will, C. The Binary Pulsar: Gravitational Waves Exist, 1987 Nov/Dec, p. 162.
Greenstein, G. Neutron Stars and the Discovery of Pulsars, 1985 Mar/Apr, p. 34; May/Jun, p. 66.
Seward, F. & Harnden, F. Discovery of a New Pulsar in a Supernova Remnant, 1983 Mar/Apr, p. 56.
Sextl, R. & H. Curved Space-time Near a Neutron Star, 1980 Mar/Apr, p. 38.
Helfand, D. Pulsars: Physics Laboratories in our Galaxy, 1977 May/Jun, p. 2.

Quasars and Active Galaxies

Bromm, V. Cosmic Renaissance [quasars and the end of the universe's "dark ages"], 2003 Sep/Oct, p. 25.
Gregory, S. Active Galaxies and Quasars: A Unified View, 1988 Jul/Aug, p. 111.
Burbidge, G. Cosmic Perspective: Quasars in the Balance, 1988 Sep/Oct, p. 136.
Preston, R. Beacons in Time: Maarten Schmidt and the Discovery of Quasars, 1988 Jan/Feb, p. 2.
Weedman, D. Quasars: A Progress Report, 1988 Jan/Feb, p. 12.
Posey, C. Three Recent Snapshots of How Quasars can be Triggered, 1988 Jan/Feb, p. 22.
Balick, B. Quasars with Fuzz, 1983 May/Jun, p. 81.
Gower, A. & Hutchings, J. 4C18.68: A Quasar with Precessing Jets, 1982 Sep/Oct, p. 159.
Lawrence, J. Gravitational Lenses and the Double Quasar, 1980 May/Jun, p. 66.
Tenn, J. Cosmic Distances and QSO's, 1979 Jul/Aug, p. 67.
Kaufmann, W. Exploding Galaxies and Supermassive Black Holes, 1978 Sep/Oct, p. 97.

- Smith, H. Quasi-stellar Objects, 1978 Mar/Apr, p. 27.
 Goldsmith, D. Exploding Galaxies, 1977, Jan/Feb, p. 2.
 Reis, R. The Quasar Controversy: An Interview with Halton Arp, 1974 Nov/Dec, p. 6.

Radio Astronomy

- Murray, S. On the FAST Track [The Chinese FAST Telescope], Summer 2019, p. 33.
 Murray, S. Arecibo Endures [a report after Tropical Storm Maria damaged it], 2018 Winter, p. 26.
 McKinnon, M. Into the Abyss [on the Event Horizon Telescopes], 2018 Winter, p. 33.
 Odekon, M., et al. Harvesting ALFALFA, 2015 Summer, p. 31-36. Neutral Hydrogen survey at Arecibo carried out by a consortium of liberal arts college faculty and students.
 Aghanim, N., et al. The Other Science from Planck [besides cosmology], 2012 Winter, p. 15. Observations in radio and infrared astronomy.
 Brown, J. Radio Astronomy on the Cheap [the Radio JOVE program for schools], 2004 May/Jun, p. 12.
 Lazio, T. Razor Sharp Radio Astronomy [Interferometry], 2001 May/Jun, p. 32.
 Bracher, K. The Beginnings of Radio Astronomy, 2000 Nov/Dec, p. 5.
 Lichtman, J. Turning an Ear to the Heavens [the Pisgah Astronomical Research Institute], 2000 Sep/Oct, p. 26.
 Gordon, M. & Musser, G. The Cold Heart of the Cosmos [on millimeter-wave astronomy], 1997 Jan/Feb, p. 14.
 Dahlem, M. & Brinks, E. The World of Radio Astronomy, Part 1, 1996 Mar/Apr, p. 34; part 2, 1996 May/Jun, p. 32; part 3, 1996 Jul/Aug, p. 15; part 4, 1996 Sep/Oct, p. 27.
 Welch, J. The Waves of the Future [what's next for radio astronomy], 1996 Jan/Feb, p. 24.
 Friedman, H. Discovering the Invisible Universe, 1991 Jan/Feb, p. 2. A long article on the development of radio, infrared, and x-ray instruments.
 Beckwith, S. & Sargent, A. HL Tauri: A Site for Planet Formation, 1987 Nov/Dec, p. 178.
 Tucker, W. & K. The Mushrooms of San Augustin: Using the Very Large Array, 1986 Sep/Oct, p. 130; Nov/Dec, p. 162.
 Downes, A. Radio Galaxies, 1986 Mar/Apr, p. 34.
 Greenstein, G. Neutron Stars and the Discovery of Pulsars, 1985 Mar/Apr, p. 34; May/Jun, p. 66.
 Ferris, T. The Radio Sky and the Echo of Creation, 1984 Jan/Feb, p. 2.
 Kazarian, R. Blankets and Hair Clippers Complicate Radio Studies of the Universe (finding radio quiet places for observatories), 1983 Jul/Aug, p. 122.
 Weiler, K. 3C58: Only the Second Known Plerion, 1981 Mar/Apr, p. 42.
 Wetherill, C. & Sullivan, W. Eavesdropping on the Earth [our radio signature], 1979 Mar/Apr, p. 23.
 Helfand, D. Pulsars: Physics Laboratories in our Galaxy, 1977 May/Jun, p. 2.
 Buhl, D. Light Molecules and Dark Clouds, 1972 Sep/Oct, p. 4; 1972 Nov/Dec, p. 4.

Relativity and Astronomy

- White, J. The Gravity of the Situation [intro to gravity], 2005 Jul/Aug, p. 21.
- Larrea, E. Einstein Goes to School [teaching relativity in and out of school on the Canary Islands], 2005 Jul/Aug, p. 26.
- Matloff, G. Wormholes and Hyperdrives, 1996 Jul/Aug, p. 10.
- Ashby, N. Relativity in the Palm of Your Hand [on the Global Positioning System], 1996 May/Jun, p. 23.
- Zirker, J. A Radical in Twees: Robert Dicke and the General Theory of Relativity, 1994 Jul/Aug, p. 23.
- Zirker, J. Testing Einstein's General Relativity During Eclipses, 1985 Jul/Aug, p. 98.
- Lawrence, J. Gravitational Lenses and the Double Quasar, 1980 May/Jun, p. 66.
- Sexl, R. & H. Curved Space-time Near a Neutron Star, 1980 Mar/Apr, p. 38.
- Helfand, D. Pulsars: Physics Laboratories in our Galaxy, 1977 May/Jun, p. 2.
- Kaufmann, W. Traveling Near the Speed of Light, 1976 Jan/Feb, p. 4.
- Goldsmith, D. When Time Slows Down, 1975 May/Jun, p. 2.

Saturn

- Deans, P., et al. A Cassini Retrospective, 2017 Summer, p. 22.
- Joseph, E. Cassini: The Grand Finale, 2016 Autumn, p. 18-24. Team member previews final work of the mission.
- Lunine, J. Saturn and Titan on the Eve of Cassini-Huygens, 1997 Sep/Oct, p. 10.
- Murrill, M. The Grandest Tour of Voyager, 1993 May/Jun, p. 66. Retrospective on the mission.
- Osterbrock, D. The Nature of Saturn's Rings: James Keeler and the Doppler Principle, 1985 Mar/Apr, p. 46.
- Morrison, D. The New Saturn System, 1981 Nov/Dec, p. 162.
- Greenberg, S. Voyager Encounters Saturn: An Interview with David Morrison and Dale Cruikshank, 1981 Jan/Feb, p. 8.

SETI (Searching for Intelligent Life in the Universe)

- Jackson, R. Another Solution of the Fermi Paradox, 2005 Sep/Oct, p. 26.
- Dick, S. They Aren't Who You Think [extra-terrestrial intelligence could be machines], 2003 Nov/Dec, p. 18.
- Lazio, T. J. Hello? Are You Still There? [on past radio signal receptions and if they are meaningful], 2003 May/Jun, p. 27.
- Zuckerman, B. Why SETI Will Fail, 2002 Sep/Oct, p. 14.
- Shostak, S. SETI's Prospects are Bright, 2002 Sep/Oct, p. 24.
- Vakoch, D. The View from a Distant Star: Challenges of Interstellar Message Making, 1999 Mar/Apr, p. 26.
- Aguiar, J. A Biologist's View of Life Out There, 1999 Mar/Apr, p. 20.

- Cordes, J. Traversing the Galactic Darkness: The Interstellar Matters of Extraterrestrial Transmissions [on the effects of the interstellar medium on radio messages], 1999 Mar/Apr, p. 14.
- Livio, M. How Rare are Extraterrestrial Civilizations and When Did They Emerge? 1999 Mar/Apr, p. 10.
- Shostak, S. SETI: The Day After [what happens if we find a signal], 1996 Mar/Apr, p. 23. (Other shorter articles on SETI topics follow.)
- Shostak, S. The Search Goes On (NASA's SETI Project), 1993 Sep/Oct, p. 24.
- Shostak, S. The New Search for Intelligent Life, 1992 Jul/Aug, p. 114.
- Drake, F. & Sobel, D. Is Anyone Out There, 1992 Jul/Aug, p. 120.
- Drake, F. The Pioneer Message Plaques, 1988 May/Jun, p. 88.
- Goodman, A. The Diplomatic Implications of Discovering Extraterrestrial Intelligence, 1987 Mar/Apr, p. 56.
- Papagiannis, M. The Search for Extraterrestrial Civilizations: A New Approach, 1982 Jan/Feb, p. 12.
- Tipler, F. The Most Advanced Civilization in the Galaxy is Ours, 1982 Jan/Feb, p. 5.
- Wetherill, C. & Sullivan, W. Eavesdropping on the Earth, 1979 Mar/Apr, p. 23.
- Black, D., et al. Searching for Extraterrestrial Intelligence: The Ultimate Exploration, 1977 Jul/Aug, p. 3.
- Reis, R. & Edelson, R. The JPL Search for Extraterrestrial Intelligence: An Interview, 1977 Jul/Aug, p. 8.
- Freitas, R. Metalaw and Interstellar Relations, 1977 Mar/Apr, p. 15.
- Stern, D. First Contact with Non-human Cultures, 1975 Sep/Oct, p. 14.
- Duckworth, E. In Search of the Galactic Library, 1975 May/Jun, p. 10.
- Bracewell, R. Interstellar Messengers, 1975 Mar/Apr, p. 4.
- Dyson, F. Intelligence in the Universe, 1972 Nov/Dec, p. 9.
- Oliver, B. The Search for Extraterrestrial Intelligence, 1972 Mar/Apr, p. 11.

Sky Phenomena (Observing)

- Deans, P. The 2012 Transit of Venus, 2011 Summer, p. 14.
- Oetiker, B. Low Level Observing (seeing the sky at low altitudes), Winter 2010, p. 23.
- James, C. R. Seven Wonders [Phenomena in the Universe You Can Observe for Yourself], Autumn 2008, p. 24.
- Marks, J. Our Whirling World [on the astronomical definitions of day and year], 2007 Autumn, p. 28.
- Upgren, A. The End of Orion [what constellation figures will look like in the remote future], 1999 May/Jun, p. 30.
- Ridpath, I. The Origin of Our Constellations, 1990 Nov/Dec, p. 163.
- Littmann, M. & Yeomans, D. Prospects for Viewing Halley's Comet in 1985-86, 2061, and 2134, 1985 Sep/Oct, p. 130.
- Tatum, J. Halley's Comet in 1986, 1982 Jul/Aug, p. 126.
- Meeus, J. The Triple Conjunctions of Jupiter and Saturn, 1982 Mar/Apr, p. 54.
- See also: Eclipses*

Societal Issues and Astronomy

- Wells, S. At an Impasse [on the protests against the 30-meter telescope in Hawaii], 2019 Autumn, p. 34. [Several shorter pieces in this issue also deal with the problem.]
- Staedter, T. The Moon: Earth's 8th Continent, 2019 Summer, p. 39. [On the Moon Village Association, for international cooperation.]
- Marvel, K. The Future for the American Astronomical Society, 2007 Winter, p. 32.
- Fraknoi, A. A Short List of Astro Daffy-nitions [astronomical humor], 2005 Nov/Dec, p. 47.
- Fraknoi, A. Steps and Missteps Toward an Emerging Profession [astronomy education and outreach], 2005 Sep/Oct, p. 19.
- Stassun, K. Building Bridges to Diversity [increasing the number of minority astronomers], 2005 May/Jun, p. 20.
- Marvel, K. Crazy Town [how the federal astronomy budget can be affected by citizen action], 2004 Sep/Oct, p. 44.
- Simmons, M. Astronomy in Iran, 2003 Jan/Feb, p. 28.
- Russell, J. Flattening the Earth [how medieval thinkers knew the Earth was round], 2002 Sep/Oct, p. 34.
- Walsh, P. Telescopic Therapy [how astronomy helps people with brain injuries], 2002 Jan/Feb., p. 32.
- Marvel, K. Astronomy Under Review [on the Committee on the Organization and Management of Research in Astronomy & Astrophysics], 2001 Nov/Dec, p. 41.
- Marvel, K. A Secret Weapon Revealed [how amateurs and professionals can lobby the government], 1999 Jul/Aug, p. 8.
- Miller, R. To Explore and Protect [environmental issues about protecting space and other worlds], 1999 Mar/Apr, p. 33.
- Kutner, M. The Withering of Academic Freedom [mistreatment of faculty by administrators], 1998 Jan/Feb, p. 24.
- Miller, R. The Cassini Controversy Continues [about using radioactive materials to power planetary probes], 1998 Jan/Feb, p. 28.
- Medupe, R. & Kaunda, L. The Problems of Science in Africa, 1997 Nov/Dec, p. 16.
- Schweitzer, A., et al. Living the 'Dilbert' Life [astronomers who go into industry], 1997 Sep/Oct, p. 24. Followed by other short articles.
- Airhart, M. The Universe in Your Hands [on Kent Cullers a blind SETI researcher], 1997 Jul/Aug, p. 12.
- Fierro, J. Astronomy on the Streets [talking about astronomy in shelters for homeless girls in Mexico], 1997 May/Jun, p. 14.
- Waterhouse, E., et al. The Children of the Blue Marble, 1997 Mar/Apr, p. 10. Lead article in an issue devoted to young people and astronomy.
- 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.

- Miller, R. The Natural Universe [on thinking about Astro-environmentalism], 1997 Jan/Feb, p. 27.
- Ashby, N. Relativity in the Palm of Your Hand [on the Global Positioning System], 1996 May/Jun, p. 23.
- Baliunas, S. The Writing on the Wall [will the future of astronomy depend on government support or private philanthropy?], 1996 Jan/Feb., p. 18.
- Cardelli, J. Soft Money, Hard Times [job outlook for young people in astronomy], 1996 Jan/Feb, p. 30.
- Price, J., et al. Peering into Peer Review, 1995 Nov/Dec, p. 32.
- Evans, W. They Are Out to Get Us [on conspiracy theories and astronomy], 1995 Nov/Dec, p. 23.
- Mukerjee, M. Science in the Closet [gay astronomers], 1995 Nov/Dec, p. 16.
- Moreno-Corral, M. & Rodriguez, M. Astronomy in Mexico, 1995 Nov/Dec, p. 6.
- Price, J., et al. The Double Life [being a professional astronomer and a parent], 1995 Sep/Oct, p. 28.
- Putnam, W. & Houston, C. An Astronomer's Disease [breathing at high altitudes], 1995 Sep/Oct, p. 32.
- Musser, G. Faster, Better, Cheaper, How? An Interview with Domenick Tenerelli [on how NASA and the aerospace industry can work together], 1995 Jul/Aug, p. 12.
- 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.]
- Carruthers, G. Outreach Programs for African-American Students in Washington D.C., 1995 May/Jun, p. 29.
- Stipcevic, A. Astronomy in Bosnia-Herzegovina, 1995 Mar/Apr, p. 6. (With an emergency appeal from an observatory director)
- Percy, J. Chasing the Dream [Astronomers in Developing Countries], 1995 Mar/Apr, p. 15.
- Chambliss, C. Bullion and Billion: Astronomical Images on Old Coins, 1995 Jan/Feb, p. 23.
- Davidson, K. Hype in Space [on plans for advertising stunts], 1993 May/Jun, p. 81.
- Sagan, C. Why We Need to Understand Science, 1993 Mar/Apr, p. 52.
- Smith, F. A Collision over Collisions: A Tale of Astronomy and Politics, 1992 May/Jun, p. 97.
- Morrison, D. The Spaceguard Survey: Protecting the Earth from Cosmic Impacts, 1992 May/Jun, p. 103.
- Canavan, G. & Solem, J. Interception of Near-Earth Objects, 1992 May/Jun, p. 107.
- Wolff, S. Cautions for Astronomy's Golden Age, 1988 Jan/Feb, p. 28. Editorial on risk taking in selecting astronomical sites and group versus individual thinking.
- Goodman, A. The Diplomatic Implications of Discovering Extraterrestrial Intelligence, 1987 Mar/Apr, p. 56.

Solar System (General)

Murray, S. Passing Through [on the two interstellar comets seen so far] 2019 Autumn, p. 29.

Staedter, T. Probing the Primordial [on the New Horizons flyby of MU69], 2019 Winter, p. 31.

Naone, E. Now Voyager [on the Voyager probes and what they did after their planetary flyby's], 2007 Summer, p. 12.

White, J. The Power of Zeus [lightning on Earth and the planets], 2007 Spring, p. 18.

Weintraub, D. & Marsden, B. Pluto by Any Definition [the Controversy of how to Define a Planet in our Solar System], 2007 Winter, p. 26.

Birriel, J. The Faint Young Sun Paradox [evidence from Earth & Mars], 2006 Nov/Dec, p. 12.

Whitman, D. King of the Kuiper Belt [Pluto & Kuiper Belt History and previewing the New Horizons Mission], 2004 May/June, p. 17.

Basri, G. What is a Planet? [need a definition], 2003 Nov/Dec, p. 27.

Sheehan, W. The Historic Hunt for Moons, 2001 Mar/Apr, p. 23.

Schomaker, W. On the Hunt for Modern Moons, 2001 Mar/Apr, p. 29.

Durisen, R. Planetary Rings: Moonlets in a Cosmic Sandblaster, 1999 Sep/Oct, p. 10.

Kortenkamp, S. Amid the Swirl of Interplanetary Dust, 1998 Nov/Dec, p. 7.

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

Thomas, P. The Shapes of Things to Come [why planets are round and asteroids craggy], 1996 May/June, p. 28.

Mosqueira, I. Rally Around the Ring, 1995 Mar/Apr. p. 10. On ring systems.

Durda, D. & Jayaraman, S. The Solar System's New Ring [dust ring discovered in the infrared], 1994 Jul/Aug, p. 20.

Murrill, M. The Grandest Tour of Voyager, 1993 May/June, p. 66. Retrospective on the mission.

Slavsky, D. The Astrophysics of Baseball: How the Game is Played on Earth and Other Planets, 1992 Sep/Oct, p. 161.

Montoya, E. & Fimmel, R. Pioneers in Space: The Story of the Pioneer Missions (Part 2), 1988 May/June, p. 81.

Montoya, E. & Fimmel, R. Pioneers in Space: The Story of the Pioneer Missions (Part 1), 1988 Mar/Apr, p. 57.

Oliver, B. Radiation in the Solar System, 1984 Jan/Feb, p. 12.

Reeves, H. The Origin of the Solar System, 1977 Mar/Apr, p. 7.

Joels, K. Planetary Meteorology: A New Perspective on the Earth's Weather, 1976 Jul/Aug, p. 16.

Space Exploration

Naone, E. Now Voyager [on the Voyager probes and what they did after their planetary flyby's], 2007 Summer, p. 12.

Sherill, T. Lagrangian Point or Bust [putting satellites into stable orbits] 2005 Jan/Feb, p. 32.

Jaroslovsky, A. Imagining Reality [history of spaceflight from idea to missions], 2004 Nov/Dec, p. 20.

Cohan, J. Hubble House Call [how astronauts serviced the Hubble], 2001 Jan/Feb, p. 24.

Haisch, B. & Rueda, A. Prospects for an Interstellar Mission: Hard Technology Limits, but Surprising Physics Possibilities, 2000 Jul/Aug, p. 26.

Strock, I. Your Ticket to the Moon: The Artemis Project, 1998 Jul/Aug, p. 26.

Matloff, G. Wormholes and Hyperdrives, 1996 Jul/Aug, p. 10.

Musser, G. Faster, Better, Cheaper, How? An Interview with Domenick Tenerelli [on how NASA and the aerospace industry can work together], 1995 Jul/Aug, p. 12.

Haynes, R. How We Get Pictures from Space, 1990 May/Jun, p. 77.

Montoya, E. & Fimmel, R. Pioneers in Space: The Story of the Pioneer Missions (Part 2), 1988 May/Jun, p. 81.

Montoya, E. & Fimmel, R. Pioneers in Space: The Story of the Pioneer Missions (Part 1), 1988 Mar/Apr, p. 57.

Neugebauer, M. The Comet Fleet, 1984 May/Jun, p. 66.

Rosendhal, J. The Space Shuttle as a Tool for Science, 1978 May/Jun, p. 53.

Gaffey, M. & McCord, T. Mining the Asteroids, 1977 Nov/Dec, p. 1.

Reis, R. Interview with Gerard O'Neill [advocate of space colonies], 1974 Jul/Aug, p. 4.

Star Clusters

Forbes, D., et al. Globular Clusters and Satellite Galaxies: Companions to the Milky Way, 2009 Spring, p. 24.

Hunter, D., et al. Big Clusters, Tiny Galaxies [on large star clusters in dwarf galaxies], 2003 May/Jun, p. 34.

Murphy, B. A Thousand Blazing Suns: The Inner Life of Globular Clusters, 199 Jul/Aug, p. 26.

Brown, A. The Hyades: So Close, and Now, So Familiar, 1998 May/Jun, p. 17.

Arny, T. & Gordon, K. The Pleiades, 1980 Sep/Oct, p. 113.

Herbst, W. Canis Major R1: A Stellar Nursery, 1979 Jul/Aug, p. 86.

Stars and Stellar Evolution

Birriel, J. The Making of Messy Planetary Nebulae, 2017 Spring, p. 8.

Green, J. Learning to Build a Solar System [on proto-planetary discs around young stars], 2010 Summer, p. 19.

Birriel, J. The Faint Young Sun Paradox, 2006 Nov/Dec, p. 12.

Durisen, R. Rings of Creation [Protoplanetary Disks around Young Stars], 2005 May/Jun, p. 12.

Birriel, J. & J. Cooking Up the Cosmos [where elements heavier than iron come from], 2005 Mar/Apr, p. 19.

Ringwald, F. OBAFGKMLT [spectral types of stars] 2005 Jan/Feb, p. 22.

James, C.R. Reading Between the Lines [some key episodes in the history of the spectroscopy of the stars], 2005 Jan/Feb, p. 12.

Lobel, A. Keep an Eye on Hypergiant Rho Cassiopeiae, 2004 Jan/Feb, p. 13.

Kwok, S. Planetary Nebulae: Shrouds of Mystery, 2002 Jul/Aug, p. 24.

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.

Weintraub, D. How do Planets Form?, 2000 Nov/Dec, p. 10.

Richards, M. The Journey to Algol [understanding interacting binaries], 2000 Jul/Aug, p. 34.

Figer, D. The Pistol Star: A Supergiant Among its Ponderous Peers, 1999 Nov/Dec, p. 32.

Uppgren, A. The End of Orion [what star motions will do to constellation figures in the remote future], 1999 May/Jun, p. 30.

Smith, N. The Behemoth Eta Carinae: A Repeat Offender, 1998 Jul/Aug, p. 20.

Pickett, B. Protostellar Disks with Hot and Cool Running Spirals, 1998 May/Jun, p. 10.

Smith, M. The X-Rays from Cassiopeia's Lap [Gamma Cas], 1998 May/Jun, p. 26.

Hajian, A. When Planetaries Meet Planets [on the evolution of planetary nebulae], 1996 May/Jun, p. 12.

Kaler, J. Giants in the Sky: The Fate of the Sun [on red giants], 1993 Mar/Apr, p. 34.

Rodriguez, L. Flame Throwers of the Galaxy: Collimated Jets from Stars Young and Old, 1995 Mar/Apr, p. 31.

Parker, B. The Cosmic Cookbook: The Discovery of How the Elements Came to Be, 1988 Sep/Oct, p. 142.

Hughes, D. The Lowest Mass Star We Know, 1988 May/Jun, p. 93.

Beckwith, S. & Sargent, A. HL Tauri: A Site for Planet Formation, 1987 Nov/Dec, p. 178.

Soderblom, D. The Alpha Centauri System, 1987 Sep/Oct, p. 138.

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.)

Bally, J. & Reipurth, B. Object 50 in Orion: The Birth of a Nebula [generated by a forming star], 1987 Mar/Apr, p. 46.

Schmidt, G. A Supermagnetic Star, 1987 Jan/Feb, p. 24. [PG 1031+234]

Twarog, B. Chemical Evolution of the Galaxy, 1985 Jul/Aug, p. 107.

Hunter, D. & Wolff, S. Star Formation in Irregular Galaxies, 1985 May/Jun, p. 76.

Harrington, R. & B. Van Biesbroeck 8 and 10: Dark Companions to Nearby Stars, 1985 Jan/Feb, p. 14.

Margon, B. A Distant Carbon Star: An Accident at the Edge of the Galaxy, 1984 Sep/Oct, p. 148.

Goldberg, L. Activity on Betelgeuse, 1984 May/Jun, p. 82.

Graham, J. A New Star Becomes Visible in Chile, 1984 Mar/Apr, p. 60.

Spitzer, L. Interstellar Matter and the Birth and Death of Stars, 1983 Sep/Oct, p. 142.

Garstang, R. Technetium: An Element of Cosmic Significance [as a probe of how stars produce new elements], 1983 Sep/Oct, p. 152.

Davidson, K. Is Eta Carinae about to Explode, 1982 Sep/Oct, p. 138.

Kaler, J. AG Draconis, 1982 May/Jun, p. 83.

Tucker, W. & K. Dwarf Stars: Red, Brown, and Black, 1982 May/June, p. 81.
 Augensen, H. The High-Velocity Stars: Galactic Senior Citizens, 1982 Mar/Apr, p. 48.
 Field, G. Is the Theory of Stellar Evolution Wrong, 1982 Mar/Apr, p. 46.
 Kaler, J. Planetary Nebulae and Stellar Evolution, 1981 Jul/Aug, p. 114.
 Rodriguez, L. Searching for the Energy Source of the Herbig-Haro Objects, 1981
 Mar/Apr, p. 34.
 Trimble, V. How to Survive the Cataclysmic Binaries, 1980 Jan/Feb, p. 8.
 Margon, B. SS433: One of a Kind, 1979 Sep/Oct, p. 108.
 Herbst, W. Canis Major R1: A Stellar Nursery, 1979 Jul/Aug, p. 86.
 Percy, J. Observing Variable Stars for Fun and Profit, 1979 May/June, p. 45.
 Wyckoff, S. Red Giants: The Inside Scoop, 1979 Jan/Feb, p. 7.
 Irwin, J. The Case of the Degenerate Dwarf, 1978 Nov/Dec, p. 125.
 Wilson, R. Binary Stars: A Look at Some Interesting Developments, 1974 Sep/Oct, p. 4.
See also: Supernovae, Pulsars, Black Holes, Variable Stars

Sun

Birriel, J. The Faint Young Sun Paradox, 2006 Nov/Dec, p. 12.
 Soon, W. & Yaskell, S. Year without Summer [1816, the Dalton Minimum, and Solar
 Effects on Earth Climate], 2003 May/June, p. 13.
 Bahcall, J. How the Sun Shines [history and recent ideas about fusion and neutrinos],
 2001 Sep/Oct, p. 30.
 Pasachoff, J. The Sun: A Star Close Up, 1991 May/June, p. 66.
 Wentzel, D. The Solar Chimes: Oscillations Inside the Sun, 1991 May/June, p. 77.
 Bahcall, J. Neutrinos from the Sun: An Astronomical Puzzle, 1990 Mar/Apr, p. 53.
 Kundu, M. Observing the Sun During Eclipses, 1981 Jul/Aug, p. 108.
 Pallavicini, R. & Poletto, G. Is There Anything New on the Sun, 1978 Mar/Apr, p. 23.
 Turner, M. Neutrinos: The Ultimate Astrophysical Probe, 1978 Jan/Feb, p. 9.

Supernovae and Remnants

Naze, Y. Mystery Star 1054 [the supernova that formed the Crab Nebula], 2004
 Jul/Aug., p. 12.
 Reichart, D. The Gamma-Ray Burst Supernova Connection, 2003 Sep/Oct, p. 15.
 Birriel, J. Searching for Supernovae To Be [Type Ia Supernovae], 2003 Jan/Feb, p. 14.
 Balberg, S., et al. Unveiling Black Holes in a Supernova Cauldron, 1999 Nov/Dec, p. 8.
 Schlegel, E. When Supernovae Collide, 1998 Mar/Apr, p. 29.
 Kamper, K. & van den Bergh, S. Capturing a Stellar Explosion: A 31-year Time Exposure
 of Cassiopeia A, 1991 Nov/Dec, p. 176.
 Villard, R. The Hubble Space Telescope: Problems and Solutions, 1990 Sep/Oct, p. 141.
 Straka, W. The Cygnus Loop: An Older Supernova Remnant, 1987 Sep/Oct, p. 150.
 Campbell, B., et al. A Supernova Explosion in a Galaxy Containing a Quasar, 1985
 Nov/Dec, p. 184.
 Blair, W., et al. A Powerful Young Supernova Remnant in Another Galaxy, 1985, p. 80.

- Tucker, W. Exploding Stars, Superbubbles, and the HEOA Observations, 1984 Sep/Oct, p. 130.
- Dopita, M. & Tuohy, I. The Young Supernova Remnant 1E0102.2-7219, 1984 Jan/Feb, p. 25.
- Blair, W. New Views of the Cygnus Loop, 1984 Jan/Feb, p. 16.
- Seward, F. & Harnden, F. Discovery of a New Pulsar in a Supernova Remnant, 1983 Mar/Apr, p. 56.
- Wallerstein, G. & Wolff, S. The Next Supernova?, 1981 Mar/Apr, p. 44.
- Weiler, K. 3C58: Only the Second Known Plerion, 1981 Mar/Apr, p. 42.
- Kamper, K. Tycho's Supernova, 1980 Jul/Aug, p. 97.
- Tucker, W. Supernovae, Dinosaurs, and Us, 1980 Jul/Aug, p. 95.
- Schramm, D. & Arnett, W. Supernovae, 1975 May/Jun p. 16.

Telescopes and Observatories

- Wells, S. At an Impasse [on the protests against the 30-meter telescope in Hawaii], 2019 Autumn, p. 34. [Several shorter pieces in this issue also deal with the problem.]
- Murray, S. On the FAST Track [The Chinese FAST Telescope], Summer 2019, p. 33.
- Murray, S. Above it All [instruments aboard high-altitude balloons], 2018 Spring, p. 24.
- Murray, S. Arecibo Endures [a report after Tropical Storm Maria damaged it], 2018 Winter, p. 26.
- Mangum, J. Inside the Event Horizon Telescope, 2018 Winter, p. 39.
- Wiseman, J. Changing the Textbooks: Classic Early Achievements of the Hubble Space Telescope, 2015 Spring, p. 19-24.
- Sembach, K. New Frontiers: Hubble's Unexpected Accomplishments, 2015 Spring, p. 25-30.
- Gardner, J. & Hammel, H. The James Webb Space Telescope, 2013 Spring, p. 20.
- Veronico, N. NASA's New Airborne Observatory Sees First Light [SOFIA], 2010 Summer, p. 24.
- White, J. Seeing the Sky in a Whole New Way [the National Virtual Observatory], 2003 Mar/Apr, p. 37.
- Heck, A. Strasbourg Observatory: A Multinational History, 2005 Jul/Aug, p. 32.
- Avant, J. Pisgah Astronomical Research Institute; Where Science Excites the Imagination, 2005 Mar/Apr, p. 12.
- Knacke, R., et al. Building a School Observatory, 2003 Nov/Dec, p. 35.
- 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.
- Schilling, G. The Ultimate Telescope [planning for ESO's Overwhelmingly Large Telescope project], 2002 May/Jun, p. 16.
- Dodd, L. Astronomy Down Under [visiting Australia and its astronomical sites], 2002 Mar/Apr, p. 30.
- Lazio, T. Razor Sharp Radio Astronomy [Interferometry], 2001 May/Jun, p. 32.

- Wanjek, C. Chandra Delivers [first 18 months of the x-ray telescope], 2001 Mar/Apr, p. 12.
- Cohan, J. Hubble House Call [how astronauts serviced the Hubble], 2001 Jan/Feb, p. 24.
- Harrington, P. Buying a Telescope [for Home Use], 2000 Nov/Dec, p. 18.
- Lichtman, J. Turning an Ear to the Heavens [the Pisgah Astronomical Research Institute], 2000 Sep/Oct, p. 26.
- Lowman, P. Astronomy from the Moon: A Second Look [about building observatories on the Moon], 2000 Mar/Apr, p. 31.
- Teare, S. & Dantowitz, R. Twinkle-Free Stars: Astronomical Imaging without Atmospheric Blurring [adaptive optics], 2000 Mar/Apr, p. 28.
- Culbertson, B. Refurbishing a Dream [saving an old refractor in Kansas], 1999 Jul/Aug, p. 11.
- Pilachowski, C & Trueblood, M. Telescopes of the 21st Century, 1998 Sep/Oct, p. 10.
- Junor, B., et al. Seeing the Details of the Stars with Next Generation Telescopes [adaptive optics and other techniques], 1998 Sep/Oct, p. 26.
- Rodriguez, M. & Moreno-Corral, M. Seeing is Believing [on atmospheric seeing and adaptive optics], 1997 May/Jun, p. 24.
- Salzer, J., et al. Can the National Optical Observatories Survive?, 1996 Jan/Feb, p. 10.
- Putnam, W. & Houston, C. An Astronomer's Disease [breathing at high altitudes], 1995 Sep/Oct, p. 32.
- Page, T. Liquid Sky [making a telescope mirror out of liquid mercury], 1995 Jul/Aug, p. 35.
- Stipcevic, A. Astronomy in Bosnia-Herzegovina, 1995 Mar/Apr, p. 6. (With an emergency appeal from an observatory director)
- Stephens, S. "We Nailed It! [Repairing the Hubble], 1994 Jan/Feb. p. 6.
- Moreno-Corral, M, et al. High Atop the Baja: The National Astronomical Observatory of Mexico, 1994 Jan/Feb, p. 29.
- Sweitzer, J. The Last Observatory on Earth (South Pole Station), 1993 Sep/Oct, p. 13.
- Teske, R. Starry, Starry Night: Observing on Kitt Peak, 1991 Jul/Aug, p. 115
- Photofeature: First Light for the Keck Telescope, 1991 Jan/Feb, p. 16.
- Neal, V., et al. Gamma-Ray Observatory: The Next Great Observatory in Space, 1990 Jul/Aug, p. 98.
- Field, G. & Goldsmith, D. The Space Telescope: Eyes Above the Atmosphere, 1990 Mar/Apr, p. 34.
- Krisciunas, K. Two Astronomical Centers of the World: Mauna Kea and LaPalma, 1989 Mar/Apr, p. 34.
- Osterbrock, D. Lick Observatory: The First Century, 1988 Mar/Apr, p. 34.
- Gustafson, J. & Sargent, W. The Keck Observatory: 36 Mirrors are Better than One, 1988 Mar/Apr, p. 43.
- Wolff, S. Cautions for Astronomy's Golden Age, 1988 Jan/Feb, p. 28. Editorial on risk taking in selecting astronomical sites and group versus individual thinking.
- Evans, D. & Mulholland, J. Big and Bright: A Brief History of the McDonald Observatory, 1987 Jul/Aug, p. 98.

Tucker, W. & K. The Mushrooms of San Augustin: Using the Very Large Array, 1986 Sep/Oct, p. 130; Nov/Dec, p. 162.

Kazarian, R. Medical X-rays and Astronomical Plates, 1986 Jul/Aug, p. 126.

Wolff, S. The Search for Aperture: A Selective History of the Telescope, 1985 Sep/Oct, p. 139.

Wolff, S. The Renaissance of High-Resolution Spectroscopy, 1983 Nov/Dec, p. 172.

Kazarian, R. Blankets and Hair Clippers Complicate Radio Studies of the Universe (finding radio quiet places for observatories), 1983 Jul/Aug, p. 122.

Bok, B. The Promise of the Space Telescope, 1983 May/June, p. 66.

Pasachoff, J. The Largest Optical Telescopes, 1982 Sep/Oct, p. 142.

Cohen, M. Observing at Kitt Peak National Observatory, 1981 Jul/Aug, p. 98.

Bohm-Vitense, E. Observing with IUE, 1979 Mar/Apr, p. 29.

Burbidge, M. & Field, G. The Space Telescope and the Future of Astronomy, 1976 Jul/Aug, p. 2.

Weymann, R. Extending the Visible Frontier: New Tools for the Optical Astronomer, 1975 Sep/Oct, p. 2.

Brandt, J., et al. A New Comet Observatory on South Baldy, 1975 Mar/Apr, p. 12.

Ross, H. & Merville, A. MIRA: The Challenge of Creating a Professional Independent Observatory, 1974 Nov/Dec, p. 3.

Chriss, M. The Stars Move West: The Founding and First Decade of the Lick Observatory, 1973 Jul/Aug, p. 10; 1973 Sep/Oct, p. 3.

Mendoza, E. The New Observatory in Baja California, Mexico, 1973 Jan/Feb, p. 9.

Hoag, A. Observatories and City Lights: One City Fights Light Pollution, 1972 Sep/Oct, p. 2.

Ultra-Violet Astronomy

Bohm-Vitense, E. Observing with IUE, 1979 Mar/Apr, p. 29.

Snow, T. Ultraviolet Astronomy with the Copernicus Satellite, 1976 Mar/Apr, p. 26.

Uranus

Morrison, N. A Refined View of Miranda, 1989 Mar/Apr, p. 55.

Morrison, N. & Gregory, S. Voyager Discoveries at the Rings of Uranus, 1987 Mar/Apr, p. 58.

Harrington, S. New Views of Miranda, 1987 Jan/Feb, p. 16.

Variable Stars

Kopal, Z. Eclipsing Binary Stars: The Story of Algol and its Celestial Relations, 1990 May/June, p. 88.

Hawkins, M. R15: The Most Distant RR Lyrae Variable, 1985 Sep/Oct, p. 145.

Percy, J. Observing Variable Stars for Fun and Profit, 1979 May/June, p. 45.

Venus

- Addis, C. Goddess of Love & the Hand of God [1769 transit of Venus], 2004 May/Jun, p. 26.
- Mayo, L. The Transit of Venus: Twice in a Lifetime, 2004 Mar/Apr, p. 13.
- Barlow, N. The Prodigal Sister [volcanoes on Venus], 1995 Sep/Oct, p. 23.
- Saunders, S. The Exploration of Venus: A Magellan Progress Report, 1991 Sep/Oct., p. 130.
- Chapman, C. The Vapors of Venus and Other Gassy Envelopes, 1983 Sep/Oct, p. 130.

X-ray Astronomy

- Wanjek, C. Chandra Delivers [first 18 months of the x-ray telescope], 2001 Mar/Apr, p. 12.
- Smith, M. The X-Rays from Cassiopeia's Lap [Gamma Cas], 1998 May/Jun, p. 26.
- Winn, J. An X-Rated View of the Sky [on the Fermi Space Telescope and what it will look for], 1998 Jan/Feb, p. 12.
- Friedman, H. Discovering the Invisible Universe, 1991 Jan/Feb, p. 2. A long article on the development of radio, infrared, and x-ray instruments.
- Tucker, W. & Giacconi, R. The Birth of X-ray Astronomy, 1985 Nov/Dec, p. 178; 1986 Jan/Feb, p. 13.
- Hertz, P. X-ray Sources in Globular Clusters and the Plane of the Milky Way, 1985 Mar/Apr, p. 42.
- Tucker, W. Exploding Stars, Superbubbles, and the HEAO Observatories, 1984 Sep/Oct, p. 130.
- Tucker, W. & K. The Cosmic X-ray Background, 1983 Jul/Aug, p. 120.
- Stokes, G. & Michalsky, J. Cygnus X-1: Genus = X-Ray Binary, Species = Black Hole, 1979 May/June, p. 60.
- Grindlay, J. New Bursts in Astronomy, 1977 Sep/Oct, p. 6.
- Anderson, L. X-rays from Degenerate Stars, 1976 Sep/Oct, p. 6; Nov/Dec, p. 2.