

RECENT PUBLICATIONS RELATING TO THE HISTORY OF ASTRONOMY

Books and Pamphlets

- Allen, Hubert A. *The petroglyph calendar: an archaeoastronomy adventure*. Albuquerque, NM, H. Allen and Associates, 1998. 151 p. illus., map.
- L'Apparence des cieux: astronomie et astrologie en terre d'Islam. Rédigé par Sophie Makariou. Paris, Réunion des Musées nationaux, 1998. 128 p. illus. (part col.), facsim. (part col.) (Les Dossiers du Musée du Louvre, 54)
Exhibition held at the Musée du Louvre, June 18-Sept. 1, 1998.
Contents: Rosenberg, P. Préface.—Makariou, S. Avant-propos.—Defrade, N. Sources et développement de l'astronomie en terre d'Islam.—Balty-Guesdon, M., F. Richard, and A. Berthier. Les manuscrits d'astronomie et d'astrologie au Département des Manuscrits orientaux de la Bibliothèque nationale de France.—Bittar, T. L'astrologie et le décor des métaux.—King, D. A. Les instruments scientifiques en terre d'Islam.—Makariou, S., and A. Caiozzo. La tradition des *Étoiles fixes* sur les globes célestes et dans les manuscrits illustrés d'al-Sufi.—Liste des œuvres.
- Baldi, Bernardino. *Le vite de' matematici*. Edizione annotate e commentate della parte medievale e rinascimentale. A cura di Elio Nenci. Milano, FrancoAngeli, 1998. 524 p. (Filosofia e scienza nel Cinquecento e nel Seicento)
This late 16th- early 17th-century collection includes sketches of many astronomers.
- Barnett, Jo Ellen. *Time's pendulum: the quest to capture time—from sundials to atomic clocks*. New York, Plenum Trade, 1998. 340 p. illus., facsim., maps.
- Bertola, Francesco. *Imago mundi: la représentation de l'univers à travers les siècles*. Traduit de l'italien par Avram Hayli, pour les conceptions de l'univers, une breve histoire, et Étienne Schelstraete pour l'introduction et les commentaires des illustrations. Bruxelles, La Renaissance du livre, 1996. 231 p. col. facsim.
An English translation of the text and captions appears on p. 195–230.
- Bodnár, Szilvia. *Csillagsorsok és embersorsok. Sternenschicksale und Menschenschicksale. Grafikai kiállítás/graphische Ausstellung*. Budapest, Szépművészeti Múzeum, 1990. 67 p. illus., facsim. Hungarian and German on facing pages.
Another illustration is reproduced on the outside front cover.
- Böhm, Conrad A. *250 anni di astronomia a Trieste*. Trieste, MGS Press, 1998. 121 p. illus., facsim., plans, ports.
- Boss, Alan. *Looking for earths: the race to find new solar systems*. New York, J. Wiley, 1998. 240 p., [8] p. of plates. illus., ports.
From the early efforts of Peter van de Kamp and others to the successes of 1996.
- Boxmeer, Henri van. *Instruments anciens de l'Observatoire royal de Belgique*. Bruxelles, Observatoire royal de Belgique, 1996. 110 p. illus.

Buła, Janina. Katalog kalendarzy polskich od XVI do XVIII wieku w zbiorach Biblioteki Czartoryskich. Kraków, Muzeum Narodowe w Krakowie, 1994. 194 p., [24] p. of plates. facsim.

Burnett, Charles S. F. The introduction of Arabic learning into England. London, British Library, 1997. 110 p. facsim. (part col.) (The Panizzi lectures, 1996)

Contents: Preface.—Lecture 1. The books of King Harold.—Lecture 2. The education of Henry II.—Lecture 3. The beginnings of Oxford University.—Epilogue.—Appendix: Didactic rhymes and jingles.—Notes.—Manuscripts.

Among the rhymes and jingles for memorizing the contents of the quadrivium is the following:

"Abdebaran Tauro, Geminis Menkeque Rigelque
Frons et Calbalazet prestant insigne Leoni;
Scorpie, Galbalagrab, tua sit, Capricornie, Deneb,
Tu, Batanalhaut, Piscibus es satis una duobus."

Attributed to Fulbert of Chartres and said to be the "earliest example of verse with Arabic words in the Latin language," it is translated as follows:

"*Ad-dabarān* is prominent in Taurus, *mankib* and *rijl* (the shoulder and leg of the *Twins*) in Gemini, the forehead and *qalb al-asad* (the heart of the Lion), in Leo. Yours, Scorpio, is *qalb al 'aqrab* (the heart of the Scorpion); yours, Capricorn, *dhanab* (the tail). You, *baṭn al-ḥūt* (the belly of the Fish), are enough for both Fishes."

A Calendar of the correspondence of Sir John Herschel. Editor, Michael J. Crowe; associate editors, David R. Dyck, James J. Kevin. Cambridge, New York, Cambridge University Press, 1998. 828p.

The calendar is supplemented by four appendices: 1, "Bibliography of Publications by John Herschel," p. 702–713; 2, "Bibliography of Works Containing Printed Herschel Correspondence," p. 714–715; 3, "Bibliography of Publications on John Herschel," p. 716–724, and 4, "Biographical Register and Index to Correspondents, With a Bibliography of Sources," p. 725–791.

The Cambridge companion to Galileo. Edited by Peter Machamer. Cambridge, New York, Cambridge University Press, 1998. 462 p. illus.

Contents: Preface.—Machamer, P. Introduction.—Wallace, W. A. Galileo's Pisan studies in science and philosophy.—Machamer, P. Galileo's machines, his mathematics, and his experiments.—Feldhay, R. The use and abuse of mathematical entities: Galileo and the Jesuits revisited.—Hooper, W. E. Inertial problems in Galileo's preinertial framework.—Redondi, P. From Galileo to Augustine.—Shea, W. R. Galileo's Copernicanism: the science and the rhetoric.—Swerdlow, N. M. Galileo's discoveries with the telescope and their evidence for the Copernican theory.—McMullin, E. Galileo on science and Scripture.—Blackwell, R. J. Could there be another Galileo case?—Pera, M. The never-ending Galileo story.—Galluzzi, P. The sepulchers of Galileo: the "living" remains of a hero of science. Translated by Michael John Gorman.

Carl Zeiss und Ernst Abbe: Leben, Wirken und Bedeutung. Wissenschaftshistorische Abhandlung. Hrsg. von Rüdiger Stolz und Joachim Wittig, unter Mitwirkung von Günter Schmidt. Jena, Universitätsverlag, 1993. 566 p., [16] p. of plates. illus., facsim., ports.

Partial contents: 3. Ernst Abbes Beziehungen zu anderen Gelehrten. Tiemann, K. H. Wilhelm Julius Foerster.—4. Ernst Abbes Einfluss auf die Universität Jena. Schielicke, R. Astronomie und Zeiss-Werk.—5. Wissenschaftliches Nachwirken Ernst Abbes. Wolfschmidt, G. Die Weiterentwicklung von Abbes Geräten bei Zeiss Jena und ihre Bedeutung für die Astronomie in der ersten Hälfte des 20. Jahrhunderts.

Carrazzoni, José A. *Semblanzas y curiosidades científicas argentinas*. Buenos Aires, Orientación Gráfica Editora, 1998. 191 p. illus., facsim., ports.

Partial contents: Un meteorito tan antiguo como famoso.—Buenaventura Suárez: su conmovedora actividad astronómica.—Octaviano F. Mossotti: entre telescopios y pluviómetros.—Benjamín A. Gould: el pescador de estrellas.

Chaudhuri, Puspendu. *History revealed by the Rāmāyaṇa astronomy*. Calcutta, Firma KLM, 1998. xix, 136 p.

Christianson, Gale E. *Isaac Newton and the scientific revolution*. New York, Oxford University Press, 1996. 155 p. illus., facsim., plan, ports. (Oxford portraits in science)

De Meis, Salvo, *and* Hermann Hunger. *Astronomical dating of Assyrian and Babylonian reports*. Roma, Istituto italiano per l'Africa e l'Oriente, 1998. 95 p. illus. (Serie orientale Roma, 81)

Deutsches Museum Bonn. *Mechanik aus der Wunderkammer—die Vorläufer der Computer*. Hrsg. von Peter Friess und Eva Langenstein. München, Weltkunst Verlag, 1996. 72 p. col. illus., facsim.

Among the works depicted and described are astronomical clocks and watches, sundials, an astrolabe, a celestial globe, and the reconstruction of the antikythera mechanism made by Derek de Solla Price.

Dick, Steven J. *Life on other worlds: the 20th-century extraterrestrial life debate*. Cambridge, New York, Cambridge University Press, 1998. 290 p. illus., facsim., ports.

An abridgment and update of his *The Biological Universe* (1996).

Evans, James. *The history & practice of ancient astronomy*. New York, Oxford University Press, 1998. 480 p. illus.

Contents: 1. The birth of astronomy.—2. The celestial sphere.—3. Some applications of spherics.—4. Calendars and time reckoning.—5. Solar theory.—6. The fixed stars.—7. Planetary theory.—Frequently used tables.—Appendix: Patterns for models.

Folley, Tom, *and* Jain Zaczek. *The book of the sun*. With a foreword by Sir Arnold Wolfendale. Philadelphia, Courage Books, 1997. 128 p. col. illus. (part fold.), ports. (part col.) (A Quarto book)

Friedman, Herbert. *The astronomer's universe: stars, galaxies, and cosmos*. Rev. and updated. New York, W. W. Norton, 1998. xvii, 365 p. illus., ports.

Giornata lineea in ricordo di Bruno Rossi: maestro, fisico e astrofisico. (Roma, 21 aprile 1994.) Roma, Accademia nazionale dei Lincei, 1995. 50 p. illus. (part col.) (Atti del convegno lincei, 117)

Contents: Salvini, G. [Introduzione]—Puppi, G. Relazione commemorativa.—Pacini, F. Bruno Rossi, dai raggi cosmici all'astrofisica della alte energie.—Giacconi, R. L'astronomia a raggi X: i risultati del passato e le prospettive per il futuro.—Cocconi, G., L. Scarsi, and V. Tusa. Interventi.—Salvini, G. Parole di chiusura.

Hack, Margherita. *L'amica delle stelle: storia di una vita*. Milano, Rizzoli, 1998. 301 p., [4] p. of plates. illus., ports.

Contents: 1. Dall'infanzia all'università.—2. L'università e le prime osservazioni astronomiche.—3. I primi lavori: macchine fotografiche e stelle Be.—4. La prima avventura all'estero: Parigi.—5. Merate e Utrecht.—6. America. Da New York a Berkeley, con una parentesi in Unione Sovietica.—7. 1958–1961.—8. In attesa del concorso a cattedra.—9.

Trieste.—10. 1965–1973: ricerca, congressi e burocrazia.—11. La ricerca spaziale e gli anni di piombo.—12. Nascono la rivista "L'Astronomia" e il dipartimento di astronomia.—13. Di San Vito a Roiano.—14. Un decennio straordinario. Sonde, satelliti e Ufo.—15. Esperienze extrascientifiche.

Hamel, Jürgen. *Bibliographia Kepleriana*. Verzeichnis der gedruckten Schriften von und über Johannes Kepler. Im Auftrag der Kepler-Kommission der Bayerischen Akademie der Wissenschaften. Ergänzungsband zur zweiten Auflage. München, C. H. Beck'sche Verlagsbuchhandlung, 1998. xliii, 192 p.

Supplements the 2d ed. (1968) of Max Caspar's *Bibliographia Kepleriana*, edited by Martha List.

Jourdán, Elios R. *En busqueda del Mesón de Fierro*. Santa Fe, Argentina, 1995. 20, [6] leaves. col. illus., map.

Includes texts of reports of the expeditions undertaken in 1779 by Francisco de Ibarra and in 1783 by Miguel Rubín de Celis.

For more on this prehistoric impact site see "Meteorites and Craters of Campo del Cielo, Argentina," by William A. Cassidy, Luisa M. Villar, Theodore E. Bunch, Truman P. Kohman, and Daniel J. Milton, in *Science*, v. 149, Sept. 3, 1965, p. 1055–1064.

Loza-Balsa, Gregorio. *Astronomía y calendario aymara*. La Paz, Bolivia, Museo Nacional de Etnografía y Folklore, 1995. 165 p., [2] leaves of fold. plates. illus.

The folded leaves provide a sky chart showing the modern constellations and a translucent overlay with the Aymara constellations.

Nouhuys, Tabitta van. *The age of two-faced Janus: the comets of 1577 and 1618 and the decline of the Aristotelian world view in the Netherlands*. Leiden, Boston, Brill, 1998. 603 p. (Brill's studies in intellectual history, v. 89)

Contents: ch. 1. Introduction: *Opinio loquitur, ratio respondet?*—A. Preliminaries. ch. 2. Comets after the cessation of dialogue: a historiographical introduction. ch. 3. Comets before the cessation of dialogue. ch. 4. Greek meets Greek: the culmination of dialogue.—B. The Netherlands. ch. 5. Seneca saves Aristotle: cosmology in the Dutch tracts. ch. 6. Cometary concomitants: astrology and teratology in the Dutch tracts. ch. 7. Conclusion: the age of two-faced Janus.

Novikov, Igor' D. *The river of time*. Translated from the Russian by Vitaly Kisin. Cambridge, New York, Cambridge University Press, 1998. xxii, 275 p. illus.

Panek, Richard. *Seeing and believing: how the telescope opened our eyes and minds to the heavens*. New York, Viking, 1998. 198 p.

Prehistoric ritual and religion: essays in honour of Aubrey Burl. Edited by Alex Gibson and Derek Simpson. Thrupp, Stroud, Glos, Sutton Publ., 1998. 242 p. illus., maps, plans.

"H. A. W. Burl: a Bibliography": p. 219–220.

The authors "also assess prehistoric astronomy, the Celtic ritual calendar and the orientation of Stone Age monuments in relation to lunar or solar observations."

See particularly "The Time Lords: Ritual Calendars, Druids and the Sacred Year," by Miranda J. Green (p. 190–202), and "Ritual Astronomy in the Neolithic and Bronze Age British Isles," by Clive L. N. Ruggles (p. 203–208).

- Ptak, Roger. *Sky stories, ancient and modern*. Commack, NY, Nova Science Publishers, 1998. 124 p. illus., facsims.
- Real Francia, Pedro J. del. *Lexicon Manilianum*. Hildesheim, New York, Olms-Weidmann, 1998. 582 p. (Alpha-Omega. Reihe A, Lexika, Indizes, Konkordanzen zur klassischen Philologie, 193) "Manuscriptos y autores de las variantes y conjeturas señaladas": p. iv-v. Index entries and definitions in Latin; introduction in Spanish.
- Remembering Walt Roberts. Boulder, Colo., University Corp. for Atmospheric Research, 1991. 219 p. illus., ports. Reminiscences of Walter Orr Roberts contributed by many friends and colleagues.
- Ristoro, *d'Arezzo*. *La composizione del mondo*. A cura di Alberto Morino. Parma, Fondazione Pietro Bembo, U. Guanda editore, 1997. xxxiii, 446 p. (Biblioteca di scrittori italiani) A 13th-century work on geology and astronomy.
- Schmidt, Karl, and Herbert Schmitt. *Die astronomische Uhr am Tübinger Rathaus*. Mit einem Beitrag von Martin Beutelspacher. Tübingen, Kulturamt der Universitätsstadt Tübingen, 1997. 44 p. col. illus., facsims., ports. (Kleine Tübinger Schriften, Heft 21) Contents: Schmid, K. Zur Geschichte der Uhr und ihres Erbauers.—Schmitt, H. Zur Technik der Uhr.—Beutelspacher, M. Das alte Zifferblatt der astronomischen Uhr.
- Schorn, Ronald A. *Planetary astronomy, from ancient times to the third millennium*. College Station, Texas A&M University Press, 1998. xxv, 376 p., [8] p. of plates. illus. (part col.), ports.
- Sobel, Dava, and William J. H. Andrewes. *The illustrated Longitude*. New York, Walker, 1998. 216 p. illus. (part col.), facsims. (part col.), maps (part col.), ports. (part col.) Text originally published in 1995.
- Soler Gayá, Rafael. *Diseño y construcción de relojes de sol y de luna*. Prontuario para la construcción de relojes de sol y de luna con la justificación de los métodos y fórmulas. 2. ed. Madrid, Colegio de Ingenieros de Caminos, Canales y Puertos, Demarcación de Baleares, 1997. 448 p. illus. (part col.), maps (part col.) (Colección de ciencias, humanidades e ingeniería, no. 29) Many dials, old as well as recent, are illustrated, and there is a long list of sundial mottoes in Latin, Spanish, Catalan, French, Italian, Portuguese, and some dialects (p. 117–173).
- Taylor, Stuart R. *Destiny or chance: our solar system and its place in the cosmos*. Cambridge, New York, Cambridge University Press, 1998. xvii, 229 p. illus.
- Webster, Roderick, and Marjorie Webster. *Western astrolabes*. With an introd. by Sara Schechner Genuth. Chicago, Adler Planetarium & Astronomy Museum, 1998. 179 p. illus., facsims., ports. (Historic scientific instruments of the Adler Planetarium & Astronomy Museum, v. 1) Contents: Knappenberger, P. Foreword. History of the Adler Planetarium Collection. Acknowledgments.—Schechner Genuth, S. Introduction. Astrolabes: a cross-cultural and social perspective.—Astrolabes. The astrolabe, a technical introduction. Western astrolabe catalogue.—Quadrants. The astrolabe-quadrant. Astrolabe quadrant catalogue.—Mariner's astrolabes. Mariner's astrolabe catalogue.—Appendices. Star catalogue. Comparison of stars. Concordance. Makers' biographies.

Articles, Including Essays in Books and Papers in Proceedings

Ambrosini, Reto. Sonnenuhren und italienische Zeit im Tessin. *Orion*, 56. Jahrg., Okt. 1998: 19–24. illus.

"In Italien und im Kanton Tessin war bis zum Ende des 18. / Anfang des 19. Jahrhunderts eine andere Art der Stundenzählung in Gebrauch als nördlich der Alpen. Die Stundenzählung begann mit 24 Uhr beim Sonnenuntergang. Auf diese Weise gezählte Stunden werden italienische Stunden genannt. Dieser Artikel gibt eine kurze Beschreibung solcher Stunden und erklärt, wie eine Sonnenuhr, die italienische Stunden anzeigt, zu lesen ist. Die Konstruktion der italienischen Stundenlinien wird erklärt. Neben einigen historischen Angaben wird der Gebrauch der italienischen Stunden in Italien, im Tessin und in Böhmen beschrieben."

Anderson, Earl R. The seasons of the year in Old English. *In Anglo-Saxon England*. 26. Cambridge, New York, Cambridge University Press, 1997. p. 231–263.

A "historical sketch of seasons-vocabulary."

Armijo, Maruxa. Las estrellas de Dante. *In Jornadas Medievales, 4th, Mexico City, 1993*. Palabra e imagen en la Edad Media. Actas de las IV Jornadas Medievales. Editores, Aurelio González, Lillian von der Walde, Concepción Company. México, D.F., Universidad Autónoma de México, 1995. (Medievalia, 10) p. 201–209.

Atkins, Keletso E. "Kafir time," wage claims, and other sociocultural antecedents of *togt*, or day labor. *In his The moon is dead! Give us our money! The cultural origins of an African work ethic, Natal, South Africa, 1843–1900*. Portsmouth, NH, Heinemann, 1993. (Social history of Africa) p. 78–99.

The lunar calendar used by the Zulu gave rise to conflicts with European employers over the number of days required to earn a month's wages.

Barker, Peter. Kepler's epistemology. *In Method and order in Renaissance philosophy of nature; the Aristotle commentary tradition*. Edited by Daniel A. Di Liscia, Eckhard Kessler, Charlotte Methuen. Aldershot, Hants, Brookfield, Ashgate, 1997. p. 355–368.

Barocas, Vinicio. The Preston Observatory. 2. Onwards and upwards. *Southern stars*, v. 38, Sept. 1998: 1–8.

The first part was cited in *H.A.D. News* no. 46.

Bartholomew, Robert E. The Martian panic sixty years later: what have we learned? *Skeptical inquirer*, v. 22, Nov./Dec. 1998: 40–42.

"The 'War of the Worlds' panic happened sixty years ago, but its lessons are as relevant today as back then."

Bel'kovich, O. I., and M. G. Ishmukhametova. Evolütsiia meteornogo roia Perseid za poslednie 130 let po vizual'nym nablüdeniãã. *Astronomicheskii vestnik*, t. 32, mart/apr. 1998: 182–186. illus.

An English translation, "Evolution of the Perseid Meteor Shower Over Last 130 Years From Visual Observations," appears in *Solar System Research*, v. 32, Mar./Apr. 1998, p. 161–165.

Berkel, Klaas van. Vermeer and the representation of science. *In The Scholarly world of Vermeer*. Zwolle, Waanders, 1996. p. 12–23. illus. (part col.), facsim., ports.

Reflections on Vermeer's painting, *The Astronomer*, a color reproduction of which also appears on the outside front cover of the volume.

- Binney, James J., and Michael R. Merrifield. Galaxies: an overview. *In their Galactic astronomy*. Princeton, N.J., Princeton University Press, 1998. (Princeton series in astrophysics) p. 1–25. illus.
 Contents: 1. Introduction.—2. A brief history of galactic astronomy.
- Bollók, János. A *De consulatu suo* asztrológiai vonatkozásai. [The astrological aspects of the *De consulatu suo*] *In Cicero öröksége. Hereditas Ciceroniana. Tanulmányok a szónok-politikus születésének 2100. évfordulója alkalmából. Studia memoriae Ciceronis MMC annis ante nati dicata. [Hoc volumen rededit Ladislaus Havas]* Debrecen, Kossuth Lajos Tudományegyetem, 1995. (Agatha, 1) p. 221–233.
- Bònoli, Fabrizio. Astronomia e arte: interconnessioni, problematiche e stimoli. Un esempio: "Astronomia e arte medievale." *Giornale di astronomia*, v. 24, giugno 1998: 16–32. illus. (part col.)
- Buła, Janina. Unglerowska edycja polskiego prognostyku astrologicznego na rok 1531 Mikołaja a Szadka, odnaleziona w zbiorach Biblioteki Czartoryskich. *In Kraków. Uniwersytet Jagielloński. Biblioteka. Biuletyn*, r. 47, nr. 1/2, 1997: 41–45. facsimis.
 Summary in German.
 The facsimiles appear on 7 pages of plates preceding the article.
- Campion, Nicholas. Sigmund Freud's investigation of astrology. *Culture and cosmos*, v. 2, spring/summer 1998: 49–53.
- Canovas, Rodrigo, Ernesto Livacic, and Patricio Lizama. Los meses: referencialidad, alegoría y compromiso cultural en tres descripciones literarias. *In Jornadas Medievales, 4th, Mexico City, 1993. Palabra e imagen en la Edad Media. Actas de las IV Jornadas Medievales. Editores, Aurelio González, Lillian von der Walde, Concepción Company. México, D.F., Universidad Autónoma de México, 1995. (Medievalia, 10) p. 187–199.*
 The three works examined are the *Libro de Alexandre*, the *Libro de buen amor* of Juan Ruiz, and the *Nueva corónica y buen gobierno* of Felipe Guamán Poma de Ayala.
- Cernia Slovin, Francesca. Lo scurto e il telescopio. *Art e dossier*, n. 117, nov. 1996: 27–30. col. illus. (Studi e riscoperte)
 "Tra le innumerevoli conseguenze della rivoluzione copernicana, e delle successive acquisizioni scientifiche in materia astronomica, è da annoverare anche un profondo mutamento nei modi di alcune specifiche rappresentazioni pittoriche. Una mutazione che si avverte, però, già in piano Quattrocento, anche se che sarà evidente soprattutto nei soggetti 'celesti' della grande decorazione a fresco delle cupole nei secoli successivi."
- Christianson, Gale E. Mastering the universe. *Astronomy*, v. 27, Feb. 1999: 60–65. col. illus., ports.
 "Edwin Hubble gained scientific immortality when he discovered an expanding universe of galaxies."
- Clarke, Philip A. The Aboriginal cosmic landscape of southern South Australia. *In South Australian Museum, Adelaide. Records*, v. 29, Mar. 1997: 125–145. illus., map.
 "Star maps are provided for the Adelaide and Lower Murray areas."
- Davoust, Emmanuel. A hundred years of science at the Pic du Midi Observatory. *In ASP Summer Scientific Symposium Conference, Chicago, 1997. Astrophysics from Antarctica. Proceedings of the ASP Summer Scientific Symposium Conference held at Chicago, Illinois, 30 June - 2 July 1997.*

- Edited by Giles Novak and Randall H. Landsberg. San Francisco, Astronomical Society of the Pacific, 1998. (Astronomical Society of the Pacific conference series, v. 141) p. 39–53. illus., ports.
- Dyson, John E. Franz Daniel Kahn FRS 1926–1998. *Astronomy & geophysics*, v. 39, Oct. 1998: 32–33. port.
 "Fellow and Councillor of the RAS, distinguished theoretical astrophysicist, gifted teacher and valued colleague."
- Edmondson, Frank K. The Ford Foundation and the European Southern Observatory. *Journal for the history of astronomy*, v. 29, Nov. 1998: 309–326. facsim.
- Fang, Lizhi. Searching for three numbers, 1970–1997: an overview of big bang cosmology. *In Taipei Astrophysics Workshop on Cosmology, 5th, Chung-Li and Taipei, 1997. Cosmic microwave background and large scale structure of the universe. Proceedings of the 5th Taipei Astrophysics Workshop on Cosmology, held at Chung-Li and Taipei, Taiwan, 18–21 December 1997. Edited by Yong-Ik Byun and Kin-Wang Ng. San Francisco, Astronomical Society of the Pacific, 1998. (Astronomical Society of the Pacific conference series, v. 151) p. 3–12.*
- Federici Vescovini, Graziella. Biagio Pelacani's astrological history for the year 1405. *Culture and cosmos*, v. 2, spring/summer 1998: 24–32.
- Gallant, Roy A. Saga of the lump: the Pallas meteorite. *Sky & telescope*, v. 97, Jan. 1999: 50–54. illus. (part col.), col. maps, ports. (part col.)
 "Two centuries ago this mass of rock and iron started a chain of events that led to the science of meteoritics."
- Gaulke, Karsten, and Reimund Torge. *Sterne aus Jena: das Projektionsplanetarium I von Carl Zeiss. Kultur & Technik*, 22. Jahrg., Nr. 3, 1998: 32–33. illus. (Bilder aus der Technikgeschichte)
- Gochermann, Josef, and Rolf Chini. Nachruf: Walter Wargau †. 1948–1996. *In Astronomische Mitteilungen*. Nr. 81. Hamburg, 1998. p. 13–14. port.
- Gómez Redondo, Fernando. Capítulo IV. La corte letrada de Alfonso X (1256–1284). 4.4. La corte como espacio de la ciencia: las compilaciones astrológicas. *In his Historia de la prosa medieval castellana*. 1. La creación del discurso prosístico: el entramado cortesano. Madrid, Cátedra, 1998. (Crítica y estudios literarios) p. 597–643.
- Green, Richard F., David S. De Young, and Sidney C. Wolff. Forty years of discovery: Kitt Peak perspective. *Nature*, v. 395, Oct. 1, 1998, suppl.: A30–A31. col. illus.
- Heinicke, Thomas. Neues Weltbild. *Klassik-Uhren*, 20. Jahrg., Dez. 1997/Jan. 1998: 20–23. col. illus.
 "W. J. Blaeu († 1638), berühmter Kartograph und Globenhersteller sowie Mitarbeiter von Tycho Brahe, fertigte in Den Haag ein einmaliges 'Copernikanisches Planetarium,' datiert 1650, das bisher in keinen Fachbuch erwähnt ist. Erst kürzlich wurde es in Waldenburg (Sachsen) wiederentdeckt. Ein Vergleich seines Uhrwerkantriebs mit dem eines früheren Planetariums von Blaeu aus dem Jahr 1620."
- Hiscock, Philip. Once in a blue moon. *Sky & telescope*, v. 97, Mar. 1999: 52–55. col. illus., facsim.
 Seeks the origin of the term's use to denote a second full moon in a given month.
 Includes a box, "Blue-Moon Mystery Solved?" by Donald W. Olson and Roger W. Sinnott, tracing the usage to the *Maine Farmers' Almanac* for 1937.

- Hodge, Paul W. Naming the man in the moon. *Astronomy*, v. 27, Feb. 1999: 82–85. illus., ports. (part col.)
 On the naming of lunar features.
- Hoskin, Michael A. Derek Howse (1919–1998). *Journal for the history of astronomy*, v. 29, Nov. 1998: 398.
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