

RECENT PUBLICATIONS RELATING TO THE HISTORY OF ASTRONOMY

Books and Pamphlets

Ælfwine's prayerbook (London, British Library, Cotton Titus D. xxvi + xxvii). Edited by Beate Günzel. London, Published for the Henry Bradshaw Society by the Boydell Press, 1993. 227 p. facsims. (Henry Bradshaw Society series, v. 108)

See particularly the sections entitled "Computistical Contents," "Prognostics," "Ælfric, De temporibus anni," and "The Calendar" (p. 16–49), and, in the appendix, "Anglo-Saxon Manuscripts Containing Computistical Material" (p. 203–204).

Astronomical traditions in past cultures. Proceedings of the first annual general meeting of the European Society for Astronomy in Culture (SEAC), Smolyan, Bulgaria, 31 August–2 September 1993. Edited by Vesselina Koleva and Dimiter Kolev. Sofia, Institute of Astronomy, Bulgarian Academy of Sciences, National Astronomical Observatory Rozhen, 1996. 185 p. illus., facsims., maps, plans.

Contents: Ruggles, C. L. N. New approaches to the investigation of astronomical symbolism within the ritual landscapes of the prehistoric British Isles.—Murray, W. B. The Northeast Mexican petroglyphic counting tradition: a methodological summary.—Meech, K. J., and F. X. Warther. Kumu Kahī. First beginnings: astronomy and cosmic architecture in ancient Hawai'i.—Muglova, P., and A. Stoev. The limits of cognition in the archaeoastronomical interpretations.—Stanescu, F. C. Methodological considerations concerning the archaeoastronomical research of Sarmizegetusa-Rēgia, Romania.—Schlosser, W. Some simple techniques and devices useful in practical field-archaeoastronomy.—Dermendjiev, V. N., and P. Valev. Evidence for astronomical and mathematical knowledge of the ancient Thracians.—Valev, P. Mathematical-astronomical study of Thracian cult constructions (tombs).—Tichy, F. Report on observations and investigations of archaeoastronomically relevant structures in Southern Germany.—Iwaniszewski, S. Archaeoastronomical investigations at Biskupin, Poland (Early Bronze Age enclosure and Early Iron Age settlement)—first results.—Stoev, A., and Y. Varbanova. Positional systems for solar and lunar observations in the archaic cultures in Bulgaria.—García, J. B. Some remarks about the astronomical orientation of the pyramids of Chacona (Guímar, Tenerife).—Murray, W. B. The Holy Place: a view from afar.—Nikolov, N. S. The dissemination of the ancient astronomical knowledge of Slav peoples in the Middle Ages Europe.—Frank, R. M. Hunting the European Sky Bears: when bears ruled the earth and guarded the gate of heaven.—Nedialkov, P. Comets as a prototype of St. Michael the Archangel's fiery sword in the Bulgarian iconographic tradition.—Lebeuf, A. The Milky Way, a path of the souls.—Raduncheva, A. Aeneolithic astronomical observations and mythological beliefs.—Siarkiewicz, E. The moon and the genesis of the Mesoamerican 260-day count system.—Koleva, V. Calendar in the Cult Scene from Ovcharovo.

Bougis, Francis. À propos du Grand Menhir brisé de Locmariaquer. 2. éd. Le Bono (Morbihan), 1994. 312 p. illus., maps. + 1 annex.

Contents: 1. ptie. Ce qu'il est et ce qu'il fut.—2. ptie. La technologie néolithique.—3. ptie. Le Grand Menhir et les astres. A. L'observation lunaire. B. La datation par l'astronomie. C. Le Grand Menhir centre d'un grand observatoire lunaire.—4. ptie. La ruine du Grand Menhir.—Conclusion.

The volume of annexes (108 p. illus.) supplements the first three parts of the main work.

Brennan, Martin. The stones of time: calendars, sundials, and stone chambers of ancient Ireland. Rochester, Vt., Inner Traditions International, 1994. 216 p. illus., maps, plans.

Reissuance, with a new epilogue, of a work first published in 1983 by Thames and Hudson in London as *The Stars and the Stones; Ancient Art and Astronomy in Ireland*.

Bronshtēn, Vitaliĭ A. Mikhail Anatol'evich Vil'ev, 1893–1919. Moskva, Nauka, 1995. 125 p. illus., facsims., ports. (Seriia "Nauchno-biograficheskaya literatura")

Burnett, Charles S. F. Magic and divination in the Middle Ages. Texts and techniques in the Islamic and Christian worlds. Aldershot, Hants, Brookfield, Vt., Variorum, 1996. [341], 7, 11, 4, 3 p. (Collected studies series, C557)

Partial contents: 1. Talismans: magic as science? Necromancy among the seven liberal arts (1994).—2. Adelard, Ergaphalau and the science of the stars (1987).—3. Arabic, Greek, and Latin works on astrological magic attributed to Aristotle (1987).—4. The translating activity in medieval Spain (1992).—5. The legend of the three Hermes and Abū Ma'shar's *Kitāb al-Ulūf* in the Latin Middle Ages (1976).—6. Hermann of Carinthia and the *Kitāb al-Isṭamātīs*: further evidence for the transmission of hermetic magic (1981).—7. The *kitāb al-Isṭamātīs* and a manuscript of astrological and astronomical works from Barcelona (Biblioteca de Catalunya, 634) (revision of the unpublished English original version of an article published in Catalan in 1987).—8. Scandinavian runes in a Latin magical treatise. Postscript by Marie Stoklund (1983).—9. The Conte de Sarzana magical manuscript (unpublished).—17. What is the *Experimentarius* of Bernardus Silvestris? A preliminary survey of the material (1977).—18. A note on two astrological fortune-telling tables (1988).—19. The astrologer's assay of the alchemist: early references to alchemy in Arabic and Latin texts (1992).

Convegno internazionale sul tema: Archeologia e astronomia: esperienze e prospettive future (Roma, 26 novembre 1994). Roma, Accademia nazionale dei Lincei, 1995. 159 p. illus., maps, plans. (Atti dei convegni Lincei, 121)

Contents: Moscati, S. [Saluto della Presidenza dell'Accademia]—Ruggles, C. L. N. The past, present and future of archaeoastronomy.—Iwaniszewski, S. Archaeoastronomy and cultural astronomy: methodological issues.—Archeoastronomia: metodi scientifici ed esperienze. Sena Chiesa, G. Il *vicus* romano di Calvatone-Bedriacum: l'evidenza archeologica, gli orientamenti strutturali, le interpretazioni archeoastronomiche. Traversari, G. Esperienze archeo-astronomiche nell'isola di Murano, a Venezia. Romano, G. Archeoastronomia: metodi scientifici ed esperienze.—Dolmen e sepolcri a tumulo nella Puglia centrale e in Sardegna: aspetti archeologici e astronomici. Vlora, N. R. L'ambiente naturale. Striccoli, R. Aspetti archeologici. Proverbio, E. Dolmen, tombe di gigante e sepolcri a tumulo in Puglia e in Sardegna: aspetti astronomici.—Tinè, S. I due santuari di Monte d'Accoddi.—Castellani, V. Necropoli di tumuli ed archeoastronomia.—Lebeuf, A. Architecture, peinture, astronomie.—Moscati, P. Informatica nelle ricerche archeoastronomiche.—Pettinato, G. Archeologia e astronomia in Mesopotamia.—Lanfranchi, G. Astronomia e politica in età neo-assira.—Hunger, H. Babylonian astronomical texts.

Diacu, Florin, and Philip Holmes. Celestial encounters: the origins of chaos and stability. Princeton, N.J., Princeton University Press, 1996. xv, 233 p. illus., ports.

"We have a twofold aim in this book. We wish first to relate some historical developments in celestial mechanics and dynamical systems theory, and in doing so, attempt to re-create the social and intellectual milieus in which the people responsible for them lived. Second, we hope to explain in some depth the mathematical ideas and methods that these pioneers left for us, and on which our own—far smaller—contributions have been built."

La Diffusione del copernicanesimo in Italia, 1543–1610. A cura di Massimo Bucciantini, Maurizio Torrini. Firenze, L. S. Olschki, 1997. 272 p. illus. (Biblioteca di Nuncius. Studi e testi, 21)

Contents: Torrini, M. Introduzione.—Granada, M. A. Giovanni Maria Tolosani e la prima reazione romana di fronte al *De revolutionibus*: la critica di Copernico nell'opuscolo *De coelo et elementis*.—Proverbio, E. Francesco Giuntini e l'utilizzo delle tavole copernicane in Italia nel XVI secolo.—Helbing, M. O. Mobilità della Terra e riferimenti a Copernico nelle opere dei professori dello Studio di Pisa.—Betti, G. L. Il copernicanesimo nello Studio di Bologna.—Peruzzi, E. Critica e rielaborazione del sistema copernicano in Giovanni Antonio Magini.—Dollo, C. Le ragioni del geocentrismo nel Collegio Romano (1562–1612).—Gatto, R. Copernico tra i gesuiti del Collegio napoletano.—Paolella, A. Il cielo stellato in Copernico e nella *Coelestis physiognomia* di G. B. della Porta.—Ingegno, A. Cardano e Bruno. Altri spunti per una storia dell'uomo perfetto.—Ricci, S. I Lincei e le novità celesti prima del *Nuncius sidereus*.—Bucciantini, M. Galileo e la *nova* del 1604.—Vittone, A. A., and G. Busarello. Il problema delle *supernovae* storiche.

Fantoli, Annibale. Galileo: for Copernicanism and for the Church. Translation by George V. Coyne. 2d ed., rev. and corr. Città del Vaticano, Vatican Observatory Publications; Notre Dame, Ind., Distributed by the University of Notre Dame Press, 1996. xx, 567 p. illus. (Studi Galileiani, v. 3)

Translation of *Galileo per il Copernicanesimo e per la Chiesa*.

Contents: Introduction. From the traditional worldview to the theory of Copernicus.—ch. 1. Galileo enters on stage: from his birth to his years in Padua.—ch. 2. The telescopic discoveries. The beginning and growth of the controversies.—ch. 3. Epilogue to the Scriptural controversy: the *De revolutionibus* is listed on the Index.—ch. 4. The controversy about comets and *The Assayer*. Maffeo Barberini is elected Pope.—ch. 5. The resumption of the Copernican program. The *Dialogue* is published.—ch. 6. The storm breaks loose. The trial and condemnation of Galileo.—ch. 7. The “Galileo affair” from the trial’s end until today.

Ferris, Timothy. The whole shebang: a state-of-the-universe(s) report. New York, Simon & Schuster, 1997. 393 p. illus.

Festa, Egidio. L’erreur de Galilée. Paris, Austral, 1995. 431 p. illus. (Collection Diversio)

“Discours du Saint-Père à l’Académie pontificale des Sciences. Samedi 31 octobre 1992”: p. 387–406.

Flamsteed, John. The correspondence of John Flamsteed, the first Astronomer Royal. v. 2. 1682–1703. Compiled and edited by Eric G. Forbes, and (for Maria Forbes) by Lesley Murdin and Frances Willmoth. Bristol, Philadelphia, Institute of Physics Pub., 1997. xlvii, 1095 p. illus., facsimils.

Provides texts of letters 451–900 and official documents 9–16.

“Biographical Notes”: p. 1031–1052.

Galilei, Galileo. Galileo on the world systems. A new abridged translation and guide [by] Maurice A. Finocchiaro. Berkeley, University of California Press, 1997. 425 p. illus.

The translation of selections from the *Dialogo ... sopra i due massimi sistemi del mondo* is accompanied by “a considerable amount of commentary designed to provide an introduction to the reading, understanding, appreciation, and criticism of this classic work.”

Glass, Ian S. Victorian telescope makers. The life and letters of Thomas and Howard Grubb. Bristol, Philadelphia, Institute of Physics Pub., 1997. 279 p. illus., ports.

“Appendix A. Publications by T Grubb”: p. 231–233.

“Appendix B. Publications by H Grubb”: p. 235–244.

“Appendix C. List of Grubb Telescopes etc.”: p. 245–262.

González González, Francisco J. Astronomía y navegación en España, siglos XVI-XVIII. Madrid, Editorial MAPFRE, 1992. 283 p. illus., facsimils., map. (Colecciones MAPFRE, 1492) (Colección Mar y América, 3)

González González, Francisco J., María Paz Gutiérrez, and José M. Merino. Catálogo de la Biblioteca del Real Observatorio de la Armada. San Fernando, Cádiz, Servicio de Publicaciones Armada, 1993. 174 p. facsimils. (Boletín ROA, no. 5/93)

Provides brief entries for 1,311 items, listed alphabetically by main entry, with indexes of names and subjects.

Guth, Alan H. The inflationary universe: the quest for a new theory of cosmic origins. With a foreword by Alan Lightman. Reading, Mass., Addison-Wesley Pub. Co., 1997. xv, 358 p. illus., ports.

Hayman, Richard. Riddles in stone: myths, archaeology, and the ancient Britons. London, Rio Grande, Ohio, Hambledon Press, 1997. xiv, 332 p. illus., facsimils., maps, plans, ports.

Astronomical interpretations are well represented; see particularly chapters 17–19, “The Sun and the Stars,” “Sir Norman Lockyer and His Followers,” and “Stonehenge Decoded.” Additional references to astronomy can be traced through the index.

Hetherington, Norriss S. Hubble's cosmology; a guided study of selected texts. Tucson, Pachart Pub. House, 1996. xx, 218 p. ports. (Pachart history of astronomy series, v. 11)

Contents: Preface.—1. Island universes. Hubble, E. P. Photographic investigations of faint nebulae.—2. Distances to spiral nebulae. Hubble, E. P. A spiral nebula as a stellar system, Messier 31.—3. The velocity-distance relation. Hubble, E. P. A relation between distance and radial velocity among extra-galactic nebulae.—4. An expanding universe. Hubble, E. P. The problem of the expanding universe.

Homet, Jean M. L'Observatoire de Haute-Provence. Préf. de Philippe Véron. Aix-en-Provence, Édisud, 1995. illus. (part col.), col. map.

Contents: Le site de la cité des étoiles.—Histoire de l'observatoire.—Les instruments et leur histoire.—Les travaux et les jours.—La vie quotidienne à l'observatoire.—Les temps des interrogations.

Hübner, Wolfgang. Die Dodekatropos des Manilius (Manil. 2, 856–970). Stuttgart, F. Steiner Verlag Wiesbaden, 1995. 105 p. illus. (Akademie der Wissenschaften und der Literatur, Mainz. Geistes- und sozialwissenschaftliche Klasse. Abhandlungen, Jahrg. 1995, Nr. 6)

Hulley, Charles E. Dreamtime moon: aboriginal myths of the moon. With paintings and drawings by Ainslie Roberts. Chatswood, NSW, Reed Books, 1996. 79 p. illus. (part col.)

Internationale Coronelli-Gesellschaft für Globen- und Instrumentenkunde. Symposium, 8th, Prague, 1994. Bericht über das VIII. Symposium der Internationalen Coronelli-Gesellschaft in Zusammenarbeit mit dem Narodní Technické Muzeum, Praha, 1. bis 4. September 1994. Wien, 1995. 364 p., [16] p. of plates. illus. (part col.), facsimis. (part col.), maps (part col.) (Der Globusfreund, Nr. 43/44)

Partial contents: Švejda, A. Die Globen im Besitz des Technischen Nationalmuseums Prag. The globes in the National Technical Museum, Prague.—Paviot, J. Ung mapmonde rond, en guise de pom(m)e: ein Erdglobus von 1440–44, hergestellt für Philipp den Guten, Herzog von Burgund.—Vogel, K. A. Armillarsphäre und frühe Globen vor 1492. Armillary sphere and early globes before 1492.—Babicz, J. Die Kugelgestalt der Erde als Grundlage des Modells der Kartenzeichnung von Gerhard Mercator bei der Redaktion der Ptolemäischen Geographie, 1578.—Oestmann, G. Johannes Stoeffler's celestial globe. Johannes Stoefflers Himmelsglobus.—Dekker, E. Conspicuous features on sixteenth century celestial globes. Bemerkenswertes auf Himmelsgloben aus dem 16. Jahrhundert.—Kunitzsch, P. European celestial globes with Arabic inscriptions. Europäische Himmelsgloben mit arabischen Inschriften.—Schmidt, R. Zur Arbeitsweise Vincenzo Coronellis. P. Vincenzo Coronelli's methods of work.—Baldwin, R. The celestial features of Cassini's celestial globe of 1792.—Lualdi, A. The Uobicini brothers: a poorly-known globe makers in the early 19th century Milan.—Pokorný, P. R. Zur Datierung des Himmelsglobus von Caspar Pflieger.—Mucha, L. Die Globen des Prager Astronomen Josef Georg Böhm (1807–1868).—Blunck, J. Die Geschichte der Globen des Mars und seiner Monde.—Peters, P. The restauration of two Mercator-Globes terrestrial and celestial. Restaurierbericht von Erd- und Himmelsgloben Mercators.—Sumira, S. The conservation of a celestial globe by Hondius of 1613. Die Konservierung eines Himmelsglobus von Hondius, 1613.—Muchová, M. Die alten Globen in der Sammlung des Museums für Kunstgewerbe in Prag.—Kummer, W. Globen nach 1850, Privatsammlung Ingelheim.

Jarolím, Miroslav. Katalog starých tisků Knihovny Astronomického ústavu AV ČR. II. Ondřejov, Středisko vědeckých informací AsÚ AV ČR, 1994. 123, [16] p. facsimis. (Scripta astronomica, 6)

Contains detailed descriptions of 49 additional works and an entry supplementing item 26 in the catalog's first volume (which was cited in H.A.D.'s *Newsletter* no. 9).

An English translation of the author's introductory note appears on p. 8.

Jungnickel, Christa, and Russell McCormack. Cavendish. Philadelphia, American Philosophical Society, 1996. 414 p., [16] p. of plates. illus., facsimis., maps, ports. (American Philosophical Society, Philadelphia. Memoirs, v. 220)

In the fourth part, "Henry Cavendish," see particularly chapters 5–7, "Sky," "Earth," and "Weighing the World."

Kepler, Johannes. The harmony of the world. Translated into English with an introd. and notes by E. J. Aiton, A. M. Duncan, J. V. Field. Philadelphia, American Philosophical Society, 1997. xli, 549 p. illus., facsimis., music. (American Philosophical Society, Philadelphia. Memoirs, v. 209)
Translation of his *Harmonice mundi*.

Leitner, Wilhelm. Der Sintflut-Mythos im Spannungsfeld von Wissenschaft, Kultur und Glauben. Eine Stellungnahme zu E. u. A. Tollmanns "Sintflut-Impakt-Theorie"—aus der Sicht der Geographie der Geisteshaltung. Bochum, Universitätsverlag Dr. N. Brockmeyer, 1994. 124 p. illus., maps. (Abhandlungen zur Geschichte der Geowissenschaften und Religion/Umwelt-Forschung, Beiheft 4)
Presents the case against the proposal that the Noachian Flood was caused by the impact of a comet in 7545 B.C., as published in 1992 by Edith Kristan-Tollmann and Alexander Tollmann.

Lerner, Michel P. Le monde des sphères. 1. Genèse et triomphe d'une représentation cosmique. Paris, Les Belles lettres, 1996. 403 p., [15] p. of plates. illus., facsimis. (L'Ane d'or)
Contents: Avant-propos.—1. ptie. La naissance des sphères célestes.—2. ptie. Les sphères du point de vue de l'astronomie physique. Problèmes philosophiques.

Malmström, Vincent H. Cycles of the sun, mysteries of the moon; the calendar in Mesoamerican civilization. Austin, University of Texas Press, 1997. 282 p. illus., maps.

Manilius, Marcus. Il poema degli astri (Astronomica). v. 1, libri 1–2. Introduzione e traduzione di Riccardo Scaria. Testo critico a cura di Enrico Flores. Commento a cura di Simonetta Feraboli e Riccardo Scaria. Roma, Fondazione Lorenzo Valla; Milano, A. Mondadori, 1996. lxxix, 384 p. illus. (Scrittori greci e latini)
Latin text and Italian translation on facing pages.

Masani, Alberto. La cosmologia nella storia, fra scienza, religione e filosofia. Brescia, Editrice La Scuola, 1996. 410 p. illus., facsimis. (Analisi e sintesi)
Contents: Premessa.—Castagnoli, C. Prefazione.—cap. 1. Dalle origini al Duecento.—cap. 2. Dal Trecento al Settecento.—cap. 3. L'Ottocento.—cap. 4. La prima metà del Novecento.—cap. 5. La seconda metà del Novecento.—cap. 6. Fra filosofia e scienza nella seconda metà del Novecento.

Mörzer Bruyns, W. F. J. The cross-staff: history and development of a navigational instrument. Zutphen, Vereeniging Nederlandsche Historisch Scheepvaart Museum, Rijksmuseum Nederlands Scheepvaartmuseum Amsterdam, Walburg Instituut, 1994. 127 p. illus., facsimis. (part col.), ports. (part col.)
A checklist (p. 46–88) "contains the numbered descriptions of 95 cross-staffs in chronological order of the date of manufacture. Most instruments are no longer complete."

Molenaar, A. M. De Jacobsladder: de astronomische dimensie van het boek Genesis in het licht van de zonkalender van de Dode-zeerollen. Blesdijke, 1995. 40 p. illus.
Cited in *Brinkman's cumulatieve catalogus van boeken*, 151. jaarg., 1996.

Morin, Jean Baptiste. Astrologia gallica. Book twenty-two, Directions. Translated from the Latin by James Herschel Holden. Tempe, Ariz., American Federation of Astrologers, 1994. xv, 292 p. illus.
Addenda provide extracts from other parts of the *Astrologia Gallica*, and some other relevant material is supplied in appendices.
The original work was first published in 1661, some years after the author's death.

Nebeker, Frederik. Astronomy and the geophysical tradition in the United States in the nineteenth century; a guide to manuscript sources in the library of the American Philosophical Society. Philadelphia,

American Philosophical Society Library, 1991. 114 p. (American Philosophical Society Library Publication, no. 16)

Brief biographical sketches of 181 scientists accompany notes on relevant manuscripts held by the Society's library.

A portrait of Alexander Dallas Bache is reproduced on the front cover of the volume.

Parodi Isolabella, Alberto. Valiosa contribución a la astronomía internacional desde observatorios en el Perú: reseña histórica de los observatorios astronómicos de Monte Harvard, Chosica (1889–1890), y Carmen Alto, Arequipa (1890–1927). Una página de la historia de Arequipa. Lima, Consejo Nacional de Ciencias y Tecnología, 1989. 204 p. illus., plan, ports.

Paturi, Felix R. Harenberg Schlüsseldaten Astronomie. Von den Sonnenuhren der Babylonier zu den Raumsonden im 21. Jahrhundert. Dortmund, Harenberg Lexikon Verlag, 1996. 616 p. illus. (part col.), facsimis., ports.

Peter Apian: Astronomie, Kosmographie und Mathematik am Beginn der Neuzeit, mit Ausstellungskatalog. Karl Röttel (Hrsg.). Eichstätt, Polygon-Verlag Buxheim, 1995. 360 p. illus. (part col.), facsimis. (part col.), maps (part col.), ports. (part col.)

Contents: Röttel, K. Vorrede an den Leser.—Das Leben. Riese, B. Wendezeit—Sachsen zwischen 1485 und 1547. Hofmann, S. Das Umfeld Peter Apians. Witzlau, R. Ein Sachse auf dem Weg nach Bayern. Ernst, I. Peter Apian und die Schwarze Kunst in Ingolstadt. Schöner, C. Peter Apian und die Universität Ingolstadt: Aushängeschild oder Aussenseiter? Koch, G. Ein Brief und seine Geschichte. Röttel, K. Handschriftliches von Peter Apian. Hausfelder, E. Der Haus- und Grundbesitz Peter Apians in Ingolstadt, Oberbayern und der Oberpfalz. Füssl, W. "vil nit werth"?—Der Nachlass Peter Apians im Streit der Erben. Ebermeier, W. Apian und Landshut.—Astronomie und Astrologie. Scheuerer, K. Zeitbestimmung bei Apian. Wolfschmidt, G. Planeten, Kometen, Finsternisse: Peter Apian als Astronom und Instrumentenbauer. Schmeidler, F. Die Scheiben in Peter Apians *Astronomicum Caesareum*. Gingerich, O. A survey of Apian's *Astronomicum Caesareum*. Kunitzsch, P. Peter Apian und die Sternbilder. Mackensen, L. von. Der Astronom im Porträt: Nicolaus Prugner, ein Zeitgenosse des Apian und sein identifiziertes Gelehrtenbildnis. Müller-Jahncke, W. D., and K. Pfister. Astrologisches bei Apian. Schreyögg, D. Formen astrologischer Prognostik bei Apian. Biller, J. H. Die Wandkalender Peter Apians.—Kosmographie und Geographie. Lindgren, U. Was verstand Peter Apian unter "Geographie"? Lindgren, U. Was verstand Peter Apian unter "Kosmographie"? Finsterwalder, R. Die Genauigkeit der Kartierung Bayerns zur Zeit von Peter Apian (1495–1552). Röttel, K. Peter Apians Karten.—Mathematik und Physik. Kaunzner, W. Zur Mathematik Peter Apians. Riederer, F. Er lehrte Kaufleute, Kirchenmänner und Kaiser. Folkerts, M. Die Trigonometrie bei Apian. Folkerts, M. Beitrag Apians zur Mechanik und zum Magnetismus. Kühne, A. Peter Apian als Herausgeber der "Perspectiva communis" von Witelo.—Nachwirken. Betsch, G. Instrumente aus Peter Apians Nachlass. Brichzin, H. Peter und Philipp Apian—and die verpassten Chancen in der sächsischen Kartographie. Röttel, H., and W. Kaunzner. Die Druckwerke Peter Apians.—Röttel, K. Ausstellungskatalog.

Ramsey, John T., and A. Lewis Licht. The comet of 44 B.C. and Caesar's funeral games. Foreword by Brian G. Marsden. Atlanta, Ga., Scholars Press, 1997. xx, 236 p. illus. (American classical studies, no. 39)

Rohr, René R. J. Sundials: history, theory, and practice. With a foreword by Henri Michel. Translated by Gabriel Godin. New York, Dover Publications, 1996. 142 p. illus., facsimis.

"... an unabridged and slightly altered republication of the first English translation (published by University of Toronto Press, Toronto, in 1970) of the original French work published by Gauthier-Villars, Montrouge, France, in 1965 under the title *Les Cadran solaires*."

Color illustrations appear on the outside front and inside back covers.

Schmadel, Lutz D. Dictionary of minor planet names. 3d, rev. and enl. ed. Berlin, New York, Springer, 1997. 939 p. illus., facsim.

Schramm, Jochen. Sterne über Hamburg; die Geschichte der Astronomie in Hamburg. Hamburg, Kultur- & Geschichtskontor, 1996. 270 p. illus., facsims., map, plans, ports.

Contents: Vorwort.—Kometenangst.—Die Kalenderschreiber.—Beginnder wissenschaftlichen Astronomie.—Die Kunstrechner.—Der Hamburgische Correspondent.—Johann Beyer und die Sternwarte am Baumwall.—Aufklärung—Neubeginn im 18. Jahrhundert.—Baumeister und Wasserbauer, die Grossväter der Hamburger Sternwarte.—Edmund Gabory.—Johann Georg Repsold.—Die Altonaer Sternwarte.—Zittern im Wind, Christian Karl Ludwig Rümker.—Die Gründung der Hamburger Sternwarte.—Das Hamburger Planetarium.—Die Repsoldschen Werkstätten.—Fortgang auf der Altonaer Sternwarte.—Die Chronometermacher.—Kapitän Petersens Kochblasentheorie.—Aussteiger, Umzugsabsichten der Hamburger Sternwarte nach Bergedorf.—Reisebüro Sonne.—Wenn ich träume, bin ich in der Sternwarte; Kindheitserinnerungen von Hilda Ritz.—Glanzzeiten der Hamburger Sternwarte, die Zeit 1912 bis 1935.—Ich bin ein Jünger der Finsternis: Bernhard Schmidt.—Astronomie im Dritten Reich.—Neubeginn: die Nachkriegszeit.—Nachwort.

Schwäbische Forscher und Gelehrte: Lebensbilder aus sechs Jahrhunderten. Hrsg. von Helmuth Albrecht. Stuttgart, DRW-Verlag, 1992. 133 p. illus. (part col.), facsims. (part col.), maps (part col.), ports. (part col.)

Partial contents: Schröder, R. Michael Mästlin (1550–1631), Wegbereiter des kopernikanischen Weltbildes.—Sommer, J. Johannes Kepler (1571–1630), Gesetzgeber des Himmels.—Albrecht, H. Wilhelm Schickard (1592–1635), der “beidhändige Philosoph.”—Roth, E. Tobias Mayer (1723–1762), Vermesser des Meeres, der Erde und des Himmels.—Hermann, A. Albert Einstein (1879–1955), das Jahrhundertgenie aus Ulm.

Siorvanes, Lucas. Proclus: Neo-Platonic philosophy and science. New Haven, Yale University Press, 1996. 340 p. map.

See particularly chapter 5, “The Challenge of Reality: Stars and Planets” (p. 262–316). A few additional references can be found by consulting the book’s index.

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“The standard approach in philosophy of astronomy is described as satisfied only on the level of selected facts and is criticized by myself as evidently insufficient.”

R. S. Freitag
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