RECENT PUBLICATIONS RELATING TO THE HISTORY OF ASTRONOMY

Books, Pamphlets, and Special Issues of Periodicals

Les Astres. Actes du Colloque international de Montpellier, 23–25 mars 1995. Études rassemblées par Beatrice Bakhouche, Alain Moreau et Jean-Claude Turpin. Montpellier, Séminaire d'étude des mentalités antiques, Publications de la recherche, Université Paul Valéry, 1996. 2 v. illus. (part col.)

Contents: t. 1. Moreau, A. Avant-propos. 1. ptie. Les astres et les mythes. ch. 1. Mythologie classique. Moreau, A. Quand Apollon devint Soleil. Wathelet, P. Le soleil et les héros solaires dans l'épopée homérique. Le Bœuffle, A. Autour du Dragon, astronomie et mythologie. Soubiran, J. Mythologie et astronomie (II). Le ciel étoilé vu par la jalousie de Junon (Sénèque, *Herc. fur.*, 3–18). Renaud, J. M. Le catastérisme d'Orion. ch. 2. Mythe et histoire. Santini, C. Divinité des astres et catastérisme dynastique. Martin, P. M. Le soleil comme agent de souveraineté. Recherche sur les fondements italo-étrusques de la mystique solaire à Rome. Ricoux, O. Sirius ou l'étoile des mages.—2. ptie. La description du ciel. ch. 1. Les grands ancêtres. Bottéro, J. L'astrologie mésopotamienne: l'astrologie dans son plus vieil état. Lenthéric, B. À propos du Zodiaque circulaire de Dendera: éléments de réflexion. ch. 2. Naissance d'une science. Aujac, G. Sphère céleste et constellations chez Eudoxe, Aratos, Hipparque, Ptolémée. Novara, A. Cicéron et le planétaire d'Archimède. Caldini Montanari, R. Étoile, constellation et corps céleste dans les mentalités grecque et romaine. Freyburger-Galland, M. L. Thalès, astrologue ou astronome? ch. 3. Mesures et calculs. Freyburger, G. L'harmonie des sphères calculée en stades (Pline, *N.H.*, II, 83–84 et Censorinus, 13, 2–5). Rüpke, J. *Quis vetat et stellas ...?* Les levers des étoiles et la tradition calendaire chez Ovide. Hübner, W. Les divinités planétaires de la *Dodécatropos*.—t. 2. 3. ptie. Les correspondances entre la ciel, la terre et l'homme. ch. 1. Microcosmos et macrocosmos. Bakhouche, B. La terre, petit miroir du ciel ... et vice versa? (Macrobe, *Commentaire sur le* Songe de Scipion, II, 5–9). Toulze, F. Astronomie, mythe et vérité (Vitruve, *De Architectura*, IX et Pline l'Ancien, *Naturalis Historia*, II). Liuzzi, D. L'Europe dans l'œuvre de Manilius (*Astr.*, IV, 681–695; 715–721; 760–769). Martínez-Gázquez, J. L'*homo astrologicus* du ms. 2052 des archives capitulaires de la Seu d'Urgell. ch. 2. L'action des astres. Gourevitch, D. La lune et les règles des femmes. Amignes, S. Les "fiancées du soleil." Abry, J. H. L'horoscope de Rome (Cicéron, *Div.*, II, 98–99).—4. ptie. Les "survivances" de l'astrologie antique. Fuzeau-Braesch, S. Prolongements modernes de l'astrologie antique. Brunon, C. F. Le ciel d'Horapollon. Bauer, F., and G. Gouiran. L'"aube" et les astres. À propos de quelques particularités formelles des *albas* profanes. Viré, G. Quelques continuateurs du *De Astronomia* d'Hygin. Maranini, A. Les *Astronomiques* de M. Manilius et le Manilius français d'Equicola. Picot, J. P. Mythologie de l'étoile chez Edgar Poe. Wathelet, P. Synthèse du colloque.

English summaries of papers appear on p. 239–265 of v. 2.

Les Astres. Préf. de Gérard Mourgue. Avec la collaboration de 270 poètes et 18 illustrateurs. Paris, J. Grassin, 1994. 472 p. illus. (L'Encyclopédie poétique, t. 29)

An anthology of poems relating to celestial objects and phenomena.

Astrologia: arte e cultura in età rinascimentale. Art and culture in the Renaissance. A cura di Daniele Bini. Testi di Ernesto Milano, Grazia Mirti, Leandro Ventura, Anna Rosa Venturi. Schede di Milena Luppi, Paola di Pietro, Paola Ortolani. Modena, Il Bulino, edizioni d'arte, 1996. 286 p. illus., facsims. (part col.), ports. (Il Giardino delle Esperidi, 5)

Italian and English in parallel columns.

Contents: 1. La cultura astrologica: cenni storici. The domain of astrology: some historical notes.—2. De Sphaera estense. The Este De Sphaera.—3. La cultura astrologica in età rinascimentale: testimonianze dai fondi della Biblioteca estense. Astrology in the Renaissance: testimonies from the Biblioteca estense.

Basinio, *da Parma*. Basinii Parmensis poetæ Astronomicon libri II. Edizione in fac-simile del Codice della Cassa di Risparmio di Rimini. Traduzione italiana di Marinella De Luca con una nota codicologica di Donatella Frioli e un saggio di Giordana Mariani Canova sull'apparato illustrativo del codice.

Rimini, Fondazione Cassa di Risparmio di Rimini, 1994. [78] p. of facsims., 253 p. illus., col. facsims.
Contents: pt. 1. Fac-simile del codice.—pt. 2. Traduzione italiana. Saggi.

Bertola, Francesco. Imago mundi: la rappresentazione del cosmo attraverso i secoli. Cittadella, Biblos, 1995. 231 p. illus. (part col.), facsims. (part col.), col. map.
Italian and English.
A French translation, *Imago mundi: la représentation de l'univers à travers les siècles*, was published in 1996 by La Renaissance du livre in Brussels.

Castiñeiras González, Manuel A. El calendario medieval hispano: textos e imágenes (siglos XI-XIV). Valladolid, Junta de Castilla y León, Consejería de Educación y Cultura, 1996. 335 p. illus., map. (Estudios de arte, no. 7)

Clay, Roger, *and* Bruce R. Dawson. Cosmic bullets: high energy particles in astrophysics. St. Leonards, NSW, Allen & Unwin, 1997. 194 p. illus. (Frontiers of science)
"These particles are in many ways deeply mysterious. Despite a century of intensive research, it is still far from certain where they come from or the way they were created. Nevertheless, the little-known story of their discovery and subsequent study has many intriguing twists and wonderful surprises."

Cramer, Frederick H. Astrology in Roman law and politics. Chicago, Ares Publishers, 1996. 291 p. illus., geneal. tables, map, ports.
Reprint of a work published in 1954 by the American Philosophical Society in Philadelphia, as v. 37 of its *Memoirs*.

David, Ferdinand. La cathédrale de Strasbourg et l'astrologie. Monaco, Éditions du Rocher, 1992. 202 p., [8] p. of plates. illus. (L'Homme et l'univers)
"Ce livre aborde, pour la première fois, la place de l'astrologie dans l'extraordinaire renouveau intellectuel et artistique des XII^{e} et XIII^{e} siècles, et plus particulièrement dans l'art gothique."

Dershowitz, Nachum, *and* Edward M. Reingold. Calendrical calculations. Cambridge, New York, Cambridge University Press, 1997. xxi, 307 p. illus., facsims.
"This volume will be a valuable resource for working programmers, as well as a source of useful algorithmic tools for computer scientists. It also includes a wealth of historical material of value to anyone interested in chronology."

Duteuil, Jean P. Le mandat du ciel: le rôle des jésuites en Chine, de la mort de François-Xavier à la dissolution de la Compagnie de Jésus (1552–1774). Préf. de Jean Delumeau. Paris, $\alpha\rho$ éditions-Arguments, 1994. 411 p. illus.
Partial contents: 5. ptie. Vers la pensée scientifique universelle. ch. 1. Mesurer le temps, mesurer l'espace. 1. L'horlogerie: pendules et automates.—2. De l'astrologie à l'astronomie. a. Un besoin spécifique: des missionaires astronomes. b. La découverte des techniques chinoises et la fabrication d'un matériel scientifique. c. L'arrivée des Qing et les difficultés du Père Schall. d. La défense d'une astronomie scientifique, de Ferdinand Verbiest à la fin de la Mission.—3. De l'astronomie à la chronologie. a. La Chine et les origines de l'humanité. b. Le Déluge, l'Egypte et la Chine.

En toch was ze rond ... Middeleeuws mens- en wereldbeeld. Brussel, Universitaire Faculteiten Sint-Aloysius—Gemeentekrediet, 1990. 191 p. illus. (part col.), facsims. (part col.), maps (part col.), ports. (part col.)
Produced to accompany an exhibition held in Brussels, Mar. 3-Apr. 28, 1990.

Encyclopaedia of the history of science, technology, and medicine in non-Western cultures. Editor, Helaine Selin. Dordrecht, Boston, Kluwer Academic Publishers, 1997. 1117 p. illus. (1 col.)
Provides a wealth of material relating to astronomy, astronomical instruments, astrology,

navigation, and calendars, as well as biographical sketches of individual astronomers. While the index lists many relevant topics under the heading Astronomy, others (including the names of astronomers) can be found among the cross references at the end of most essays.

The general articles on astronomy are listed below as an indication of the range of coverage and contributors.

Partial contents: Culver, R. B. Astronomy.—Doyle, L. R., and E. W. Frank. Astronomy in Africa.—Krupp, E. C. Astronomy in native North America.—Haynes, R. D. Astronomy of the Australian aboriginal people.—Ho, P. Y. Astronomy in China.—De Young, G. Astronomy in Egypt.—Langermann, Y. T. Astronomy of the Hebrew people.—Sarma, K. V. Astronomy in India.—Ammarell, G. Astronomy in the Indo-Malay archipelago.—King, D. A. Astronomy in the Islamic world.—Macri, M. J. Astronomy in Mesoamerica.—Ohashi, Y. Astronomy in Tibet.

Encyclopedia of planetary sciences. Edited by James H. Shirley and Rhodes W. Fairbridge. London, New York, Chapman & Hall, 1997. xxx, 990 p., [32] p. of plates. illus. (part col.), maps (part col.), ports. + 1 computer laser optical disk (4¾ in.)

In addition to two general articles, "History of Planetary Science I: Pre-Space Age," by Patrick Moore, and "History of Planetary Science II: Space Age," by James A. Van Allen, there is a short article on archaeoastronomy by David S. P. Dearborn, and many other articles include treatment of historical aspects. There are also numerous biographical sketches, a list of which can be found on p. 943.

The CD-ROM contains "over 200 relevant planetary and related images and a review of planetary data available from NASA ... specially compiled for the *Encyclopedia* by the United States National Space Science Data Center."

Felsbild·u.·Sternbild II· und ausgewählte Kapitel aus: "Sie sahen die Sterne von Miroslav Ksiča." Graz, GE.FE.BI, 1995. 114 p. illus., maps. (X. Jahrbuch der Gesellschaft für vergleichende Felsbildforschung, 1995/96)

Partial contents: Ksiča, M. Sie sahen die Sterne.—Wanke, L. Erläuterungen zu den Ksica angeführten Termini von der GE.FE.BI.—Wanke, L. Zusammenfassung: Überblick über die Solartiere.—Wanke, L. Weiterführende Literatur Himmelskundlicher Vorgeschichte.—Evers, D. Orientierung früher Seefahrer.—Läntzsch, C., and M. Läntzsch. Astronomisch deutbare Felsbilder in Amerika als Ausdruck indianischer Mythologie.

Fernández Castro, Telmo. Historias del universo. Madrid, Espasa, 1997. 320 p. illus. (Espasa hoy)

Contents: Introducción.—1. El universo a través de los ojos y de la mente.—2. Una forma "diferente" de mirar el cielo.—3. Los nuevos "límites" del universo.

Giraud, Fabienne. Recherche des périodicités astronomiques et des fluctuations du niveau marin à partir de l'étude du signal carbonaté des séries pélagiques alternantes. Application au Crétacé inférieur du sud-est de la France (bassin vocontien), de l'Atlantique Central (site 534 DSDP) et du golfe du Mexique (site 535 DSDP). Villeurbanne, Centre des sciences de la terre, Université Claude-Bernard, Lyon I, 1995. 279 p. illus., maps. (Documents des Laboratoires de géologie Lyon, no 134)

Studies of marl-limestone alternations at the sites indicated show a linkage to cyclic variations of the earth's orbit.

Abstract in English.

Gordon, Richard. Image and value in the Graeco-Roman world; studies in Mithraism and religious art. Aldershot, Hants, Variorum; Brookfield, Vt., Ashgate Pub. Co., 1996. [324], 6, 4, 2 p. illus., plan, port. (Collected studies series, C551)

Partial contents: 3. Mithraism and Roman society: social factors in the explanation of religious change in the Roman empire (1972).—4. Authority, salvation and mystery in the Mysteries of Mithras (1988).—6. The sacred geography of a *mithræum*: the example of Sette Sfere (1976).

See additions and corrections to these three papers on p. 1–5 (2d group).

Harford, James J. Korolev: how one man masterminded the Soviet drive to beat America to the moon. New York, J. Wiley, 1997. xviii, 392 p., [16] p. of plates. illus., ports.

A History of scientific thought; elements of a history of science. Edited by Michel Serres. Translated from the French. Oxford, Cambridge, Mass., Blackwell Reference, 1995. 760 p. illus., maps.

Translation of *Éléments d'histoire des sciences*.

Partial contents: Serres, M. Gnomon: the beginnings of geometry in Greece.—Benoît, P., and F. Micheau. The Arab intermediary.—Stengers, I. The Galileo affair.—Authier, M. Refraction and Cartesian 'forgetfulness.'

Houtman, Cornelis. Der Himmel im Alten Testament. Israels Weltbild und Weltanschauung. Leiden, New York, E. J. Brill, 1993. 401 p. (Oudtestamentische Studiën, deel 30)

Ibarra Grasso, Dick E. La ciencia antigua y los zodíacos del Viejo Mundo y América. Buenos Aires, Editorial Kier, 1995. 573 p. illus.

Contents: Introducción.—cap. 1. La navegación y la astronomía en Micronesia.—cap. 2. La navegación y la astronomía en Polinesia.—cap. 3. La navegación y la astronomía árabe oriental.—cap. 4. Medidas, calendarios y astronomía antiguas.—cap. 5. La más antigua ciencia astronómica y astrológica.—cap. 6. Conjunto de los zodíacos en el Viejo Mundo.—cap. 7. El zodíaco lunar en América del Norte.—cap. 8. La astronomía mesoamericana.—cap. 9. Astronomía y calendarios andinos.—Conclusiones.

International Astronomical Union. Asian-Pacific Regional Meeting, *7th, Pusan, 1996*. Proceedings. Pusan, Pusan National University Press, 1996. S1–S462 p. illus. (Journal of the Korean Astronomical Society, v. 27, Suppl.)

Partial contents: Park, C. Analysis of the Korean celestial planisphere: Ch'on-Sang-Yul-Cha-Bun-Ya-Ji-Do.—Han, Y., and P. Zhang. Timing records of ancient lunar eclipses in China and long-term variation of the earth's spin speed.—Xu, Z., and Y. Jiang. On the astronomy of oracle bone inscriptions.—Zhou, H., W. Zhuang, and Y. Wang. A study of Chinese ancient cometary records.

Lang, Harry G., *and* Bonnie Meath-Lang. Deaf persons in the arts and sciences, a biographical dictionary. Westport, Conn., Greenwood Press, 1995. xvii, 424 p. ports.

See the sketches of Robert Grant Aitken (p. 1–3), Annie Jump Cannon (p. 63–67), John Goodricke (p. 150–155), Olaf Hassel (p. 175–178), Henrietta Swan Leavitt (p. 219–221), and Konstantin Eduardovich Tsiolkovsky (p. 358–362).

Le Contel, Jean M., *and* Paul Verdier. Un calendrier celtique: le calendrier gaulois de Coligny. Paris, Éditions Errance, 1997. 88 p. illus. (Archéologie aujourd'hui)

Leitz, Christian. Studien zur ägyptischen Astronomie. 2., verb. Aufl. Wiesbaden, O. Harrassowitz, 1991. 108 p. illus. (Ägyptologische Abhandlungen, Bd. 49)

"Für die Neuauflage wurde die seither erschienene Literatur, soweit sie mir bekannt geworden ist, eingearbeitet. Änderungen ergaben sich hauptsächlich in den Kapiteln X und XII, in geringerem Mass auch in Kapitel I, in den übrigen Kapiteln handelt es sich meist nur um Verbesserungen der Tippfehler."

Leitz, Christian. Tagewählerei. Das Buch *ḥ3t nḥḥ ph.wy ḏt* und verwandte Texte. Wiesbaden, Harrassowitz, 1994. 2 v. facsims. (part fold.) (Ägyptologische Abhandlungen, Bd. 55)

Contents: Textband.—Tafelband.

Provides hieroglyphic texts, transcriptions, translations, and commentary, in an effort to improve understanding of the ancient Egyptian calendar system.

Lerner, Michel P. Le monde des sphères. 2. La fin du cosmos classique. Paris, Les Belles lettres, 1997. 418 p. facsims. (L'Ane d'or)

Contents: 1. ptie. La disparition des sphères planétaires.—2. ptie. La sphère des étoiles fixes.

Lupato, Giovanni. SN1054. Una supernova sul Medioevo. Padova, Biroma [1996?] 224 p. illus.

Mathematische Probleme im Mittelalter. Der lateinische und arabische Sprachbereich. Hrsg. von Menso Folkerts. Wiesbaden, Harrassowitz Verlag in Kommission, 1996. 449 p. illus., facsims. (Wolfenbütteler Mittelalter-Studien, Bd. 10)

Partial contents: King, D. A. The neglected astrolabe.—Lorch, R. P. The transmission of Theodosius' *Sphærica*.—Kunitzsch, P. Erfahrungen und Beobachtungen bei der Arbeit mit Texten der arabisch-lateinischen Übersetzungsliteratur (Mathematik/Astronomie).—Kaunzner, W. Über einige Zusammenhänge zwischen lateinischen und deutschen mathematischen Texten, die auf arabische Quellen zurückgehen.

Medieval cosmologies. Edited by J. M. M. H. Thijssen. Leiden, E. J. Brill, 1997. 107–213 p. (Early science and medicine, v. 2, no. 2)

Contents: Thijssen, J. M. M. H. Introduction.—Gutman, O. On the fringes of the *Corpus Aristotelicum*: the pseudo-Avicenna *Liber celi et mundi*.—Grant, E. Celestial motions in the late Middle Ages.—Rudarsky, T. M. Philosophical cosmology in Judaism.—Langermann, Y. T. Arabic cosmology.

Moore, Patrick. Eyes on the universe: the story of the telescope. London, New York, Springer, 1997. 114 p. illus. (part col.), facsims., col. ports.

Includes a chronology of telescope history (p. 109–110).

Nicolaus, *de Paganica*. Compendium medicinalis astrologiæ. Ediz. intr. e note a cura di Giuseppe dell'Anna. Galatina, Congedo editore, 1990. 171 p. facsims.

Oort, Jan Hendrik. The letters and papers of Jan Hendrik Oort as archived in the University Library, Leiden. By J. K. Katgert-Merkelijn. Dordrecht, Boston, Kluwer Academic Publishers, 1997. xxx, 198 p. illus., facsims., ports. (Astrophysics and space science library, v. 213)

Includes a list of Oort's publications (p. 161–172).

"A Short Biography of Jan Hendrik Oort": p. xv-xxx.

A portrait of Oort, painted in 1987 by Gerard de Wit, is reproduced in color on the front cover of the volume.

Ottewell, Guy. Albedo to zodiac: a glossary of astronomical names and terms with their pronunciation, origin, and meaning. Greenville, S.C., Universal Workshop, Furman University, 1996. 64 p. illus.

Ovid. Ovid's Fasti: Roman holidays. Translated with notes and introd. by Betty Rose Nagle. Bloomington, Indiana University Press, 1995. 209 p.

"Written at the end of the first century B.C., the *Fasti* includes religious festivals, historical anniversaries, and astronomical lore from January through June. A valuable source of information about the Roman calendar ..."

Les Poètes et l'univers; anthologie. Jean-Pierre Luminet [compilateur] Paris, Cherche midi, 1996. 427 p. (Collection "Espaces")

Religión y sociedad en el área Maya. Edición de Carmen Varela Torrecilla, Juan Luis Bonor Villarejo, Yolanda Fernández Marquínez. Madrid, Sociedad Española de Estudios Mayas, Instituto de Cooperación Iberoamericana, 1995. 327 p. illus., plans. (Sociedad Española de Estudios Mayas. Publicaciones, no. 3)

Proceedings of the IV Mesa Redonda Internacional, Sociedad Española de Estudios Mayas, held in Madrid, Nov. 29-Dec. 1, 1993.

Partial contents: Graulich, M. Una posible explicación del punto de partida de la cuenta larga.—Nieves, L. M., L. Esparza, and P. Nieto. Trabajos arqueológicos en la Plaza Central de Calakmul, Campeche, México.—Amador Naranjo, A. La desaparición del sol en Yucatán.—Nájera Coronado, M. I. El temor a los eclipses entre comunidades mayas contemporáneas.

Schechner Genuth, Sara. Comets, popular culture, and the birth of modern cosmology. Princeton, N.J., Princeton University Press, 1997. xvi, 365 p. facsims.

Schlosser, Wolfhard, *and* Jan Cierny. Sterne und Steine. Eine praktische Astronomie der Vorzeit. Darmstadt, Wissenschaftliche Buchgesellschaft, 1996. 178 p., [8] p. of plates. illus.

Schmidt, Erik. Optical illusions: the life story of Bernhard Schmidt, the great stellar optician of the twentieth century. Tallinn, Estonian Academy Publishers, 1995. 159 p., [48] p. of plates. illus., ports.

Simon, Gérard. Sciences et savoirs aux XVI^{e} et XVII^{e} siècles. Lille, Presses universitaires du Septentrion, 1996. 223 p. illus., facsims., ports. (Histoire des sciences)

See particularly the chapters entitled "L'Astrologie dans la pensée du XVI^{e} siècle," "Kepler ou les leçons d'un contre-exemple en épistémologie," and "Le *Songe* de Kepler" p. 63–112).

Stephenson, F. Richard. Historical eclipses and Earth's rotation. Cambridge, New York, Cambridge University Press, 1997. xvi, 557 p. illus., maps.

"The study of Earth's past rotation is just one of several modern scientific disciplines in which ancient and medieval astronomical observations play a major role. It is particularly satisfying that observations from a wide variety of early cultures made using different techniques can be integrated into a viable entity."

Contents: 1. Variations in the length of the day: a historical perspective.—2. Tidal friction and the ephemerides of the Sun and Moon.—3. Pre-telescopic eclipse observations and their analysis.—4. Babylonian and Assyrian records of eclipses.—5. Investigation of Babylonian observations of solar eclipses.—6. Timed Babylonian lunar eclipses.—7. Untimed Babylonian observations of lunar eclipses: horizon phenomena.—8. Chinese and other East Asian observations of large solar eclipses.—9. Other East Asian observations of solar and lunar eclipses.—10. Records of eclipses in ancient European history.—11. Eclipse records from medieval Europe.—12. Solar and lunar eclipses recorded in medieval Arab chronicles.—13. Observations of eclipses by medieval Arab astronomers.—14. Determination of changes in the length of the day.

Sterne, Mond, Kometen: Bremen und die Astronomie. Zum 75. Jahrestag der Gründung der Olbers-Gesellschaft Bremen e.V. Hrsg. von Peter H. Richter. Bremen, Verlag H. M. Hauschild, 1995. 327 p. illus., facsims., plans, ports.

Contents: 1. Klassische Astronomie. Gutzwiller, M. C. Newton und die vielen Bewegungen des Mondes. Olbers, W. Ueber die Möglichkeit, dass ein Comet mit der Erde zusammenstossen könne. Kasten, V. Wilhelm Olbers und die Kometen. Richter, P. H. Himmel so hell wie 90 000 Sonnen—das Olberssche Paradoxon.—2. Die Gründerjahre der Olbers-Gesellschaft. Müller, A. Max Völkel: erster Präsident der Olbers-Gesellschaft. Wattenberg, D. Wilhelm Finke: Pädagoge und Physiker. Finke, F. Der Grundgedanke der Lösung war ... —3. Arbeit und Leben in der Olbers-Gesellschaft. Sixt, E. P. "Stein-Zeit." Leue, H. J. Himmlische Zeiten: 40 Jahre Amateur-Astronomie in der Olbers-Gesellschaft. Jaeckel, W. Spiegelschleifen als Hobby, damals und heute. Dierks, H. Philipp Fauths Mondatlas.—4. Mensch, Zeit und Kosmos. Egen, A. Das Spronser Bergheiligtum bei Meran: die älteste Sternwarte der Menschheit in situ? Landscheidt, T. Die kosmische Funktion des Goldenen Schnitte. Vornholz, D. Bremer Sonnenuhren: eine Einführung in die Messung der Sonnenzeit.—Ein Singspiel von Malvina Elisabeth Schütte, geb. Focke. Olbers und die Zeit auf Besuch bei Carl Schütte.

Tannery, Paul. Recherches sur l'histoire de l'astronomie ancienne. Sceaux, J. Gabay, 1995. 370 p. illus.

Facsimile reprint of the edition published in 1893 by Gauthier-Villars in Paris as 4. sér., t. 1 of the *Mémoires* of the Société des sciences physiques et naturelles de Bordeaux.

Contents: 1. Ce que les Hellènes ont appelé astronomie.—2. Ce que les Hellènes ont appelé astrologie.—3. Les mathématiciens alexandrins.—4. Les postulats de l'astronomie d'après Ptolémée et les auteurs élémentaires.—5. La sphéricité de la terre et la mesure de sa circonférence.—6. Le mouvement général des planètes.—7. Les cercles de la sphère.—8. La longueur de l'année solaire.—9. Les tables du soleil.—10. Les périodes d'Hipparque pour les mouvements lunaires.—11. Les tables de la lune.—12. Les parallaxes de la lune et du soleil.—13. Les prédictions d'éclipses.—14. La théorie des planètes.—15. Le catalogue des fixes.—Appendice. 1. Traduction de la *Didascalie céleste* de Leptine (Art d'Eudoxe). 2. Vie d'Eudoxe d'après Diogène Laërce. 3. Sur la trigonométrie des anciens. 4. La grande année de Josèphe. 5. Sur les opinions conjecturales des anciens concernant les distances des planètes à la terre. 6. Par M. Carra de Vaux. Les sphères célestes selon Nasîr Eddîn Attûsî. Errata.

Textes et contexts in ancient and medieval science. Studies on the occasion of John E. Murdoch's seventieth birthday. Edited by Edith Sylla and Michael McVaugh. Leiden, New York, E. J. Brill, 1997. xxxii, 330 p., [5] p. of plates. facsims., port. (Brill's studies in intellectual history, v. 78)

Partial contents: De Groot, J. Eudoxan astronomy and Aristotelian holism in the *Physics*.—Molland, G. Roger Bacon's *De laudibus mathematicae*: a preliminary study.—Grant, E. Nicole Oresme, Aristotle's *On the Heavens*, and the court of Charles V.—Cadden, J. Charles V, Nicole Oresme, and Christine de Pizan: unities and uses of knowledge in fourteenth-century France.—Shank, M. H. Academic consulting in fifteenth-cdntury Vienna: the case of astrology.

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R. S. Freitag
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