

RECENT PUBLICATIONS RELATING TO THE HISTORY OF ASTRONOMY

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Library of Congress

November 1995

— Books and Pamphlets —

Alfonso X, *King of Castile and Leon*. Astromagia. Ms. Reg. lat. 1283a. A cura di Alfonso d'Agostino. Napoli, Liguori editore, 1992. 462 p. illus., facsims. (Barataria, 6)

Spanish text with Italian translation on facing pages.

Andrillat, Henri. *L'univers sous le regard du temps; la cosmologie théorique moderne et ses racines*. Préf. de J. Merleau-Ponty. Paris, Masson, 1993. 269 p. illus. (Collection De caelo)

Table of contents also in English.

Contents: 1. L'aube mythique.—2. L'éveil de la raison.—3. La révolution des révolutions.—4. Deux noms, deux génies.—5. Einstein et la relativité du temps. La relativité restreinte.—6. Einstein et la relativité de l'espace. La relativité générale.—7. Einstein et la gravitation.—8. Einstein et la cosmologie.—9. La loi de Hubble.—10. La cosmologie de Robertson-Walker.—11. Les modèles d'univers de Friedman et la thèse du *big bang*.—12. Les preuves du *big bang*.—13. Le véritable *big bang*. L'inflation de l'espace.—14. Du rien au tout. La naissance quantique de l'Univers.

Apostolka, Aline. *Mille et mille lunes. Tout ce que vous avez voulu savoir sur la Lune vous est ici raconté*. Paris, Mercvre de France, 1992. 287 p. illus. (Collection L'Avenir sans peine)

Arias de Greiff, Jorge. *La astronomía en Colombia*. Santafé de Bogotá, Academia Colombiana de Ciencias Exactas, Físicas y Naturales, 1993. 196 p. illus. (part col.). facsims., maps, ports. (part col.) (Colección Enrique Pérez Arbeláez, no. 8)

Beeson, David. *Maupertuis: an intellectual biography*. Oxford, Voltaire Foundation at the Taylor Institution, 1992. 304 p. (Studies on Voltaire and the eighteenth century, 299)

"Appendix: Maupertuis's Mathematical Analysis of Point-Mass Collisions": p. 273–276.

Brissoni, Armando. *Galileo e Campanella*. Este, Isonomia, 1994. 216 p. facsims. (La Memoria e il presente)

Broughton, R. Peter. *Looking up: a history of the Royal Astronomical Society of Canada*. Toronto, Dundurn Press, 1994. xiv, 288 p. illus., map, ports.

Chambers Scottish biographical dictionary. Editor, Rosemary Goring. Edinburgh, New York, Chambers, 1992. xl, 468 p.

A preliminary section entitled "Biographies by Subject" lists 28 names under the heading "Astronomy," as follows: Robert Blair (1748–1828), Sir Thomas Makdougall Brisbane, Hermann Alexander Brück, Ralph Copeland, James Ludovic Lindsay, 26th Earl of Crawford, Thomas

Dick, James Ferguson, Williamina Paton Fleming, George Forbes, David Gill, Robert Grant, James Gregory, Thomas Henderson, John Jackson, Johann von Lamont, Malcolm Sim Longair, Hector Copland Macpherson, Norman Graham Matthew, James Nasmyth, John Pringle Nichol, Archie Roy, Flora Munro Sadler, Michael Scott (c. 1175–c. 1230), James Short, Charles Piazzi Smyth, Balfour Stewart, Alexander Thom, and Alexander Wilson (1714–1786).

Christianson, Gale E. *Edwin Hubble, mariner of the nebulæ*. New York, Farrar, Straus and Giroux, 1995. 420 p., [8] p. of plates. illus., ports.

Clagett, Marshall. *Ancient Egyptian science, a source book*. v. 2. *Calendars, clocks, and astronomy*. Philadelphia, American Philosophical Society, 1995. xiv, 575, [147] p. illus., map.

Partial contents: pt. 1. *Calendars, clocks, and astronomy*. Introduction to Egyptian calendars. Parker's account of the old lunar calendar. The later lunar calendar. The origin of the civil calendar. Sothic dates and the Ebers Calendar. The night hours. Decanal clocks. Transit decanal clocks. The Ramesside star clock. Outflow water clocks. Inflow water clocks. Shadow clocks. Egyptian sundials. Traces of a 24-hour day with equal hours. Astronomical ceilings and other monuments. The ceiling of the secret tomb of Senmut. The vaulted ceiling of Hall K in Seti I's tomb. Egyptian zodiacs. Conclusion. Notes.—pt. 2. *Documents*. .

Convegno di studio promosso nell'ambito delle celebrazioni galileiane indette dall'Università degli studi di Padova, *Venice, 1992. Galileo Galilei e la cultura veneziana*. Atti del Convegno di studio promosso nell'ambito delle celebrazioni galileiane indette dall'Università degli studi di Padova (1592–1992), Venezia, 18–20 giugno 1992. Venezia, Istituto veneto di scienze, lettere ed arti, 1995. 421 p. illus.

Partial contents: Sosio, L. *Galileo Galilei e Paolo Sarpi*.—Altieri Biagi, M. L. *L'incipit del Dialogo sopra i massimi sistemi*.—Barone, F. *Galileo e Copernico*.

Copernico, Galilei e la Chiesa: fine della controversia (1820). Gli atti del Sant'Uffizio. A cura di Walter Brandmüller e Egon Johannes Greipl. Firenze, L. S. Olschki, 1992. 495 p., [16] p. of plates. facsims., ports.

Cramer, Friedrich. *Der Zeitbaum, Grundlegung einer allgemeinen Zeittheorie*. Frankfurt am Main, Insel Verlag, 1993. 283 p. illus.

Contents: 1. Die Zeit im Denken—zur Geschichte des Zeitbegriffs.—2. Kosmische Zeit.—3. Lebenszeit.

D'Addio, Mario. *Il caso Galilei: processo, scienza, verità*. Roma, Edizioni Studium, 1993. 237 p. (Nuova universale studium, 70)

Contents: I. Il processo del 1616.—II. Il processo del 1633.

First published as "Considerazioni sui processi a Galileo" in *Rivista di storia della Chiesa in Italia*, anno 37, genn./giugno 1983, p. 1–52, and anno 38, genn./giugno 1984, p. 47–114.

Eclipse de sol en Bolivia. El inti jiwaña del 3 noviembre de 1994. Editor: Francisco Zaratti. La Paz, Planetario UMSA, 1994. 148 p. illus. (part col.), maps (part col.)

Partial contents: Teuliére, G. El dios devorado: mitologías del eclipse y otros demonios.—La Torre, M. de. Muerte del sol—inti jiwaña.—Pereira Q., G. Prediciendo eclipses.—Pereira Q., G. Sentimientos de eclipse.—Nogales Vera, J. El eclipse que destronó la cosmovisión del universo newtoniano.—Raljevic, M. Agustín Aspiazu [1827–1897] y el eclipse de 1994.—Vallejos S., J. V. Famosos eclipses en Bolivia durante el presente siglo.—Mejía, G. R. El eclipse total de sol de 1966 [en Bolivia]

Der Einsteinturm in Potsdam: Architektur und Astrophysik. Hrsg. vom Astrophysikalischen Institut Potsdam. Redaktion: Barbara Eggers. Berlin, Ars Nicolai, 1995. 159 p. illus., facsimis., maps, plans, ports.

"Begleitband zur Ausstellung 'Vom Grossen Refraktor zum Einsteinturm.'"

Contents: Reiche, S. Grusswort.—Rädler, K. H. Vorwort.—Freundlich, E. F. Statt einer Einleitung.—Eggers, B. Die Geschichte des Telegrafenberg in Potsdam bis 1900.—Jäger, F. W. Der Einsteinturm und die Relativitätstheorie.—Hentschel, K. Physik, Astronomie und Architektur—der Einsteinturm als Resultat des Zusammenwirkens von Einstein, Freundlich und Mendelsohn.—Achenbach, S. "Das Gesicht dem Andern eindeutig zu machen, das ist Alles." Erich Mendelsohns Skizzen zum Einsteinturm.—Eggers, B. Der Einsteinturm —die Geschichte eines "Monumentes der Wissenschaft."—Staude, J. Sonnenforschung am Sonnenobservatorium Einsteinturm des Astrophysikalischen Instituts Potsdam.—Krausse, J. Vom Einsteinturm zum Zeiss-Planetarium. Wissenschaftliches Weltbild und Architektur.—Pehnt, W. "Der Expressionismus in der Architektur"—Erich Mendelsohn vor und nach dem Einsteinturm.—Posener, J. Erich Mendelsohns Einsteinturm.

Elgarøy, Øystein, and Øivind Hauge. Svein Rosseland: fra hans liv og virke. Oslo, Institutt for teoretisk astrofysikk, Universitetet i Oslo, 1994. 84 p. illus.

Engelen, Eva M. Zeit, Zahl und Bild; Studien zur Verbindung von Philosophie und Wissenschaft bei Abbo von Fleury. Berlin, New York, W. de Gruyter, 1993. 171 p. illus. (Philosophie und Wissenschaft, Bd. 2)

Fauth, Philipp. Philipp Fauth—Leben und Werk. Aus dem autobiographischen Nachlass zusammengestellt von Hermann Fauth. Hrsg. von Freddy Litten. München, Institut für Geschichte der Naturwissenschaften, 1993. 297 p. (Algorismus, Heft 9)

Feldhay, Rivka. Galileo and the Church: political inquisition or critical dialogue? Cambridge, New York, Cambridge University Press, 1995. 303 p.

Ferrari d'Occhieppo, Konradin. Der Stern von Bethlehem in

astronomischer Sicht: Legende oder Tatsache? Dem Andenken an den grossen Erforscher der Sternkunde Otto Neugebauer (26. Mai 1899–19. Februar 1990). 2., erw. Aufl. Giessen, Brunnen-Verlag, 1994. 186 p. illus. (Studien zur biblischen Archäologie und Zeitgeschichte, Bd. 3)

Fontenelle. Actes du colloque tenu à Rouen du 6 au 10 octobre 1987. Publiés par Alain Niderst. Préf. de Jean Mesnard. Paris, Presses universitaires de France, 1989. 710 p.

Partial contents: Mathieu-Kerns, L., and M. A. Nusimovici. 1686–1687. L'odyssey de l'espace, Fontenelle ou le génie de la vulgarisation scientifique.—Mortureux, M. F. Les enjeux de l'entreprise de Fontenelle dans les "Entretiens sur la pluralité des mondes."—Lopez, D. Discours savant et style mondain: les "Entretiens sur la pluralité des mondes" au centre d'une tradition de l'échange.—Grenet, M. Fontenelle et l'astrologie.—Dubois, E. La question de la pluralité des mondes: Fontenelle et les hommes de sciences du XVII^e siècle en Angleterre.—Appendice I. Dubu, J. Petite note sur Campanella, l'horoscope de Louis XIV, Racine et Copernic.

Das 500 [Fünfhundert] jährige Jubiläum der Krakauer Studienzeit von Nicolaus Copernicus. Hrsg.: Internationales Kulturzentrum. Wissenschaftliche Redaktion: Jerzy Wyrozumski. Kraków, "Secesja," 1993. 164 p. illus., facsimis., maps, port. (Wissenschaft, Nr. 3)

Contents: Wyrozumski, J. Vorwort.—Biskup, M. Thorn in der Zeit des Copernicus.—Wyrozumski, J. Krakau zur Zeit des Studiums von Nicolaus Copernicus.—Kunze, K. Die politische, wirtschaftliche und kulturelle Situation Nürnb ergs zur Zeit von Copernicus.—Nowak, Z. H. Nicolaus Copernicus als Schüler der Stadtschule St. Johannes in Thorn und des Partikular-Studiums in Kulm.—Zwiercan, M. Die Krakauer Lehrmeister von Nicolaus Copernicus.—Adam, A. Nicolaus Copernicus und die I. Wiener mathematische und astronomische Schule.—Pohl, E. Regiomontanus—Vorläufer des Copernicus.—Schmeidler, F. Die Vorgeschichte und Probleme bei der Veröffentlichung des Hauptwerkes von Copernicus in Nürnberg.—Klētnieks, J., and T. Romanovskis. Copernicus und Lettland.—Borawska, T. Zur Copernicus' Rezeption in Schweden.—Cynarski, S. Das Problem der Verbreitung der copernicanischen Lehre im 17. Jahrhundert.—Maltek, J. Hat Nicolaus Copernicus Polnisch gesprochen?

Galileo ritrovato. [Editors: Paolo Bisogno, Augusto Forti] Introduzione di Augusto Forti. Milano, FrancoAngeli, 1993. 111 p. illus. (Prometheus, n. 14)

Contents: Mayor, F. Galileo ritrovato.—Gillies, D. A. Il ruolo del cannocchiale nel trionfo della teoria copernicana.—Puppi, G. Galileo e la nuova astronomia.—Castellani, G. Galileo: scienza, fede, varietà.—Daudel, R. Scienza, religioni, filosofie, ideologie.—Lecourt, D. Galileo e l'infinito.—Biggins, S. Il Gran Maestro Toscano coi vetri industri: l'influenza di Galileo su John Milton.—Bertrán, J. Alcune riflessioni sul processo a Galileo.—Bisogno, P. Galileo: scienza e potere.—Giorello, G. Galileo, l'artista toscano.

Garcés Contreras, Guillermo. Pensamiento matemático y astronómico en el México precolombino. 2. ed. México,

Instituto Politécnico Nacional, 1990. 360 p., [11] leaves of plates. illus.

Contents: 1. pte. Los numerales en las civilizaciones del Viejo y del Nuevo Mundo.—2. pte. La tradición matemática y astronómica mesoamericana.—3. pte. La madurez de la astronomía mesoamericana.

Gelehrtes Schwaben: Wissenschaftler aus und in Bayerisch-Schwaben vom Mittelalter bis ins 19. Jahrhundert. Ausstellung in der Zentralbibliothek der Universität Augsburg, 20. Dezember 1990 bis 2. Februar 1991. Redaktion: Gerhard Stumpf. Augsburg, Universitätsbibliothek Augsburg, 1990. 158 p. facsimis., ports.

Among the learned men of interest for the history of astronomy are Achilles Pirmen Gasser (1505–1577), p. 28–30; Johann Bayer (1572–1625), p. 84–85; Johann Engel (1463–1512), p. 86–87; Georg Tanstetter (1482–1535), p. 88–90; Cyprian Leovitius (1514–1574), p. 91–92; and Christoph Scheiner (1575–1650), p. 93–95.

The General history of astronomy. v. 2. Planetary astronomy from the Renaissance to the rise of astrophysics. pt. B. The eighteenth and nineteenth centuries. Edited by René Taton and Curtis Wilson. Cambridge, New York, Cambridge University Press, 1995. 281 p. illus., facsimis., maps, ports.

Contents: V. Early phases in the reception of Newton's theory. 14. Aiton, E. J. The vortex theory in competition with Newtonian celestial dynamics. 15. Chapin, S. L. The shape of the earth. 16. Waff, C. B. Clairaut and the motion of the lunar apse: the inverse-square law undergoes a test. 17. Wilson, C. The precession of the equinoxes from Newton to d'Alembert and Euler. 18. Forbes, E. G., and C. Wilson. The solar tables of Lacaille and the lunar tables of Mayer. 19. Waff, C. B. Predicting the mid-eighteenth-century return of Halley's Comet. Appendix: Wilson, C. Clairaut's calculation of the comet's return.—VI. Celestial mechanics during the eighteenth century. 20. Wilson, C. The problem of perturbation analytically treated: Euler, Clairaut, d'Alembert. 21. Wilson, C. The work of Lagrange in celestial mechanics. 22. Morando, B. Laplace.—VII. Observational astronomy and the application of theory in the late eighteenth and early nineteenth centuries. 23. Van Helden, A. Measuring solar parallax: the Venus transits of 1761 and 1769 and their nineteenth-century sequels. 24. Hoskin, M. The discovery of Uranus, the Titius-Bode law, and the asteroids. 25. Marsden, B. G. Eighteenth- and nineteenth-century developments in the theory and practice of orbit determination. 26. Sheynin, O. The introduction of statistical reasoning into astronomy: from Newton to Poincaré. 27. Schmeidler, F., with additions by O. Sheynin. Astronomy and the theory of errors: from the method of averages to the method of least squares.—VIII. The development of theory during the nineteenth century. 28. Morando, B. The golden age of celestial mechanics. Appendix: Laskar, J. The stability of the solar system from Laplace to the present.—IX. The application of celestial mechanics to the solar system to the end of the nineteenth century. 29. Morando, B. Three centuries of lunar and planetary ephemerides and tables. 30. Kozai, Y. Satellite ephemerides to 1900.

Geneva, Ann. Astrology and the seventeenth century mind: William Lilly and the language of the stars. Manchester, New

York, Manchester University Press; New York, Distributed exclusively in the USA and Canada by St Martin's Press, 1995. xxi, 298 p. illus., facsimis., port. (Social and cultural values in early modern Europe)

"The present study seeks only to enter into sympathy with the mentality which produced and honored astral prognosis."

Grenet, Micheline. La passion des astres au XVII^e siècle: de l'astrologie à l'astronomie. Préf. de Jean-Claude Pecker. Paris, Hachette, 1994. 295 p. illus. (La Vie quotidienne: l'histoire en marche)

The Harmony of the spheres; a sourcebook of the Pythagorean tradition in music. Edited by Joscelyn Godwin. Rochester, Vt., Inner Traditions International, 1993. 495 p. illus.

Contents: I. Classical.—II. Medieval.—III. Renaissance.—IV. Baroque.—V. Enlightenment and Romanticism.

A collection of 52 extracts, in or translated into English.

Herrmann, Dieter B. Kosmische Weiten. Kurze Geschichte der Entfernungsmessung im Weltall. 3., überarb. und erw. Aufl. Thun, H. Deutsch, 1990. 93 p. illus., ports.

Herrmann, Joachim. Bertelsmann Lexikon Astronomie. Hrsg. vom Lexikon-Institut Bertelsmann. Gütersloh, Bertelsmann Lexikon Verlag, 1993. 383 p. illus. (part col.), maps (part col.), ports. (part col.)

Hübner, Wolfgang. Grade und Gradbezirke der Tierkreiszeichen. Der anonyme Traktat De stellis fixis, in quibus gradibus oriuntur signorum. Stuttgart, B. G. Teubner, 1995. 2 v. facsim.

Contents: I. Quellenkritische Edition.—II. Kommentar.

Humboldt, Alexander von. Briefwechsel zwischen Alexander von Humboldt und Friederich Wilhelm Bessel. Hrsg. von Hans-Joachim Felber. Berlin, Akademie Verlag, 1994. 248 p. ports.

Ibn Bāṣuh, Abū 'Alī al-Ḥusayn. Risālat al-ṣafiha al-ŷāmi'a li ūyāmī' al-'urūd. (Tratado sobre la lámina general para todas las latitudes.) Edición crítica, traducción y estudio por Emilia Calvo Labarta. Madrid, Consejo Superior de Investigaciones Científicas, Instituto de Cooperación con el Mundo Árabe, 1993. 222, 191 p., [3] leaves of plates. illus., facsimis. (Fuentes árabico-hispanas, 13)

The Arabic text appears on p. 1–191 (2d group), and the Spanish translation, on p. 115–207.

James, Jamie. The music of the spheres: music, science, and the natural order of the universe. New York, Grove Press, 1993. xv, 262 p. illus., facsimis., music, ports.

Kepler, Johann. Ephémérides, ans 1617 à 1636 compris. Traduit pour la première fois du latin en français par Jean Peyroux. Paris, A. Blanchard, 1994. 724 p. illus.

Translation of *Ephemerides novae motuum coelestium*.

El Legado científico Andalusí. Museo Arqueológico Nacional, Madrid, abril-junio 1992. Proyecto y dirección del catálogo, Juan Vernet y Julio Samsó. Madrid, Ministerio de Cultura, Dirección General de Bellas Artes y Archivos; Ministerio de Asuntos Exteriores, Agencia Española de

Cooperación Internacional, Instituto de Cooperación con el Mundo Árabe, 1992. 340 p. illus. (part col.), col. facsimis.

Partial contents: Ensayos introductorios. North, J. D. Tablas astronómicas en al-Andalus. Samsó, J. Astronomía teórica en al-Andalus. Viladrich i Grau, M. Astrolabios andalusíes. Puig Aguilar, R. Instrumentos universales en al-Andalus. Comes, M. Los ecuatorios andalusíes. King, D. A. Los cuadrantes solares andalusíes. Forcada Nogués, M. Los libros de Anwā' en al-Andalus. Vernet Gines, J. La navegación en al-Andalus.—Fichas descriptivas. 1. Introducción. 2. La supervivencia de la ciencia isidoriana. 3. Las ciencias exactas: matemáticas y astronomía. 3.2. Astronomía: tablas y aportaciones teóricas de Azarquiel. 3.3. La simplificación del cálculo de posiciones planetarias: ecuatorios. 3.4. Calculadores esféricos destinados a resolver gráficamente problemas astronómicos. 3.5. Calculadores planos: astrolabios y azafeas. 3.6. Los instrumentos de observación que conocía Azarquiel en el siglo XI. 3.7. Instrumentos para determinar la hora. 3.8. Las críticas a Ptolomeo en el siglo XII. 6. Navegación. 6.1. Instrumental de navegación.

Mahbūbī, 'Ubayd Allāh ibn Mas'ūd. An Islamic response to Greek astronomy: Kitāb Ta'dīl hay'at al-aflāk of Ṣadr al-Shari'a. Edited with translation and commentary by Ahmad S. Dallal. Leiden, New York, E. J. Brill, 1995. 461 p. illus. (Islamic philosophy, theology and science: texts and studies, v. 23)

Arabic text and English translation on facing pages.

Mazal, Otto. Die Sternenwelt des Mittelalters. Graz, Akademische Druck- u. Verlagsanstalt, 1993. 168 p. illus. (part col.), facsimis. (part col.)

Contents: Der Kosmos des Mittelalters.—Die Sterne und das Göttliche.—Die Sphärenharmonie der Planeten.—Sternbilder und Sternsagen.—Die Macht der Sterne.—Der Rhythmus des Lebens.

Miller, Mary E., and Karl A. Taube. The gods and symbols of ancient Mexico and the Maya; an illustrated dictionary of Mesoamerican religion. New York, Thames and Hudson, 1993. 216 p. illus., map.

Includes articles on the calendar, celestial bird, directions, eclipse, Milky Way, moon, night, sky, skybands, sky bearers, stars and planets, sun, trecena, veintena, Venus, and yearbearers.

O'Boyle, Cornelius. Medieval prognosis and astrology: a working edition of *Aggregationes de crisi et creticis diebus*, with introd. and English summary. Cambridge, Wellcome Unit for the History of Medicine, 1991. 92 p. (Cambridge Wellcome texts and documents, no. 2)

The Latin text occupies p. 29–92.

Osservatorio ximeniano di Firenze. *Biblioteca*. La Biblioteca antica dell'Osservatorio ximeniano. Catalogo. A cura di Mauro Guerrini. Presentazione di Adriano Prosperi. Firenze, Regione toscana, Giunta regionale, 1994. 2 v. (816 p.) facsimis. (Toscana beni librari, 2)

"Catalogo delle edizioni": p. 37–608. "Catalogo delle manoscritti": p. 609–613.

There are indexes arranged by title, date, and language.

Petau, Denis. Antico calendario romano con l'indicazione

delle costellazioni che sorgono e tramontano: tratto dai Fasti di Ovidio; Columella, lib. 11., cap. 2; Plinio, NH, 18., cap. 26–30. Kalendarium vetus Romanum cum ortu occasuque stellarum: ex Ovidii Fastis; Columella, lib. 11., cap. 2; Plinio, NH, lib. 18., cap. 26–30. Dionysius Petavius. Testo originale latino con introduzione, traduzione e note di Massimiliano Kornmüller. Roma, Semar, 1992 [i.e. 1993] 25 p. illus. (Visioni, 3)

Pingree, David. The Grahajñāna of Āśādhara together with the Gaṇitacūḍamāṇi of Harihara. Aligarh, Viveka Publications, 1989. 58 p. (Aligarh oriental series, no. 10)

Critical study of two astronomical treatises on planetary motions. Includes text in Sanskrit.

Problemy postroeniia koordinatnykh sistem v astronomii. Posviashchaetsia 150-letiiu Pulkovskoi observatorii. I. Istorii otechestvennoi astronomii. Leningrad, Glavnaiia astronomicheskaiia observatoriia, 1989. (Seriia "Problemy issledovaniia vselennoi," vyp. 12) p. 10–69. illus., ports.

Contents: Zverev, M. S. Fundamental'naia astrometriia v Pulkovskoi observatorii za 150 let.—Nefed'eva, A. I. Tablitsy astronomicheskoi refraktsii, sozdannye v Rossii.—Dadaev, A. N. Astronom tragicheskoi sud'by (k 100-letiiu so dnia rozhdeniya B. P. Gerasimovicha).—Shakht, N. A. Aleksandr Nikolaevich Deich (1899–1986), k 90-letiiu so dnia rozhdeniya.

Rath, Valérie de. Georges Lemaître, le père du big bang. Bruxelles, Labor, 1994. 156 p. illus.

Revolutions in time; studies in ancient Egyptian calendrics. Anthony J. Spalinger, editor. San Antonio, Tex., Van Siclen Books, 1994. xvii, 107 p. illus. (Varia aegyptica. Supplement 6)

Contents: Spalinger, A. J. Preface.—Wells, R. A. Re and the calendars.—Luft, U. The date of the w3gy feast: considerations on the chronology of the Old Kingdom.—Spalinger, A. J. Thoth and the calendars.—Spalinger, A. J. Under the moon of earth.

The Sciences in Greco-Roman society. Edited by Timothy D. Barnes. Edmonton, Alta., Academic Print. & Pub., 1994. 123 p. illus. (Apeiron, v. 27, Dec. 1994)

"This volume contains the papers delivered at a colloquium held in April 1994 to mark one hundred and fifty years of the teaching of Classics at the University of Toronto. The papers testify to the originality and ability of the technical sciences in Late Antiquity; to the fundamental importance of astronomy in that period; and to the value and significance of studying ancient science in its own right and in its own time."

Partial contents: Jones, A. The place of astronomy in Roman Egypt.—Pingree, D. The teaching of the *Almagest* in late antiquity.—Beck, R. Cosmic models: some uses of Hellenistic science in Roman religion.

Sheehan, William. The immortal fire within: the life and work of Edward Emerson Barnard. Cambridge, New York, Cambridge University Press, 1995. xiv, 429 p. illus., ports.

Sinisgalli, Rocco. La prospettiva di Federico Commandino. Firenze, Edizioni Cadmo, 1993. 158 p. illus. (Domus perspectivae, 3)

Includes Latin text and Italian translation in parallel columns of *In planisphaerium Ptolemaei commentarius* (p. 53–113).

Sinigalli, Rocco, and Salvatore Vastola. *La rappresentazione degli orologi solari di Federico Commandino*. Firenze, Edizioni Cadmo, 1994. 245 p. illus. (Domus perspectivae, 4)

Includes Latin text and Italian translation in parallel columns of *De horologiorum descriptione* (p. 57–165).

Sinigalli, Rocco, and Salvatore Vastola. *La teoria sui planisferi universali di Guidobaldo del Monte*. Firenze, Edizioni Cadmo, 1994. 229 p. illus. (Domus perspectivae, 5)

Includes Latin text and Italian translation in parallel columns of *Planisphaeriorum universalium theoria* (p. 57–217).

Soldt, Wilfred H. van. *Solar omens of Enuma Anu Enlil: tablets 23 (24)–29 (30)*. Leiden, Nederlands Instituut voor het Nabije Oosten, 1995. 151 p., [15] p. of plates. illus. (Uitgaven van het Nederlands Historisch-Archaeologisch Instituut te Istanbul, 73)

Provides transcription and English translation of the tablets, with commentary.

Stevens, Wesley M. *Cycles of time and scientific learning in medieval Europe*. Aldershot, Hants., Brookfield, Vt., Variorum, 1995. [299], 4, 16 p. illus., facsim., port. (Collected studies series, CS482)

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