

## RECENT PUBLICATIONS RELATING TO THE HISTORY OF ASTRONOMY

Ruth Freitag  
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### — Books and Pamphlets —

Bach, Henri, Jean P. Rieb, and Robert Wilhelm. *Les trois horloges astronomiques de la cathédrale de Strasbourg*. Strasbourg, R. Hirlé, 1992. 240 p. illus. (part col.)

Barbera Azzarello, Maria, and Giorgia Foderà Serio. *Orologi ed orologi a Palermo*. Palermo, Sessorio editore, 1992. 184 p. illus. (Biblioteca siciliana di storia e letteratura. Quaderni, 66)

Barcaro, Francesco A. *Tre grandi Europei del Trecento: Pietro d'Abano, Jacopo e Giovanni de' Dondi dall'Orologio*. Roma, Panda edizioni, 1991. 129 p. illus., facsimis., ports.

Contents: Pietro da Abano, 1250–1315: filosofo, medico, astrologo.—Jacopo de' Dondi dall'Orologio, 1290–1359: filosofo, astronomo, medico.—Giovanni de' Dondi dall'Orologio, 1318–1389: filosofo, astronomo, medico.

Bauval, Robert G., and Adrian G. Gilbert. *The Orion mystery: unlocking the secrets of the pyramids*. New York, Crown Publishers, 1994. 325 p. illus., maps, plates, ports.

The god Osiris was associated with the constellation we know as Orion. Ancient Egyptian beliefs that their deceased rulers would join Osiris by becoming stars in that part of the sky, the authors argue, are expressed in the layout of the pyramids and in the four shafts found in the great pyramid of Cheops.

Bedini, Silvio A. *Science and instruments in seventeenth century Italy*. Aldershot, Hants., Brookfield, Vt., Variorum, [1992], [317], 4, 16 p. illus., facsimis., ports. (Collected studies series, CS449)

Contents: Preface.—1. The instruments of Galileo Galilei (1967).—2. The makers of Galileo's scientific instruments (1967).—3. The Galilean jovilabe (1986).—4. The tube of long vision (the physical characteristics of the early 17th century telescope) (1971).—5. The optical workshop equipment of Giuseppe Campani (1961).—6. On making telescope tubes in the 17<sup>th</sup> century (an anonymous Italian manuscript) (1962).—7. Seventeenth century Italian compound microscopes (1963).—8. La biblioteca di Bernardo Facini, fabbricante di strumenti scientifici a Venezia e Piacenza (1665–1731) (1984).—9. Introduction: the Vatican's astronomical paintings and the Institute of the Sciences of Bologna (1980).—10. Citadels of learning. The Museo Kircheriano and other seventeenth century Italian science collections (1986).—Addenda and corrigenda.

Bedini, Silvio A. *The trail of time: time measurement with incense in East Asia*. Shih-chien ti tsu-chi. Cambridge, New York, Cambridge University Press, 1994. xxiii, 342 p. illus.

Breuer, William B. *Race to the moon: America's duel with the Soviets*. Westport, Conn., Praeger, 1993. 222 p. illus., ports.

Campanella, Tommaso. *A defense of Galileo, the mathematician from Florence. Which is an inquiry as to whether the philosophical view advocated by Galileo is in agreement with, or is opposed to, the Sacred Scriptures*. Translated with an introd. and notes by Richard J. Blackwell. Notre Dame, Ind., University of Notre Dame Press, 1994. 157 p.

Translation of *Apologia pro Galileo*.

Chaikin, Andrew. *A man on the moon: the voyages of the Apollo astronauts*. New York, Viking, 1994. xv, 670 p. illus., ports.

Cohen, H. Floris. *The scientific revolution, a historiographical inquiry*. Chicago, University of Chicago Press, 1994. xviii, 662 p.

Contents: 1. 'Almost a new nature.'—pt. 1. Defining the nature of the scientific revolution. 2. The great tradition. 3. The new science in a wider setting.—pt. 2. The search for causes of the scientific revolution. 4. The emergence of early modern science from previous Western thought on nature. 5. The emergence of early modern science from events in the history of Western Europe. 6. The nonemergence of early modern science outside Western Europe.—pt. 3. Summary and conclusions: 'The banquet of truth.' 7. The scientific revolution: fifty years in the life of a concept. 8. The structure of the scientific revolution.

La Collina di Urania. *Il Museo storico dell'Osservatorio astronomico di Capodimonte*. Napoli, EdR, 1992. 111 p. illus. (part col.), maps (part col.), plans (part col.), ports. (part col.)

Partial contents: Rigutti, M. Nota storica.—Rigutti, M. Gli oggetti del museo.—Borrelli Rojo, G. Cultura neoclassica a Napoli e ruolo dell'architettura e dell'urbanistica della magnificenza civile.—Proverbio, E. L'Osservatorio astronomico di Napoli: sugli strumenti di osservazione di cui si ha memoria storica.—Imer, A. Il progetto di allestimento museale.—Felice, E. de. Intervento museografico.—Catalogo.

The catalog, which takes up more than half the volume, provides illustrations of and information about (with bibliographic references where possible) the instruments in the museum's collection.

Companion encyclopedia of the history and philosophy of the mathematical sciences. Edited by I. Grattan-Guinness. London, New York, Routledge, 1994. 2 v. (1806 p.) illus. (Routledge reference)

Partial contents: pt. 1. Ancient and non-Western traditions. 1.13. Joseph, G. G. Tibetan astronomy and mathematics.—pt. 2. The Western Middle Ages and the Renaissance. 2.7. Moesgaard, K. P. Astronomy.—pt. 8. Mechanics and mechanical engineering. 8.8. Wilson, C. The dynamics of the solar system. 8.9. Wilson, C. The three-body problem. 8.10. Kilmister, C. W. Astrophysics and cosmology. 8.13. Foulkes, P. The pendulum: theory, and its use in clocks. 8.14. Chapin, S. L. Geodesy. 8.16. Aiton, E. J. The tides. 8.18. Howse, D. Astronomical navigation.—pt. 9. Physics and mathematical physics, and electrical engineering. 9.1. Kipnis, N. Physical optics. 9.2. Cantor, G. The velocity of light. 9.3. Deiman, J. C. Optics and optical instruments, 1600–1800. 9.6. Brush, S. G. Geophysics. 9.13. Kilmister, C. W.

Relativity.

See also the extensive index.

Cristoforo Colombo e l'apertura degli spazi. Mostra storico-cartografica. Direzione scientifica: Guglielmo Cavallo. Roma, Istituto poligrafico e zecca dello Stato, Libreria dello Stato, 1992. 2 v. (xvii, 1115 p.) illus., facsimis. (part col.), maps (part col., part fold.) (Due mondi al confronto)

Partial contents: Paravicini Baglioni, A. La sfericità della terra nel medioevo.—Lecoq, D. Il cielo e la terra nel medioevo: la "machina universitatis" (XII–XIII secolo).—Schede: L'astrologia (I.14–I.19).—Maccagni, C. Le matematiche, l'astronomia e le loro applicazioni all'epoca delle grandi scoperte.

Crowe, Michael J. Modern theories of the universe, from Herschel to Hubble. New York, Dover Publications, 1994. 435 p. illus.

Davis, Margaret E. Henry Evans Baker: a brave, able, original man. Brisbane, 1990. 52 p. illus., maps, ports.

Baker built the Ballarat Observatory's telescopes.

European Meeting on Archeoastronomy & Ethnoastronomy, Strasbourg, 1992. [Compte rendu] European Meeting on Archeoastronomy & Ethnoastronomy, Strasbourg, 3–5 novembre 1992. Editeur: Carlos Jaschek. Strasbourg, Observatoire astronomique de Strasbourg [1993?] 233 p. illus., plans. (Observatoire astronomique de Strasbourg, Publications)

Contents: Erny, P. Comment situer l'ethnoastronomie?—Jasniewicz, F. "Systèmes de représentation" et notion de "causalité" dans la construction d'une problématique en ethnoastronomie.—Snedigar, K. V. Prospects for studying the ethnoastronomy of Southern Africa.—Proverbio, E., and N. R. Vlora. Orientation of dolmenic tombs in central Apulia.—Ruggles, C. L. N. Two approaches to the study of possible astronomical symbolism in prehistoric stone rows: recent fieldwork in western Scotland and south-west Ireland.—Niedhorn, U. Les ruines d'un grand ensemble mégalithique dans le nord de l'Allemagne. —Schlosser, W. The orientation of the stone rows of the Leistruper Wald. Addendum to the paper by Niedhorn.—Brunner-Bosshard, W. An archaeoastronomical interpretation of the Carschenna rock engravings in Switzerland.—Castro Cornide, M. C., M. S. Lopez Plaza, and F. A. Romero. Orientation astronomique des tombes mégalithiques à couloir au nord-ouest de la Péninsule Ibérique.—Schlosser, W. The Rössen circular ditch structur [sic] in Bochum and its archaeological and astronomical similarities to Stonehenge I.—Pasztor, E. The orientation of the ancient Egyptian Senenmut tomb.—Iwaniszewski, S. Babylonian kudurrus from the Second Dynasty of Isin: an archaeoastronomical analysis.—Siarkiewicz, E. The moon, the thirteens and twenties, and the genesis of the 260 count system. An interpretation of pages 37–38 of the Dresden Codex: the Moon and Venus.—Parisot, J. P. On the origin of the 5-years cycle in the celtic calendar.—Triomphe, R. Le feu et les hypothèses des Grecs sur l'origine des astres.—Oudet, J. F. Reconstitution de l'Observatoire de Samarkand (XVe siècle); état d'avancement des travaux.—Romano, G. Projet "Sol Æquinoctialis": résultats préliminaires.

Fantoli, Annibale. Galileo, per il copernicanesimo e per la chiesa. Città del Vaticano, Specola vaticana, Libreria editrice vaticana, 1993. xv, 447 p. (Studi galileiani, v. 2)

Florence, Ronald. The perfect machine: building the Palomar telescope. New York, HarperCollins Publishers, 1994. 451 p.

illus., map, ports.

Frängsmyr, Tore, and Olov Amelin. Observatoriemuseet: et vetenskapligt centrum i 1700-talets Sverige. Foto: Mats Landin. Stockholm, Stift. Observatoriekullen, 1992. 31 p. illus.

G. S. Vaiana Memorial Symposium, Palermo, 1992. Physics of solar and stellar coronae: G. S. Vaiana Memorial Symposium. Proceedings of a conference of the International Astronomical Union, held in Palermo, Italy, 22–26 June, 1992. Edited by Jeffrey F. Linsky and Salvatore Serio. pt. 1. G. S. Vaiana and the Palermo Astronomical Observatory. Dordrecht, Boston, Kluwer Academic Publishers, 1993. (Astrophysics and space science library, v. 184) p. 1–68. illus., facsimis., plan, ports.

Contents: Giacconi, R. G. S. Vaiana memorial lecture.—Foderà Serio, G. On the history of the Palermo Astronomical Observatory.—Hoskin, M. A. Bode's law and the discovery of Ceres.—Gingerich, O. The nineteenth-century birth of astrophysics.—Oda, M. Half a century of solar physics: some episodes.

Galilei, Galileo. Sidereus nuncius. Le messager céleste. Texte, traduction et notes établis par Isabelle Pantin. Paris, Les Belles lettres, 1992. civ, 48, 115 p. illus. (Science et humanisme)

Includes Latin text and French translation on facing pages.

Gambaro, Ivana. Astronomia e tecniche di ricerca nelle lettere di G. B. Riccioli ad A. Kircher. Genova, 1989. 111 p. (Quaderni del Centro di studio sulla storia della tecnica del Consiglio nazionale delle ricerche, 15)

An introduction consisting of three chapters, "L'Astronomia geostatica e la Compagnia di Gesù" (p. 11–21), "Il Celebre astronomo e l'immortale encyclopédista" (p. 22–30), and "I Temi del carteggio" (p. 31–43), is followed by the text of 22 letters written between 5 July 1642 and 26 February 1661.

Gapaijard, Jacques. Et pourtant, elle tourne! Le mouvement de la terre. Ouvrage publié avec le concours du Centre national des lettres. Paris, Éditions du Seuil, 1993. 347 p. illus., facsimis., ports.

Guericke, Otto von. The new (so-called) Magdeburg experiments of Otto von Guericke. Translation and pref. by Margaret Glover Foley Ames. Dordrecht, Boston, Kluwer Academic Publishers, 1994. xxiv, 394 p. facsimis., port. (Archives internationales d'histoire des idées, 137)

Translation of *Experimenta nova (ut vocantur) Magdeburgica de vacuo spatio* (1672).

Contents: Book 1. The system of the world, according to the more common philosophical theories.—Book 2. Empty space.—Book 3. Individual experiments.—Book 4. Mundane virtues and other allied subjects.—Book 5. The sphere of land and sea and its companion, the moon.—Book 6. Our planetary system.—Book 7. The fixed stars and the boundary which confines them.

Gumbert-Hepp, Marijke. Computus Magistri Jacobi. Een schoolboek voor tijdsrekenkunde uit 1436 (mit einer Zusammenfassung in deutscher Sprache). Hilversum, Verloren, 1987. 216 p. illus., facsimis. (Middeleeuwse studies en bronnen, 7)

Includes Latin text with paraphrase and explanatory notes in Dutch.

L'Histoire cachée de l'astronomie. Paris, AFA, 1993. 95 p. illus. (part col.), col. maps, ports. (part col.) (Ciel et espace. Numéro spécial, juin/août 1993)

Contents: Robredo, J. F. L'avenir du passé.—Reeves, H. Les racines du ciel.—Segonds, A. Tycho Brahe—Kepler: les astrologues de la cour.—Fehrenbach, C. Qui a inventé la première lunette?—Thuillier, P. Newton: la tentation de l'alchimie.—Merleau-Ponty, J. Einstein: pour un monde sans commencement.—Fehrenbach, C. Le télescope à l'assaut du ciel.—Robredo, J. F. Lemaître: entre fiat lux et big bang.—Morelon, R. Thâbit Ibn Qurra, al-Battâni, al-Bîrûni, Ibn al-Haytham ... l'histoire oubliée.—Fehrenbach, C. Le siècle de la démesure.—Verdet, J. P. Herschel—Le Verrier: les ruses de la découverte.—Celnikier, L. Lowell: grandeur et décadence des Martiens.—Fehrenbach, C. La fin des aberrations.—Barthalot, R. La Condamine: l'arpenteur du bout du monde.—Fehrenbach, C. La course aux grands instruments.—Pantin, I. Galilée: le détournement des comètes.—Fehrenbach, C. L'universe dans un miroir.—Andrillat, H. Hubble: la révolution tombée du ciel.

Historia de la astronomía en México. Marco Arturo Moreno Corral (compilador). México, D.F., SEP-FCE, 1986. 260 p. illus., facsimis., maps, plans, ports. (La Ciencia desde México, 4)

Contents: 1. Léon-Portilla, M. Astronomía y cultura en Mesoamérica.—2. Maupomé, L. Reseña de las evidencias de la actividad astronómica en la América antigua.—3. Broda, J. Arqueoastronomía y desarrollo de las ciencias en el México prehispánico.—4. Iwaniszewski, S. Mitología y arqueoastronomía.—5. Moreno, R. Astronomía mexicana del siglo XVIII.—6. Piñera, D. Sondeo historiográfico sobre la astronomía en Baja California.—7. Moreno Corral, M. A. Viaje de la Comisión Mexicana al Japón para la observación del tránsito de Venus de 1874.—8. Gallo Sarlat, J. Entre eclipses y cometas: reminiscencias de la vida de Joaquín Gallo.—9. Bok, B. J. Astronomía mexicana, 1930–1950. Traducción de J. Banda.—10. Pişmiş, P. El amanecer de la astrofísica en México.—11. Rodríguez, L. F., and J. Canto. Una evaluación cuantitativa del impacto internacional de la astronomía mexicana.—12. Álvarez, M., and E. López. Los últimos diez años del Observatorio Astronómico Nacional.

Houk, Rose. From the hill: the story of Lowell Observatory. Flagstaff, Ariz., Lowell Observatory, 1991. 47 p. illus. (part col.), ports. (part col.)

Hoyle, Sir Fred. Home is where the wind blows; chapters from a cosmologist's life. Mill Valley, Calif., University Science Books, 1994. 443 p. maps, plates, ports.

Foreword by Margaret Burbidge.

John, of Saxony. Las tablas de los movimientos de los cuerpos celestiales del Iluxtrísimo Rey don Alonso de Castilla, seguidas de su Additio. Traducción castellana anónima de los Cánones de Juan de Sajonia. Estudio y edición de José Martínez Gázquez. Murcia, Universidad de Murcia, 1989. 151 p. facsimis. (Alfonso X y el saber científico del siglo XIII, no. 1)

The Latin text of the *Additio* is provided as well as the Castilian translation.

John Herschel, 1792–1871: a bicentennial commemoration. Edited by D. G. King-Hele. London, Royal Society, 1992. 137 p. illus., facsimis., ports.

Proceedings of a Royal Society meeting held on 13 May 1992.

Contents: King-Hele, D. G. Preface.—King-Hele, D. G. Introduction.—Ring, F. J. John Herschel and his heritage.—Grattan-Guinness, J. The young mathematician.—Moore,

K. 'Space and time forgot': John Herschel as a poet.—Wolfendale, A. The optical dimension.—Ronan, C. A. The astronomer: follower of a new tradition.—Warner, B. The years at the Cape of Good Hope.—Roberts, C. The photographic pioneer.—Schaaf, L. J. The poetry of light: Herschel, art and photography.—Gates, J. W. C., and J. Maxwell. The Herschel condition.—Dyer, G. P. 'One of the best men of business': Master of the Royal Mint.—Hall, M. B. The 'distinguished man of science.'

Jones, Charles W. Bede, the schools, and the computus. Edited by Wesley M. Stevens. Aldershot, Hants., Brookfield, Vt., Variorum, 1994. [348], 8 p. port. (Collected studies series, CS436)

Partial contents: 6. Polemius Silvius, Bede, and the names of the months (1934).—7. A legend of St. Pachomius (1943).—8. The Victorian and Dionysiac paschal tables in the West (1934).—9. Two Easter tables (1938).—10. The 'lost' Sirmund manuscript of Bede's 'Computus' (1937).—Beda pseudopigraphia: scientific writings falsely attributed to Bede (1939).

Kepler, Johann. Dissertatio cum nuncio siderio. Narratio de observatis Jovis satellitibus. Discussion avec le messager céleste. Rapport sur l'observation des satellites de Jupiter. Texte, traduction et notes par Isabelle Pantin. Paris, Les Belles lettres, 1993. cxxvi, 44, 196 p. (Science et humanisme)

Includes Latin text and French translation on facing pages.

Kepler, Johann. Gesammelte Werke. Bd. XI, 2. Calendaria et prognostica. Astronomica minora. Somnium. Bearb. von Volker Bialas, Helmuth Grössing. München, C. H. Beck'sche Verlagsbuchhandlung, 1993. 561 p. illus., facsimis. (part col.)

Kozhamthadam, Job. The discovery of Kepler's laws: the interaction of science, philosophy, and religion. Notre Dame, Ind., University of Notre Dame Press, 1994. 315 p. illus.

Krogt, Peter C. J. van der. Globi Neerlandici: the production of globes in the Low Countries. English translation by Elizabeth Daverman. Utrecht, HES, 1993. 647 p. illus., facsimis., maps, col. plates, ports.

Contents: pt. 1. The history of globe production in the Low Countries.—pt. 2. Cartobibliography of globes published in the Netherlands, 16th–18th centuries.—pt. 3. Appendices.

Information about celestial globes is included, but there is no subject index.

La Cotardière, Philippe de, and Patrick Fuentes. Camille Flammarion. Paris, Flammarion, 1994. 375 p. illus., ports.

Among the annexes are a chronology of Flammarion's life, chronological lists of his writings and his communications to the Académie des sciences, and a description of the Camille Flammarion archives at the Juvisy observatory.

Lang, Harry G. Silence of the spheres: the deaf experience in the history of science. Westport, Conn., Bergin & Garvey, 1994. xxxiv, 187 p. illus., ports.

See particularly "The Education of John Goodricke" (p. 13–16); "Astronomy: Women 'Computers' and the Harvard College Observatory" (p. 56–60), chiefly about Cannon and Leavitt; and "Astronomy and Space Science" (p. 110–115), about Olaf Hassel, R. G. Aitken, and Tsiolkovsky.

Liuzzi, Dora. Nel cielo tra gli astri in compagnia di Orazio. Galatina, Congedo editore, 1993. 85 p. illus.

Making instruments count; essays on historical scientific instruments presented to Gerard L'Estrange Turner. Edited by R. G. W. Anderson, J. A. Bennett, W. F. Ryan. Aldershot, Hants., Brookfield, Vt., Variorum, 1993. xix, 492 p. illus., facsims., ports.

Partial contents: Publications of G. L'E. Turner.—Heilbron, J. L. Some uses for catalogues of old scientific instruments.—Turner, A. J. Interpreting the history of scientific instruments.—Burnett, C. S. F. An unknown Latin version of an ancient *parapēgma*: the weather-forecasting stars in the *Iudicia* of Pseudo-Ptolemy.—King, D. A. Rewriting history through instruments: the secrets of a medieval astrolabe from Picardy.—Gingerich, O. Astronomical paper instruments with moving parts.—Lippincott, K. Raphael's 'Astronomia': between art and science.—Hill, C. R. Scientific instruments: an iconographic note.—Bedini, S. A. Christina of Sweden and the sciences.—Greenaway, F. More than 'a mere gazing place': the special loan exhibition and the Science Conferences of 1876.—Simpson, A. D. C. The pendulum as the British length standard: a nineteenth-century legal aberration.—Vaughan, D. A very artificial workman: the altitude sundials of Humphrey Cole.—Simcock, A. V. An equinoctial ring dial by Ralph Greatorex.—Graeve, J. de. Francis Hall's sundial for the blind.—Morrison-Low, A. D. Early navigational instruments in Scotland: icons and survivals.—Bennett, J. A. Equipping the Radcliffe Observatory: Thomas Hornsby and his instrument-makers.—Dekker, E. Frederik Kaiser and his 'steady boat compass with nightly illumination.'—Webster, R., and M. Webster. A tale of two instruments.—Clifton, G. C. The Spectaclemakers' Company and the origins of the optical instrument-making trade in London.—Bryden, D. J. A 1701 dictionary of mathematical instruments.—Delehar, P. Illustrations of scientific instruments in the *Gentleman's Magazine*, 1746–1796.—Leopold, J. H. Some notes on Benjamin Ayres.—Andersen, H. Jeppe Smith (1759–1821): a Danish instrument-maker.—Chapman, A. Scientific instruments and industrial innovation: the achievement of Jesse Ramsden.—McConnell, A. Thomas Cooke's order book: analysis of an optical business, 1856–1868.—Mollan, C. The Irish national inventory and one of its 'discoveries.'—Mörzer Bruyns, W. F. J. The astronomical clocks of Andreas Hohwü: a checklist.

Martin, Ernest L. The star that astonished the world. Portland, Ore., ASK Publications, 1991. 220 p. illus.

#### About the star of Bethlehem.

Mazal, Otto. Die Sternenwelt des Mittelalters. Graz, Akademische Druck- u. Verlags-Anstalt, 1993. 168 p. illus.

Medieval lunar astrology; a collection of representative Middle English texts. Edited by Laurel Means. Lewiston, N.Y., E. Mellen Press, 1993. 352 p. illus.

Morton, Alan Q., and Jane A. Wess. Public & private science: the King George III Collection. Oxford, New York, Oxford University Press in association with the Science Museum, 1993. 710 p. illus. (part col.), maps, ports. (part col.)

Material relating to the history of astronomy is scattered through various sections of the book. See, for example, "The Transit of Venus" (p. 28–29); "Kew Observatory" (p. 116–117); "The Apparatus of S. C. T. Demainbray: Astronomy" (p. 160–163 and 220–223); "Astronomical Instruments" (p. 402–419); and "Time Measurement" (p. 420–431). Additional relevant illustrations appear on p. 7, 12–15, 23, 25, 27, 31, 51, 68, 85, 92, 114–115, 236, and 238–239.

Chapter 3, "A New Generation of London Lecturers on Natural Philosophy" (p. 67–87), includes information about lecturers on astronomy such as Benjamin Martin and James Ferguson.

Mosimann, Martin. Die "Mainauer Naturlehre" im Kontext der Wissenschaftsgeschichte. Tübingen, Francke, 1993. 418 p. illus. + supplement (48 p. illus.) (Basler Studien zur deutschen Sprache und Literatur, Bd. 64)

#### Supplement in pocket.

Moustgaard, Lisbeth. Uranias tjenere; episoder i dansk astronomi, 1900–1950. København, Danmarks naturog lægevidenskabelige bibliotek, Universitetsbiblioteket 2, 1990. 159 p. illus., ports. (Danmarks naturog lægevidenskabelige bibliotek, Universitetsbiblioteket 2. Skrifter, Bd. 5)

Natural phenomena, their meaning, depiction and description in the ancient Near East. Edited by Diederik J. W. Meijer. Proceedings of the colloquium, Amsterdam, 6–8 July 1989. Amsterdam, New York, North-Holland, 1992. 306 p. illus. (Koninklijke Nederlandse Akademie van Wetenschappen. Afdeeling Letterkunde. Verhandelingen, nieuwe reeks, d. 152)

Partial contents: Collon, D. The Near Eastern moon god.—Orthmann, W. Eine Wandmalerei aus Halawa und die Darstellung der Sonne in der vorderasiatische Kunst.—Stol, M. The moon as seen by the Babylonians.

North, John D. The Fontana history of astronomy and cosmology. London, Fontana Press, 1994. xxvii, 697 p. illus., plates. (Fontana history of science)

To be published in the United States as *The Norton History of Astronomy and Cosmology*.

Observatoire astronomique de Strasbourg. Publications. Série Astronomie et sciences humaines. no 4. Strasbourg, 1989. 47 p. illus.

Contents: Molet, L. Durée et temps à Madagascar.—Viret, J. Gammes planétaires et harmonie cosmique au Haut Moyen Age.—Andrillat, H. Le songe de Kepler.—Verdier, P. Le carnaval et le calendrier de Coligny.

All the essays are accompanied by summaries in English.

Observatoire astronomique de Strasbourg. Publications. Série Astronomie et sciences humaines. no 5. Strasbourg, 1991. 112 p. illus., map.

Contents: Triomphe, R. Symbolique cosmique et images antiques du ciel.—Lebeuf, A. L'ethnographie des astronomes.—Magaña, E. Les moitiés masculines et féminines du ciel: astronomie de quelques tribus guyanaises.—Schmidt-Kaler, T. Emigration—sort d'astronomes allemands entre 1918 et aujourd'hui.—Ziółkowski, M. S. Les comètes d'Atawallpa: astronomie et pouvoir dans l'empire inca.

With the exception of those by Magaña and Ziółkowski, the essays are accompanied by summaries in English.

The bibliography omitted from Magaña's essay appears in issue no 6.

Observatoire astronomique de Strasbourg. Publications. Série Astronomie et sciences humaines. no 6. Strasbourg, 1992. 83 p. illus., map, plans.

Contents: Köhler, U. Le cycle lunaire et sa signification chez les indiens mexicains.—Briard, J. Les mégalithes de Bretagne et les théories astronomiques. Cent ans d'interrogations.—Maillard, C. Dans le procès de l'astrologie, le rationalisme

est-il tout à fait rationnel?—Andrillat, H. Commentaire sur l'exposé de M. Maillard.—Erny, P. Préoccupations cosmologiques et astronomiques dans les travaux de l'École française d'ethnologie dans la boucle du Niger.—Magafia, E. Les moitiés masculines et féminines du ciel: astronomie de quelques tribus guyanaises (article paru dans volume no 5). Bibliographie.—Index, volumes 1 à 5.

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Observatoire astronomique de Strasbourg. Publications. Série Astronomie et sciences humaines. no 7. Strasbourg, 1992. 106 p. illus.

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