

# RECENT PUBLICATIONS RELATING TO THE HISTORY OF ASTRONOMY

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## — Books and Pamphlets —

Alverny, Marie-Thérèse d'. *La transmission des textes philosophiques et scientifiques au Moyen Age*. Edited by Charles Burnett. Aldershot, Hants., Variorum; Brookfield, Vt., Ashgate Pub. Co., 1994. xvi, [330], 2, 18 p. illus. (Collected studies series, CS463)

Partial contents: 14. Survivances du "système d'Héraclide" au Moyen Age. (1975).—15. Abélard et l'astrologie (1975).—16. Astrologues et théologiens au XII<sup>e</sup> siècle (1967).

Astronomia al planetario di Firenze. A cura di Brunella Monsignori Fossi e Alberto Righini. Firenze, Edizioni Polistampa, 1993. 190 p. illus. (part col.), maps (part col.)

Those who contributed to the seven lessons listed below, in addition to the editors named on the title page, are Raffaele Barletti, Fabio Cavallini, Guido Ceppatelli, Marcello Felli, and Piero Ranfagni.

Contents: 1. Il cielo.—2. Astronomia di posizione.—3. Strumenti antichi di astronomia.—4. L'astronomia della Divina Commedia.—5. Storia dell'astronomia.—6. Galileo astronomo.—7. L'astronomia e la scoperta dell'America.—Glossario.

Astronomical and geographical culture in Italy from the XVth to the XVI<sup>th</sup> century. Proceedings of the sixth annual meeting on the history of astronomy, Roma, 29–30 October 1992. Edited by Edoardo Proverbio. Cremona, Monotipia cremonese, 1994. 435–632 p. illus., facsimis., maps, port. (Memorie della Società astronomica italiana, v. 65, n. 2, 1994)

Contents: Milanesi, M. Geography and cosmography in Italy from XV to XVII century.—Proverbio, E. Astronomical and sailing tables from the second half of the 15th century to the middle of the 16th century.—Casini, P. Copernicus, Philolaus and the Pythagoreans.—Calisi, M. The astronomic and geographic culture in Italy from XVth to XVI<sup>th</sup> sec.—Palma, M. T. di. Seventeenth-century Italian world-atlases from Magini to Coronelli.—Barlai, K., and Á. Boronkai. Astronomical codices in the Corviniana Library.—Tinazzi, M. M. Meteorite fallen in '600 near Vago (Verona).—Banfi, V. A dynamical problem applied to the Earth, solved by Leonardo da Vinci.—Arrighi, G. A sixteenth century astronomical and geographic epithalamium.—Banfi, V. H. W. M. Olbers as a forerunner of the spacecraft astrodynamics.—Tinazzi, M. M. Pietro Cossali, a Veronese astronomer.—Tinazzi, M. M. Pietro Cossali and the eclipses of 1791 and of 1803.—Guidoboni, E., C. Marmo, and V. F. Polcaro. Do we need to redate the birth of the Crab Nebula?—Polcaro, V. F., and R. Viotti. Publishing is not enough.

Astrophysics on the threshold of the 21st century. Edited by

N. S. Kardashev. Translated from the Russian by Dean F. Smith. Philadelphia, Gordon and Breach Science Publishers, 1992. 379 p. illus., ports.

"This book is dedicated to Joseph Samuilovich Shklovsky (1916–1985) and Solomon Borisovich Pikel'ner (1921–1975), who were responsible for some remarkable developments in 20th-century astrophysics."

Partial contents: Hulst, H. C. van de. Two great astrophysicists: some personal reflections.—Kardashev, N. S., and L. S. Marochnik. The Shklovsky phenomenon.—Marochnik, L. S. Words about Pikel'ner.—Kellermann, K. I. Reflections on the Soviet-American VLBI program.—Braude, S. IA. Decametric radioastronomy.—Friedman, H. Joseph Shklovsky and X-ray astronomy.

Some of the other papers include historical introductions or reviews of varying length.

The English translation, by R. A. McCutcheon, of Kardashev and Marochnik's essay on Shklovskii, first appeared in the *Astronomy Quarterly*, v. 7, no. 4, 1990, p. 219–242.

Aveni, Anthony F. *Ancient astronomers*. Montreal, St. Remy Press; Washington, D.C., Smithsonian Books, 1993. 176 p. illus. (part col.), col. facsimis., maps (part col.), col. ports. (Smithsonian: Exploring the ancient world)

Contents: The most ancient profession.—1. A sky for everyone.—2. The unwritten record.—3. Taproots of Western astronomy.—4. Islam: surveyor and purveyor.—5. Ancient Asia's stellar bureaucracy.—6. Africa's socialized astronomy.—7. Hermetically sealed: ancient Mesoamerica.—8. North America: charting celestial symmetry.—9. Pathways to the stars: skywatching in the Andes.—10. The voyaging stars of Oceania.—11. A jewel with many facets.

Baldini, Ugo. *Legem impone subactis*. Studi su filosofia e scienza dei Gesuiti in Italia, 1540–1632. Roma, Bulzoni editore, 1992. 601 p. illus. (Università degli studi "G. d'Annunzio" di Chieti. Istituto di filosofia. Collana, nuova ser., 1)

Contents: pte 1. L'assetto dottrinale ed istituzionale. 1. *Legem impone subactis*. Teologia, filosofia e scienze matematiche nella didattica e nella dottrina della Compagnia di Gesù (1550–1630). 2. *Uniformitas et soliditas doctrinae*. Le censure *librorum e opinionum*.—pte. 2. La scuola di Clavio e la crisi della teoria astronomica. 3. Clavio e la *theorica planetarum*. 4. *La nova* del 1604. 5. Astronomia e meccanica. La corrispondenza Grienberger-Burgo sull'idrostatica galileiana. 6. Dal geocentrismo alfonsino al modello di Brahe. La discussione Grienberger-Biancani. 7. Nuova astronomia e vecchia fisica. La reazione dei

filosofi del Collegio Romano alla nuova cosmologia (1604–1618).—pte. 3. Bellarmino. 8. L'astronomia del cardinale. 9. Bellarmino tra vecchia e nuova scienza.—pte. 4. L'altro polo dell'attività scientifica: la provincia veneta. 10. L'origine della scuola scientifica della provincia veneta ed i rapporti con Galileo. 11. La scuola scientifica della provincia dal 1606 al 1660.—Appendici. Appendice 1: La *theorica solis* di Cristoforo Clavio. Appendice 2: I professori di matematica e filosofia nel Collegio Romano, 1553–1632, e la documentazione manoscritta della loro attività.

Barton, Tamsyn S. *Power and knowledge: astrology, physiognomics, and medicine under the Roman Empire*. Ann Arbor, University of Michigan Press, 1994. xiv, 254 p. (The body, in theory; histories of cultural materialism)

Contents: 1. Star wars in the Greco-Roman world. pt. 1. The rise and fall of astrology. pt. 2. Astrology in practice. —2. Physiognomics: *voir, savoir, pouvoir*.—3. Medical prognosis: the doctor as diviner and detective.—Conclusion.—Appendix A. Astrological medicine: iatromathematics.—Appendix B. The gnostics and astrology.—Appendix C. Favorinus' exile.

*Le Big Bang en questions*. Paris, Excelsior Publications, 1994. 156 p. illus. (part col.), ports. (part col.) (Science & vie. Hors série, no 189, déc. 1994)

Contents: Propos sur le Big Bang.—Naissance du modèle. Lachièze-Rey, M. Faits et théories: l'univers est en expansion. Questions au professeur Marc Lachièze-Rey. Luminet, J. P. Les mathématiques cosmiques. Schweber, S. S. 1948: au début, les particules ... Hoyle, Sir F. 1950: l'univers est stationnaire (interview).—Rebondissements. Schalchli, L. 1965: l'écho d'une première. Reeves, H. Le puzzle des éléments légers (interview). Chevalier, G. Une constante fuyante.—Le Big Bang aujourd'hui. Bouquet, A. 1965–1994: trente ans de Big Bang ... Chevalier, G. Maîtriser l'inflation? Guiderdoni, B. Sur la piste des galaxies primordiales. Questions à Bruno Guiderdoni. Blanchard, A. Galaxies innombrables. Mathez, G., and Y. Mellier. Les grandes structures de l'univers. Nottale, L. Univers primordial et relativité d'échelle.—Alternatives. Pecker, J. C. Les pansements d'un Big Bang fatigué. Bonnet-Bidaud, J. M. Un univers électromagnétique? Hoyle, Sir F. "Ils croient toujours aux miracles." Bonnet-Bidaud, J. M. Quasars, décalages vers le rouge et controverses.—Croyances d'autrefois. Andrillat, H. Cosmologies et cosmogonies.

*Carlos III y la ciencia de la Ilustración*. Manuel Sellés, José Luis Peset y Antonio Lafuente (compiladores). Madrid, Alianza Editorial, 1988. 402 p. (Alianza Universidad, 555)

Partial contents: I. El estado y la ciencia. Sellés, M. A. Astronomía y navegación.—II. La institucionalización del saber. Sellés, M. A. La Academia y Observatorio de Martina.—III. La metrópoli y el nuevo mundo. Lafuente, A., and A. Mazuecos. La Academia itinerante: la expedición franco-española al Reino de Quito de 1736. Bernabeu Albert, S. La expedición hispano-francesa a medir el paso de Venus.

Croswell, Ken. *The alchemy of the heavens: searching for meaning in the Milky Way*. Illus. by Philippe Van. New

York, Anchor Books, Doubleday, 1995. 340 p., [8] p. of plates. illus.

*Doscientos años del Observatorio Astronómico de Madrid*. Madrid, Asociación de Amigos del Observatorio Astronómico de Madrid, 1992. 168 p. illus. (part col.), facsimis., maps (part col.), plans, ports. (part col.)

Contents: Arévalo Barroso, A. Prólogo.—López Arroyo, M. Los dos siglos de existencia del Observatorio Astronómico Nacional.—Moleón Gavilanes, P. El edificio Villanueva del Real Observatorio de Madrid.—Cabañas Díaz, J. C. Historia de los terrenos del Observatorio de Madrid.—Torroja Menéndez, J. M. La Real Academia de Ciencias de Madrid y el Observatorio Astronómico.—Giménez de La Cuadra, J. M. La meteorología en el Observatorio Astronómico de Madrid.—Ángeles Calatayud Arinero, M. de los. El Real Observatorio Astronómico de Madrid en el Museo de Ciencias. Cronología de una época.—López Menaya, R. M. El Observatorio Astronómico de Madrid y la Universidad.

Harrison, Hilda M. *Voyager in time and space: the life of John Couch Adams*, Cambridge astronomer. Lewes, Sussex, Book Guild, 1994. 282 p. port.

Hundert Jahre Astronomie an der Leopold-Franzens-Universität Innsbruck (1892–1992). Hrsg. vom Institut für Astronomie und vom Universitätsarchiv Innsbruck. Innsbruck, Institut für Astronomie und Universitätsdirektion Innsbruck, 1992. 116 p. illus., facsimis., ports. (Uni Innsbruck, 1669–2000. Retrospektiven)

Contents: Oberkofler, G., and P. Goller. Die Astronomie an der Universität Innsbruck (1888/92–1929).—Dokumente.—Schwieriger Start: das astronomische Vorlesungsprogramm vom Wintersemester (WS) 1888/89 bis zum Sommersemester (SS) 1914.—Die Sternwarte. Aus einem ersten Bericht von Adalbert Prey über die Oppolzersche Sternwarte.—Joseph Hepperger: ein Tiroler Astronom an den Universitäten Graz und Wien [Dokumente]—Faksimiles. [Reproduces, from publications of the Vienna Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Klasse, papers by Haerdtl, Oppolzer (2), Prey, and Scheller].—Pfleiderer, J. Das Institut für Astronomie an der Leopold-Franzens-Universität Innsbruck in der Gegenwart.

Kilmister, Clive W. *Eddington's search for a fundamental theory*. Cambridge, New York, Cambridge University Press, 1994. 256 p. illus.

*Learning, language and invention. Essays presented to Francis Maddison*. Edited by W. D. Hackmann & A. J. Turner. Aldershot Hants., Variorum; Paris, Société internationale de l'astrolabe; Brookfield, Vt., Ashgate Pub. Co., 1994. xv, 333 p. illus., facsimis., ports.

Partial contents: Bibliography of the published works of Francis Romeril Maddison.—Bedini, S. A. In pursuit of provenance: the George Graham proto-orreries.—Chapman, Allan. Reconstructing the angle-measuring instruments of Pierre Gassendi.—North, J. D. Patient Grisilde: sun and moon in *The Clerk's Tale*.—Pouille, E. L'astrolabe sphérique dans l'occident latin.—Savage-Smith, E., and C. Wakefield. Jacob Golius and celestial

cartography.—Segonds, A. P. À propos d'un emblème de Tycho Brahe dans les *Mechanica*.—Verdet, J. P. À propos de deux petits quadrants indiens.

Lerner, Michel P. Tre saggi sulla cosmologia alla fine del Cinquecento. Napoli, Bibliopolis, 1992. 104, [17] p. illus., facsimis. (Istituto italiano degli studi filosofici. Lezioni della Scuola di studi superiori di Napoli, 14)

Presents revised and annotated texts of lectures given at Florence in June 1991.

Contents: 1. Aspetti del dibattito sulla natura e lo statuto delle ipotesi astronomiche prima di Copernico e nel *De revolutionibus*.—2. Il significato dell'eliocentrismo copernicano dal punto di vista dottrinale e le sue particolarità cosmologiche.—3. Le scoperte celesti a partire dal 1572 e la loro assimilazione teorica.

McConnell, Anita. R B Bate of the Poultry, 1782–1847. The life and times of a scientific instrument maker. London, Scientific Instrument Society, 1993. 74 p. illus., facsimis., map, plan. (SIS monograph no. 1)

Among the instruments produced by Bate were the Thomson slide rule for lunar distances, a sextant, telescopes, a portable orrery, a portable sundial, an equinoctial sundial, and a ring dial.

Manilio fra poesia e scienza. Atti del convegno, Lecce, 14–16 maggio 1992. A cura di Dora Liuzzi. Galatina, Congedo editore, 1993. 229 p. illus., facsimis.

Contents: Liuzzi, D. Premesse.—Liuzzi, D. Introduzione.—Flores, E. Aspetti della tradizione manoscritta e della ricostruzione testuale in Manilio.—Hübner, W. Manilio e Teucro di Babilonia.—Maranini, A. Gli "Astronomica" di Manilio ed un loro ignoto commentatore: Sebastiano Serico di Saludécio.—Caldini Montanari, R. Le costellazioni in Manilio, ovvero l'imperfezione perfetta.—Baldini Moscadi, L. Caratteri paradigmatici e modelli letterari: Manilio e i paranastellonta dell'Aquarius.—Sacchetti, L. La luminosità del cielo e degli astri negli *Astronomica* di Manilio: osservazioni terminologiche e stilistiche.—Santini, C. Connotazioni sociologiche in margine ai *Paranastellonta* Maniliani.—Scarcia, R. "Intelligendi aditus": aspetti dello studio Vergiliano di Manilio.—Liuzzi, D. Il Toro e l'equinozio di primavera.—Brugnoli, G. A Manil. 1, 431–437; 1, 755–803; 1, 806–926.—Stok, F. Physiognomonica maniliana.—Flammini, G. Manilio e la 'sollertia' nella storia delle acquisizioni tecnico-scientifiche: Astron. 1, Praef. 66–95.—Abry, J. H. Le Nil: réflexions sur les vers III 271–274 des *Astronomiques*.—Domenicucci, P. Il tema del catasterismo negli *Astronomica* di Manilio.

Moore, Patrick. The great astronomical revolution 1547–1687 and the space age epilogue. Chichester, Albion Pub.; Concord, MA, Paul Publishers Consortium, 1994. 258 p. illus., facsimis., ports.

Revision of his *Watchers of the Stars* (1973).

Mosimann, Martin. Die "Mainauer Naturlehre" im Kontext der Wissenschaftsgeschichte. Tübingen, Francke, 1994. 418 p. illus. (Basler Studien zur deutschen Sprache und Literatur, Bd. 64)

Issued with a supplement, *Transkription und Textsynopse* (48 p. illus.), in pocket.

See particularly chapter 3, "Astronomie" (p. 36–191).

The Origin of the solar system: Soviet research, 1925–1991. [Edited by] Aleksey E. Levin, Stephen G. Brush. New York, American Institute of Physics, 1995. 415 p. illus., ports.

A collection of 131 papers in English translation, arranged in nine topical groupings.

A special bibliography, "Soviet Publications on the Origin of the Solar System," appears on p. 393–409.

Introductory essays by the editors are listed separately as articles.

Pèlerin de Prusse. Pèlerin de Prusse on the astrolabe. Text and translation of his *Practique de astrolabe*. [Edited] by Edgar Laird, Robert Fischer. Binghamton, N.Y., Medieval & Renaissance Texts & Studies, 1995. 114 p. illus. (Medieval & Renaissance texts & studies, v. 127)

French text and English translation on facing pages.

Die Rolle der Astronomie in den Kulturen Mesopotamiens. Beiträge zum 3. Grazer Morgenländischen Symposium (23.–27. September 1991). Hrsg. von Hannes D. Galter. Graz, tm-Druck- & Verlags-Gesellschaft, 1993. 449 p. illus. (Grazer morgenländische Studien, Bd. 3)

Contents: Jaritz, K. Ernst Weidner—Gelehrter und Mensch.—Leichty, E. The origins of scholarship.—Rochberg, F. The cultural locus of astronomy in late Babylonia.—Parpola, S. Mesopotamian astrology and astronomy as domains of the Mesopotamian "wisdom."—Britton, J. P. Scientific astronomy in pre-Seleucid Babylon.—Jones, A. Evidence for Babylonian arithmetical schemes in Greek astronomy.—Grasshoff, G. The Babylonian tradition of celestial phenomena and Ptolemy's fixed star calendar.—Kuyper, J. de. Mesopotamian astronomy and astrology as seen by Greek literature: the Chaldeans.—Hunger, H. Astronomische Beobachtungen in neubabylonischer Zeit.—Horowitz, W. The reverse of the neo-Assyrian planisphere CT 33.11.—Chadwick, R. Identifying comets and meteors in celestial observation literature.—Koch, J. Das Sternbild <sup>maš-</sup>tab-ba-tur-tur.—Tuman, V. S. Astronomical dating of observed and recorded events in the astrolabe V R 46.—Steiner, G. Ein Bolid in Anatolien als Manifestation einer Gottheit.—Koch Westenholz, U. Mesopotamian astrology at Hattusas.—Farber, W. Zur Orthographie von EAE 22: neue Lesungen und Versuch einer Deutung.—Pingree, D. Venus phenomena in *Enuma Anū Enlil*.—Berger, P. R. Imaginäre Astrologie in spätbabylonischer Propaganda.—Wolters, A. An allusion to Libra in Daniel 5.—Bobrova, L., and A. Militarev. From Mesopotamia to Greece: on the origin of Semitic and Greek star names.—Brack-Bernsen, L. Babylonische Mondtexte: Beobachtung und Theorie.—Slotsky, A. L. The Uruk solstice scheme revisited.—Bremner, R. W. The shadow length table in *Mul.Apin*.—Friberg, J. On the structure of cuneiform metrological table texts from the -1st millennium.—Walker, C. B. F. Bibliography of Babylonian astronomy and astrology, with additions by H. D. Galter and B. Scholz.

Savage, Candace S. *Aurora: the mysterious northern lights*. San Francisco, Sierra Club Books, 1994. 144 p. illus. (part col.), facsimis. (part col.), ports.

Szabó, Árpád. *Das geozentrische Weltbild: Astronomie, Geographie und Mathematik der Griechen*. München, Deutscher Taschenbuch Verlag, 1992. 377 p. illus. (DTV Wissenschaft)

Tihon, Anne. *Études d'astronomie byzantine*. Aldershot, Hants., Variorum; Brookfield, Vt., Ashgate Pub. Co., 1994. [312], 3, 9 p. illus., facsimis. (Collected studies series, CS454)

Contents: Avant-propos.—1. L'astronomie byzantine (du Ve au XV<sup>e</sup> siècle) (1981).—2. Le calcul de la longitude de Vénus d'après un texte anonyme du *Vat. gr. 184* (1968).—3. Le calcul de la longitude des planètes d'après un texte anonyme du *Vat. Gr. 184* (1982).—4. Sur l'identité de l'astronome Alim (1989).—5. Les tables astronomiques

persanes à Constantinople dans la première moitié du XIV<sup>e</sup> siècle (1987).—6. Tables islamiques à Byzance (1990).—7. Un traité astronomique chypriote du XIV<sup>e</sup> siècle (1977–81).—8. Calculs d'éclipses byzantins de la fin du XIV<sup>e</sup> siècle (1987).—9. Enseignement scientifique à Byzance (1988).

Varisco, Daniel M. *Medieval agriculture and Islamic science: the almanac of a Yemeni sultan*. Seattle, University of Washington Press, 1994. xv, 349 p. map.

Partial contents: Introduction.—pt. 1. The text [chapter 32 of *al-Tabṣirah fi ilm al-nujūm* by al-Malik al-Ashraf 'Umar ibn Yūsuf]: English translation; Arabic text.—pt. 2. Context. 1. Calendars. 2. Astronomy. 7. Navigation.

Will, Clifford M. *Was Einstein right? Putting general relativity to the test*. 2d ed. New York, BasicBooks, 1993. 290 p., [8] p. of plates. illus., ports.

### — Articles —

Abt, Helmut A. Changing sources of published information. In *Astronomical Society of the Pacific. Publications*, v. 107, Apr. 1995: 401–403.

Investigates changes in the kinds of references cited in a sample of papers published during the period 1952–92 in the *Astrophysical Journal* (both parts) and during 1972–92 in *Astronomy and Astrophysics*.

Accattino, Paolo. Alessandro di Afrodisia e gli astri: l'anima e la luce. In *Accademia delle scienze di Torino. Classe di scienze morali, storiche e filologiche. Atti*, v. 126, luglio/dic. 1992: 39–62.

Aerts, Leo. De Mont Blanc observatoria. *Zenit*, 22. jaarg., feb. 1995: 57–59. illus., group port.

Aguilar Piñal, Francisco. Literatura "celestial" en el siglo XVIII. (El difícil avance de la ciencia en la España de la Ilustración.) *Dieciocho*, v. 16, spring/fall 1993: 1–12. illus.

Ahmad, Imad-ad-Dean. The science of knowing God: astronomy in the golden era of Islam. *Mercury*, v. 24, Mar./Apr. 1995: 28–30. illus.

Aked, Charles K. A perpetual almanack. *Antiquarian horology*, v. 21, winter 1994: 540–549. illus., facsimis.

Concerns John Carte's "Great Geographical Clock" and a print of Samuel Watson's *Chronological Automaton* of 1691.

Alexescu, Varvara, and Vladimir Boico. Matei Alexescu (n. 06.IX.1929 Bucureşti, m. 23.I.1993 Bacău). In *Anuarul astronomic*. 1994. Bucureşti, Editura Academiei Române. p. 236–241. port.

Includes a list of Alexescu's scientific and popular publications.

Amicone, Silvio d'. *Apocalypsis cum mensuris. L'Astrologo di Giulio Campagnola*. Venezia Cinquecento, anno 2, genn./

giugno 1992: 75–87. illus., facsimis.

On an early 16th-century engraving.

Andrews, A. David. *Cyclopaedia of telescope makers*. pt. 4 (O–R). Irish astronomical journal, v. 22, Jan. 1995: 43–110. illus., ports.

Arecchi, Alberto. Il labirinto celeste. Note sui simboli nella basilica e nel mosaico di San Michele. In *Società pavese di storia patria. Bollettino. nuova ser.*, v. 46; 1994. Como, Litografia New Press. p. 71–96. illus., maps, plans.

Austin, Rodney R. D. Albert Jones—the quiet observer. *Southern stars*, v. 36, Dec. 1994: 36–42.

Barnard, Noel. Astronomical data from ancient Chinese records: the requirements of historical research methodology. *East Asian history*, no. 6, Dec. 1993: 47–74. facsimis.

"My aim is mainly to draw attention to some of the pitfalls that await the unwary researcher ..."

Bauval, Robert G. The horizon of Khufu: a "stellar" name for Cheops's Pyramid. *Discussions in Egyptology*, no. 30, [Sept.?] 1994: 17–20. illus.

Beaulieu, Paul A., and John P. Britton. Rituals for an eclipse possibility in the 8th year of Cyrus. In *Journal of cuneiform studies*, v. 46; 1994. Atlanta, GA, Scholars Press, for the American Schools of Oriental Research. p. 73–86.

Provides transcription and English translation of the text.

Beekman, George W. E. Stonehenge zonder stenen bij Bochum. *Zenit*, 22. Jahrg., feb. 1995: 88–89. illus., plans.

Discusses the views of Wolfhard Schlosser.

See also the article by Marco Langbroek, "Stonehenge bij Bochum?" in the apr. 1995 issue, p. 186–187, questioning Schlosser's ideas and expressing doubt about archaeoastronomy in general.

Berggren, J. L. Abū Sahl al-Kūhi's treatise on the construction of the astrolabe with proof: text, translation and commentary. *Physis, nuova ser.*, v. 31, fasc. 1, 1994: 141–252. illus.

English translation precedes Arabic text.

Bernart, Luciana de. Bruno e i 'fondamenti' filosofici della teoria copernicana. *Nouvelles de la république des lettres*, anno 13, nov. 1994: 47–74.

Biermann, Kurt R. Aus der Gauss Forschung. III. Über die Beziehungen zwischen den Gaussschülern G. W. Müller und J. L. Tiarks. In *Gauss-Gesellschaft. Mitteilungen*. Nr. 30. Göttingen, 1993. p. 66–68.

Binney, James J. Galactic astronomy since 1950. In *The Renaissance of general relativity and cosmology; a survey to celebrate the 65th birthday of Dennis Sciama*. [Edited by] George Ellis, Antonio Lanza, John Miller. Cambridge, New York, Cambridge University Press, 1993. p. 110–129.

Bollók, János. Horace and the astrology. In Debrecen, Hungary. Tudományegyetem. *Acta classica Universitatis scientiarum debreceniensis*. t. 29; 1993. Debrecini, 1994. p. 11–19.

Borgonovo, Gabriele. Mercurio a Brera nel secolo scorso. *Astronomia UAI*, sett./ott. 1991: 10–13. illus.

English abstract.

Reproduces drawings of Mercury made by Schröter, Lowell, Schiaparelli, Jarry Desloges, and Roberto Lucchini.

Boxmeer, Henri van. Poussières d'archives ... Des méridiennes de Quetelet. De celle de Malines. *Ciel et terre*, v. 111, janv./fév. 1995: 22–24. illus.

Brack-Bernsen, Lis, and Olaf Schmidt. On the foundations of the Babylonian column Φ: astronomical significance of partial sums of the lunar four. *Centaurus*, v. 37, no. 3, 1994: 183–209. illus.

Brinkman, John A. BM 36761, the astronomical diary for 331 B.C. *Nouvelles assyriologiques brèves et utilitaires*, sept. 1987: 34.

Brosche, Peter. Sie betrachten auch die Venus. Astronomisches zu Caspar David Friedrichs berühmtem Gemälde. *Sterne und Weltraum*, 34. Jahrg., März 1995: 194–196. col. illus.

Brown, Peter. The seven planets. In *Popular and practical science of medieval England*. Edited by Lister M. Matheson. East Lansing, Colleagues Press, 1994. (Medieval texts and studies, no. 11) p. 3–21.

An introductory essay is followed by the Middle English text.

Brusa, Giuseppe. L'orologio dei pianeti di Lorenzo della Volpaia. *Nuncius*, anno 9, fasc. 2, 1994: 645–669. illus., facsimis., plates.

English summary.

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G. Brush. New York, American Institute of Physics, 1995. p. 19–37.

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The tribute, described on p. 334–335, consists of 135 medallions set into the pavements of the 18th, 9th, 2d, 1st, 6th, and 14th arrondissements in a line marking the meridian of Paris. Each medallion bears the name Arago, and the letters N and S to show orientation.

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"... a historical overview is given as to how ideas and concepts have developed and paradigms risen and fallen."

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