

Recent publications relating to the history of astronomy

Books, Pamphlets, and Special Issues of Periodicals

Astronomical observatories and institutions in Italy. II. [Proceedings of the] eighth annual meeting on the history of astronomy, Napoli, March 29–30, 1996. Edited by E. Proverbio. Cremona, Monotipia cremonese, 1997. 513–780 p. illus., facsim., maps, plans. (Società astronomica italiana. Memorie, v. 68, n. 3, 1997)

Contents: Braccesi, A. Tra ricordi e documenti: radioastronomia e cosmologia a Bologna, 1959–1969.—Proverbio, E. Sul Gabinetto meteorologico e sulla Specola meteorologica e astronomica di Pietro Moscati in Milano.—Carbone, L., G. Cardone, and S. Mancuso. Il fenomeno della variazione della latitudine a corto periodo: gli studi di Arminio Nobile e la controversia con Ernesto Cesàro.—Balestrieri, R. Francesco Porro e l'Osservatorio meteorologico e astronomico dell'Università di Genova.—Tinazzi, M. The published and unpublished works of Pietro Cossali, astronomer, meteorologist, and hydraulic in the Parma University. Manuscripts and correspondence [includes a catalog]—Cristaldi, S., and A. Mangano. On some letters addressed to Annibale Riccò regarding the monument dedicated to the memory of Angelo Secchi.—Colavita, C., and C. Mataix. Galileo e l'Inquisizione in Spagna.—Schettino, E. Il calore radiante della Luna: una prova per l'identità della radiazione termica e luminosa.—Manara, A. Controversie e curiosità sulla nomenclatura dei piccoli pianeti.—Badolati, E. Sopra una formula di Machin.—Banfi, V. Epicycles, from Hipparchus to Chandrasekhar.—Arrighi, G. Su alcune tavole astronomiche della Bibliot[e]ca nazionale braidense di Milano.—Vlora, N. R., and R. Falagario. Il calendario biblico.—Barlai, K. Remarks on the orientation of the medieval church at Kána, Hungary.—Romano, G. Deviazioni negli orientamenti del tipo Sol Aequinoctialis.—Codebò, M. Nuove indagini a Colle Joben (BZ).—Codebò, M. Prime indagini archeoastronomiche in Liguria.—Danhoni Neves, M. C. The universe of Ptolemy revisited.—Bònoli, F. L'astronomia a Bologna e il Catalogo del Museo della Specola.—Calabrese, V. L'archivio storico-scientifico dell'Osservatorio astronomico di Torino – Pino Torinese. Prime considerazioni.

Chaperon, Danielle. Camille Flammarion: entre astronomie et littérature. Ouvrage publié avec l'aide de la Faculté des lettres de l'Université de Lausanne. Paris, Éditeurs Imago, 1998. 212 p. illus., map.

Contents: Introduction.—ch. 1. La muse de l'observation.—ch. 2. Les bolides oculaires.—ch. 3. Le cinématographie céleste.—ch. 4. Les ondulations des siècles.—ch. 5. La mémoire cosmique.—ch. 6. La tristesse des astronomes.—ch. 7. La mélancolie scientifique.—ch. 8. Sens exquis et sens obtus.—ch. 9. La sélection des âmes.—ch. 10. Images et mutations.—ch. 11. La lanterne à projections.—ch. 12. Le vulgarisateur irrésistible.—Conclusion.—Chronologie.—Œuvres de Camille Flammarion.—Bibliographie.

Dörr, Stephen. Der älteste Astronomietraktat in französischer Sprache: *L'Introductoire d'astronomie*. Edition und lexikalische Analyse. Tübingen, M. Niemeyer, 1998. 208 p. (Beihefte zur Zeitschrift für romanische Philologie, Bd. 209)

Drakon i Zodiak. Sbornik stateĭ (po materialam konferentsĭi). Redaktor i sostavitel', É. N. Kaurov. Moskva, Izdatel' N. Z. Shvartś, 1997g. 100 p. illus. (Paleoastronomiĭá, arkhoeastronomiĭá, etnoastronomiĭá)

Contents: Kaurov, É. N. Predislovie sostaviteliá.—Kaurov, É. N. Sozvezdie Drakona: arkhaiskaiá sistema astronomicheskikh nablĭudenĭi.—Zhitomirskĭi, S. V. "IÁvleniĭá" Arata. Datirovka i analiz pervoistochnika.—Ershova, G. G. Zodiakal'nyĭ poiás v predstavleniĭákh mezoamerikantsev.—Karapet'ĭántś, A. M. Drevnekitaĭskĭi i drevneindiĭskĭi Zodiak.—Raevskĭi, D. S. Prostranstvo i vremiá: Zodiak i "zodiaki."—Kaurov, É. N. Prilozhenie: SETI i drevnie tśivilisatśii.

Duncan, David E. Calendar: humanity's epic struggle to determine a true and accurate year. New York, Avon Books, 1998. xv, 266 p. illus., port.

- Folley, Tom. *The book of the moon*. With a foreword by Sir Arnold Wolfendale. Philadelphia, Courage Books, 1997. 128 p. illus. (part col., part fold.) (A Quarto book)
 Contents: Introduction.—ch. 1. The wanderer.—ch. 2. Moonbeams and magic.—ch. 3. Key to the universe.—ch. 4. The lunar imagination, by Deirdre O'Day.
- Gaspani, Adriano, *and* Silvia Cernuti. *L'astronomia dei Celti; stelle e misura del tempo tra i Celti*. Aosta, Keltia, 1997. 175 p. illus. (Le Antiche querce, 10)
- Greenstein, George. *Portraits of discovery: profiles in scientific genius*. New York, J. Wiley, 1998. 232 p. illus., ports.
 Partial contents: 1. The ladies of Observatory Hill: Annie Jump Cannon and Cecilia Payne-Gaposchkin.—3. The magician: George Gamow.—8. Our address in the universe: Margaret Geller and John Huchra.
 Essays 1 and 3 were published "in slightly different form" in the *American Scholar*, summer 1993 and winter 1990, and no. 8, in the *Harvard Magazine*, Jan./Feb. 1994.
- Herbst, Klaus D. *Die Entwicklung des Meridiankreises, 1700–1850; Genesis eines astronomischen Hauptinstrumentes unter Berücksichtigung des Wechselverhältnisses zwischen Astronomie, Astro-Technik und Technik*. Bassum, Verlag für Geschichte der Naturwissenschaften und der Technik, 1996. 255 p. illus.
- Hernschier, Wolfgang. *Ich wollte, ich wäre ein guter Schuhflicker ... Das unglückliche Leben des bayerischen Astronomen Johann Nepomuck Fischer (1749–1805). Eine dokumentarische Biographie*. Bassum, Verlag für Geschichte der Naturwissenschaften und der Technik, 1997. 77, xxiii p. illus.
- Hey, Anthony J. G., *and* Patrick Walters. *Einstein's mirror*. Cambridge, New York, Cambridge University Press, 1997. 291 p. illus. (part col.), facsims. (part col.), maps, ports.
- Hochsieder, Peter, *and* Doris Knösel. *Les taules a Menorca; un estudi arqueo-astronomic*. Mahon, Institut Menorquí d'Estudis, 1995. 325 p. illus., maps, plans. (Treballs del Museu de Menorca, 14)
 Original title: *Die Taules von Menorca, eine archäoastronomische Forschung*.
- Hofer, Herbert G. *Höhlen als frühe Observatorien; die Entschlüsselung des Labyrinths?* Heimsheim, Jost-Jetter, 1996. 64 p. illus.
- Instruments of science*. An historical encyclopedia. Editors, Robert Bud, Deborah Jean Warner. New York, The Science Museum, London, and the National Museum of American History, Smithsonian Institution, in association with Garland Pub., 1998. xxv, 709 p. illus., facsims., ports. (Garland encyclopedias in the history of science, v. 2) (Garland reference library of social science, v. 936)
 Among the articles of interest to historians of astronomy and astrophysics are the following: Armillary sphere; Astrolabe; Astrolabe, mariner's; Charge-coupled device; Chronograph; Chronometer; Clock, regulator; Cometarium; Comparator, astronomical; Corona, instruments for observing the; Cosmic ray detector; Cross-staff: Diffraction grating and ruling engine; Dividing engine; Equatorium; Globe; Gravitational radiation detector; Heliostat; Interferometer; Nocturnal; Octant; Orrery; Photometer; Photomultiplier; Photon counter; Planetarium; Quadrant; Sextant; Solar neutrino detector; Spectrometer, gamma ray; Spectroscope (early); Spectroscope, astronomical; Sun-dial; Telescope (early); Telescope (modern); Telescope, new technology; Telescope, radio; Telescope, x-ray; Torquetum; Torsion balance; Transit circle; and Transit instrument.
- Kusukawa, Sachiko. *The transformation of natural philosophy: the case of Philip Melanchthon*. Cambridge, New York, Cambridge University Press, 1995. xv, 246 p. illus., facsims., ports. (Ideas in context, 34)
 The author gives much attention to Melanchthon's interest in astronomy and astrology; see particularly chapters 4 and 5, "The Providence of God" (p. 124–173) and "The Construction of Orthodoxy" (p. 174–200).
- Leopardi, Giacomo. *Storia della astronomia dalla sua origine fino all'anno 1813*. Con uno scritto di Armando Massarenti. Un'appendice di Laura Zampieri. Milano, La Vita felice, 1997. 459 p. (Philobiblon, 2)

M. N. Saha Centenary Seminar, *Calcutta, 1992*. The glittering spectrum of Meghnad Saha. Proceedings of M. N. Saha Centenary Seminar, 28–30 October 1992. Edited by Jayanta Basu. Calcutta, Saha Institute of Nuclear Physics, 1994. 162 p., [8] leaves (part fold.). illus., port.

Partial contents: Meghnad Saha and astrophysics. Dutta-Roy, B. Meghnad Saha: his journey to the physics of the stars. Bhattacharyya, J. C. Contributions of M. N. Saha in astrophysics. Abhyankar, K. D. Meghnad Saha and cosmic abundances of elements.—Meghnad Saha and atmospheric & space physics. Sen, A. K. Millimeter waves: solar emission and various applications. Dasgupta, A. Radio astronomy and atmospheric effects. Abstract.—Meghnad Saha and river research & calendar reform. Bandyopadhyay, A. Professor M. N. Saha's contribution to calendar reform.—Socio-economic role of Meghnad Saha. Mukherjee, H. N. Reminiscences on Meghnad Saha. Abstract. [Full paper in Bengali]—Appendices. Appendix I. Bio-data of Meghnad Saha. Appendix II. Scientific papers of Meghnad Saha.

Norton, O. Richard. *Rocks from space: meteorites and meteorite hunters*. Illustrated by Dorothy S. Norton. 2d ed. Missoula, Mont., Mountain Press Pub. Co., 1998. 447 p., [8] p. of plates. illus. (part col.), maps, ports. (part col.)

Includes chapters on meteorite showers, the Tunguska event and the Sikhote-Alin fall, Meteor Crater in Arizona, the discovery and recovery of famous meteorites, Harvey Nininger, and Robert Haag, "the meteorite man." There is also a "Selected List of Authenticated Impact Craters Worldwide" (p. 411–413).

Observatoire astronomique de Strasbourg. *Publications. Série Astronomie et sciences humaines. no 13*. Strasbourg, 1996. 136 p. illus., music, ports.

Contents: 22ième réunion. Dollfus, A. La grande lunette de Meudon. Proust, D. L'harmonie des sphères. Florschütz, A. Les cadrans solaires en Alsace: le vrai, le faux et l'aberrant.—21ième réunion. Andriolat, H. L'univers, de l'antiquité à nos jours. Jaschek, C. Les réunions salmantines d'"Astronomie dans la culture."—20ième réunion. Becker, C. Réflexions épistémologiques sur le temps ou les temps.—19ième réunion. Canguilhem, B. Les rythmes biologiques: de la biologie moléculaire au comportement.

Oechslin, Ludwig. *Astronomische Uhren und Weltmodelle der Priestermechaniker im 18. Jahrhundert*. Neuchâtel, A. Simonin, 1996. 2 v. + portfolio. illus.

The text and catalog volumes are accompanied by a portfolio containing mechanical drawings.

Olson, Roberta J. M., and Jay M. Pasachoff. *Fire in the sky: comets and meteors, the decisive centuries, in British art and science*. Epilogue by Colin Pillinger. Cambridge, New York, Cambridge University Press, 1998. xiv, 369 p., [32] p. of plates. illus. (part col.), facsim. (part col.), ports. (part col.)

Oriental astronomy from Guo Shoujing to King Sejong. Proceedings of an international conference, Seoul, Korea, 6–11 October 1993. Edited by Nha I.-S., F. Richard Stephenson. Seoul, Yonsei University Press, 1997. 401 p. illus., maps, plans, ports. (part col.)

Contents: 1. Introductory lectures. Nha, I.-S. Opening address. Stephenson, F. R. The impact of Guo Shoujing and King Sejong on oriental astronomy.—2. Astronomers and history. Bo, S. An outline of Guo Shoujing's astronomical work. Park, S.-R. King Sejong: astronomer-king of Korea, 1397–1450. Cui, S. Astronomy and culture in China. Wu, X. Remarks on the history of astronomy during the period of King Sejong. Kim, O. K. Yi Soonji, a prominent court astronomer of King Sejong. Du, S. Chinese astronomy after Guo Shoujing to the early days of the Ming dynasty.—3. Observatories and astronomical boards. Xu, Z.-T. Two observatories at the beginning of the Ming dynasty. Li, Q. Beijing Astronomical Observatory in the Yuan dynasty. Luan, X.-L., and S. Bo. Yuanzhou ancient observatory as a time service station. Yu, K.-L. A brief history of the Bureau of Astronomy in the Koryo and early Choson dynasties.—4. Comparative studies. Park, S.-R. Pak An-Gi and the Japanese calendar of 1683 by Shibukawa Harumi. Chen, K.-Y. The east-west interaction: a background to oriental astronomy in the thirteenth-fifteenth centuries. Chen, J.-J.

Comparative research between the Huihui calendar, Chiljngsan Oepin and Qizheng Tuibu. Yano, M. Distance of planets in Indian astronomy. Rahimi, M. F. Abu-Rayhan-Birouni, an outstanding Iranian astronomer of the 11th century. Jiang, X. The contact of Chinese and Islamic astronomy in the 13th century.—5. Observation records and modern scientific applications. Hasegawa, I. Daytime fireballs recorded in China and Japan. Kim, Y. Statistics of astronomical records in Korea during AD 1200–1450.

Stephenson, F. R. Accuracy of medieval Chinese measurements of lunar and solar eclipse times. Liu, C., and F. R. Stephenson. Some results obtained from a study of the 800 lunar records in the Yuan-shi.—6. Instrumentations. Nha, I.-S. Refined revivals of Guo Shoujing's instruments and the invented instruments made for King Sejong's royal observatory. Leung, K.-C. Ancient astronomical instruments in China. Li, Q. Application of pinhole imaging principle in Guo Shoujing's measurements of tropical year. Situ, D., and S. Yi. The gnomon in the Yuan dynasty and Dengfeng observatory. Yi, S. Re-elaboration on scaphe sundial and scaphe.—7. Star atlases and catalogues. Pan, N. Differences between the constellations as envisaged in ancient China and Korea, and their relations around the Middle Ages. Lee, Y.-S., and K.-K. Park. Computer scanning techniques applied to the 1395 stone star map Ch'nsang Ylcha Bunya Jido. Sun, X., S. Bo, and J. Kistemaker. The Tian Wei Hui Chao star catalogue of the early Ming. Chen, M.-D. A preliminary study of two star charts from the early Ming dynasty of China. Nishiyama, M. Myanmar (Burmese) constellations on old Myanmar sky charts.—8. Timekeeping and calendar making. Nam, M.-H., and S.-W. Jeon. Timekeeping systems of early Chosn dynasty. Hua, T. The water clock of the Ming dynasty. Guo, S. Comparison between Korean Jade Clepsydra and Chinese clepsydras. Lee, E.-H. The Ch'iljngsan Naepin, an adopted version of the Soushi-li and Datong-li. Kang, Y.-W., and E.-H. Lee. Cross-index of dates used in Chinese, Korean and Japanese calendars for the period, 1401–1450. Okada, Y. The birth and the spread of "kana" calendar. Leung, K.-C., and Y. Lu. The Tianyuan Fawei by Bao Yunlong.—9. Concluding remarks and editor's note. Chen, K.-Y. Concluding remarks. Nha, I.-S. Editor's note: romanization of Chinese, Korean and Japanese terms used in the text.—Appendix. Cross index of dates used in Chinese, Korean and Japanese calendars for the period, 1401–1450.

Papers on the Madrid Codex. Edited by Victoria R. Bricker and Gabrielle Vail. New Orleans, Middle American Research Institute, Tulane University, 1997. 196 p. illus. (Middle American Research Institute. Publication 64)

Contents: 1. Bricker, V. R. The structure of almanacs in the Madrid Codex.—2. Nagy, C. L. von. Some comments on the Madrid deer-hunting almanacs.—3. Vail, G. The deer-trapping almanacs in the Madrid Codex.—4. Bill, C. R. The roles and relationships of God M and other black gods in the codices, with specific reference to pages 50–56 of the Madrid Codex.—5. Graff, D. H. Dating a section of the Madrid Codex: astronomical and iconographical evidence.—6. Bricker, V. R. The "calendar-round" almanac in the Madrid Codex.

Peperoni, Laura, and Marina Zuccoli. Vultus Uraniae. Raffigurazioni di Urania nella Biblioteca del Dipartimento di Astronomia. Bologna, Biblioteca Universitaria di Bologna, 1996. 32 p. facsimis.

Italian and English in parallel columns.

Contents: La tradizione mitologica. The mythological tradition.—Trattati di astronomia dedicati ad Urania. Astronomical treatises named after Urania.—Jan Hevelius.—Urania nell'iconografia astronomica. Urania in astronomical iconography.—Effemeridi. Ephemerides.—Le suggestioni di Urania nei secoli. Urania's suggestions during the centuries.

Philibert, Myriam. Stonehenge et son secret. Monaco, Éditions du Rocher, 1994. 340 p. illus., plans. (Brocéliande)

Contents: Soleil levant sur la Heel Stone.—1. ptie. Stonehenge face à l'histoire. La genèse du site. Les aménagements successifs. Les années obscures. Les travaux récents.—2. ptie. Stonehenge et l'espace-temps. Stonehenge et les îles Britanniques.

Stonehenge et son temps. Stonehenge, terre sacrée. Le calendrier de Stonehenge.—3. ptie. Le message de Stonehenge. Les symboles. Les légendes. Initiation et classes sociales. L'initiation supérieure et la tradition.—Un an et un jour. Annexe. Glossaire. Bibliographie. Index géographique.

Problemy prostranstva, vremeni, dvizheniâ. Sbornik trudov IV Mezhdunarodnoï konferentsii, posviâshchenno 400-letiiû Dekarta i 350-letiiu Leibnitša. (Sentiâbr' 23–29, 1996, Sankt-Peterburg, Rossiiâ.) t. 1. Sankt-Peterburg, Rossiïskaiâ akademiâ nauk, OAO "SPb-Tekhnologiiâ," 1997. 200 p. illus.

Contents: ch. 1. Istoriko-filosofskie voprosy estestvoznaniâ. Nevskaiâ, N. I. Dekart, Leibnitš i Peterburgskaiâ astronomicheskaiâ shkola XVIII v. Nizovtšev, V. V. Kartezianstvo i problemy sovremennoï fiziki. Kuznetšova, A. B. Dekart i pervye shagi N'iutonianstva v Rossii. Baloshina, N. IÛ. Filosofskaiâ doktrina G. Leibnitša i ee znachenie dlia stanovleniâ nauchnoï mysli v Rossii. Malyshev, I. M. Kartina mira: kul'turno-istoricheskoe mnogoobrazie i problema sinteza. Zhukov, L. V. Nekotorye trudnosti, sviâzannye s vospriâtiem prostranstvenno-vremennykh otnosheniï studentami pedagogicheskogo universiteta.—ch. 2. Aberratsiiâ sveta. Parshin, P. F. Klassicheskaiâ teoriâ aberratsii sveta i effekt San'iâka. Tolchel'nikova, S. A. Geometriâ i zvezdnaïâ aberratsiiâ. Tolchel'nikova-Murri, M. S. Ch. Zvezdnaïâ aberratsiiâ pri vozrossheï tochnosti nabliûdenii i pri bol'shikh skorostiâkh dvizheniâ nabliûdateliâ. Tolchel'nikova-Murri, S. A., and S. N. Sadzhakova. Zvezdnaïâ aberratsiiâ v uchebnikakh fiziki i astronomii. Murri, S. A. K voprosu o meste geometrii v estestvoznanii.—ch. 3. Astronomiiâ. Bogdanov, V. I. K voprosu ob anomal'nom smeshchenii perigeliâ orbity Merkuriiâ. Renshaw, C. E., and W. M. Kallfelz. The gravitational potential for a moving observer, the perihelion shift of Mercury and photon deflection. IÛrkina, M. I. Effekt Eïlera i neberarkhichnost'. Browne, P. F. Zero-point radiation and anomalous astrophysical redshifts. Renshaw, C. E. Pulsar timing, superluminal jets and the special theory of relativity. Bursha, M., G. V. Dem'iânov, and M. I. IÛrkina. Ob opredelenii modeli zemli—obshchego zemnogo ellipsoida. Smirnov, B. N., and S. A. Tolchel'nikova-Murri. Mozhno li opredelit' inertšial'noe dvizhenie solnečno sistemy, opiraiâs' na ideiû Maksvela?

Each paper is preceded by an abstract in English.

Razvoj astronomije kod Srba. Development of astronomy among Serbs. Edited by M. S. Dimitrijević, J. Milogradov-Turin and L. C. Popović. Beograd, 1997. 275 p. illus., ports. (Publikacije Astronomske opservatorije u Beogradu, sv. 56)

Proceedings of a conference held Apr. 7–9, 1997, in Belgrade. Each paper is followed by an abstract in English.

Contents: Kanazir, D. Proslava 110 godina Astronomske opservatorije 7. 4. 1997.—Dimitrijević, M. S. 110 godina Astronomske opservatorije.—Dimitrijević, M. S. Razvoj astronomije kod Srba od početka XVIII veka do prvog svetskog rata.—Tadić, M. Nacrt za katalog naših sunčanika.—Francisti, J. Prvi članak u srpskoj štampi o pojavi Halejeve komete na našem nebu.—Trajkovska, V., and S. Ninković. Lokijerova "Astronomija" kod Srba u drugoj polovini XIX veka.—Đokić, M. Neke primedbe o osnivačkom aktu opservatorije Velike škole u Beogradu.—Milogradov-Turin, J. Jedan prilog istoriji Katedre z astronomiju Univerziteta u Beogradu.—Popović, L. Č. Razvoj i aktivnosti Astronomskog društva "Ruđer Bošković."—Francisti, J. Astronomsko društvo "Novi Sad"—ADNOS.—Babović, V. Multidisciplinarnost u razvoju Belerofonta.—Salim, S. Astronomija u Istrazivačkoj stanici Petnica.—Gajić, D. Ž. Astronomija i astrofizika na univerzitetu u Nišu.—Sekulić, M. Astronomsko društvo "Alfa"—Niš.—Naumovski, K., and M. Bracić. Astronomsko društvo u Zrenjaninu.—Dimitrijević, M. S. Đorđe Stanojević prvi srpski astrofizičar.—Milićević, V. Naučni rad Milutina Milankovića.—Arsenijević, J., A. Kubičela, and A. Oskanjan. Oskanjan—osnivanje i rad grupe za astrofiziku.—Popović, G. M. Naučni i stručni rad Pera M. Đurkovića.—Pakvor, I. Naučna i stručna delatnost mr Milana Mijatova.—Đorđević, R. Milankovićeve

- filosofske ideje i njihova aktuelnost.—Jovanović, B. D. Nastava iz astronomije kod nas, I.—Tomić, A. Takmičenje učenika iz astronomije u Srbiji 1965–1996. godine.—Milogradov-Turin, J. Astronomija na seminarima za nastavnike u Srbiji.—Dačić, M., and Z. Cvetković. O posmatranjima zvezda DS programa na Meridijanskom krugu u Beogradu.—Kubičela, A., and J. Arsenijević. Ekspedicija Astronomske opservatorije za posmatranje potpunog pomra_enja Sunca 1961.
- Reeves, Hubert. *Intimes convictions. Entretiens avec André Comte-Sponville, Sylvie Bonnet, Véronique Chica, Charles Juliet, François Bon, Gilles Derome.* Vénissieux, Éditions Paroles d'aube, 1997. 91 p. ports.
- Reis, António E. dos. *O único exemplar vivo do nónio de Pedro Nunes?* Lisboa, Academia de Marinha, 1995. 44 p. illus.
- Schiaparelli, Giovanni V. *Scritti sulla storia della astronomia antica.* t. 1. Scritti editi. pt. 1. Milano, Mimesis, 1997. 462 p. illus.
Reprint of the 1925 edition.
- Schwaetzer, Harald. "Si nulla esset in terra anima." Johannes Keplers Seelenlehre als Grundlage seines Wissenschaftsverständnisses. Ein Beitrag zum vierten Buch der Harmonice Mundi. Hildesheim, New York, G. Olms, 1997. 336 p. (Studien und Materialien zur Geschichte der Philosophie, Bd. 44)
- Śnieżyńska-Stolot, Ewa. *Ikografia znaków zodiaku i gwiazdozbiorów w średniowieczu.* [Redaktor, Henryk Babral] Kraków, Wydawn. i Druk. "Secesja," 1994. 85, [2] p. illus.
English summary: p. [86]
- Sollbach, Gerhard E. *Die mittelalterliche Lehre vom Mikrokosmos und Makrokosmos.* Hamburg, Verlag Dr. Kovač, 1995. 131 p. facsims.
- Souden, David. *Stonehenge revealed.* New York, Facts on File, 1997. 160 p. illus. (part col.), col. maps, plans (part col.), ports. (part col.)
See particularly the chapter entitled "Ritual and the Heavens" (p. 118–139).
- Šprajc, Ivan. *La estrella de Quetzalcóatl: el planeta Venus en Mesoamérica.* México, D.F., Editorial Diana, 1996. 224 p., [32] p. of plates. illus. (part col.), col. facsims., plan. (Arqueoastronomia)
Contents: Prólogo.—Introducción.—1. Los itinerarios del astro errante.—2. Los libros sagrados.—3. Lluvia y maíz.—4. La guerra y el sacrificio.—5. Ideas y orígenes.—Reflexiones finales.
- Stautz, Burkhard. *Untersuchungen von mathematisch-astronomischen Darstellungen auf mittelalterlichen Astrolabien islamischer und europäischer Herkunft.* Bassum, Verlag für Geschichte der Naturwissenschaften und der Technik, 1997. 287 p. illus.
English summary: p. 123–124.
- Swerdlow, Noel M. *The Babylonian theory of the planets.* Princeton, N.J., Princeton University Press, 1998. xv, 246 p. illus.
- Symposium: *Astronomy at the Dawn of the Renaissance, Liège, 1997.* [Proceedings] Edited by Raymond Mercier. Cambridge, Science History Publications, 1998. 91–210 p. illus. (Journal for the history of astronomy, v. 29, pt. 2)
Contents: Samsó, J. An outline of the history of Maghribi zijes from the end of the thirteenth century.—Pingree, D. Some fourteenth-century Byzantine astronomical texts.—Tihon, A. The astronomy of George Gemistus Plethon.—Mercier, R. The astronomical tables of George Gemistus Plethon.—Kokott, W. Syzygies as pivots: an unusual mid-fifteenth-century working ephemeris.—Langermann, Y. T. Peurbach in the Hebrew tradition.—Federici Vescovini, G. The place of the sun in medieval Arabo-Latin astronomy: the *Lucidator dubitabilium astronomiae* (1303–10) of Peter de Padua.—Shank, M. H. Regiomontanus and homocentric astronomy.—Chabás, J. Astronomy in Salamanca in the mid-fifteenth century: the *Tabulae resolutae*.—Goldstein, B. R. Abraham Zacut and the medieval Hebrew astronomical tradition.—Kremer, R. L., and J. Dobrzycki. Alfonsine meridians: tradition versus experience in astronomical practice c. 1500.—Pouille, E., and D. Savoie. La survie de l'astronomie alfonsine.—Notes on contributors.

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A color photograph of the sun temple at Modhera is reproduced on the outside front cover of the issue.

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- About Eeltje Haitjes Bonnema (1763–1833).
- North, John D. Olaf Pedersen (1920–1997). *Journal for the history of astronomy*, v. 29, May 1998: 211–214. port.
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- Randles, W. G. L. The emergence of nautical astronomy in Portugal in the XVth century. *Journal of navigation*, v. 51, Jan. 1998: 46–57.
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Seitter, Waltraut C., and Albert Bruch. Nachruf: Hans Strassl †. 1907–1996. *In* Astronomische Gesellschaft. Mitteilungen. Nr. 80. Hamburg, 1997. p. 15–17. port.

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"This astronomer-turned-soldier was among Harvard Observatory's most colorful figures."

Includes a box, "American Astronomy's Shaky Start" (p. 73).

See also the letter from Jeff Medkeff, "Ring-Division Discoverers," and the response from Sheehan and O'Meara, in the July 1998 issue, p. 12.

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Sullivant, Rosemary. When the apple falls. *Astronomy*, v. 26, Apr. 1998: 54–59. ports. (part col.)
"Isaac Newton brought order and understanding to a universe of apparent complexity."

Tammann, Andreas. Nachruf: Wilhelm Becker †. 1907–1996. In *Astronomische Gesellschaft. Mitteilungen*. Nr. 80. Hamburg, 1997. p. 9–11. port.

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Ten Ros, Antonio E., Joaquín Castro Soler, and José M. López Piñero. José Monserrat y Riutort y el primer descubrimiento de la fotografía astronómica: las fotografías del eclipse del sol de 1860. *Archives internationales d'histoire des sciences*, v. 47, juin 1997: 3–26. illus., port.

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Thompson, Richard. Planetary diameters in the *Surya-siddhanta*. *Journal of scientific exploration*, v. 11, summer 1997: 193–200.

"This paper discusses a rule given in the Indian astronomical text *Surya-siddhanta* for computing the angular diameters of the planets. By combining these angular diameters with the circumferences of the planetary orbits listed in this text, it is possible to compute the diameters of the planets. When these computations are carried out, the results agree surprisingly well with modern astronomical data. Several possible explanations for this are discussed, and it is hypothesized that the angular diameter rule in the *Surya-siddhanta* may be based on advanced astronomical knowledge that was developed in ancient times but has now been largely forgotten."

Tidey, Steve. Mount Palomar. *Astronomy now*, v. 12, June 1998: 56–57. illus., port.

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