

INTERNATIONAL UNION OF THE HISTORY
AND PHILOSOPHY OF SCIENCE
(IUHPS)



NEWSLETTER

*Commission on History of Science &
Technology in Islamic Societies*

**INTERNATIONAL UNION OF THE HISTORY
AND PHILOSOPHY OF SCIENCE (IUHPS)**

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<http://islamsci.org>

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Past Presidents:

2009-10: Mercè Comes, Spain

2005-2009: F. Jamil Ragep,
USA/Canada

2001-2005: Gül Russell, USA

1997-2001: Julio Samsó, Spain

1993-1997: S.M.R. Ansari, INDIA

1989-1993: E. S. Kennedy, USA

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1. Messages from the President and Secretary

Message from the President:

To the members of the Commission on History of Science and
Technology in Islamic Societies.

We have all been shocked by the tragic and untimely death of our late president, Dr. Mercè Comes, on February 26, 2010. Mercè was buried on March 1 in the town of Valldoreix, near Barcelona. Thanks to our member Dr. Miquel Forcada, a bouquet (in fact, what florists call a "cushion" of flowers) and a band with the name of the Commission accompanied her until she was buried. Professors Julio Samsó and Roser Puig in Barcelona have written an In Memoriam, which has now appeared on the website of the Commission, and which will appear in printed form in the journal *Suhayl*. In her relatively short time interval as President, Mercè has done a lot for the Commission and we will miss her abilities and her enthusiasm very much.

According to Section 9 of the Governance Document of the Commission, which can be found on www.islamsci.org, the Vice-President shall fulfill the office of the President when the President is unable to do so. I will do my best to serve as the President of the Commission until the next election in 2013. I accept this office with sadness, and hope for your support. We will all miss Mercè immensely. In order to create some time for my service to our Commission, I have resigned as the Treasurer of the International Commission of the History of Mathematics.

In accordance with Section 10 of the Governance Document, the remaining Governing Council of the Commission has unanimously elected Dr. Emilia Calvo of Barcelona to serve as Vice President. I want to express my gratitude to Dr. Calvo for her willingness to serve and am glad that in this way the Commission will continue to have a formal link with the Barcelona research group in history of Islamic Science.

Mercè Comes was responsible for maintaining the website of the Commission. We have now transferred the website to the new address www.islamsci.org. The website will be maintained by my student Mr. Alexander Vervuurt at Utrecht, and you can send him any suggestions and corrections at the email address webmaster_at_islamsci.org

I hope that the Commission will flourish in the coming years. If you know of any researchers in History of Islamic Science and Technology who are not yet members of the commission, please encourage them to apply for membership of the Commission. Prospective applicants should submit to a member of the Governing Council a CV with a brief email stating their interest in joining the Commission.

With my best wishes to all of you,

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Jan P. Hogendijk
Utrecht, Netherlands

Message from the Secretary:

Hello everyone. I would like to welcome you, more formally, to our new web address and to this updated version of the 2011 newsletter. Besides managing the listserv, producing the newsletter is the other major duty of the office of Secretary. I hope the newsletter continues to be an important source of information for developments in the field.

My thanks are due, above all, to the membership for responding to my request for information about ongoing research, publications, teaching, and recent conferences. Most of the contents of this newsletter are based solely on your responses.

This full version of volume twelve includes not only the information about publications that was distributed in the Spring, but also accounts of recent conferences, lists of journals of interest to members, and online sources. I have double-checked and, when necessary, updated the web addresses listed in earlier newsletters. When possible, I added new information.

I would also like to thank the members of the Commission who write in to inform me of changes of their coordinates. Although our field is not the largest, it is quite geographically diverse. Up-to-date addresses are critical to fostering communication among the membership.

Sincerely,
Robert Morrison
Brunswick, Maine, USA

2. JOURNALS, SERIES, AND NEWSLETTERS

Aestimatio: Critical Reviews in the History of Science. Its primary aim is to promote the study and research of pre-modern science in the history of science. Volume 7 (2010) is now available online.

<http://www.ircps.org/publications/aestimatio/aestimatio.htm>

Arabic sciences and philosophy: A historical journal. This journal, with the assistance of the CNRS, has been publishing articles through Cambridge University Press since 1991, with abstracts in French and English. The first issue of volume 21 (2011) is available.

<http://journals.cambridge.org/action/displayJournal?jid=ASP>

Archive for History of Exact Sciences. This journal was established in 1960 and is devoted to mathematics and natural philosophy.
<http://www.springer.com/math/journal/407>

Bilim Tarihi (History of Science [in Turkish]). For a list of earlier publications by this organization, see
<http://www.bilimtarihi.org/gecyay.htm>
<http://www.bilimtarihi.org/>

CHAMA: Commission for History of Ancient and Medieval Astronomy. The Commission is dedicated to research concerning the astronomical heritage of all cultural areas of the world; for more information, contact Alexander Jones, Institute for the Study of the Ancient World, New York University, alexander.jones@nyu.edu. The newsletter (Vol. 7[2], June 2010) is available:
<https://sites.google.com/site/chamaiuhps/home/newsletters>

Ganita Bharati: Bulletin of the Indian Society for History of Mathematics. The society is based in New Delhi, India. Volume 30, issue two (July-December, 2008) of the society's bulleting is now available.
<http://www.mdpppl.com/journal/ganita-bharati-bulletin-indian-society-history-mathematics>

Historia Scientiarum: The International Journal of the History of Science Society of Japan. The journal was founded in 1962 as *Japanese Studies in the History of Science*, and had been published 3 times per year. The last volume was Vol. 8, no. 3 (March 1999).
<http://wwwsoc.nii.ac.jp/jshs/publ2.html>

History of Science in Southeastern Europe. A newsletter published by the History of Science Programme, INR, National Hellenic Research Foundation IAA, National Observatory of Athens (No. 10, January, 2008).
<http://www.eie.gr/institutes/kne/ife/newsletter/nwsntr10.pdf>

ICHA Newsletter: Newsletter of the Inter-Union Commission for History of Astronomy. The International Astronomical Union (IAU) was founded in 1919 to promote the science of astronomy. The Commission (<http://www.historyofastronomy.org/>) was created in 1948 with Otto Neugebauer as its first President. Volume 11 (January 2011) is available: http://www.le.ac.uk/has/icha/documents/icha_news_11.pdf

Indian Journal of History of Science (IJHS). This refereed journal is published by the Indian National Science Academy (INSA) which was founded in 1935. Centered in New Delhi, they also publish two other journals: the *Proceedings of the Indian National Science Academy* and the *Indian Journal of Pure and Applied Mathematics (IJPAM)*. For more information, contact: Dr. A.K. Bag, Editor (ijhs@insa.nic.in)
<http://insa.ac.in/html/home.asp>

Islam & Science: Journal of Islamic Perspectives on Science. Started in 2003, this journal is published by the Center for Islam and Science (CIS) twice a year. Volume 8, number 2 (Summer, 2010) is now available.
<http://www.cis-ca.org/islamscience.php>.

JHAS: Journal for the History of Arabic Science. This journal is published by the Institute for the History of Arabic Science at the University of Aleppo, Syria. It was established in 1977 by Ahmad Y. al-Hassan (who at the time was both President of Aleppo University and Director of the Institute), with Sami K. Hamarneh and E.S. Kennedy. For information, contact Moustafa Mawaldi: ihas@alepuniv.shern.net
 Volume 14 (2008) is available. The Institute for the History of Arabic Science also publishes a Newsletter (most recent issue: Vol. 81, July 2008).

JISHIM: Journal of the International Society for the History of Islamic Medicine. Volumes 8-9 (2009-10) are now available. The journal is accessible online.
<http://www.ishim.net/newsletter.htm>

Journal of Arabic and Islamic Studies. This is a refereed journal which is published on the Internet. Vol. XI, 2011 is available.
<http://www.lancs.ac.uk/jais/>

Kutadgubilig Felsefe-Bilim Arařtırmaları Dergisi, (Istanbul, Turkey) [The Kutadgubilig Philosophy-Science Research Institute; in Turkish]. Number 17 (March, 2010) of their journal is now available.
<http://www.kutadgubilig.com/04-icindekiler/>

Miras Maktoob. This is the web site of The Written Heritage Research Center in Tehran. For more information, contact Dr. Akbar Irani
 info@mirasmaktoob.ir
<http://www.mirasmaktoob.ir/>

Nâmeḥ-ye Bahârestân. This is an International Journal for Islamic Manuscript Research, published in Tehran, Iran.

Osmanlı Bilimi Araştırmaları (Studies in Ottoman Science). For more information, contact: Dr. Feza Günergun, Istanbul University, Istanbul, Turkey at fezagunergun@yahoo.com. Volume 11 has appeared. <http://www.bilimtarihi.org/OBA/oba.htm>

SCIAMVS: Sources and Commentaries in Exact Sciences. The annual journal provides studies on original sources in the field, especially critical editions of unpublished texts and their translations together with comments and notes, as well as reviews of books. Sample pages from Volume 11 (2010) and past volumes are available to download at:
<http://www.sciamvs.org/>

Suhayl: Journal for the History of the Exact and Natural Sciences in Islamic Civilisation. This journal is published by the Arabic Dept of the Univ. of Barcelona annually, and contains papers, surveys, documents, and reviews, written in English or Arabic. Vol. 9 (2009-10) is available. That is the first volume published in cooperation with the Commission on the History of Science and Technology in Islamic Societies. Contact: suhayl@ub.edu
<http://www.ub.es/arab/lilibrevs/Suhayl.htm>.

Tarikh-i Ilm. This is a journal published by the Institute of History of Science, Tehran University, Iran. The most recent issue is Volume no. 4, Autumn & Winter 2005-6.
<http://utihs.ut.ac.ir/en/magazine.htm>

Zeitschrift für Geschichte der arabisch-islamischen Wissenschaften. The editor of the journal is Fuat Sezgin, Institut für Geschichte der Arabisch-Islamischen Wissenschaften an der Johann Wolfgang Goethe-Universität, Frankfurt am Main, Germany. Volume 18 (2008/09).
<http://web.uni-frankfurt.de/fb13/igaiw/publication/zeitschrift.html>

3a.) Upcoming Conferences

01-05 August 2012–9th Biennial Iranian Studies Conference (Istanbul, Turkey). In partnership with Iran Heritage Foundation and the co-sponsorship of American Institute for Iranian Studies and the Foundation for Iranian Studies. ISIS particularly encourages works that are devoted to areas of transnational inquiry and which probe new scholarly approaches to Iranian

Studies. ISIS also welcomes submissions on all aspects of the Turko-Iranian history and culture. The primary language of the conference will be English, and scholars are strongly encouraged to use that language; proposals for papers in Persian will also be considered. Prearranged panels are strongly encouraged. For information, contact 2012program@iranianstudies.com. Access forms for submissions (300-word max. for abstracts), from: <http://iranianstudies.com/conferences/2012/submission/>.

The First International Congress of Eurasian Maritime History will be organized in 2012 in Istanbul. Colleagues working on Islamic maritime history are most welcome. Contact: Feza Günergun, Dept. History of Science, Istanbul University. Congress details are at: <http://congress2012.pirireis.edu.tr/>

3b.) Previous Conferences

Members presented the following papers at the 23rd International Congress for the History of Science and Technology in Budapest (July 28-August 2, 2009)

<p>Texts, Instruments and Learning in the 14th Century Maghrib. The Sine Quadrant as a Didactical Resource Maravillas Aguiar Aguiar</p>	<p>Mohammad Bagheri Ptolemaism in al-Andalus: Jābir b. Aflah and the Evolution of the Term Hay'a José Bellver</p>
<p>The Indian Scholar Khayrullah Muhandis and His Persian Translation of Al-Tusi's Recension of Almagest S.M. Razaullah Ansari</p>	<p>Evolution, Functioning and Capacity of the Mediterranean Windmills Atilla Bir, Mustafa Kaçar</p>
<p>Darwin in Non-Western Nationalist Thought Cemil Aydin</p>	<p>Patronage of Astronomy and Astrology in Post-classical Islamic Societies Sonja Brentjes</p>
<p>The Ottoman Royal Cannon Foundry: "Tophane-I Amire" Salim Aydüz</p>	<p>Trigonometric Instruments in Medieval Islam. New Perspectives and Possibilities Emilia Calvo</p>
<p>Combinatorial Problems on Chessboard from 11th Century Iran</p>	

“Stealing the Water” and Commenting on the Void. Philosophical and Technological Aspects of the Greek and Arabic Perceptions of the Clepsydra

Constantin Canavas

Medieval Arabic Astronomical Instruments with Astrological Functions

Josep Casulleras

al-Mursî's Nautical Chart in the Mediterranean Context

M. Mercè Comes

Tasyir in the Islamic West: Ibn Abi-l-rijal and Alfonso X

Montse Díaz-Fajardo

A Hidden School: The Scientists-Philosophers of the 12th Century in al- Andalus

Miquel Forcada

Environmental Studies about Cities in Medieval Islam

Lutfallah Gari

Exposing the Forgery of an Astronomical Instrument: An Alleged Moroccan

Astrolabe Dated 1845

Ingrid Hehmeyer

Ibn Fadlallah on the Nautical Winds

Mónica Herrera-Casais, Mohsen Zakeri

Islam and Modern Science

(plenary lecture)

Ekmeleddin Ihsanoglu

The Experimental and Instrumental Contexts of Early Arabic Optics

Elaheh Kheirandish

Several Remarks on the “Ashkāl al-Ta’sīs” by al-Samarqandī and Commentaries on it by al-Rūmī

Irina Lyuter

Le Géographe a l’Idrisi dans l’Historiographie Espagnole Pendant les XVIIIe et XIXe Siècles

Juan Martos Quesada

Introducing the Edition of the Handy Tables of Ptolemy

Raymond Mercier

The Correlation between Local Culture & Public Spaces along the History of Islamic Cities (Case Study, Loft Port, Qeshm Island)

Mehri Mohebbi, Amir Saeed Mahmoodi

Astrology in Early Kalām and Tafsīr

Robert G. Morrison

<p>The Simple Version of the Sarrājiyya Instrument (14C): Textual and Technical Remarks Roser Puig</p>	<p>The Sultan and the Stars: The Kitab al-Tabsira fi ilm al-nujum of al-Ashraf Umar Petra G. Schmidl</p>
<p>Bīmāristān al-Manṣūrī: State and Medical Practice in Mamluk Egypt (1285-1304) Ahmed Ragab</p>	<p>Knowledge Secrecy and the Chinese Assimilation of Islamic Astronomy in the 14th Century Yunli Shi</p>
<p>The Qibla, From the Sky to the Sea Monica Rius</p>	<p>The Boundaries of Trigonometry: Al-Samaw'al and the 480-Degree Circle Glen R. Van Brummelen</p>
<p>Ibn al-Raqqam's al-Zij al-Mustawfi Julio Samsó</p>	<p>Mathematical Astrology in Astronomical Handbooks Benno van Dalen</p>
<p>Yavana-yantra to Yantra-rāja Sreeramula Rajeswara Sarma</p>	<p>Buddhist Astronomy in its Cultural Context Michio Yano</p>

In the following panels, Commission members are in bold type:
The "Rational Sciences in Islam" (RaSI) Database: Introduction and Preliminary Findings

At the Middle East Studies Association annual meeting Nov. 21-24, 2009

Organized by Robert J. Wisnovsky, McGill U

F. Jamil Ragep–The Rational Sciences in Islam (RaSI) Project: Exposing the Innards

Adam Gacek, McGill U–Digitizing Arabic Manuscripts for the RASI Project: Some Metadata Issues

Sally Ragep, McGill U–The Astronomical Commentary Tradition: Do Numbers Count?

Reza Pourjavady, McGill U–Philosophy in Shiraz in the Late 15th Century

Ihsan Fazlioglu, Some Reflections on the Second Istanbul Philosophical Circle

Rethinking the Emergence of Islamic Science

At the History of Science Society Annual meeting Nov. 4-7, 2010

Chair: **Sally Ragep**, McGill University

Organizer and Commentator: **F. Jamil Ragep**, McGill University

Early Islam’s Reactions to Astrology

Robert Morrison

Narratives of Science

Keren Abbou Hershkovits, McGill University

Dead Texts Versus Living Teachers: Remarks on the Transmission of Greek Mathematics into Arabic

Jan P. Hogendijk

Why Greek Rational Sciences Were Needed in the Abbasid Court

Taro Mimura, McGill University

Waqfiyyas and the Rational Sciences

McGill University, Institute of Islamic Studies

Montreal, March 15, 2010

Sponsored by the Canadian Research Chair in the History of Science in Islamic Societies

Maria Subtelny: Waqfiyyas from eastern Iran and Central Asia as evidentiary sources for the study of the rational sciences in Islam

Adam Gacek: Evidence of waqf in manuscripts for specific disciplines with reference to 19th-century Ottoman defters

Ihsan Fazlioglu: Waqfiyyas, libraries, and curricula with emphasis on the rational sciences

Reza Pourjavady: Rab`-i Rashidi: The Tabriz madrasa of Rashid al-Din

Borders and Gates or Open Spaces? Knowledge Cultures in the Mediterranean During the 14th and 15th Centuries

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Organizers: Sonja Brentjes and José Ferreirós, Universidad de Sevilla, Sevilla

December 17-20, 2010

The following Commission members were on the program:

Sonja Brentjes

Were Different Cultural Spaces Available to Portolan Chart Makers in the 14th and 15th Centuries?

Miquel Forcada

Withdrawal, Resistance and Transformation of Arabo-Islamic Science in Spain between the 13th and 14th Centuries

4. CONFERENCE PAPERS

S. Aydüz

28 July- 02 August 2009. "The Ottoman royal cannon foundry: "Tophane-i Amire," XXIII International Congress of History of Science and Technology, Budapest, Hungary.

3-5 November 2009. "The routes of Gunpowder to Europe," 29th International conference on The History of Arabic Science, Institute for the History of Arabic Science, University of Aleppo.

19-20 June 2009. "Katip Çelebi'nin Osmanlı Medreseleri Müfredatı İle İlgili Tespitleri Ve Önerileri Üzerine Bir Değerlendirme," 400. Doğum Yıldönümünde Kâtip Çelebi Uluslararası Sempozyumu, Ankara, Turkey.

9 February 2010. "Muslim Contributions to Modern Civilization", Lancaster University, Islamic Society, Islam Awareness Week Conference, Lancaster University. Lancaster, UK.

25-28 October 2010. "Ottoman Medicine Literature during the first half of the XVth Century," 5th International Congress of the International Society for History of Islamic Medicine, Istanbul.

J. L. Berggren

10-11 November 2010. "Numbers and numerical algorithms in ancient China and Islam," International Conference on Chinese History of Science and Its Interaction with Other Civilizations, Beijing, China.

L. Gari

13 CHOSTIS Newsletter Volume 12, 2011
17-19 December 2010. "Three *Himā*-s, Past and Present," Third Islamic Area Studies International Conference, Kyoto, Japan. For more information, see: <http://www.islam.waseda.ac.jp/kyotoconference/>

A. N. Kaadan

21-23 December 2009. The International Symposium of Awqaf Aleppo and Gazi Antep, Gazi Antep, Turkey.

25-28 October 2010. 5th International Congress of the International Society for the History of Islamic Medicine, Istanbul, Turkey.

R. Morrison

4-7 November 2010. "Early Islam's Reactions to Astrology," History of Science Society Annual Meeting, in a panel entitled: Global Histories of Science: Exploring New Resources on the Web, Montreal, Quebec, Canada.

1-2 October 2010. "Why *Did* al-Ījī discuss astronomy in the *Kitāb al-Mawāqif fī 'ilm al-kalām*?" Beyond the Abbasid Caliphate: Politics, Patronage and the Transmission of Knowledge in 13th – 15th Century Tabriz workshop, Koç University Research Center for Anatolian Civilizations, Istanbul, Turkey.

J. Oaks

May 29-31 2010. "The role of geometry in Abu Kamil's algebra," Dixième colloque Maghrébin sur l'histoire des mathématiques arabes, Tunis, Tunisia.

F. J. Ragep

1-2 October 2010. "The Byzantine scholar George Chioniades and his contacts with Islamic astronomers in Tabriz around 1300," Beyond the Abbasid Caliphate: Politics, Patronage and the Transmission of Knowledge in 13th – 15th Century Tabriz workshop, Koç University Research Center for Anatolian Civilizations, Istanbul, Turkey.

23-24 April 2010. "Religion as Agency in the Transmission and Transformation of Greek Astronomy within Islam," Agents and Agency in Transmission, Translation and Transformation workshop, McGill University, Montreal, Quebec, Canada.

4-6 December 2009. "Astronomy in the Fanārī-Circle: The Critical Background for Qā īzāde al-Rūmī and the Samarqand School," International Symposium on Molla Fanari, Bursa, Turkey.

20-21 October 2008. "The Power of Reason – Views of Knowledge," Forms of Modernity – Views of Modernity: Wisdom and the Pursuit of Knowledge, sponsored by Dr. Horst Köhler, President of Germany, Berlin, Germany.

February 2008. "Science and Religion in Islam: Beyond Ritual Formulations," Whitman College, Walla Walla, Washington, USA.

December 2007. "Science in Islamic Civilization and Connections with India," the Tattvabodha Lecture, Delhi, India.

S. Ragep

4-7 November 2010. "Rational Sciences in Islam," History of Science Society Annual Meeting, in a panel entitled: Global Histories of Science: Exploring New Resources on the Web, Montreal, Quebec, Canada.

1-3 December 2010. "Jaghmīnī's Mulakhkhaṣ: Its Importance for the History of Science and Islamic Civilization," Koneurgench Turkmen State and Central Asia in the First Half of the XIII Century, Dashoguz, Turkmenistan. For more information, see:

<http://publications.mcgill.ca/reporter/2010/12/in-search-of-jaghmin/>

S. R. Sarma

24 April 2009. "Indian Astronomical Instruments in Belgium," Colloque International astronomie et mathématique de l'inde ancienne, Altaïr Centre d'Histoire des Sciences et de Techniques reconnu par le Conseil de la Recherche de l'ULB.

28 July-2 August 2009. "From Yavana-yantra to Yantra-rāja: Reworking of Arabic Astrolabes in India," XXIII International Congress of History of Science and Technology, Budapest, Hungary.

1-5 September 2009. "Sine Quadrant in India: Sanskrit Texts and Extant Specimens," 14th World Sanskrit Conference, Kyoto, Japan.

5 May 2010. "Astronomes et astrologues dans la peinture indienne," Conférence des sciences indiennes, Bibliothèque nationale de France, Paris, France.

20-24 September 2010. "A Jain Assayer at the Sultān's Court: Thakkura Pherū and his *Dravyaparīksā*," 31. Deutscher Orientalistentag, Marburg, Germany.

4-9 October 2010. "Indian Astronomical Instruments in Italy," XXIX Symposium of the Scientific Instrument Commission, Florence, Italy.

R. Schwartz

7 August 2009. "Silk Threads of Many Colors: Teaching Ibn Mun'im's Combinatorics," MathFest 2009 (Mathematical Association of America), Portland, Oregon, USA.

31 May 2010. "*Al-qibla* and the New Spherical Trigonometry: The Examples of al-Birūnī and al-Marrākushī", Tenth Maghrebian Colloquium on the History of Arabic Mathematics (COMHISMA10), Tunis, Tunisia.

2 November 2010. "Islam and Mathematics: A Hidden History," Schoolcraft College, Livonia, Michigan, USA.

2 December 2010. "Islam and Mathematics: A Hidden History," University of Michigan-Dearborn, Michigan, USA

5. PUBLICATIONS

S. Aydüz. "Katip Çelebi'nin Osmanlı Medreseleri Müfredatı İle İlgili Tespitleri Ve Önerileri Üzerine Bir Değerlendirme (A review of Katip Çelebi's comments on the Ottoman madrasa curriculum.) In *400. Doğum Yıldönümünde Kâtip Çelebi*, eds. Bekir Karlığa and Mustafa Kaçar. Ankara: Kültür ve Turizm Bakanlığı Yayınları, 2009, pp. 309-322.

----- . "Multicultural Science in the Ottoman State: Examples from Medicine and Astronomy." In *The Ottoman Mosaic: Preservation of minority groups. Religious tolerance. Governance of ethically diverse societies*, eds. Kemal H. Karpat and Yetkin Yıldırım. Seattle: Cune Press, 2010, pp. 179-196, 215-219.

----- . "The Ottoman Royal Cannon Foundry: "Tophane-i Amire", *Almagest, International Journal for the history of Scientific Ideas*, vol. 1, issue 2 (2010-2): pp. 28-39.

----- . "Süleymaniye Medical Madrasa (*Dār al-Tib*) and Its Importance in the History of Ottoman Medicine." In *Journal of the International Society for the History of Islamic Medicine (JISHIM)*, vol. 8-9, No. 15-16-17-18 (April/October 2009-2010): pp. 31-37.

-----, "Taqi Al-Din Ibn Ma'ruf Al-Rasid: A Bio-Bibliographical Essay." In *Akademik Arařtırmalar Dergisi*, 43 (November 2009-January 2010): pp. 137-153.

J. L. Berggren (Trans. P. G. Schmidl): *Mathematik im mittelalterlichen Islam*. Springer-Verlag, 2010. A German translation of Berggren's *Episodes in the Mathematics of Medieval Islam*.

G. Bos (in collaboration with Julia Zwink). *Berakhyah Ben Natronai ha-Nakdan, Sefer Ko'ah ha-Avanim (On the Virtue of Stones), with a lexicological analysis of the Romance terminology and source study*. Leiden: Brill, 2010.

----- (in collaboration with G. Mensching and J. Zwink). "A Late Medieval Hebrew-French Glossary of Biblical Animal Names." In *Romance Philology* 63/1 (2009): pp. 71-94.

----- (ed., trans., and annotations). *Maimonides, Medical Aphorisms. Treatises 10-15, A parallel Arabic-English edition*. Provo: Brigham Young University Press, 2010.

-----, "Maimonides on Medicinal Measures and Weights." In *Aleph* 9.2 (2009): pp. 255-276.

----- (with M. R. McVaugh). *Maimonides, On Poisons and the Protection against Lethal Drugs. A New Parallel Arabic-English Translation*. Provo, BYU Press, 2009. Michael McVaugh was responsible for the translations of the medieval Latin.

-----, "Medical terminology in the Hebrew tradition: Shem Tov Ben Isaac, Sefer ha-Shimmush, book 30." In *Journal of Semitic Studies* LV/1 (2010): pp. 53-101.

-----, "Research into the Cairo Genizah and the Mastery of Ancient and Medieval Hebrew and Arabic Medical Literature," a review of E. Lev & Z. Amar. *Practical Materia Medica of the Medieval Eastern Mediterranean According to the Cairo Genizah*. Leiden, Brill, 2008. In *European Journal of Jewish Studies* 2.2 (2008): pp. 327-359.

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J. Casulleras. *La astrología de los matemáticos. La matemática aplicada a la astrología a través de la obra de Ibn Mu'ad de Jaén.* Barcelona: Universitat de Barcelona, 2010.

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6. Forthcoming Publications

F. Charette. *A Catalogue of Scientific Manuscripts in the Chester Beatty Library* will be forthcoming in both print and online versions in 2011.

D. King (with Mohamed Abu Zayed and Petra Schmidl). "From a heavenly Arabic poem to an enigmatic Judaeo-Arabic astrolabe." Forthcoming in a memorial volume for Prof. Franz Rosenthal, eds. Jacob Lassner and Everett Rowson. Winona Lake, IN: Eisenbrauns for the *American Oriental Society*.

----- . "An illustration of the Caliph al-Hâkim together with his astronomer/astrologer Ibn Yûnus." Forthcoming in *Ismaili and Fatimid Studies in Honor of Paul E. Walker*, ed. Bruce Craig, 2010.

----- . "The invention of algebra in Zabid: Between Legend and Fact." Forthcoming in *In the Shadow of the Pyramids: Festschrift in Honor of Dimitri Gutas on his 65th Birthday*, eds. David Reisman and Felicitas Opwis. Leiden: Brill, 2010.

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----- . "Mūsā Jālīnūs' Treatise *Dhikr ba' al-maḥallāt (!) al-lāzima li-aṣl wa ' falak al-tadwīr wa-khārij al-markaz.*" Forthcoming in *Aleph*.

F. J. Ragep. "Islamic Culture and the Natural Sciences." Forthcoming in *The Cambridge History of Science*, vol. 2, eds. David Lindberg and Michael Shank. Cambridge University Press.

S. R. Sarma. "The Date of Āryabhata: Refutation of V. Lakshmikantham's untenable View." Forthcoming in *Indian Journal of History of Science*, 2011.

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M. Sheffer. "An Ottoman Physician and His Social and Intellectual Milieu: The Case of Salih bin Nasrallah Ibn Sallum." Forthcoming in *Studia Islamica*, January, 2011.

----- "Tobias the Ottoman: Tobias Cohen as an Ottoman Physician." Forthcoming in *Korot*.

7. Work in Progress

S. R. Sarma. For the past two decades, I have been surveying the extant specimens of Indian astronomical and time-measuring instruments and identified so far nearly 450 specimens preserved in about 75 museums and private collections in India, Europe and the US. I am currently preparing a descriptive catalogue of these instruments. The catalogue will contain historical surveys of each instrument-type, its use and geographical spread, and full technical description of each one of the 450 extant specimens with art-historical notes. I shall also examine the relation between the theoretical prescriptions on instrument making in Sanskrit treatises and their actual execution in practice, and the interplay between Sanskrit and Islamic traditions of instrumentation. I hope to complete the catalogue in 2011.

D. King is preparing *Islamic Astronomy and Geography*, Aldershot and Brookfield, VT, Ashgate – Variorum, to be published with an expected publication date of 2012.

8. News of the Profession

H.R. Giahi Yazdi completed his doctoral thesis in 2009 at the Université de Lille 1.

A. N. Kaadan was nominated to be an Honorary Professor by Tehran University for Medical Science (TUMS)

M. Sheffer has been a tenured Senior Lecturer at Tel Aviv University since 2007.

M. Tolmacheva has retired as President of American University of Kuwait. She has returned to full-time teaching in the Department of History at Washington State University.

9. Teaching and Instructional Activities

F. J. Ragep has offered "Science and Civilization in Islam," an undergraduate course at McGill, on a yearly basis. In addition, he has offered seminars at McGill on various topics (e.g. the Ikhwān al-Ṣafā', the tradition of hay'a, the Abbasid translation movement).

A. N. Kaadan has taught the whole curriculum of history of medicine to the masters students at the Institute for the History of Arabic Science at the University of Aleppo during the past two academic years. Five students were granted masters degrees, and one student was granted a doctorate.

10. Web Sites

A. Art, Architecture, and Instruments

MUSEUM WITHOUT FRONTIERS: This is an organization, with a network of partners from 19 countries, that aims to become a gateway to presenting works of art, architecture and archaeology.
<http://www.discoverislamicart.org/home.php>

MUQARNAS: A Three-Dimensional Decoration of Islamic Architecture (courtesy of Shiro Takahashi).
<http://www.tamabi.ac.jp/idd/shiro/muqarnas/>

NEXUS NETWORK JOURNAL: Architecture and Mathematics Online. A peer-reviewed online research resource for studies in architecture and mathematics. It is published twice yearly in print by Kim Williams Books. <http://www.nexusjournal.com/>

ISLAMIC TILES: This is the research section of the homepage of Peter J. Lu (a post-doctoral research fellow in the Department of Physics at Harvard University). He discusses here his research regarding decagonal and quasicrystalline tilings in Medieval Islamic architecture and provides further links. <http://www.peterlu.org>

13.2 Islamic Astronomy & Instruments

A CATALOGUE OF MEDIEVAL ASTRONOMICAL INSTRUMENTS TO CA. 1500. A catalogue of existing astrolabes, quadrants and sundials (Islamic to 1900 and European to 1550) including detailed descriptions of about 750 instruments. Also see David A. King, "Medieval Astronomical Instruments: A Catalogue in Preparation." Bulletin of the Scientific Instrument Society 31(1991): 17-20. <http://web.uni-frankfurt.de/fb13/ign/instrument-catalogue.html>

EPACT: SCIENTIFIC INSTRUMENTS OF MEDIEVAL AND RENAISSANCE EUROPE

This is an electronic catalogue of medieval and renaissance scientific instruments from 4 European museums (by makers who were active before 1600): the Museum of the History of Science, Oxford; Istituto e Museo di Storia della Scienza, Florence; the British Museum, London; and the Museum Boerhaave, Leiden. It consists of 520 catalogue entries and supporting material.

<http://www.mhs.ox.ac.uk/epact/>

B. Institutes and Libraries

CZECH REPUBLIC: National Library of the Czech Republic, A Manuscriptorium service.

<http://www.manuscriptorium.com/>

DENMARK: The Royal Library, Copenhagen. Digitized materials from the Oriental Collections: including Arabic, Persian, Chinese, Japanese, Tibetan, Mongolian, and Indian manuscripts.

<http://www.kb.dk/en/nb/samling/os/osdigit.html>

EGYPT: Al-Azhar online. <http://www.alazharonline.org/> Launched in 2006, it is a "Project to Preserve Al Azhar Scripts and Publish Them Online" between Al-Azhar and the support of H.H. Sheikh Mohammed

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Bin Rashid Al Maktoum's IT Education Project (ITEP); for an article on this project, see Tec News (dated 10 Oct. 2006) from see <http://www.itep.ae/english/pressroom/ITNewsDetails.aspx?ID=1717>

FRANCE: Gallica: La bibliothèque numérique de la Bibliothèque Nationale de France <http://gallica.bnf.fr/>

GERMANY: The Institute for the History of Arabic-Islamic Science, Frankfurt am Main. Director: Fuat Sezgin <http://web.uni-frankfurt.de/fb13/igaiw/index.html>

Leipzig University Library: A project for cataloguing and digitizing 55 Islamic manuscripts. http://www.islamic-manuscripts.net/content/below/index.xml;jsessionid=68E03354C1CEA118DB384F80D1D8B57B?lan_g=en

INDIA: Khuda Bakhsh Oriental Public Library, Patna. <http://kblibrary.bih.nic.in/>

IRAQ: Iraqi Libraries Network. <http://iraklib.ub.uni-bielefeld.de/> A collaborative project by Iraqi Librarians with the goal of providing information related to Iraqi libraries. Supported by Bielefeld University Library, Cologne University of Applied Sciences, Goethe-Institut, and University and State Library Saxony-Anhalt.

MALI: Timbuktu Libraries. <http://www.loc.gov/exhibits/mali/>

UNITED KINGDOM: British Library: Manuscripts Catalogue: <http://www.bl.uk/catalogues/manuscripts/INDEX.asp> Arabic materials online: <http://www.bl.uk/collections/arabonline.html> The Arabic Section: <http://www.bl.uk/collections/arabic.html>; The Persian Collection: <http://www.bl.uk/collections/persian.html>
The Indian Office Select materials (holdings of India Office private papers, prints and drawings, photographs within the Library's Asia, Pacific and Africa Collections). <http://www.bl.uk/catalogues/indiaofficeselect/welcome.asp>. The focus is on the catalogues of South Asia, but there are parts on the Middle East.

University of Leeds: Digitized Arabic texts. The Leeds project is particularly interested in developing techniques to examine watermarks along with other concealed properties of the paper. <http://www.comp.leeds.ac.uk/arabictexts/index.shtml>

USA: Brown University: the Minassian collection of Persian, Mughal and Indian Miniature Paintings

[<http://128.148.7.229:591/dbminassian/default.htm>] • DOESN'T WORK

The Johns Hopkins University, the Sheridan Libraries: "Gold Koran"

[<http://goldkoran.mse.jhu.edu/htdocs/mrsid/Koran/>] •

Princeton University

[<http://www.princeton.edu/main/news/archive/S12/96/71Q21/>]; The Shahnama

Project [<http://www.princeton.edu/~shahnama/>] •

Schoenberg Center for Electronic Text & Image (SCETI), University of Pennsylvania

[<http://dewey.library.upenn.edu/sceti/browse.cfm?nav=browselanguage&type=language&language=arabic>]

UCLA: Near Eastern Manuscripts: Caro Minasian Collection Digitization Project

[http://unitproj.library.ucla.edu/dlib/minasian/list_mss.cfm]; Caro Minasian Collection of Arabic and Persian Manuscripts [<http://digital.library.ucla.edu/minasian/>]

Yale University: Near Eastern, Islamic & Arabic Studies

[http://www.library.yale.edu/neareast/1_research/general.html]

C. Manuscripts and Manuscript Projects

AMMS: West African Arabic Manuscript Project. A bi-lingual database developed at the University of Illinois in the late 1980s to describe a collection of Arabic manuscripts in southern Mauritania (Boutilimit) as well as 7 other Western African collections including the manuscript libraries at the Institut Mauritanien de Recherche Scientifique, Northwestern University, and the Centre Ahmad Baba in Timbuktu. [<http://westafricanmanuscripts.org/>]

ECHO: European Cultural Heritage Online <http://echo.mpiwg-berlin.mpg.de/home> Open Access to more than 330 authors; 206,600 documents; 300,000 high resolution images of historical sources; over 240 film sequences of scientific source material; and more than 57,500 full-text page transcription in several languages. They are particularly interested in history of science.

IRAN: Written Heritage Center
<http://mirasmaktoob.ir/>

RATIONAL SCIENCES IN ISLAM: An Initiative for the Study of Philosophy and the Mathematical Sciences in Islam (<http://islamsci.mcgill.ca/RASI/>). Centered at McGill University, the project to study the rational sciences in Islam will investigate the philosophical, scientific, and theological traditions of Islam in a holistic manner. The primary goal is to increase our understanding of how Muslim scholars and the various publics making up Islamic societies explored the world through rational means, and the products and consequences of those explorations.

The project is made up of 3 components: The Islamic Scientific Manuscripts Initiative (ISMI) <http://islamsci.mcgill.ca/RASI/ismi.html> The Post-classical Islamic Philosophy Database Initiative (PIPDI) <http://islamsci.mcgill.ca/RASI/pipdi.html> Scientific Traditions in Islamic Societies (STIS) project <http://islamsci.mcgill.ca/RASI/stis.html>

TIMA: The Islamic Manuscript Association, Cambridge, UK. An international effort to protect Islamic manuscripts. <http://www.islamicmanuscript.org/Home.html>

BOOK OF CURIOSITIES. www.bodley.ox.ac.uk/bookofcuriosities The Bodleian Library at the University of Oxford has acquired a cosmological treatise entitled Kitāb Gharā'ib al-funūn wa-mulaḥ al-`uyūn. The treatise contains diagrams of the heavens and maps of the earth. This copy was probably made in Egypt in the late 12th or early 13th century from an anonymous work compiled in the first half of the 11th century in Egypt.

YOUSSEF ZIEDAN: Dr. Youssef Ziedan of the Bibliotheca Alexandrina has placed pdfs of a number of MSS online http://ziedan.com/index_o.asp

D. Mathematics

BIBLIOGRAPHY BY TOPIC OF THE MATHEMATICAL SCIENCES IN THE MEDIEVAL ISLAMIC WORLD (courtesy of Jeff Oaks). Includes works published in Western European languages since 1950. <http://facstaff.uindy.edu/~oaks/Biblio/Intro.htm>

THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS (bshm). Its mission is to promote research into the history of mathematics and its use at all levels of mathematics education.
<http://www.dcs.warwick.ac.uk/bshm/>

HISTORY OF ISLAMIC MATHEMATICS (courtesy of Jan Hogendijk). This site contains links to scholars working in the History of Mathematics and Science and Islamic science.

<http://www.math.uu.nl/people/hogend/links.html>

13.6. Islamic Medicine

E. Medicine

THE INTERNATIONAL SOCIETY FOR THE HISTORY OF ISLAMIC MEDICINE (ISHIM).

<http://www.ishim.net/> Among their objectives: promoting the contributions of Arab and Muslim physicians to the history of medicine; establishment of a library (which will include an index and copies of manuscripts); and issuing a bi-annual journal and newsletter.

<http://www.ishim.net/links.htm>

ISLAMIC MEDICAL MANUSCRIPTS AT THE NATIONAL LIBRARY OF MEDICINE.

For students, the site includes an extensive glossary of medical, scientific, and book-production terminology linked to the text. For advanced scholars, the site provides a catalogue raisonné (including images) from the 300 or so Persian and Arabic manuscripts in the National Library of Medicine. Most of these manuscripts deal with medieval medicine and science and were written for learned physicians and scientists. Some of the manuscripts are richly illuminated and illustrated. <http://www.nlm.nih.gov/hmd/arabic/arabichome.html>

MEDICAL ENCYCLOPEDIA OF ISLAM AND IRAN. The encyclopedia aims to provide articles on Islamic medicine on subjects such as biographies of physicians, diseases and treatment methods, medical terms and medical institutions. [in Persian and Arabic]

http://razi.ams.ac.ir/encme/default_en.php

F. Philosophy

ISLAMIC PHILOSOPHY ONLINE. <http://www.muslimphilosophy.com/> Books and articles on Islamic philosophy, ranging from classical texts to modern works of Muslim philosophy. Featured original resources include:

A Dictionary of Islamic Philosophical Terms

<http://www.muslimphilosophy.com/pd/index.html> A Map of Islamic Philosophy <http://www.muslimphilosophy.com/ip/p1.htm> Major Islamic Philosophers <http://www.muslimphilosophy.com/#people> The Journal of Islamic Philosophy <http://www.muslimphilosophy.com/journal/index.html>

G. Technology

FILĀḤA TEXTS PROJECT: The purpose of the Filāḥa Texts Project is to publicise and elucidate the written works collectively known as the *Kutub al-Filāḥa* or 'Books of Husbandry' compiled by Arab, especially Andalusī, agronomists mainly between the 10th and 14th centuries <http://filaha.org/>

HISTORY OF SCIENCE AND TECHNOLOGY IN ISLAM: The website contains numerous articles and notes by Prof. al-Hassan on various issues in the history of science and technology and articles by Mohammed Abattouy on the science of weights. There is also an English translation of an article [in Arabic] by Moustafa Mawaldi <http://muslimheritage.com/topics/default.cfm?ArticleID=950>. The home page is <http://muslimheritage.com>.

G. Maps

OKLAHOMA UNIVERSITY: Compiled by Joshua Landis, University of Oklahoma; Islam's Historical Development. <http://www.ou.edu/mideast/category/maps.htm>

THE UNIVERSITY OF TEXAS: The Perry-Castañeda map collection of the University of Texas Library. Includes maps of the Islamic world and links to other map collections. <http://www.lib.utexas.edu/maps/>

H. General

ARABIC BOOKS and Unpublished Manuscripts. <http://www.al-mostafa.com/>

ASTRONOMY ANIMATIONS: Professor Dennis Duke of Florida State University has created animations of models from Ptolemaic and Islamic astronomy. <http://people.sc.fsu.edu/~dduke/models.htm>

ISLAMIC ASTRONOMERS from the Biographical Encyclopedia of Astronomers, gen. ed. Thomas Hockey with the assistance of Marvin Bolt, Katherine Bracher, Richard Jarrell, Jordan Marché, JoAnn Palmeri, F. Jamil Ragep, Virginia Trimble, and Thomas Williams. New York: Springer, 2007. <http://islamsci.mcgill.ca/RASI/BEA/>

INDIAN BOOKS CENTRE: Publishers and suppliers of books related to Philosophy, Religion (Hinduism, Buddhism, Jainism, and Christianity), History, Geography, Art, Archaeology, Sociology, Sanskrit, Ayurveda, Tibetan, Unani, Yoga, and other medicinal therapies. One can request rare, out-of-print, and other Indian books.
<http://www.indianbookscentre.com>

ISLAMIC ENCYCLOPEDIA. <http://www.encyclopaediaislamica.com/> was established in Tehran in 1983 by The Encyclopaedia Islamica Foundation. Note that articles are in Persian.

SCIENCE IN THE CATALAN CULTURE: Science in the Catalan Culture in the Middle Ages & the Renaissance.
<http://www.sciencia.cat/english/indexenglish.htm>

ENCYCLOPAEDIA IRANICA: *Encyclopaedia Iranica* is now online. This is the pre-eminent English-language reference source for Iranian civilization. The encyclopedia includes lengthy articles on core topics in Islamic studies.

iranica.com

11.) Deaths

Since Volume Eleven of the Newsletter, the Commission has seen the deaths of four members. They are listed below with the dates of their deaths and with links to complete obituaries.

Mercè Comes (February 26, 2010). A complete obituary is on the home page of the Commission (islamsci.org)

E. S. Kennedy (May 4, 2009). A complete obituary is at: <http://www.islamsci.org/grants/GrantsPrizes.htm#Obituaries>

David C. Reisman (January 2, 2011). A complete obituary is at <http://www.legacy.com/obituaries/bostonglobe/obituary.aspx?n=david-c-reisman&pid=147784426>

Juan Vernet (July 23, 2011). A complete obituary is at http://www.elpais.com/articulo/Necrologicas/Joan/Vernet/arabista/total/elpinec/20110726elpinec_2/Tes