COMMISSION C3 HISTORY OF ASTRONOMY

PRESIDENT Xiaochun Sun
VICE-PRESIDENT Wayne Orchiston
SECRETARY David Valls-Gabaud

ORGANIZING COMMITTEE Owen Gingerich, Raymond P. Norris, Jay M. Pasachoff,

Christiaan L. Sterken

COMMISSION C3 WORKING GROUPS

Div. C, Inter-Commission C3-C4 WG Archaeoastronomy and Astronomy in Culture

Div. C, Commission C3 WG Johannes Kepler

TRIENNIAL REPORT 2015-2018

1. Introduction

IAU Commission C3 (History of Astronomy) started in 2015 as a natural continuation of the previous IAU Commission 41 for History of Astronomy which was established in 1948 and which was extremely successful in supporting research on the history of astronomy, organizing and sponsoring workshops and conferences, promoting research collaborations, forming specialist working groups and fostering the publication of members' research.

2. Developments Within the Past Triennium

Members of the Commission focused on organizing and attending history of astronomy conferences, conducting research and publishing their results.

International conferences organized during the triennium included:

- Exploring the History of Southeast Asian Astronomy: A Review of Current Projects and Future Prospects and Possibilities, 30 November–1 December 2015, Ao Nang, Thailand
- Ninth International Conference on Oriental Astronomy (ICOA-9), 14–18 November 2016, Pune, India
- International Conference on the History of World Calendars and Calendar-Making, 29 November–2 December 2016, Yecheon and Seoul, South Korea
- The Second International Conference on Astronomy on the Silk Road, 6–9 July 2017, Urumqi, China
- Astronomical Heritage of the Middle East, 13–17 November 2017, Yerevan, Armenia
- The Second International Conference on SE Asian Astronomical History, 28–29 November 2017, Mandalay, Myanmar

In addition, Commission members organized a number of national workshops and symposia, and in 2017 ran a 5-day international training workshop in Thailand on "Field Techniques in Ethnoastronomy". This was organized by the NARIT/UNESCO International Training Centre in Astronomy.

Members also published many research papers and a number of books during the triennium; some of the latter are listed below in the References.

3. Closing Remarks

The Commission is actively involved in the organizing of the Centennial Symposium of the International Astronomical Union, which will be held during the IAU General Assembly in August 2018 in Vienna.

The Commission also will hold its own business meeting and a workshop on the history of astronomy during the IAU GA.

During the 2018–2021 triennium, in October 2018 the Commission will co-organize an international workshop on transmission of astronomical knowledge on the Silk Road with the Taihu Forum in Beijing.

In addition, new Working Groups will be established, the newsletter will be resurrected, and the Commission's website will be updated.

Xiaochun Sun (*C3 President*) Wayne Orchiston (*C3 Vice-President*) David Valls-Gabaud (*C3 Secretary*)

References

Brüggenthies, W., and Dick, W.R., 2017. *Biographischer Index der Astronomie/Biographical Index of Astronomy: A-J/K-Z* (Acta Historica Astronomiae 60).

Chinnici, I., 2017. Merz Telescopes: A Global Heritage Worth Preserving (Cham, Switzerland: Springer).

Cottam, S., and Orchiston, W., 2015. *Eclipses, Transits and Comets of the Nineteenth Century: How America's Perception of the Sky Changed* (Cham, Switzerland: Springer).

Dick, W.R., and Hamel, J. (eds.), 2017. Beiträge zur Astronomiegeschichte (Acta Historica Astronomiae 58).

Dick, W.R., and Schwarz, O., (eds), 2017. Franz Xaver von Zach und die Astronomie seiner Zeit (Acta Historica Astronomiae 59).

Frater, R.H., Goss, M, and Wendt, H., 2017. Four Pillars of Radio Astronomy: Christiansen, Mills, Wild and Bracewell (Cham, Switzerland: Springer).

Gingerich, O., 2016. Copernicus: A Very Short Introduction (Oxford: Oxford University Press).

Glass, I.S., 2015. The Royal Observatory at the Cape of Good Hope. History and Heritage (Cape Town, Mons Mensa).

Lequeux, J., 2016. François Arago: A 19th Century French Humanist and Pioneer in Astrophysics (Cham, Switzerland: Springer).

Nakamura, T., and Orchiston, W. (eds), 2017. *The Emergence of Astrophysics in Asia: Opening a New Window on the Universe* (Cham, Switzerland: Springer).

Nha, I.-S., Orchiston, W., and Stephenson, F.R. (eds.), 2017. The History of World Calendars and Calendar-Making. Proceedings of the International Conference in Commemoration of the 600th Anniversary of the Birth of Kim Dam (Seoul, Yonsei University Press).

Orchiston, W., 2016. Exploring the History of New Zealand Astronomy: Trials, Tribulations, Telescopes and Transits (Cham, Switzerland: Springer).

Orchiston, W., 2017. John Tebbutt: Rebuilding and Strengthening the Foundations of Australian Astronomy (Cham, Switzerland: Springer).

Orchiston, W., Green, D.A., and Strom, R. (eds.), 2015. New Insights from Recent Studies in Historical Astronomy: Following in the Footsteps of F. Richard Stephenson. A Meeting to Honor F. Richard Stephenson on his 70th Birthday (Cham, Switzerland: Springer).

Ramasubramanian, K., Sule, A., and Vahia, M. (eds.), 2016. *History of Indian Astronomy. A Handbook*. (Mumbai: Science and Heritage Initiative Indian Institute of Technology, and Tata Institute of Fundamental Research).

Riekher, R., Dick, W.R., and Hamel, J. (eds.), 2018. Der Briefwechsel Joseph von Fraunhofers: Briefe und Dokumente aus der Ära Fraunhofer, Reichenbach und Utzschneider Band 1. (Acta Historica Astronomiae 63).

Ruggles, C.L., et al., (ed.), 2015. Handbook of Archaeoastronomy and Ethnoastronomy (New York: Springer). Shi Yunli, and Chu Longfei, 2017. Chongzhen lishu: A New Collated Version (Hefei: Zhongguo keji daxue Press).

Simonia, I., et al., 2015. Astronomical Manuscripts in Georgia (Tbilisi: Ilia State University Press).

Steele, J.M., 2016. The Circulation of Astronomical Knowledge in the Ancient World (Leiden: Brill).

Steele, J.M., 2017. Rising Time Schemes in Babylonian Astronomy (Cham, Switzerland: Springer).