

IASCUD Report for DLMPST
Report of Activities – 2021
(From October 2020 to September 2021)
Website: <http://www.iascud.org>

I. Meetings:

1. IASCUD held a Council meeting on 21 May 2021

2. IASCUD held General Assembly meeting on 23 July 2021. During the GA, IASCUD held Council elections. The following officers were elected:

President: Madeine Muntersbjorn

First Vice-president: Michael Barany

Second Vice-president: Han Qi

Treasurer: Roy Wagner

Secretary General: Nina Atanasova

Assistant Secretary General: Vitaly Pronskikh

Assessor: Peeter Muursepp

Assessor: Benedikt Loewe

Assessor: Takashi Nishiyama

Assessor: Karine Chemla

II. Conferences and Symposia:

At the 26th International Congress for the History of Science and Technology IASCUD sponsored three symposia, as posted on our website at: <http://iuhpst.org/pages/inter-division-commissions/iascud/activities/ichst-2021.php>

1. **Symposium Title:** *New perspectives: differentiating cultures in ancient mathematics*

Symposium organizers: Agathe Keller and Fanglei Zheng

Speakers:

Robert Middeke-Conlin, Variety in a uniform tradition: A comparison of metrology and mathematical education in Old Babylonian sources

Agathe Keller, Cultures of quantification and computation as testified by the *Śulbasūtras*

Jingbo Cao, An Analysis of the Double-Fourteenth Book in Billingsley's Translation of Euclid's *Elements*

Shuyuan Pan, What is “Multiplying by the Different and Dividing by the Same”?
Differentiating Two Practices and the underlying Epistemic Principles in the “Rule of
Three” Procedures in China

Lu Peng, Using the Square or Using the Circle? Different Proofs on the “Broken Bamboo”
Problem

Karine Chemla, Mathematical cultures according to observers and to actors. The historiography
of number systems and arithmetic

Yan Wu and Zhihui Chen, 19th Century French Sinologists's observations on the Chinese abacus
and its cultural background

Fanglei Zheng, How many mathematical cultures are there in the works of Fibonacci? An
alternative perspective on differentiating cultures in mathematical practices

2. Symposium title: *The shaping of differences in the historiography of ancient mathematics -
Editing and translating ancient mathematical texts*

Symposium organizers: Karine Chemla and Erwin Neuenschwander

Speakers:

Philip Beeley, Authority and Authenticity. Editing ancient mathematics in Restoration Oxford

Xiaofei Wang, J. –L. Lagrange and the translation and diffusion of the Greek texts

Qi Han, Using European Algebra to Interpret Chinese Traditional Mathematics: The Role of Mei
Juecheng (1681-1764) in the Development of Evidential Studies

Yiwen Zhu, Mathematics and Evidential Scholarship in Eighteenth Century China

Ivahn Smadja, Historiography in the making: Humboldt and the mathematicians on ancient
mathematical texts

Christopher Hollings, Editing the Rhind Mathematical Papyrus

Xiaohan Zhou, Differences between interpretations using and not using modern mathematical
symbols? The “procedure of pile-accumulation” in the Jade Mirror (1303)

Erwin Neuenschwander, Van der Waerden’s Approach to History of Science. His methods and
results in comparison to contemporaries

3. Symposium title: *Placing mathematical knowledge in a world of and beyond nations*

Symposium organizers: Michael Barany and Ellen Abrams

Symposium speakers:

Harald Kümmerle, The topology of interwar Japan: studying an emerging community
institutionally and conceptually

Bertrand Eychenne, From circulation to transfer of knowledge: infinitesimal calculus in Colombia during the 19th century

Leo Corry, Computing with WEIZAC in the early days of the State of Israel: Chaim Pekeris's contribution to applied mathematics (1948-1960)

Adam Dunn, From the local to the global: connecting the evolution of statistical thought and practice in eighteenth century Europe

Natalie Berkman, International mathematics in literature: the Oulipo's mathematical connections

Michael Barany, Emphatic adverbs, proper nouns, and the disciplinary grammar of international mathematics

Kevin Lambert, The Malthus Library: The library as cognitive instrument in the making of the population principle

Slava Gerovitch, The Kitchen and the Dacha: Productive Spaces of Soviet Mathematics

Vitaly Pronskikh, Internationalization and the interplay of theory and experiment in 1970s high energy physics

Anya Yermakova, Can mathematical knowledge be a form of self-knowledge? The case of the late Russian Empire.

Barbara Walker, Cold War story-telling in the mathematical communities of the United States and the Soviet Union

Ellen Abrams, Global mathematics and local masculinities

Andrew Fiss, Toward a history of math anxiety: From oral examination to written testing in American redefinitions of student performance, 1890s-1920s