

International Subcommittee on Cambrian Stratigraphy Business Meeting, Adelaide, Australia, 12 July 2016

1. Thank you to organizers and field trip leaders of the Australia meeting ('Pierre' Kruse, Diego García-Bellido, James Jago, Jim Gehling, James Holmes, Glenn Brock, John Paterson, and others, field trip leaders). Thank you to all who have made this meeting possible, and who have made us welcome here.
2. Introduction of officers and Voting Members (for term ending 2020): Loren Babcock (Chair), Per Ahlberg (Secretary), and Xingliang Zhang (Vice-Chair); additional VMs who are here: Gabriella Bagnoli, Rodolfo Gozalo, Maoyan Zhu, James B. Jago, Pierre Kruse, Linda B. McCollum and Xingliang Zhang.
 - 2.1. Chairs of Working Groups:
 - Terreneuvian: Maoyan Zhu
 - Stage 2: Michael Steiner
 - Stage 3: Xingliang Zhang
 - Stage 4: Jim Jago
 - Stage 5: Linda McCollum
 - Stage 10: Per Ahlberg
 - Web page: Malgorzata Moczydlowska-Vidal (Michael Streng, webmaster)
3. Current Voting Members (for the term 2016–2020):
 - 1, Per Ahlberg, Lund, Sweden per.ahlberg@geol.lu.se
 - 2, José-Javier Álvaro, Madrid, Spain alvarobjj@cab.inta-csic.es, jj.alvaro@csic.es
 - 3, Loren E. Babcock, Columbus, USA, and Lund, Sweden babcockloren@gmail.com
 - 4, Gabriella Bagnoli, Pisa, Italy bagnoli@dst.unipi.it
 - 5, Duck K. Choi, Seoul, Korea dkchoi@snu.ac.kr
 - 6, Olaf Elicki, Freiberg, Germany elicki@geo.tu-freiberg.de
 - 7, Gerd Geyer, Germany gerd.geyer@uni-wuerzburg.de
 - 8, Rodolfo Gozalo, Valencia, Spain rodolfo.gozalo@uv.es
 - 9, James B. Jago, Mawson Lakes, Australia jim.jago@unisa.edu.au
 - 10, Pierre D. Kruse, Adelaide, Australia archaeo.kruse@gmail.com
 - 11, Linda B. McCollum, Cheney, Washington, USA lmccollum@ewu.edu
 - 12, Malgorzata Moczydlowska-Vidal, Sweden malgo.vidal@pal.uu.se
 - 13, Elena B. Naimark, Moscow, Russia naimark@paleo.ru
 - 14, Tatyana V. Pegel, Novosibirsk, Russia pegel@mail.ru
 - 15, Shanchi Peng, Nanjing China scpeng@nigpas.ac.cn
 - 16, Leonid Popov, Wales, UK leonid.popov@museumwales.ac.uk
 - 17, Brian R. Pratt, Saskatchewan, Canada brian.pratt@usask.ca
 - 18, Matthew R. Saltzman, Columbus, Ohio, USA saltzman.11@osu.edu
 - 19, Michael Steiner, Berlin, Germany michael.steiner@FU-Berlin.de
 - 20, Alexei I. Varlamov, Moscow Russia varlamov@vnigni.ru, info@vnigni.ru
 - 21, Mark Webster, Chicago, Illinois mwebster@geosci.uchicago.edu
 - 22, Xiangling Zhang, Xi'an, China xzhang69@nwu.edu.cn
 - 23, Maoyan Zhu, Nanjing, China myzhu@nigpas.ac.cn
 - 24, Anna Zylinska, Warsaw, Poland anna.zylinska@uw.edu.pl

4. Request for updated contact information (especially email addresses) from all VMs, Honorary Members, Corresponding Members; also alternate rapid contact (fax, etc.).
5. In 2013–2014, the new ISCS webpage was introduced and modified. Recent information is posted there.
6. ISCS sponsored/co-sponsored meetings this year:
 - 6.1. Palaeo Down Under 2 (this meeting)
 - 6.2. IGCP 591, Ghent, Belgium, 2016.
7. Announcement of upcoming meetings.
 - 7.1. IGC, August 2016, Cape Town South Africa
 - 7.2. International Symposium on the Ediacaran-Cambrian, June 2017, St. John's, Newfoundland. Chair of organizing and scientific committee: Alex Liu, Bristol, UK.
8. Discussion of progress toward publication of stage and series names
 - 8.1. Ratified boundaries defined by GSSPs:
 - 8.1.1. Furongian Series/Paibian Stage – 2004, Lethaia
 - 8.1.2. Drumian Stage – 2007, Episodes
 - 8.1.3. Terreneuvian Series/Fortunian Stage – 2008, Episodes
 - 8.1.4. Guzhangian – 2009, Episodes
 - 8.1.5. Jiangshanian – 2011; GSSP, Episodes (2012); ASSP, Episodes 2013
9. Discussion of work toward defining remaining GSSPs.
 - 9.1. Stage 5 (*Oryctocephalus indicus* level): Three possibilities have been discussed: FAD of *Oryctocephalus indicus*, FAD of *Ovatoryctocara granulata*, FAD *Paradoxides* s.l. After formal voting in 2015, the Working Group has recommended using the FAD of *O. indicus* as the primary chronostratigraphic tool for recognizing the base of the stage and the conterminant base Cambrian Series 3. Possible GSSP sections: South China, Siberia, Nevada, Spain. Soon there will be a call for proposals.
 - 9.2. Stage 10 (*Lotagnostus americanus* level). Alternate possibility for level: *Eoconodontus notchpeakensis* level. Possibilities for a GSSP section: Siberia, South China, Kazakhstan, Utah, etc.
 - 9.3. Stage 2: Possible levels: *Watsonella crosbyi* or *Aldanella attleborensis*. Possibilities for a GSSP section: Siberia, South China, etc.
 - 9.4. Stage 3 (approximately FAD trilobites): The earliest trilobite known seems to be *Profallotaspis jakutensis* (Siberia). Other early ones include *Hupetina antiqua* in Morocco and *Fritzaspis* in Laurentia. Possible GSSP levels - *Pelagiella subangulata* or *Microdictyon effusum*. Possibilities for a GSSP section: Siberia, South China, etc.
 - 9.5. Stage 4 (approximately FAD *Olenellus/Redlichia*): ISCS favors placing stage base at FAD of a single trilobite species. Possibilities: a species of *Olenellus* (s.l.), *Redlichia* (s.l.), *Arthricocephalus chauveaui*, *Judomia*, or *Bergeroniellus*. Such a position would be at a level roughly corresponding to the base of the Dyeran Stage of Laurentia, the base of the Duyunian of South China, and the base of the Botoman Stage of Siberia.
 - 9.6. Cambrian/Terreneuvian/Fortunian GSSP. A Working Group has been assembled to provide a recommendation about whether or not we should consider options for redefining the GSSP.

- We need to remind persons interested in sections for consideration as GSSPs of the ICS/ISCS procedure: the relevant Working Group must identify the preferred level first; then there will be a call for proposals from the WG; then the WG will decide on the best section and refer the decision to ISCS for a vote by the Voting Members.

10. Other matters?