

International Subcommission on Cambrian Stratigraphy
Business Meeting, Lund, Sweden, 12 June 2013

1. Introduction of officers and Voting Members (for term ending 2016): Loren Babcock, Per Ahlberg, Xingliang Zhang; VMs: Javier Alvaro, Malgorzata Moczydlowska-Vidal, Elena Naimark, Shanchi Peng (also Vice-Chair of ICS), Michael Steiner, Maoyan Zhu, Anna Zylinska. ...
 - 1.1. Chairs of Working Groups:
 - Stage 2: Michael Steiner.
 - Stage 3: Xingliang Zhang.
 - Stage 4: Jim Jago (not present).
 - Stage 5: Linda McCollum (not present).
 - Stage 10: Per Ahlberg.
2. Rotation of officers and Voting Members, beginning with the IGC meeting in Brisbane (for the term 2012-2016). Chair: Loren Babcock; Vice-Chair: Xingliang Zhang; Secretary: Per Ahlberg. New VMs who are present here: Gabriela Bagnoli, Anna Zylinska, Olaf Elicki.
 - 2.1. The complete list of VMs, as approved by ICS, will be:
 - 1, Per Ahlberg, Lund, Sweden per.ahlberg@geol.lu.se
 - 2, José-Javier Álvaro, Villeneuve d'Ascq, Spian jose-javier.alvaro@uni-lille1.fr
 - 3, Loren E. Babcock, Columbus, USA, and Lund, Sweden loren.babcock@geol.lu.se
 - 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@mail.uni-wuerzburg.de.
 - 8, R. Gozalo, Valencia, Spain rodolfo.gozalo@uv.es
 - 9, James B. Jago, Mawson Lakes, Australia jim.jago@unisa.edu.au
 - 10, Pierre D. Kruse, Darwin, Australia pierre.kruse@dme.nt.gov.au
 - 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, Leopod 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@sniiggims.ru.vcf
 - 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 zylinska@uw.edu.pl
3. Thank you to organisers and field trip leaders of the Lund meeting (Mikael Steiner et al.). Thank you to all of the local officials and others who have made this meeting possible, and made us welcome here.

4. Request for updated contact information (especially email addresses) from all VMs, HMs, CMs; also alternate rapid contact (fax, etc.).
5. Discussion of progress toward publication of stage and series names
 - 5.1. Furongian Series/Paibian Stage – 2004, Lethaia
 - 5.2. Drumian Stage – 2007, Episodes
 - 5.3. Terreneuvian Series/Fortunian Stage – 2008, Episodes
 - 5.4. Guzhangian – 2009, Episodes
 - 5.5. Jiangshanian – ratified by IUGS/ICS in 2012. An article has been published in Episodes. An ASSP was ratified within ISCS (Kyshabakhty section, Kazakhstan; Gappargaliev et al.), and an article is in press in Episodes.
6. Discussion of work toward defining remaining GSSPs.
 - 6.1. Stage 10 (*Lotagnostus americanus* level). Alternate suggestion for level: *Eoconodontus notchpeakensis* level. Possibilities for a GSSP section: Siberia, South China, Kazakhstan, Utah. Are there other possibilities?
 - 6.2. Stage 2: Possible levels - *Watsonella crosbyi* or *Aldanella attleborensis*. Possibilities for a GSSP section: Siberia, South China, others?
 - 6.3. Stage 3 (FAD trilobites level, approximately): The earliest trilobites include *Profallataspis jakutensis* in Siberia, *Hupetina antiqua* in Morocco, and *Fritzaspis* in Laurentia, but they are asynchronous. Possible GSSP levels - *Pelagiella subangulata* or *Microdictyon effusum*. Taxonomic revision of *Microdictyon* is needed (at least 8 species have been named.) Possibilities for a GSSP section: Siberia, South China, others?
 - 6.4. Stage 4 (FAD trilobites level, approximately): ISCS favours 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. We need suggestions about the best level.
 - 6.5. Stage 5 (*Oryctocephalus indicus* level): Two possibilities: FAD of *Oryctocephalus indicus* and FAD of *Ovatoryctocara granulata*. Possible GSSP sections: South China, Siberia, Nevada. We expect to receive a recommendation from the Working Group, and then to vote among the Voting Members, later this year.
 - 6.6. In addition to the work of the Working Groups, the ISCS is interested in re-examining the question of the definition of the Cambrian/Terreneuvian/Fortunian GSSP. Maoyan Zhu has been suggested to chair the Working Group, subject to approval from ICS.

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.

7. Discussion of upcoming meetings.
 - 7.1. International Field Workshop on the Marwar Supergroup, NW India, January 2014
 - 7.2. ISCS meeting in 2014 – Morocco (organised by Javier Alvaro).
8. Other matters?