

DIVISION III **COMMISSION 22**

METEORS, METEORITES AND INTERPLANETARY DUST

*MÉTÉORES, MÉTÉORITES ET
POUSSIÈRE INTERPLANÉTAIRE*

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VICE-PRESIDENT
PAST PRESIDENT
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Jiří Borovička
Junichi Watanabe

Guy Consolmagno,
Tadeusz Jopek (Secretary),
Jeremie Vaubaillon,
Shinsuke Abe,
Diego Janches,
Galina Ryabova,
Masateru Ishiguro,
Jin Zhu

PROCEEDINGS BUSINESS MEETING on 24 August 2012

1. Introduction

The business meeting of commission 22 was held at the room 403 on 24 th August 2012 (14:00-15:30) in the China National Convention Center in Beijing.

Nineteen people attended at this meeting: G.Consolmagno, D.Green, P. Jenniskens, J. Watanabe, J. Zhu, T. Jopek, K. Meech, D. Kinoshita, S. Abe, D. Boice, H. Yano, I. Sato, C. Smith, K. Churymov, J.C. Zhang, R. Dayong, G. Valsecchi, A. Ivantsov, C. Hohenkerk.

This meeting was managed by Junichi Watanabe, the current C22 President. The summary of the meeting is described.

2. Membership

The membership of Commission 22 increased from 132 members at the end of the XXVII General Assembly in Rio de Janeiro (2009) to 143 members at the end of the current XXVIII General Assembly. The 25 new members (24 as new IAU members and one member already registered) are:

Benkhoff Johannes Josef (Germany), Busarev Vladimir V. (Russian Fed.), Čapek David (Czech Rep.), Fromang Sebastien (France), Granvik Mikael Matias S. (Finland), HASEGAWA Sunao (Japan), Husárik Marek (Slovakia), Janches Diego (USA), Kaňuchová Zuzana (Slovakia), Kikwaya Jean-Baptiste (Vatican City Sta), KIMURA Hiroshi (Japan), Kornoš Leonard (Slovakia), Koschny Detlef V. (Germany), Kostama Veli-Petri (Finland), Mawet Dimitri Paul (Belgium), Moór Attila (Hungary), Santos-Sanz Pablo (Spain),

SHANG Hsien (China), Shrbený Lukáš (Czech Rep.), Stewart-Mukhopadhyay Sarah T. (USA), Yair Yoav Y. (Israel), Zadnik Marjan G. (Australia), Zender Joe J. (Germany), Masateru Ishiguro (Korea).

Four members deceased since the last General Assembly: Zdenek CEPLECHA (1929–2009), Bertil Anders LINDBLAD (1921–2010), Bernard LOVELL (1913–2012), Douglas O. REVELLE (1945–2010).

All four had an exceptionally strong influence on our field and will be missed. The meeting stood in silence in remembrance of the deceased C22 members.

3. New executive

The new executive of the Commission 22 for the next triennium has been approved as follows:

President: Peter Jenniskens (USA), Vice-President: Jiří Borovička (Czech Republic), Secretary: Tadeusz Jopek (Poland), and Past President: Junichi Watanabe (Japan).

The members of the organizing committee are: Guy Consolmagno (Vatican), Jeremie Vaubailon (France), Shinsuke Abe (Taiwan), Diego Janches (USA), Galina Ryabova (Russia), Masateru Ishiguro (Korea), Jin Zhu (China).

4. Activities since the last General Assembly

At the C22 business meeting, several activities were introduced and discussed:

4.1. *Organized and supported scientific meetings*

We supported the following meetings during the past triennium:

- 2008 TC3 Workshop in University of Khartoum, Sudan, on December 5–6, 2009.
- METEOROIDS 2010 conference in Breckenridge, Colorado, USA, on May 24–28, 2010.
- Asteroids, Comets, Meteors conference (ACM 2012) in Niigata City, Japan, on May 16–20, 2012.

We organized a Joint Discussion at the XXVIII GA. It was noteworthy that this was the first organized by C22 in the past 20 years of IAU GA history:

- Joint Discussion 5 gFrom meteors and meteorites to their parent bodies: Current status and future developmentsh Beijing, China on August 22–24 during XXVIII GA

4.2. *E-mail newsletter of C22*

In order to share the information of the IAU or related topics of our commission, President Junichi Watanabe started an e-mail newsletter. Twenty newsletters have been issued during the past triennium. These newsletters were found to be an effective way to communicate with commission members.

It was suggested to continue this newsletter in the new triennium. The list of all C22 members is available at the web page of the Commission, but not all email addresses are known by the commission.

4.3. *Web page of the Commission*

During the past triennium, the web page of C22 was maintained by the secretary of C22, J. Zhu, at the address <http://www.iau-c22.org/>. For practical reasons it would be preferable to move the C22 web page to the IAU Meteor Data Center website maintained by T. Jopek. For that reason, Jopek was assigned to be the Secretary of C22 in this triennium. In future years, however, we may decide to keep the website at the IAU Meteor Data Center website.

5. Commission report

A brief report of Commission 22 was submitted to the Division III president, K. Meech by the president of C22 J. Watanabe. The report was prepared in a short form, concentrating on Commission 22 activities only, instead of giving a full summary of activities in our field.

6. Established meteor showers

P. Jenniskens, on behalf of the Working Group on Meteor Shower Nomenclature, presented the list of 31 showers that were selected by the Working Group to receive the predicate *gestablished* at this GA. Some 85 candidate showers were submitted to the Meteor Data Center and shown in green highlight at the Meteor Data Center website prior to July 1 of this year. These proposed showers were evaluated in the weeks leading up to the meeting. A final evaluation of the candidate showers was made just before the business meeting by the Working Group members present at the GA. They reached a consensus that 31 candidates out of the proposed list do exist. Most others were showers only detected by one radar source. The Working Group consensus was to look for confirmation from other radar or optical sources before adding those showers to the list of established showers. There was no objection to any of the showers in the proposed list of 31. As a result, 31 new established meteor showers were added to the list of established showers (<http://www.astro.amu.edu.pl/%7Ejopek/MDC2007/index.php>). The total number of established meteor showers is 95. One name correction to an established shower was also approved. The December Comae Berenicids (COM) will from now on be known as the Comae Berenicids (COM). This change was proposed because it was discovered that the January Comae Berenicids are in fact the same shower.

7. Working Groups

The Working Group on Professional-Amateur Cooperation in Meteors reported no activity in the past triennium, possibly because there are generally good collaborations between professional and professional astronomers in the field. To help maintain this situation, Detlef Koschny (Germany) will become the new chairman. The membership of the new group was left undecided. David Asher has agreed to continue to be a member of this working group. Because none of the other current members were present at the business meeting, Koschny was tasked to establish the new membership, working with the new president of C22.

On the Working Group on Meteor Shower Nomenclature for the next triennium, present chair, P. Jenniskens, recommended the new membership as follows, and it was approved.

Tadeusz Jopek (Poland, chair), Peter Brown (Canada, vice-chair), Peter Jenniskens (USA, C22 president), Zuzana Kanuchova (Slovakia), Pavel Koten (Czech), Javor Kac (Slovenia, IMO), Junichi Watanabe (Japan), Jack Baggaley (New Zealand), Gulchekhra Kokhirova (Tajikistan), Joseph M. Trigo-Rodriguez (Spain).

This working group is very active. It maintains the archive of meteor shower nomenclature, considers proposed shower names from new surveys, and is tasked to identify what next set of showers to name officially as being established in the next IAU General Assembly.

8. Future conferences

J. Watanabe informed about the future conferences of interest to C22 members:

- METEOROIDS 2013 conference will be held in Poznań, Poland, on August 26–30, 2013. <http://www.astro.amu.edu.pl/Meteoroids2013/index.php>
- Asteroids, Comets, Meteors conference (ACM 2014) will be held in Helsinki, Finland, in 2014. <http://www.helsinki.fi/acm2014/>
- Annual Meeting of the Meteoritical Society in Edmonton, Alberta, July 29–August 2, 2013.
- Annual Meeting of the Meteoritical Society in Casablanca, Morocco, September 7–14, 2014

Junichi Watanabe
Outgoing President of the Commission