



ISB/IBC history

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***Thanks to Joe Backoffen
Past Chairman of NDIA's Ballistics Division***

“Long March”
Space Rocket



ISB/IBC/IBS's 5 Stages Rocket

Important dates

S1 - Before **1970** and 1st decade of the seventies

S2 - October **1974**

+ | 19 years
↓

S3 - April - September **1993**

+ | 8/9 years
↓

S4 - May **2001** - September **2002**

+ | 8/9 years
↓

S5 - January - May **2010**

Stage 1 - Before 1970

- **Fabulous Aerospace NASA Performance: Apollo 11 on July 16, 1969**
- **Annual classified meetings were organized in different NATO countries**
- **The most important organization was in USA with the American Ordnance Association (AOA) followed by the American Defense Preparedness Association (ADPA) and finally by the National Defense Industrial Association (NDIA), particularly in its Ballistics Division and Bomb&Warhead Division**

Stage 1 - 1st decade of the seventies

A group of 10 pioneers from NATO countries decided to compare their state of the Art in Ballistics in organizing Forums on Ballistics based on exchanges at government level.

Stage 1 - 1st decade of the seventies

Pioneers from USA:

Dr Robert Eichelberger – BRL

Dr Louis Zernow – NDIA

Dr Pei Chi Chou – Drexel University

Dick Dowd – Martin Marietta Corp.

Martin Summerfield – Princeton University

Stage 2 - 1st decade of the seventies

Pioneers from European Countries:

Dr Adolf- Gustav Schröder – EMI – Germany

Prof. R.E. Kutterer – ISL – France/Germany

Neil Griffiths OBE – RARDE – UK

Prof. Rudlof Thomanek – MBB – Germany

Dr. Hans Pasman – TNO – The Netherlands

Stage 2 - 1st decade of the seventies

Main result of the NATO Forums:

necessity to jump from the NATO forums up to International Symposiums in order to promote the Ballistics Science internationally in the broadest sense

Stage 2 - Launching of the 1st ISB

October 1974

- organization by ADPA/BRL of the 1st ISB
Orlando, FL, (USA)
 - 100/120 attendees amongst them the pioneers
 - 34 papers
 - Ratio A/P ~ 3

Stage 2 - From 1974 up to now

ISB organized every 18 months - 14 countries

- 1976 ISB 2 organized by ADPA in Daytona Beach, FL, (USA)
- 1977 ISB 3 organized by EMI in Karlsruhe (Germany)
- 1992 ISB 13 organized by FOA in Stockholm (Sweden)
600 attendees (ISB1 x 5), the maximum!
192 papers (ISB1 x 5,6)
Ratio A/P ~3
- **2010** ISB 25 organized by COS and Nanjing University of Science (China)
..... attendees
212 papers
Ratio A/P ~...

Stage 3 - Founding of the IBC

April 1993

1st Jump at ISL (France/Germany) - Founding of the IBC

- 11 founding members
- Official IBC document or Terms of reference

September 1993

- Adoption of the IBC in Quebec – Canada – during ISB 14

Stage 4 – Creation and Adoption of the IBC Charter

May 2001

2nd Jump in Interlaken – Switzerland (ISB 19)

- Proposition of the IBC Charter given the IBC goals and responsibilities of the IBC members
- **BOD of 8 members and 5 Advisory Committees**

September 2002

Adoption of the IBC Charter - Orlando – USA during ISB 20

Stage 5 - Launching of the International Ballistics Society

January and May 2010

3rd and last Jump in Beijing - China (ISB 25)

- 9 founding members
- IBS constitution
- New BOD



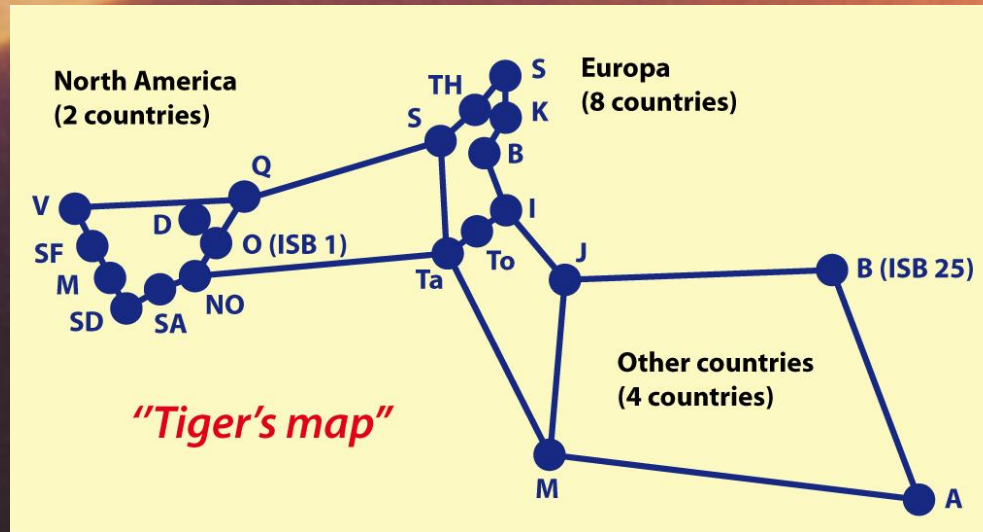
Geographical Evolution of the ISB's sites

25 ISB since 1974

14 organizing countries up to now

Ballisticians from 26 countries are regularly attending the ISB

Geographical evolution of the ISB's sites



North America

USA
Canada

Europa

Germany
France
The Netherlands
UK
Belgium
Sweden
Switzerland
Spain

Other Countries

Israel
South Africa
Australia
China

IBC Chairmen from 1993 up to 2010

Gus Schroeder
Germany
1993 - 1996



Michael Murphy
USA
1996 - 1999



Marc Giraud
France
1999 - 2002



Pieter Nel
South Africa
2002-2005



Bo Janzon
Sweden
2005-2008



Jack Riegel
USA
2008-2010



May 2010 - Celebration

- ISB Silver Jubilee: ISB 1 → ISB 25



- Management Rubis Jubilee: 1974 → 2010



Thanks for your attention

Xiexié

Good luck to the new IBS'BOD and Jack its Chairman

