MINUTES

of an ad-hoc Meeting of the IHFC on 31 October 1984 at the occasion of the IASPEI Regional Assembly in Hyderabad/India

Present: Beck (Chairman), Uyeda (Vice-Chairman), Stegema (Past Chairman), Rybach (Secretary), Chapman, Gupta, Thamrin, Vasseur, Wang
Ch. Clauser (FRG), J. Iriyama (J), F. Jones (CAN), D. Werner (CH), Guests

Agenda

1. IHFC Guidelines
2. Reports on IHFC activities
3. Future activities of IHFC
4. Points raised by absent IHFC Members
5. A.O.B.

1. IHFC Guidelines

These have been adopted during the IHFC Meeting in Hamburg, August 1983. The Guidelines will shortly be sent to the IHFC Members (ENCLOSURE).

2. Activity reports

Uyeda reported on a Workshop of a CCOP/ASCOPE Working Group held on 26-27 October 1984 in Bangkok (Uyeda is WG Chairman).
Heat flow work is in progress, including numerous new heat flow density determinations on land and offshore, in Indonesia (in 20 sedimentary basins), Malaysia, Thailand, Philippines, China, Japan; Korea will start offshore heat flow work soon. The next WG meeting shall be held in 2 years. Meanwhile, new
data should be sent to Uyeda in order to incorporate them in the compilation on heat flow density data in Asia by Uyeda and Gupta.

Chapman (Leader, WG "Global heat flow density compilation") reported: The data set includes now over 10,000 values from nearly 9,000 sites. A tape copy can be obtained from the World Data Center or from Chapman. New heat flow density determinations should be coded, especially those from sedimentary basins ("composites"). Wang reports on heat flow work in China, on land and offshore. The total exceeds 100 values by now.

Clauser (Co-Leader, WG "Convective effects") reported on the compilation of literature; it contains now over 300 titles.

Stegena (for the WG "Paleogeothermics") reported that the Proceedings of the Hamburg Workshop (1983) will be published by Springer Verlag.

Stegena reported on the status of the HANDBOOK OF HEAT FLOW DENSITY DETERMINATION (Guidelines of Practice), edited by Haenel, Rybach and Stegena. The material of 8 Chapters has been submitted, the contributions of Balling, Chapman and Rybach are still missing. A contract has been signed with D. Reidel Publishing Co.

3. Future activities

IASPEI Assembly Tokyo (19-30 August 1985)

A one-day Symposium on "Thermal effects of tectonics" will be convened by Chapman and Uyeda.

In addition, an IHFC Workshop should also be held in Tokyo, dealing with "Signatures of perturbing influences on heat flow density"

a) Hydrogeological effects
b) Effects of variable temperature (internal and external)
c) Structural effects (including topography and anisotropy)
d) Effects of deposition and erosion processes.

IHGC Assembly Vancouver (1985)

Possible topics for Symposia for Vancouver have also been discussed. Based on these discussions, the IHFC Bureau proposes the following topics:

1) "Hydrogeological Regimes and their Subsurface Thermal Effects" (to incorporate the outcomes of the Tokyo Workshop)

This Symposium should be jointly organized with IAH and/or IAHS.

Beck and/or Adams shall establish the necessary contacts.

2) "Geothermics and hydrocarbons", possibly jointly organized or co-sponsored by CSPG/AAPG/CSEG. Beck will negotiate.

4. Points raised by absent IHFC Members (written communications)

Hamza proposes to held a Meeting on Geothermics and Hydrocarbons in August 1985 in South America, with IHFC sponsorship.

Cermak proposes to held a Symposium in Vancouver, dealing with Geothermal aspects of Geotraverses.

Haenel urges the heat flow community in general and the IHFC in particular to use the terms

- heat flow density instead of heat flow
- specific entropy instead of entropy
- specific enthalpy instead of enthalpy
- specific heat capacity instead of heat capacity.
The units BTU should not be used.

5. A.O.B.

Beck (Chairman) congratulated M.L. Gupta for the excellent organisation of the Hyderabad Assembly.

In addition to the ad-hoc Meeting of IHFC on 31 October, an informal Meeting of IHFC Members Beck, Uyeda, Stegena, Rybach, Buntebarth, Chapman, Gupta, Thamrin, Wang took place to discuss regional heat flow Monographs on

- Asia (responsible: Gupta). Status: Gupta compiled a large amount of data on a map, secured the agreement of numerous contributors and already received several manuscripts

- Arctic (responsible: Rybach and Lubimova). Status: This is a project, as proposed at the ad-hoc Meeting of IASPEI in Moscow, August 1984. A preliminary list of contents, covering heat flow and tectonic evolution exists.

- South America (responsible: Hamza). Status: ?

Zurich, 12 November 1984

L. Rybach

IHFC Secretary

ENCLOSURE: IHFC Guidelines