

COMMISSION ON THE METEOROLOGY OF THE UPPER ATMOSPHERE (ICMUA)

International Association of Meteorology and Atmospheric Physics (IAMAP)

International Union of Geodesy and Geophysics (IUGG)

Chairman, ICMUA:
Dr. A. D. Belmont
Research Division
Control Data Corporation
P. O. Box 1903
St. Paul, Minnesota
USA 55111

Secretary, ICMUA:
Dr. J. Taubenheim
Zentralinstitut für solar-
terrestrische Physik
Akademie der Wissenschaften
DDR/119 Berlin-Adlershof
GDR

17 January 1978

To: Commission Members

Subject: Seattle Assembly

The Seattle Assembly was a very successful one with many interesting symposia. The ICMUA Sessions presented 55 papers which have recently been published by IAMAP and mailed to all Commission members. The publication consists of extended summaries of almost all the papers presented.

The following members attended the business meeting at the Seattle Assembly, 22 August 1977.

J. Barnett	J. Gille
A. Belmont	J. Gregory
W. Böhme	I. Hirota
B. Boville	C. Justus
D. Cunnold	K. Labitzke

The MAP program was reviewed by Dr. Gregory. ICMUA members were informed that, at the IAMAP Bureau meeting, Professor Junge proposed that IAMAP should be represented on the MAP Committee by a dynamic meteorologist and by a chemist. (These have since been appointed: Professor Hirota and Dr. Hesstvedt.)

Belmont has been appointed IAMAP's representative to SCOSTEP where he is on the SCOSTEP Working Group on Solar-Terrestrial Physics/Meteorology which concentrates on solar-weather relations. There is the intention to make SCOSTEP (Special Committee on Solar-Terrestrial Physics) a Scientific Committee which will give it permanent status like COSPAR, SCAR and SCOR. IAMAP approved this in principle. SCOSTEP will have a Symposium on Solar-Terrestrial Physics from 29 May - 3 June 1978, the week before the next COSPAR meeting in Innsbruck.

The IAMAP Executive Committee at its 21 August meeting encouraged the establishment of ad hoc working groups on special topics within the Commissions to focus attention on particular problems of timely interest and also to permit more scientists, especially younger ones, to participate on Commissions. The minutes of this meeting were not distributed until 30 August, so no action was taken at the ICMUA meeting on 22 August.

At its 1 September meeting, IAMAP added two new Commissions: "Climate", and "Planetary Atmospheres and their Evolution". The "Joint Body" between IAMAP and IAGA which was appointed to coordinate meetings between the two Associations has

To: Commission Members
17 January 1978
Page 2

been replaced by an "Advisory Body" to report to both Executive Committees. The representatives from IAMAP will be the Presidents of the Ozone, Radiation and Chemistry Commissions.

The next ICMUA Symposium will be at the next IUGG General Assembly which will take place 3-14 December 1979 in Canberra, Australia. The next General Assembly of IAMAP after the IUGG Assembly will be held in the Federal Republic of Germany in 1981. The program topics for Canberra should be selected soon so they can be fitted in with the sessions of other Commissions and IAGA.

ICMUA passed the following Resolution:

NOTING the need for meteorological rockets to calibrate satellite observations, and their capability to provide detailed vertical profiles of wind pressure and temperature, and

CONSIDERING the increased need for such data during the planned MAP, and

LEARNING of current plans to discontinue such rocket stations,

EARNESTLY RECOMMENDS that highest priority be given to continuing those stations which sample different latitude belts, especially near the equator and in highest latitudes, and that if some stations must be closed that they be among the multiple stations in the 30°N lat-band. Special importance is attached to Poker Flat, Alaska; Churchill and Primrose Lake, Canada; and Thule, Greenland, for their ability to detect and measure sudden warmings and in providing anchors for the planetary waves on upper stratosphere charts.

The papers at the Joint IAMAP/IAGA Symposium C on Solar-Terrestrial Influences were partly presented as a Poster Session. This was the first use of a Poster Session at a IAMAP Assembly, and in general it seems to have worked very well. Many papers were presented by means of displays at which the author could discuss his work with those who were interested. It provided a much closer contact between the author and interested scientists which enabled many suggestions to be offered which would usually not be made in a formal presentation. ICMUA and IAMAP offered to publish extended summaries of the papers in Joint Symposium C also, and about half of the authors responded with summaries or gave information on where the full paper will be published. It has been decided to publish these papers in a second booklet by IAMAP which should appear in about one month. All authors, co-authors, and Commission members will receive copies of both books. The full title of JS-C was: "Solar-Terrestrial Influence of Solar Activity and Geomagnetic Changes on Weather and Climate: Part 1, Mechanisms by which Solar Activity and Geomagnetic Changes Influence Weather; Part 2, Correlations between Solar Activity and Weather or Climate" (Poster Session).

As Dr. Taubenheim was unfortunately unable to attend, due to a family emergency, these notes were compiled by Belmont.

Taubenheim