

J.D.

INTERNATIONAL COMMISSION ON DYNAMIC METEOROLOGY (ICDM)

INTERNATIONAL ASSOCIATION OF METEOROLOGY AND ATMOSPHERIC PHYSICS (IAMAP)

14 December, 1991

TO: H.C. Davies
I.N. James
P. Taylor (for information)

FROM: Jacques Derome

SUBJECT: Minutes of business meeting

Huw and Ian, would you be kind enough to let me know if you find errors or serious omissions in the enclosed minutes?

Best wishes for the holiday season.



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ICDM Business Meeting
at the XXth General Assembly of the IUGG
Vienna, Austria, 15 August, 1991

Minutes

Present: P.G. Baines, H. Davies (President), J. Derome (Secretary), K. Emanuel, L. Hasse, I. James, N.O. Jensen, B. Legras, M. Moncrieff, A. Plumb, R.E. Stewart, R. Wu
Guests: T. Asai and M. Murakami, Chairman and Secretary, respectively, Local Organizing Committee, IAMAP 1993.

1. Review of agenda.

The President called the meeting to order at 18:00 and welcomed the attendants. The agenda was approved as distributed (Appendix A).

2. Minutes of 1989 business meeting.

The minutes of the previous meeting (8 August, 1989) were approved with the correction of one typographical error. In Appendix B, in line 4 from below, read "R.A. Pielke".

3. Business arising.

The only business arising was the possible restructuring of WGs B and C. The discussion on that topic was postponed to later in the meeting.

4. Report on Commission activities

The President reported that the ICDM is the only international group spanning all areas of dynamic meteorology. One of the positive characteristics of the Commission is the continual renewal of the membership, which is driven by the tradition to appoint members for eight-year terms. The ICDM participation in the organization of symposia has been very active, particularly at the Reading 1989 meeting, in spite of the fact that the Commission has very lean finances. After clarifying how the ICDM links to the IAMAP Executive and how that Executive is structured, he concluded by suggesting that IAMAP should look at how its scientific meetings could differ from those of other organizations such as the EGU, the AMS and the AGU.

5. Reports on Working Group activities

The report of WG-A and the membership list appear in Appendix B of these minutes. The WG Chairman, L. Hasse, mentioned that at a meeting held the previous day the WG had approved a recommendation to support the intercomparison and test of 'inertial dissipation'

systems. He will distribute the recommendation to the Commission members and, unless they object, will assume that the proposal has the support of the Commission.

M. Moncrieff reported that R.E. Stewart, Chairman of WG-C and he had discussed the possible merging of their two working groups. They had recommended against it and the President of the Commission had approved their recommendation. The name of WG-B has been changed from "Cloud Dynamics" to "Convective Processes" to broaden its scope. Both WG Chairmen agreed that frontal processes would fall under the purview of WG-C (Meso-scale Dynamics).

The main activity of WG-B has been the organizing of a symposium on "The effects of air-sea interaction on meso-scale and synoptic-scale circulation in the atmosphere and ocean" in Vienna (co-convenors K. Emanuel and M. Moncrieff), for which about 40 papers were submitted. Some papers could not be accepted for lack of available time, but it turned out that several authors did come to Vienna to present their paper, many of whom did not even notify the convenors ahead of time. M. Moncrieff felt that some procedure should be put in place to reduce the number of "no-shows". K. Emanuel urged that a better coordination mechanism be sought among convenors to facilitate the transfer of some papers from one symposium to another.

The Chairman of WG-C, R.E. Stewart, presented the report on his WG's activities (Appendix C). The WG has gone through a major renewal of its membership. 95 papers were submitted to the Vienna symposium on "Mesoscale meteorology: observational systems, analysis and forecasting" (convenors: R.E. Stewart, W.L. Smith and D. Podhorsky); many presentations were cancelled. Some thought is being given to preparing a special issue of a journal on the symposium.

A. Plumb, Chairman of WG-D, reported that 66 papers were accepted for the symposium on "Vortex Dynamic" (co-convenors A. Plumb and J. Marshall) and 103 papers were accepted for the symposium convened by D.L. Hartmann and T.N. Palmer on "Large-scale atmospheric flow and variability". B. Legras, Secretary of WG-D, mentioned that he was one of 6 convenors for a Union symposium on nonlinear dynamics; this large number of convenors was seen as unsatisfying, and an impediment to the efficient organization of the symposium.

Some general discussion followed on the organization of meetings.

K. Emanuel felt that there is insufficient coordination among commissions. In addition, the ICDM should be able to propose joint meetings with IAPSO in Japan, and should have its voice heard. The members of the commissions should have a clearer feeling that their input is reaching and influencing the upper organizational levels of IAMAP.

M. Moncrieff asked that there be a common deadline for abstracts for all symposia to facilitate the coordination among symposia, e.g., to remove excessive overlap. Also, a draft program should be distributed to the convenors to allow for adjustments. M. Murakami stated that for the 1993 meeting he will get a copy of all abstracts and will take a global view of the meeting to avoid overlaps as much as possible. There will be a common deadline for the submission of abstracts to all symposia. M. Moncrieff emphasized that a mechanism

must be found to minimize "no-shows". The suggestion of requesting a fee with the abstracts was discussed, but no decision was reached on that possibility.

6. Review of Commission membership.

H. Davies indicated that he would like to follow the ICDM tradition and resign as Commission President, now that he has served his four-year mandate. He suggested that, also by tradition, the Secretary be elected President. The latter stated that he would prefer not to serve, and nominated P. Taylor as the next President. The nomination was approved unanimously. I. James was elected Secretary, also unanimously.

To replace the retiring members of the Commission, the following names were proposed: L. Bengtsson (Germany), H.R. Cho (Canada), Li Chongyin (China), J. Garatt (Australia), J.F. Geylein (France), E. Holopainen (Finland), R. Kimura (Japan), R. Lindzen (USA), Dr. V.N. Lykosov (USSR), Zao Ming (China), and J. Testud (France). All names were approved and the Secretary was asked to invite them to join the Commission.

7. Review of Working Group membership

The following were approved as new members of Working Groups:

WG-A: C.M. Beljaars (ECMWF), F. Dobson (Canada) and Ph. Bougeault (France)

WG-B: J. Testud (France), M. Yamasaki (Japan) and Y.Y. Hayashi

WG-C: R. Wu (China) and R. Kimura (Japan)

WG-D: W. Bourke (Australia), M. Blackmon (USA), W. Metz (Germany), M. Ghill (USA), E. Kalnay (USA), Yasamari (Japan) and E. Holopainen (Finland).

The Secretaries of the respective working groups should invite the above scientists to join their WG.

8. IAMAP - 1993 - Symposia topics

A number of suggestions were made regarding possible symposia topics for IAMAP-93. They were discussed in the light of proposals made by IAHS for joint IAMAP-IAHS symposia. The President adjourned the meeting at 20:30 with the understanding that the members were to reconvene at noon the following day.

ICDM Business Meeting
16 August, 1991

Present: H. Davies (President), J. Derome (Secretary), L. Hasse, I. James, B. Legras, M. Moncrieff, A. Plumb, R.E. Stewart

1. The President called the meeting to order at noon. There was general agreement that the Commission would be interested in organizing symposia on the following topics and that the President should so inform the Executive Committee of IAMAP at its next meeting:

	Possible convenors
● The role of clouds in large-scale systems	Moncrieff
● Atmosphere-land-ocean interactions	Charnok, Emanuel, Taylor, Henderson-Sellers
● Global climate modeling and prediction	Bengtsson, Boer
● Dynamics of large-scale systems	Tibaldi, Kalnay, Palmer
● Meso-scale systems (or dynamics)	R. Stewart, Bougeault

The President was also asked to inform the IAMAP Executive that the Commission would be interested in collaborating — but not in taking the lead role — in the organization of symposia on the following topics, which were suggested by the organizing committee of the 1993 IAMAP meeting and/or IAHS:

- Tropical meteorology (Krishnamurti, R. Smith, G. Holland)
- Macro-scale modeling and global data sets

As there was no IAMAP or other business to discuss, the meeting was adjourned.

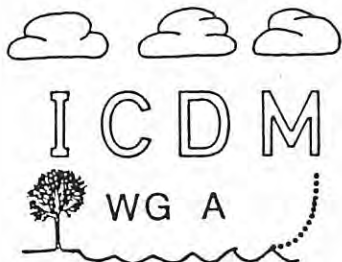
Minutes submitted by Jacques Derome, Secretary ICDM

INTERNATIONAL COMMISSION ON DYNAMIC METEOROLOGY
BUSINESS MEETING

THURSDAY, 15 AUGUST 1991, 18:00

AGENDA

1. Review of agenda
2. Minutes of 1989 business meeting
3. Business arising from the minutes
4. Report on Commission activities (H. Davies)
5. Report on Working Group activities (Chairs or reps of WGs)
6. Review of Commission membership
7. Review of Working Group membership
8. IAMAP - 1993 - Symposia topics
9. IAMAP business
10. Other business



ICDM WGA: Report of Activities 1989 - 1991

The main activities of the WG have been in the organization of symposia at the IUGG and IAMAP meetings and in the solicitation of review papers on selected topics. During IUGG Vienna, P.A. Taylor together with R. Pielke convenes symposium M5 "The parametrization of complex terrain effects in regional and large scale models".

Immediately following the IAMAP Reading assembly, P.A. Taylor (for ICDM WG A) and J. Wyngaard (WMO/CAS) organized a "Planetary boundary-layer model evaluation workshop", the proceedings of which are published by WMO as WCRP-42 (WMO/TD-No 378). WG A had for several years emphasized that PBL models need to be evaluated against a set of field experiments of different situations with well documented, exhaustive data base. The workshop is taken as a valuable step forward to the transportability of boundary-layer models. A review paper on boundary-layer schemes in larger scale models by J. Wyngaard and P.A. Taylor is envisaged but both authors are having difficulty finding time for this. Some, slow, progress is being made on collecting and structuring suitable data sets for an intercomparison of boundary-layer codes.

The WG also encouraged R.A. Brown and D. Etling to review "the role of large scale eddies in the atmospheric boundary-layer".

Between sessions, members of the WG have given some thought on an intercomparison of "inertial dissipation"-systems for stress measurements at sea. Such intercomparison has gained importance with the increased microwave capabilities of satellites to determine wind / stress dependent characteristics of the sea surface, that need ground truth, possibly to be provided by in situ stress measurements.

APPENDIX C

REPORT FROM WORKING GROUP C

The main activities of the WG have centred on the organization of symposia at the IUGG Congress and on the scope of the WG.

R. Stewart was the lead convenor of the symposium "Mesoscale Meteorology: Observational Systems, Analysis and Forecasting". This symposium was successfully able to bring together scientists from a wide range of interests. R. Pielke was a co-convenor of the symposium "The Parameterization of Complex Terrain Effects in Regional and Large-Scale Models." This symposium brought together scientists with interests ranging from microscale processes to large scale models.

In association with the chair of WG, B, R. Stewart established a focus for the WG. WG, B, will focus on convective processes, whereas our working group will span the range of other mesoscale features. Some overlap is expected but the critical important, of the mesoscale requires both WGs.

Discussions within the WG have been held on possible initiatives concerning the relations between mesoscale processes and climate. Future symposia, workshop, or review articles will be encouraged in this area.

ICDM C co-convened two symposia for the 1991 Vienna IAMAP.

M-5 The Parameterization of Complex Terrain Effects in Regional and Large-Scale Models (Peter Taylor and Roger Pielke).

M-9 Mesoscale Meteorology: Observational Systems, Analysis and Forecasting (R. Stewart, W.L. Smith, D. Podhorsky).

A special issue of Atmospheric Research is being considered as a product of the M-9 Symposium. The M-5 symposium has invited its participants to submit peer-reviewed papers to Earth Science Reviews.

We suggest one possibly two new member(s): Dr. Kimura from Japan and one from the Peoples Republic of China.

Roger Pielke August 15, 1991

APPENDIX D

REPORT FROM WORKING GROUP D

The activity of ICDM Working Group D has focused on the preparation of this assembly. Two IAMAP symposia in "Vortex Dynamics in the Atmosphere and Oceans" and on "Large-Scale Atmospheric Flow and Variability" have been convened by two of our members, Drs. A. Plumb and T. Palmer (in collaboration with D. Hartmann). Both meetings have attracted a large number of high-quality contributions. B. Legras has been involved in the preparation of the Union Symposium on "Non-linear Dynamics and Predictability of Critical Geophysical Phenomena."

Huw, Ian and Peter: This page will be enclosed with the minutes sent to ICDM members, for information.

IAMAP - 1993

On August 20, 1991, the IAMAP Executive approved the following symposia:

1. Global monitoring and advanced observing techniques in the atmosphere and hydrosphere (with IAHS). 4 days
2. The interaction of snow cover with climate and ecosystems (with IAHS). 3 days
3. Process understanding and atmosphere/land interactions (with IAHS). 4 days
4. Precipitation (with IAHS). 5 days
5. Monsoon and tropical meteorology. 3 days
6. Processes of mass and energy exchange between the atmosphere and polar surfaces. 2 days
7. Atmosphere/ocean interactions 3 days
8. Middle atmosphere (IAMAP/IAGA). 6 days
9. Global climate models. 4 days
10. Dynamics of large-scale flow. 3 days
11. Mesoscale meteorology: observing systems, analysis and forecasting. 3 days
12. Middle atmosphere aerosols and Mount Pinatubo. 1 day
13. The international global atmospheric chemistry project.
14. Atmospheric electricity.
15. Stratosphere-troposphere interactions with the biosphere. 1 day