

WORLD METEOROLOGICAL ORGANIZATION

EXECUTIVE COUNCIL

FIFTY-FIRST SESSION

GENEVA, 27–29 MAY 1999

ABRIDGED FINAL REPORT WITH RESOLUTIONS

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REPORTS OF RECENT WMO SESSIONS

Congress and Executive Council

- 829 — **Executive Council**. Forty-seventh session, Geneva, 22–23 June 1995.
- 846 — **Executive Council**. Forty-eighth session, Geneva, 11–21 June 1996.
- 867 — **Executive Council**. Forty-ninth session, Geneva, 10–20 June 1997.
- 880 — **Twelfth World Meteorological Congress**. Proceedings, Geneva, 30 May–21 June 1995.
- 883 — **Executive Council**. Fiftieth session, Geneva, 16–26 June 1998.
- 902 — **Thirteenth World Meteorological Congress**. Geneva, 4–26 May 1999.

Regional associations

- 851 — **Regional Association II** (Asia). Eleventh session, Ulaanbaatar, 24 September–3 October 1996.
- 868 — **Regional Association IV** (North and Central America). Twelfth session, Nassau, 12–21 May 1997.
- 874 — **Regional Association III** (South America). Twelfth session, Salvador, 17–26 September 1997.
- 882 — **Regional Association VI** (Europe). Twelfth session, Tel Aviv, 18–27 May 1998.
- 890 — **Regional Association V** (South-West Pacific). Twelfth session, Denpasar, 14–22 September 1998.
- 891 — **Regional Association I** (Africa). Twelfth session, Arusha, 14–23 October 1998.

Technical commissions

- 825 — **Commission for Agricultural Meteorology**. Eleventh session, Havana, 13–24 February 1995.
- 852 — **Commission for Hydrology**. Tenth session, Koblenz, 2–12 December 1996.
- 854 — **Commission for Basic Systems**. Eleventh session, Cairo, 28 October–7 November 1996.
- 860 — **Commission for Marine Meteorology**. Twelfth session, Havana, 10–20 March 1997.
- 870 — **Commission for Climatology**. Twelfth session, Geneva, 4–14 August 1997.
- 879 — **Commission for Atmospheric Sciences**. Twelfth session, Skopje, 23 February–4 March 1998.
- 881 — **Commission for Instruments and Methods of Observation**. Twelfth session, Casablanca, 4–12 May 1998.
- 893 — **Commission for Basic Systems**. Extraordinary session, Karlsruhe, 30 September–9 October 1998.
- 899 — **Commission for Aeronautical Meteorology**. Eleventh session, Geneva, 2–11 March 1999.

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**Secretariat of the World Meteorological Organization - Geneva - Switzerland
1999**

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GENERAL SUMMARY OF THE WORK OF THE SESSION

The Executive Council (EC) of the World Meteorological Organization (WMO) held its fifty-first session from 27 to 29 May 1999 at the WMO Headquarters, after the closure of the Thirteenth World Meteorological Congress at the Geneva International Conference Centre, under the chairpersonship of Mr J. W. Zillman, President of WMO.

1. ORGANIZATION OF THE SESSION (agenda item 1)

1.1 OPENING OF THE SESSION (agenda item 1.1)

1.1.1 The President of the Organization opened the session at 9.30 a.m. on 27 May 1999.

1.1.2 In his opening remarks, the President said that the fifty-first session of the EC was historic, as it was the first to be held in WMO's new Headquarters building. He congratulated members on their election to the Council and welcomed especially the new members of the Council. A complete list of participants is given in [Appendix A to this report](#).

1.1.3 The President referred to the earlier meeting of EC-elect which was organized to facilitate the work of the present session of EC and reminded members of the role of the Council, of their important responsibilities and the many critical tasks they had to carry out over the next four years. He drew attention to the levels of guidance which the Executive Council had to provide in the implementation of the decisions of Congress.

1.1.4 During the short session of Council, immediately following Thirteenth Congress, a number of important actions relating to the mandatory annual work of the Council, such as consideration of reports of sessions of constituent bodies, subsidiary bodies and matters relating to various prizes and awards were to be taken. In addition, the Council was also required to agree on the programme and budget for the first biennium (2000-2001) and the establishment of a number of bodies reporting to the Council, some of which had to commence work without delay.

1.2 APPROVAL OF THE AGENDA (agenda item 1.2)

The Executive Council adopted the agenda, which is reproduced in Appendix B to this report.

1.3 ESTABLISHMENT OF COMMITTEES (agenda item 1.3)

1.3.1 The Executive Council decided not to set up the traditional working committees. Most items were therefore considered in the Committee of the Whole. However, the following small subgroups were established to consider specific items:

PROGRAMME AND BUDGET 2000-2001

Chairperson: J.-P. Beysson

Vice-chairperson: Z. Alperson

Core members: J. J. Kelly, Jr.
E. A. Mukolwe
F. Camargo Duque
Y. Takigawa
R. R. Kelkar
A. I. Bedritsky

SCIENTIFIC LECTURES FOR EC-LI

Chairperson: G. A. McBean (alternate – D. Grimes)
A. Diouri

WORLD METEOROLOGICAL DAY 2001

Chairperson: C. Finizio
F. Oyou
A. J. Dania
A. M. Noorian

1.3.2 The Council also agreed on the membership of the Selection Committees for the International Meteorological Organization Prize, the WMO Research Award for Young Scientists, the Professor Dr Vilho Vaisala Award, the Norbert Gerbier-MUMM International Award and the WMO Staff Pension Committee.

1.4 PROGRAMME OF WORK OF THE SESSION (agenda item 1.4)

The necessary arrangements concerning the working hours and the allocation of agenda items to the Committee of the Whole were made. A full list of documents presented at the session is contained in [Appendix B to this report](#).

1.5 APPROVAL OF THE MINUTES (agenda item 1.5)

The Executive Council decided to approve the minutes of all the plenary meetings by correspondence in accordance with Rule 13 of the Rules of Procedures of the Executive Council.

2. REVIEW OF PANELS AND OTHER BODIES OF THE EXECUTIVE COUNCIL (agenda item 2)

2.1 The decisions of Thirteenth Congress requiring follow-up action by EC were discussed and recorded under agenda item 3 along with the decisions of the Council relating to changes in the structure of its panels and other bodies.

2.2 It was agreed to re-establish the following EC panels of experts:

- (a) EC Panel of Experts on Education and Training;
- (b) EC Panel of Experts/CAS Working Group on Environmental Pollution and Atmospheric Chemistry;
- (c) EC Panel of Experts/CAS Working Group on Physics and Chemistry of Clouds and Weather Modification Research.

2.3 It was agreed to re-establish the following EC working groups and advisory groups:

- (a) EC Working Group on Antarctic Meteorology;
- (b) EC Working Group on Long-term Planning (and an associated Task Team on WMO Structure);
- (c) EC Advisory Group on the International Exchange of Data and Products (formerly the EC Advisory Group on the Exchange of Meteorological and Related Data and Products);
- (d) EC Advisory Group of Experts on Technical Co-operation. In that connection, the Council adopted [Resolution 1 \(EC-LI\)](#).

2.4 It was agreed to establish the following new EC advisory groups:

- (a) EC Advisory Group on the Role and Operation of NMHSs;
- (b) EC Advisory Group on Climate and Environment.

2.5 It was agreed to re-establish the following selection committees for WMO awards and prizes:

- (a) Selection Committee for the IMO Prize;
- (b) Selection Committee for the WMO Research Award for Young Scientists;
- (c) Selection Committee for the Professor Dr Vilho Vaisala Award;
- (d) Selection Committee for the Norbert Gerbier-MUMM International Award.

2.6 It was agreed to re-establish the following other bodies reporting to EC:

- (a) Joint WMO/ICSU Scientific Committee for the World Climate Research Programme;
- (b) Inter-agency Committee on the Climate Agenda (IACCA);
- (c) Steering Committee for the Global Climate Observing System;
- (d) Joint IOC/WMO Committee for the Integrated Global Ocean Services System;
- (e) Data Buoy Cooperation Panel;
- (f) Joint IOC/WMO/UNEP Intergovernmental Committee for Global Ocean Observing System;
- (g) Meetings of Presidents of Technical Commissions;
- (h) WMO Staff Pension Committee.

2.7 The membership of EC panels and other bodies reporting to the Executive Council is given in [Annex I to this report](#).

3. CONSIDERATION OF DECISIONS OF THIRTEENTH CONGRESS REQUIRING URGENT ACTION BY THE EXECUTIVE COUNCIL (agenda item 3)

LONG-TERM PLANNING

3.1 The Executive Council noted the relevant decisions of Thirteenth Congress relating to the monitoring of the implementation of the earlier long-term plans, the adoption of the 5LTP (2000-2009) and the preparation of the 6LTP.

3.2 The Council particularly noted the request of Congress that its review of the WMO programme and organizational structure and the preparation of the four-year programme and budget be closely linked with the long-term planning process. It agreed that the

preparation of the 6LTP would also need to take account of the Council's work on other major issues facing WMO, including the role and operation of NMHSs, interactions with other disciplines and programmes and with the non-State sector, and developments in the international exchange of data and products.

3.3 The Council further noted the request of Thirteenth Congress to review the monitoring process and to study further (in the light of the experience gained during the preparation, implementation and monitoring of the previous Plans), the format, contents and the period of coverage of the 6LTP, with a view to further improving the planning process and the WMO long-term plans. It decided to re-establish the EC Working Group on Long-term Planning, which would meet twice during the thirteenth financial period in 2000 and 2002. When establishing the working group, the Council took into account the request of Congress to give consideration to the participation of other experts, in addition to EC members, to its work.

3.4 In that connection, the Council adopted [Resolution 2 \(EC-LI\)](#).

WMO STRUCTURE

3.5 The Council noted that Thirteenth Congress had decided to continue the overall review of the WMO structure and operating mode and to develop, through a new review conducted by EC, recommendations on the WMO structure and operating mode with the specific objective "to enable the Organization to respond more effectively to the evolving needs of Members and of society as a whole". The Council further noted the view of Congress that the continuing process of reviewing the WMO structure and operating mode should be closely linked with the long-term planning process to ensure compatibility of the two, and that any future structure and operating mode should support the means of achieving the objectives of the Long-term Plan.

3.6 Following the request by Congress to EC to supervise the continued review of the WMO structure and operating mode, the Council decided that a small task team should be established with the main responsibility of identifying feasible and effective actions to be taken by the Council itself and/or to be proposed to the next Congress. The membership of the task team should include the chairperson of the EC Working Group on Long-term Planning and a few other members of the Group. The Council authorized the chairperson of the EC Working Group on Long-term Planning, in consultation with the President and other members of the Group involved, to co-opt, as necessary and within available resources, other experts to assist the Task Team. The Council further decided that the Task Team should:

- (a) Develop, based on the experience accumulated during the previous process of reviewing the WMO structure and operating mode, initial proposals for consideration by EC on the conduct of the continuing review, including the timetable of the work of the team and modalities for the involvement of Members and the WMO constituent bodies in the process;

- (b) Undertake, in coordination with the presidents of technical commissions and regional associations, a study of views of members and WMO constituent bodies on ways and means of achieving a WMO structure and operating mode, which would meet the objective of the review as established by Thirteenth Congress;
- (c) Identify options for the modification of the WMO structure and operating mode in the light of the Long-term Plan and produce an analysis of comparative advantages of those options;
- (d) Take into account, in their work on developing proposals on the WMO structure and operating mode, the relations of WMO with intergovernmental organizations, including those of the United Nations, and various non-State parties, including non-governmental organizations, academia and media, and the implications of developments in the private sector;
- (e) Work in coordination with the long-term planning process to ensure compatibility of the proposals on the future structure and operating mode with those on the WMO Long-term Plan, in order to support the means of achieving the objectives of the Plan;
- (f) Report annually to EC, through the chairperson of the EC Working Group on Long-term Planning, with a view to ensuring submission by the Council of the relevant proposals to Fourteenth Congress.

3.7 The Council considered that, if proposals concerning the WMO structure and operating mode were to be adopted by Fourteenth Congress, the decisions of Congress would constitute a basis for the preparation of the Seventh WMO Long-term Plan and the WMO programme and budget for the period 2008-2017.

3.8 The Council noted the request made by Thirteenth Congress to review, in the light of the changes in the number of Members in WMO Regions, the process of electing 36 members of EC to ensure equitable regional representation among and inside Regions. The Council also noted the request made by Congress to present proposals, if any, for consideration by Fourteenth Congress for possible adoption prior to electing members to EC for the fourteenth financial period. The Council requested the Secretary-General to initiate consultations with Regions on that matter, taking into account all relevant considerations and to submit the report to the next session of the Council.

ROLE AND OPERATION OF NATIONAL METEOROLOGICAL AND HYDROLOGICAL SERVICES

3.9 The Executive Council noted the decisions of Thirteenth Congress on the relevant issues on the subject of the role and operation of NMHSs. The Council further noted the special importance Congress attached to the subject as reflected in the adoption of its significant Geneva Declaration and Resolution 26 (Cg-XIII).

3.10 In view of the request made by Congress to the Council to keep that subject under review and to set up the necessary mechanism to ensure the further

strengthening of the role and operation of NMHSs, the Council decided to establish an EC Advisory Group on the Role and Operation of National Meteorological and Hydrological Services. The Council requested CHy to assist it in that task, in particular as regarded the role and operation of NHSSs.

3.11 In that connection, the Council adopted [Resolution 3 \(EC-LI\)](#).

3.12 In connection with the above decision, the Council requested the Advisory Group to take particular consideration of the following decisions of Congress in carrying out its tasks:

- (a) Congress further requested EC to consider, as part of the overall continuing review of the WMO structure and operating mode, the relations of WMO with intergovernmental organizations, including those of the United Nations family, and various non-State parties, including non-governmental organizations, academia and media. Congress further requested EC to take account of the implications of developments in the private sector (see general summary paragraph 6.4.9 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902));
- (b) Congress considered the need for a possible mechanism for cooperation between NMHSs, the media, private sector and academia on various issues of mutual interest. That mechanism should include methods for collaboration and ways to address international issues involving the media, the private sector and NMHSs. Congress asked EC, with some urgency, to consider that topic of partnership and cooperation further so as to ensure complementarity with the role of NMHSs, and to suggest mechanisms by which Members could more actively involve the media, the private sector and academia in the work of WMO and the NMHSs. The Council should also suggest ways of enhancing cooperation with international representatives of the various sectors, respecting the principles of the Organization, including Article 26 of the WMO Convention (see general summary paragraph 7.2.27 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902));
- (c) Congress agreed that some of the issues could be resolved more easily if there was a means to develop standard definitions for certain terms, to include: privatization, commercialization, user, partnership, attribution, level playing field, single official voice, mitigation, "core" or basic functions, value-added or specialized services, and related data. It requested EC to address the problem of definitions of commonly used terms, as they related to a number of major issues being addressed by WMO (see general summary paragraph 7.2.28 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902)).

3.13 The Council also requested the Advisory Group to take appropriate measures so as:

- (a) To encourage further studies into the cost, benefits and value of weather, climate and hydrological services as a means to increase the visibility and support of NMHSs, taking into account the related actions that would be undertaken by the Secretary-General in that connection as requested by Congress (see general summary paragraph 7.2.25 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902)); and
- (b) To promote the exchange of relevant information between Members, especially their NMHSs, so that information on the full range of national experiences could be shared (see general summary paragraph 7.2.30 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902)).

3.14 In designating members of the Advisory Group, the Council recognized the importance of cross linkage between the work of that Advisory Group and that of the Working Group on Long-term Planning and the Task Team on WMO Structure.

3.15 The Council noted that it would need to consider how to respond to 'REQUESTS the Executive Council (d)' of Resolution 26 (Cg-XIII) at its next session.

INTERNATIONAL EXCHANGE OF DATA AND PRODUCTS

3.16 The Executive Council noted the decisions taken by Thirteenth Congress relating to various aspects of the international exchange of data and products relevant to WMO.

3.17 The Council further noted the request made by Thirteenth Congress for EC to continue monitoring the implementation of Resolution 40 (Cg-XII) — WMO policy and practice for the exchange of meteorological and related data and products including guidelines on relationships in commercial meteorological activities, with the assistance of CBS and other technical commissions, as appropriate, as well as to address any relevant issues that might arise and report on the results to Fourteenth Congress.

3.18 In view of Resolution 25 (Cg-XIII), the Council invited CHY to provide advice and assistance on technical aspects of the implementation of the practice on the international exchange of hydrological data and products and to assist the Council in keeping the implementation of that resolution under review which would aid the Council in preparing its report to Fourteenth Congress.

3.19 In view of the above, the Executive Council adopted [Resolution 4 \(EC-LI\)](#).

ENHANCEMENT OF ACTIVITIES WITHIN THE CLIMATE AGENDA

3.20 The Executive Council considered the need to develop and enhance climate-related activities within the framework of the Climate Agenda for the benefit of WMO Members, with particular reference to the role that WMO should play in assisting Members to address the need for adaptive strategies to cope with climate

variability and change. In that regard, the Council recognized that focussed attention should be applied to the existing and required mechanisms for collaboration and coordination on three levels: interagency; inter- and intra-governmental; and internal (within WMO).

3.21 The Council's consideration of inter-agency coordination is covered in agenda item 5. It was noted that successful inter-agency coordination was dependent upon the recognition of the importance of climate variability and change within the partner organizations, which in turn depended upon that recognition by the representatives within their governing bodies. Thus, the mechanisms for the other two levels of coordination and collaboration were linked to those of IACCA.

3.22 The Council regarded the critical need to simplify and clarify responsibilities to address priority setting and resource requirements for climate activities that focussed on climate variability in addition to climate change, and emphasized the importance of involvement of the NMHSs in developing and implementing national climate programmes to ensure effective representation in any resulting intergovernmental body. The Council determined that the minimum set of areas for such a mechanism to address included the following:

- (a) Climate observing systems;
- (b) Climate research;
- (c) Climate data management;
- (d) Climate impact assessment and response strategies;
- (e) Establishment and support for regional climate centres.

3.23 Stressing the need to address the intergovernmental and intra-governmental issues in an integrated way and to clarify and simplify the overall arrangement for handling climate issues, the Council appointed an EC Advisory Group on Climate and Environment, and requested that it report its findings to its fifty-third session. The Council requested the Secretary-General to prepare draft terms of reference for the Advisory Group in consultation with the chairperson and to submit those for approval to its fifty-second session.

3.24 The Council expressed the need for enhanced internal coordination of climate activities within WMO, especially with regard to aligning better with the other two levels of coordination and collaboration, to promote more effective implementation of national and international climate programmes. The Council requested the Secretary-General to devote particular attention to that issue.

WMO MECHANISM FOR POLICY LEVEL INTERACTION WITH OPERATORS OF ENVIRONMENTAL SATELLITES

3.25 The Executive Council noted the need to build a new and closer partnership under the auspices of WMO between the meteorological and hydrological services and environmental satellite communities. In particular, the Council was of the belief that it should receive advice from those entities that were providing satellite systems that required major investment in order to meet WMO Member needs, including those missions of a research nature not normally included in the space-based subsystem of the

GOS. The Council also felt it appropriate to hold discussions with those satellite operators who had the capability or would have the capability to provide data, products and services in support of WMO Programmes and international projects and activities sponsored by WMO. The Council also recognized that the satellite operators needed to receive requirements approved at WMO policy levels to help justify the needed financial investments.

3.26 As a result, the Council requested the Secretary-General to arrange, in consultation with the President and the Permanent Representatives of satellite-operating countries, a meeting between representatives of EC and directors of agencies providing environmental observation satellites. The representatives of EC should reflect adequately the broad interests of Members including regional balance, user representation, and those members with satellite operating agencies. The intent of the meeting would be to provide guidance on the best way to deal with the policy level decisions of the Organization on satellite matters. The result of the meeting should be provided to its fifty-second session for consideration.

TECHNICAL COOPERATION PROGRAMME

3.27 The Executive Council noted that Thirteenth Congress had decided that the VCP would be continued during the thirteenth financial period (Resolution 18 (Cg-XIII)). Congress also agreed on the fields of cooperation covered by the VCP and the continuation of the use of the previously established rules and procedures for the VCP.

3.28 The Council noted that the VCP(F) funds were used for spare parts, shipping of equipment, expert services, fellowships and high priority programmes in 1998 in accordance with the guidelines and the allocations approved by its forty-eighth session and approved the allocations of the VCP(F) for 1999, based on an estimated income of approximately US\$ 350 000 as given in [Annex II to this report](#). The Council authorized the Secretary-General to implement the projects as funds became available.

3.29 The Council noted that Thirteenth Congress had decided to expand the scope of the WMO Disaster Assistance Fund for Meteorological and Hydrological Services (known as the WMO Emergency Assistance Fund) to cover disasters related to other causes, such as wars. As authorized by Thirteenth Congress, the Council amended the rules and procedures for the operation of the Fund established by its forty-third session and accordingly adopted [Resolution 5 \(EC-LI\)](#).

4. REPORTS OF SESSION OF CONSTITUENT BODIES (agenda item 4)

REPORTS OF THE TWELFTH SESSIONS OF RA I AND RA V

4.1 The Executive Council considered the report of the twelfth session of Regional Association I and embodied its decisions in [Resolution 6 \(EC-LI\)](#).

4.2 The Council also considered the report of the twelfth session of Regional Association V (South-West

Pacific) and embodied its decision in [Resolution 7 \(EC-LI\)](#).

REPORT OF THE EXTRAORDINARY SESSION (1998) OF THE COMMISSION FOR BASIC SYSTEMS

4.3 The Executive Council noted with appreciation the report of the extraordinary session (1998) of CBS, which addressed urgent technical matters needed to stay abreast of rapidly-moving technological developments and the pressing issue of implementing a more effective working structure for the Commission. It noted with particular appreciation the actions taken by the Commission, which had been reported to Thirteenth Congress, in response to the Council's earlier decisions regarding the proposed new practice for the exchange of data and products.

4.4 The Council was pleased to note the initiative taken by the Commission in adopting new arrangements to carry out the Commission's work. The Council noted that CBS would review the new working structure at its regular session in 2000 in the light of the experience gained and noted that Thirteenth Congress had encouraged the Commission to develop further the new working structure with a view towards realizing its full benefits. The Council raised some questions concerning the new working structure and looked forward to receiving a progress report from the president of CBS after the Commission session.

4.5 The Council recorded its decisions on the recommendations adopted by the session in [Resolution 8 \(EC-LI\)](#).

REPORT OF THE ELEVENTH SESSION OF THE COMMISSION FOR AERONAUTICAL METEOROLOGY

4.6 The Executive Council noted with appreciation the report of the eleventh session of CAeM, held in Geneva from 2 to 11 March 1999. The Council expressed its appreciation to the Secretary-General for having provided the published report so soon after the session. The Council expressed its gratitude to all CAeM members for their valuable work undertaken since the last session of the Commission in 1994. The Council in particular wished to thank Mr C. Sprinkle (United States), the outgoing president of the Commission, for his many years of service to the Aeronautical Meteorology Programme. The Council recognized and congratulated the newly elected president of the Commission, Mr N. Gordon (New Zealand), and the vice-president, Mr J. Goas (France).

4.7 The Council noted with satisfaction the major achievements of the Commission during its inter-sessional period related to training, the implementation of WAFS and changes to the WMO Technical Regulations. During the overall discussions relating to the Aeronautical Meteorology Programme, it was pointed out that CAeM was a very important Commission particularly for developing countries. It was felt that the WMO Regional and Subregional Offices should contribute to the dissemination of information on CAeM activities in Member countries. With regard to

implementation of WAFS, the Council noted with appreciation that both the United Kingdom and the United States had indicated that they would continue to provide support to Members to enable them to access and use WAFS data and products. Other major achievements included the establishment of the AMDAR Panel, good progress on the issue of cost recovery from aviation and the preparation of various publications and training material. The Council stressed the importance of the implementation of the WMO AMDAR programme in making available timely, high quality automated meteorological reports from aircraft to relevant meteorological centres and welcomed the possible availability of such data from previously data-void areas particularly over oceans. The Council was informed that the AMDAR Panel, established in March 1998, would hold its next meeting in October 1999. The Council noted with satisfaction the appointment of an AMDAR Technical Coordinator for the Panel who had started his work in April 1999 and expressed its appreciation to the United Kingdom Meteorological Office for hosting the Coordinator. The Council concurred with the view that most of those achievements had only been possible through the active participation of WMO Members, other WMO technical commissions, international organizations including ICAO, and aviation user organizations.

4.8 The Council noted with particular satisfaction the efforts put forward by Members, other partner international organizations and the WMO Secretariat in conducting 23 aeronautical meteorology-related training events since 1994. The Council expressed its appreciation to all those who had contributed to that successful undertaking. The Council urged Members to continue to support training activities under the Aeronautical Meteorology Programme during the next CAeM inter-sessional period. In that connection, the Council particularly recognized the United Kingdom/WMO annual Training Seminar on Aeronautical Meteorology Forecasting as the model of cooperation that could be followed by other Members to support the training activities. The Council was informed that the preparation of the Tropical Meteorology Compendium was at a very advanced stage and it was planned to finalize the draft in the near future. Regarding the legal basis for cost recovery for aeronautical meteorological services, the Council recalled that WMO had been actively involved in the work of the ICAO Air Navigation Services Economics Panel. The work of that Panel resulted in the development and publication of the current ICAO *Manual on Air Navigation Services Economics* (Doc 9161-AT/724) which provided guidance on the cost recovery for air navigation services including aeronautical meteorological services. The Council noted that a WMO guide on aeronautical meteorological services cost recovery had been approved by the last session of CAeM and would be published as soon as possible. Moreover, the Council noted with pleasure that three regional seminars on cost recovery would be held for participants from countries in Regions I, II and V in November and December 1999. The Council acknowledged the need for holding additional seminars on cost recovery for aeronautical meteorological

services for other Regions, in particular Regions III and IV during the next financial period.

4.9 The Council approved the new text adopted by the Commission for the first row of Tabular Form, Model D, Attachment to Technical Regulation [C.3.2] (*Technical Regulations* (WMO-No. 49)), to read "Frequencies of occurrence of the concurrent wind direction (in 30° sectors) and speed within specified ranges".

4.10 The Council recorded its decision on the various resolutions and recommendations of the eleventh session of CAeM in [Resolution 9 \(EC-LI\)](#).

REPORT OF THE TWELFTH SESSION OF THE COMMISSION FOR AGRICULTURAL METEOROLOGY

4.11 The Executive Council noted with appreciation the provisional report of the twelfth session of CAgM which was held in Accra, Ghana, from 18 to 26 February 1999 at the kind invitation of the Government of Ghana.

4.12 The Council noted that the provisional report was circulated in view of the lack of quorum at the session when the PINKS were adopted. The 19 resolutions and the two recommendations of the session had been submitted by the Secretary-General to the Permanent Representatives by correspondence for final decision. The Council noted that subject to their approval, the Secretariat would undertake appropriate action to support the implementation of those resolutions and decisions.

4.13 The Council recalled that Thirteenth Congress had decided that in view of the lack of quorum during the election of officers of the Commission, the results of the election process at CAgM-XII should be transmitted for decision without delay to Permanent Representatives of Members of WMO which had designated experts to represent them permanently in the Commission. The Council noted that the Secretariat was undertaking appropriate action to implement that specific decision of Congress.

4.14 In the light of the ongoing actions, the Council authorized the President of WMO to take appropriate follow-up actions on its behalf on the report of the twelfth session of CAgM.

5. REPORTS OF SESSIONS OF PANELS AND WORKING GROUPS REPORTING TO THE EXECUTIVE COUNCIL (agenda item 5)

EC PANEL OF EXPERTS/CAS WORKING GROUP ON ENVIRONMENTAL POLLUTION AND ATMOSPHERIC CHEMISTRY

5.1 The Executive Council noted with appreciation the report of the meeting of the EC Panel of Experts/CAS Working Group on Environmental Pollution and Atmospheric Chemistry (Zurich, 8-11 March 1999). Furthermore, the Council noted the following pertinent observations and recommendations made by the Panel:

- (a) Continuity of GAW activities under the broad guidelines of the Strategic Plan to attain the vision and objectives of Twelfth Congress was essential. It was to be recognized that the Plan was an evolving document and that specific elements would be modified with changing conditions and with operating experience;

- (b) Recognition of specific individuals and institutions supporting GAW activities was an important factor in maintaining their continued intellectual and financial support;
- (c) The importance and future potential of the World Wide Web as a means of communicating GAW data and information. Current GAW activities in that area were endorsed and rapid expansion and development was encouraged.

While endorsing those observations and recommendations, the Council emphasized the need for strong governmental support in view of the long-term operational nature of the GAW programme.

5.2 The Council expressed its concern over the potential loss of satellite-derived ozone data relevant to the long-term stratospheric and total-column ozone trends. If indeed such a gap in satellite ozone coverage developed in the near future (extending up to three years), GAW and affiliated programmes would like to cooperate closely with space agencies to assure proper ground-based global coverage, using data from the Dobson, ozone-sonde, Brewer, and LIDAR stations during the interim time-period. That would require enhanced sampling and quality assurance activities that must be carefully coordinated and monitored.

5.3 The Council noted that GAW was providing the required long-term, quality-assured measurements on the composition of the atmosphere in support of ground truthing satellite sensors. Furthermore, the Council recommended that satellite sensors be continuously validated over their entire lifetime. To ensure the availability of high quality, ground-based measurements over a long period of time, the Council urged the satellite research community to share responsibility and resources with GAW and related programmes in maintaining high quality network operations in support of research satellite ground truthing over the lifetime of sensors.

5.4 Regarding urban air quality, it was a major factor for public health and life expectancy in many urban regions throughout the world. The Council recognized that an increased activity by GAW could lead to an enhanced recognition of its central role in environmental issues and could increase WMO's opportunities to enter into joint ventures and attract external resources. The responsibility of WMO in collaboration with other United Nations bodies, to contribute to the diagnosis and forecast of urban air quality and make recommendations for improvements was recognized.

EC PANEL OF EXPERTS/CAS WORKING GROUP ON PHYSICS AND CHEMISTRY OF CLOUDS AND WEATHER MODIFICATION RESEARCH

5.5 The Executive Council noted the highly successful Seventh WMO Scientific Conference on Weather Modification (Chiang Mai, Thailand, 17-22 February 1999). More than 85 scientific presentations were made to the 221 participants from 34 countries who attended. Among the many outcomes of the conference, the

Council noted the recognition that many more tools and techniques were now available, such as advanced instruments to observe the fine structure of clouds or sophisticated cloud models and high resolution mesoscale models, and therefore that the present context was favourable to progress in weather modification. Such advance would nevertheless only be possible if more research programmes and/or experiments to evaluate or to improve the cloud seeding technology were promoted. That was discussed and endorsed by Thirteenth Congress.

5.6 The Council, noting the encouraging results presented at the Conference by several experiments in different parts of the world showing positive results for individual cloud seeding using hygroscopic seeding techniques developed by South Africa, requested the EC Panel of Experts/CAS Working Group on Physics and Chemistry of Clouds and Weather Modification to review those activities and report to its next session. The Council also welcomed further international cooperation on that matter and endorsed the planned organization by WMO of a specific workshop on the subject by the end of 1999.

5.7 The Council, also noting the emphasis given during the Conference to the importance of inadvertent weather modification by interaction between clouds and pollutants, recommended that more consideration be given to that question by the WMO Programmes involved, namely the Physics and Chemistry of Clouds and Weather Modification Research Programme, GAW and WCRP.

REPORT OF THE EC PANEL OF EXPERTS ON EDUCATION AND TRAINING

5.8 The Executive Council noted with satisfaction the report of the eighteenth session of its Panel of Experts on Education and Training, held in Florence, Italy, from 18 to 22 January 1999. The Council was informed of the progress made in the preparation of the new revised edition of the *Guidelines for the Education and Training of Personnel in Meteorology and Operational Hydrology* (WMO-No. 258) and expressed the hope that that publication could be released in the year 2000. It was also pleased to hear of the creation of a "Virtual Training Library" within the Internet ETRP subpage.

5.9 The Council was informed of the recommendation of the RA VI (Europe) made during its twelfth session, that the Anatolian Meteorological Technical High School (AMTHS) located in Ankara, Turkey be considered for designation as a WMO RMTC for Class II level training. Noting the positive views of the Secretariat and the EC Panel of Experts on Education and Training, the Council decided to recognize AMTHS, as a WMO RMTC in Region VI, for the education and training of meteorological personnel at Class II level (meteorological technicians) in Turkish and English, subject to the signing of an agreement between the host country and WMO in accordance with the criteria established by its thirty-fourth session.

REPORT OF THE SEVENTH SESSION OF THE EC WORKING GROUP ON ANTARCTIC METEOROLOGY

5.10 The Executive Council noted the report of the seventh session of the EC Working Group on Antarctic Meteorology, held in Hobart, Australia, from 7 to 11 September 1998, and expressed its appreciation for the work carried out by the working group under the chairpersonship of Mr H. Hutchinson (Australia). It was also noted that the report had been distributed to Permanent Representatives of Members which were Parties to the Antarctic Treaty for comments prior to the submission of relevant recommendations to the Council. The Council reviewed the amendments to the terms of reference of the working group as proposed by the seventh session and agreed to maintain its Working Group on Antarctic Meteorology with revised terms of reference. **Resolution 10 (EC-LI)** was adopted.

5.11 The Council considered the revised list of stations comprising the ABSN proposed by the working group and approved it by adopting **Resolution 11 (EC-LI)**. In considering the further development of the GOS in the Antarctic, the Council stressed that efforts should continue to be made to introduce and benefit from new observing systems, such as automatic weather stations (land and marine), ASAP, AMDAR and modern satellite observing techniques. In that connection, the Council decided that Resolutions 11 (EC-XLVI) — Organization of an International Programme for Antarctic Buoys, and 12 (EC-XLVI) — Further development of the Global Observing System in the Antarctic, be retained in force.

5.12 The Council noted the evolution of the telecommunication arrangements in the Antarctic with the global evolution of the GTS arrangements. The Council considered the amendment proposed to the *Manual on the GTS* (WMO-No. 386), Volume II, The Antarctic by the working group and adopted them by **Resolution 12 (EC-LI)**.

WMO/ICSU/IOC JOINT SCIENTIFIC COMMITTEE (JSC) FOR THE WORLD CLIMATE RESEARCH PROGRAMME

5.13 The Executive Council noted the report of the WMO/ICSU/IOC JSC for the WCRP and expressed satisfaction at the continuing progress being made in the implementation of the programme. The Council was particularly pleased to hear of the successful international CLIVAR Conference in Paris, France, on 1-4 December 1998. The Conference had demonstrated the willingness of many nations to participate in, and contribute to, global-scale research into the prediction of climate variability and change. Many other nations wished to participate in supporting regional activities and looked forward to the improved predictions of climate variability in prospect. The Council urged JSC to ensure that benefits from CLIVAR research were passed to all countries and to discuss with CLIPS to see that the appropriate means for disseminating and improving applications of climate predictions were put in place.

5.14 The Council welcomed the establishment by JSC of the WCRP CLIC initiative aimed at conducting broad research into cryospheric components of the cli-

mate system and their interaction with the atmosphere, ocean and land surface. The Council was also interested in the CEOP being planned within GEWEX in the time period 2001 to 2002. The overall objective of CEOP was to study the influence of continental heat and moisture sources and sinks on the global climate system and its anomalies. In collaboration with other WCRP projects (in particular CLIVAR), that would give a comprehensive perspective on a range of global climate features (e.g. monsoonal circulations) and their dependence on important local atmospheric and hydrological processes.

WMO/IOC/UNEP/ICSU STEERING COMMITTEE FOR THE GLOBAL CLIMATE OBSERVING SYSTEM

5.15 The Executive Council noted the report on the eighth session of the WMO/IOC/UNEP/ICSU Steering Committee for GCOS, held in Geneva from 9 to 12 February 1999. It expressed appreciation for the progress made to date in implementing the GCOS IOS and thanked the Members involved for their support. The Council nevertheless reiterated the great concern expressed by Congress that GCOS was now at a critical point in its existence due to the serious lack of resources for furthering its implementation. It strongly urged Members to continue to strengthen support for GCOS through maintaining and enhancing those components of their observational systems which had been identified as part of the IOS.

5.16 The Council strongly endorsed the activities proposed by the Steering Committee, on behalf of the global observing systems for climate, in response to the decisions taken at the Fourth Conference of the Parties (Buenos Aires, November 1998) to the UN/FCCC. It noted the large additional burden placed on the GCOS Secretariat by those proposals and urged each sponsor to review its funding plans for GCOS and to ensure adequate levels of support. It strongly urged Members to consider suitable secondment of qualified staff, and/or contributions to the COSF, to assist in carrying out those activities.

INTER-AGENCY COMMITTEE FOR THE CLIMATE AGENDA

5.17 The Executive Council noted the report of the third meeting of IACCA that was discussed at some length by Thirteenth Congress. It too expressed concern at the potential missed opportunities due to the insufficient level of resources provided by the sponsoring agencies of the Climate Agenda. It requested the Secretary-General as a matter of urgency to confer with the Executive Heads of the major sponsoring agencies of the Climate Agenda with the purpose of re-evaluating the overall mechanism for coordinating the implementation of the Climate Agenda and the options for establishing and supporting a small dedicated secretariat, or alternatively, considering a different form of coordinating mechanism that might prove to be more effective than the current arrangements.

5.18 In addition, the Council noted that IACCA had identified several critical issues that would need to be addressed. Those included consideration of how to

proceed with respect to a third world climate conference and how to bring about better cooperation and coordination amongst the sponsoring agencies of the Climate Agenda with respect to the tapping of new funding opportunities for environmentally-related activities. The Council requested the Secretary-General to ensure that those issues continued to receive appropriate attention.

IAIS ANNUAL REPORT TO THE EXECUTIVE COUNCIL

5.19 The Executive Council noted with satisfaction the first activity report issued by IAIS which, during its first year of activity, had established and institutionalized the internal audit and investigation function within WMO, including its inclusion in the Financial Regulations, the issuance of a charter of internal auditing and an audit manual describing the detailed *modus operandi* of IAIS. It also noted with satisfaction that IAIS had already started the implementation of the audits and reviews contained in the Internal Audit Work Plan approved by the Secretary-General for the period 1998-1999.

5.20 The Council noted the efforts made by IAIS to participate actively in the various formal and informal meetings and other activities of United Nations organizations Audit/Oversight units, in particular those based in Geneva. The Council further noted that the External Auditors and IAIS had developed effective and close working relations.

5.21 The Council suggested that, in future, the Secretary-General attach his comments on the IAIS Annual Report, including an account of follow-up action on matters raised in the report, as appropriate.

5.22 The Council noted with approval the annual Internal Audit Work Plan for the period 1998-1999 as approved by the Secretary-General and invited IAIS to include such relevant Internal Audit Work Plans in its future annual reports.

5.23 Finally, the Council encouraged the Secretary-General to pursue his efforts to mobilize extrabudgetary resources such as the WMO Internal Oversight Trust Fund and the various Junior Professional Officer programmes to allow a wider audit coverage of WMO activities.

6. PROGRAMME AND BUDGET FOR 2000-2001 (agenda item 6)

6.1 The Executive Council adopted [Resolution 13 \(EC-LI\)](#) concerning the budget and contributions for the biennium 2000-2001. The appropriations thus approved amounted to SFR 126 150 000. Out of that amount, SFR 124 400 000 was from contributions to be assessed and the remaining SFR 1 750 000 was from proceeds from relocation of the WMO Headquarters in accordance with the decisions of Thirteenth Congress.

6.2 The Council furthermore approved the list of possible sessions of panels and working groups and of symposia, technical conferences, seminars and workshops as contained in [Annex III to this report](#). The implementation of those events should take place subject to the availability of funds within the approved

budget following the guidelines set by Thirteenth Congress. It also authorized the Secretary-General to approve amendments to that list, as necessary. The Council noted that in Part 3.0, the additional cost estimated for the two sessions of the newly-formed Task Team on WMO Structure and the EC Advisory Group on the Role and Operation of NMHSs had not been foreseen in the budget for the first biennium. It therefore requested the Secretary-General to provide for those requirements within the flexibility granted for implementation of the programmes from under expenditure in other areas, where possible.

6.3 The Council noted the decisions of Thirteenth Congress contained in general summary paragraphs 8.9 and 8.10 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902) regarding the implementation of the programme and budget. The Council noted that with its authorization of the maximum expenditure, Congress had recognized that not all of the high priority programme requirements that Members had requested could be met within the limits of the proposed budget ceiling. It had requested the Secretary-General in consultation with EC to make detailed adjustments to the programme to address the high priority concerns of Congress during the thirteenth financial period in the most effective way within the limits of the approved programme funding level and that the programme activities to be funded with the SFR 3.5 million should be completed within the thirteenth financial period. As a consequence, budgetary transfers might be necessary in accordance with the financial regulations. The Council requested the Secretary-General to provide in his reports the usual information on the performance of the programmes and the budget.

6.4 The Council noted that the budget for the first biennium (2000-2001), in conformity with the maximum expenditure for the thirteenth financial period, was based on salary rates, prices and official United Nations exchange rates prevailing in March 1999.

6.5 With respect to staffing, the Council requested the Secretary-General to adhere to the decisions of Thirteenth Congress contained in general summary paragraph 8.11 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902).

6.6 The Council approved the budget for the Joint WMO/ICSU/IOC Climate Research Fund for the biennium 2000-2001, as reproduced in [Annex IV to this report](#). It noted that ICSU and IOC were expected to contribute (SFR 1 672 000) (the equivalent of US\$ 1 100 000) to the fund as shown in the annex. It accordingly authorized the payment of an equal sum by WMO. In addition, the Council decided that a further unilateral contribution would be made to the joint fund on behalf of WMO, in accordance with WMO/ICSU/IOC agreement, to bring the total WMO contribution authorized to SFR 4 168 800 for the biennium 2000-2001.

6.7 The Council made provisions for sessions in 2000 and 2001 of the following technical commissions and regional associations:

2000

Regional Association II (twelfth session)
 Commission for Basic Systems (twelfth session)
 Commission for Hydrology (eleventh session)

2001

Regional Association III (thirteenth session)
 Regional Association IV (thirteenth session)
 Commission for Climatology (thirteenth session)
 Joint WMO/IOC Technical Commission for Oceanography
 and Marine Meteorology (JCOMM) (First session)

7. GENERAL AND ADMINISTRATIVE MATTERS (agenda item 7)

7.1 FORTY-FOURTH IMO PRIZE (agenda item 7.1)

7.1.1 The Executive Council awarded the forty-fourth IMO Prize to Professor J. C. I. Dooge.

7.1.2 Mr A. Diouri was appointed to the Selection Committee to replace Mr M. S. Mhita. The Committee now consisted of Messrs J. Zielinski (chairperson), A. Diouri, R. R. Kelkar and Lim Joo Tick.

7.2 OTHER AWARDS (agenda item 7.2)

PROFESSOR DR VILHO VAISALA AWARD

7.2.1 The EC Selection Committee for the Professor Dr Vilho Vaisala Award, comprised of Messrs E. A. Mukolwe (replacing Mr F. Oyou), G. A. McBean and S. K. Srivastava, president of CIMO, recommended that Messrs B. E. Goodison (Canada), P. Y. T. Louie (Canada) and D. Yang (China) should receive the fourteenth Professor Dr Vilho Vaisala Award for the paper entitled "WMO solid precipitation measurement intercomparison: final report", published as WMO Instruments and Observing Methods Report No. 67 (WMO/TD-No. 872), 1998. The proposal of the Selection Committee was approved by the Council.

NORBERT GERBIER-MUMM INTERNATIONAL AWARD

7.2.2 The Executive Council approved the proposal of the Selection Committee for the Norbert Gerbier-MUMM International Award for 2000 and conferred the 2000 award on Messrs J.-C. Calvet, J. Noilhan, J.-L. Roujean, P. Bessemoulin, M. Cabelguenne, A. Oliosio and J.-P. Wigneron (all France) for the paper entitled "An interactive vegetation SVAT model tested against data from six contrasting sites".

WMO RESEARCH AWARD FOR YOUNG SCIENTISTS

7.2.3 Based on the recommendation of its Selection Committee, EC conferred the 1999 WMO Research Award for Young Scientists upon Mr J. A. Aravequia (Brazil) for the paper entitled "The role of moist baroclinic instability in the growth and structure of monsoon depressions", and upon Mr G. Bodeker (New Zealand) for his paper entitled "Trends and variability in vertical ozone and temperature profiles measured at Lauder, New Zealand".

7.2.4 The Council appointed the following four members to serve on its Selection Committee to determine the winner(s) of the 2000 award:

F. Camargo Duque
 F. J. B. Hounton
 L. P. Prahm
 R. Prasad

7.3 ARRANGEMENTS FOR SCIENTIFIC LECTURES FOR EC-LII (agenda item 7.3)

7.3.1 The Executive Council selected three themes for the scientific lectures to be delivered during its fifty-second session. The following themes were chosen:

- (a) Stratospheric ozone and its impact on weather and climate change;
- (b) Biometeorology: looking at the links between weather, climate and health;
- (c) New developments in the seasonal climate predictions.

7.3.2 The Secretary-General was requested to select two themes and to make the necessary arrangements for two lectures to be prepared for the fifty-second session of EC.

7.3.3 The Council also expressed the view that the themes "Energy towers in desert regions for large-scale utilization of environmental energy" and "Weather modification: its potential legal, social and environmental impacts" could be considered for a future session of the Council.

7.4 WORLD METEOROLOGICAL DAY, THEME FOR 2001 (agenda item 7.4)

THE THEME FOR WORLD METEOROLOGICAL DAY 2001

7.4.1 The Executive Council decided that the theme for WMD in 2001 would be "Volunteers for weather, climate and water".

PREPARATIONS FOR THE FIFTIETH ANNIVERSARY OF WMO (WMO50) IN 2000

7.4.2 Further to the discussions held during its forty-ninth and fiftieth sessions, EC considered a communication strategy for WMO50 including planned activities for the celebration in the year 2000.

7.4.3 Following its consideration of the proposed strategy, the Council endorsed the actions being taken by the Secretary-General to celebrate the fiftieth anniversary of WMO.

7.5 STAFF MATTERS (agenda item 7.5)

AMENDMENTS TO STAFF RULES

7.5.1 The Executive Council noted the amendments to the Staff Rules, applicable to Secretariat staff and to technical assistance project personnel made by the Secretary-General since its fiftieth session.

CONDITIONS OF SERVICE OF TEMPORARY STAFF

7.5.2 The Executive Council noted the Secretary-General's report on actions taken to improve the conditions of service of temporary staff, as agreed by its fiftieth session.

7.5.3 The Council noted that the Secretary-General had approved the recommendation of the Secretariat's Task Force for the Review of Human Resources

Procedures that temporary employees who carried out functions of an ongoing nature for five years or more, but for which Congress and the Executive Council had allocated only time-limited funding, be considered for a one-year fixed-term contract, specifying that there would be no prospect of becoming permanent.

7.5.4 The Council approved the inclusion of that provision in the appropriate chapter of the Staff Rules.

ANNUAL REPORT OF THE INTERNATIONAL CIVIL SERVICE COMMISSION

7.5.5 The Executive Council took note of the twenty-fourth annual report of the International Civil Service Commission, submitted in accordance with Article 17 of the Commission's Statute.

STRATEGIC VISION OF THE HUMAN RESOURCE MANAGEMENT ISSUES

7.5.6 The Executive Council noted that the Secretary-General had prepared a document on the strategic vision of the human resource management issues for the next coming years.

7.5.7 The Council requested that it be informed during its next session of progress made with respect to the implementation of the strategic vision of the human resource management issues. It further requested that the Secretary-General carry out and submit to its fifty-second session, a study of the impact of maintaining a vacancy factor on the employment policy of the Secretariat, in particular on the employment of temporary staff for long periods.

7.5.8 While considering that a more flexible workforce was needed in the future, the Council cautioned that that requirement should not be met at the cost of providing inferior employment conditions, particularly for long-serving temporary staff.

SALARIES OF UNGRADED OFFICIALS

7.5.9 The Executive Council noted the decision of Thirteenth Congress with regard to the salaries of ungraded officials (Secretary-General, Deputy Secretary-General and Assistant Secretary-General).

7.5.10 The Council also noted the decision of Thirteenth Congress to authorize EC to carry out any readjustment of salary which might become necessary if, during the thirteenth financial period, changes in the salary of comparable United Nations staff should occur.

REPORT ON APPOINTMENTS, PROMOTIONS, NOMINATIONS AND TRANSFERS OF STAFF IN THE PROFESSIONAL CATEGORY AND ABOVE

7.5.11 In accordance with Article 21(b) of the Convention, the Executive Council examined and approved the appointments made by the Secretary-General since its fiftieth session, as followed:

| <i>Name and nationality</i> | <i>Title, grade and organizational unit</i> | <i>Effective date</i> |
|------------------------------------|---|-----------------------|
| Mr A. R. THOMAS (United States) | Director (D.2), Global Climate Observing System Secretariat | 3 July 1999 |

| <i>Name and nationality</i> | <i>Title, grade and organizational unit</i> | <i>Effective date</i> |
|--|---|-----------------------|
| Mr C. M. A. CAPONI TROMBI (Venezuela) | Senior Scientific Officer (P.5), HOMS Office, Hydrology and Water Resources Department | 3 January 1999 |
| Mr M. S. J. HARRISON (United Kingdom) | Chief (P.5), CLIPS Project Office, World Climate Programme Department | 1 February 1999 |
| Mr A. V. KARPOV (Russian Federation) | Senior Scientific Officer (P.5), Observing System Division, World Weather Watch Department | 21 February 1999 |
| Mr A. LEPP (Canada) | Chief (P.5), Human Resources Management Division, Resource Management Department | 28 November 1998 |
| Mr P. D. LLANSÓ (United States) | Chief (P.5), World Climate Applications Division, World Climate Programme Department | 1 December 1998 |
| Mr T. M. AL-GHANEM (Italy) | Chief (P.5), Information and Public Affairs Office, Secretary-General's Office | 8 April 1999 |
| Mr M. H. PROFFITT (United States) | Senior Scientific Officer (P.5), Environment Division, Atmospheric Research and Environment Programme Department | 28 February 1999 |
| Mr G. F. BARNAUD (France) | Translator (French language) (P.4), Languages Division, Languages, Publications and Conferences Department | 1 September 1998 |
| Mr M. Y. M. YOUNES (Egypt) | Translator (Arabic language) (P.4), Languages Division, Languages, Publications and Conferences Department | 3 May 1999 |
| Mrs N. BRUTSCH (Switzerland) | Personal Assistant to the Secretary-General (P.3), Secretary-General's Office | 4 January 1999 |
| Mr H. K. T. TAIKI (Vanuatu) | Programme Officer (P.2), Subregional Office for the South-West Pacific (Apia, Samoa) | 8 April 1999 |
| Mr A. S. CISSOKO (Côte d'Ivoire) | Senior Scientific Officer (P.5), assigned to UNCCD in Bonn, Germany | 1 January 1999 |
| Ms A. F. GLINNI (Italy) | Junior Professional Officer (P.2), Technical Cooperation Department | 10 January 1999 |
| Mr J. L. KUYLENSTIERNA (Sweden) | Junior Professional Officer (P.2), conjointly Hydrology and Water Resources and World Climate Programme Departments | 20 September 1998 |

7.5.12 The Council noted the nominations and/or promotions made by the Secretary-General since its last session as a result of competition after issuance of vacancy notices, as followed:

| <i>Name and nationality</i> | <i>Title, grade and organizational unit</i> | <i>Effective date</i> |
|-----------------------------------|--|-----------------------|
| Mr N. T. DIALLO (Guinea) | Chief (P.5), Aeronautical Meteorology Unit, World Weather Watch Department | 20 October 1998 |
| Mr M. V. K. SIVAKUMAR (India) | Chief (P.5), Agricultural Meteorology Division, World Climate Programme Department | 1 December 1998 |
| Mr T. W. SUTHERLAND (St Lucia) | Executive Assistant to the Secretary-General (P.5), Secretary-General's Office | 8 February 1999 |

7.5.13 The Council further noted the following promotion resulting from classification of posts made by the Secretary-General since its last session:

| <i>Name and nationality</i> | <i>Title, grade and organizational unit</i> | <i>Effective date</i> |
|-----------------------------|--|-----------------------|
| Mr M. HUSAIN (Pakistan) | Director, Resource Management Department, promoted from D.1 to D.2 | 1 August 1998 |

7.5.14 The Council also noted the following transfer initiated by the Secretary-General since its last session:

| <i>Name and nationality</i> | <i>Title, grade and organizational unit</i> | <i>Effective date</i> |
|-----------------------------------|---|-----------------------|
| Mrs M. A. GLAVIN (Switzerland) | Personal Assistant to the Secretary-General (P.3), transferred to the post of Conference Services Officer in the Conferences Unit, Languages, Publications and Conferences Department | 1 November 1998 |

7.6 FINANCIAL MATTERS (agenda item 7.6)

APPOINTMENT OF THE EXTERNAL AUDITOR

7.6.1 The mandate of the President of the Cour des Comptes, France, as External Auditor of WMO would expire on 30 June 2000. The Executive Council was informed that the External Auditor was willing to renew his term of office. The Council considered the terms set out by the External Auditor in his letter dated 5 March 1999 which were the same as prevailed during his previous terms. Considering that the services rendered by him were appreciated by the Council in the past, it was decided to adopt [Resolution 14 \(EC-LI\)](#) extending the

mandate of the present External Auditor for a period of four years from 1 July 2000 to 30 June 2004.

2000-2001 BUDGET FOR SECRETARIAT SUPPORT TO THE TECHNICAL COOPERATION PROGRAMME

7.6.2 The Executive Council recognized that the Technical Cooperation Programme should be a high priority activity of WMO with certain core functions to be funded by the regular budget under Programme 3.7, as decided by Thirteenth Congress, while other activities in support of the Programme would be funded with available resources from the TCF. The Council reviewed the 2000-2001 proposals for the TCF and noted that the estimated resources on the basis of projected delivery from UNDP and trust funds could reach approximately SFR 5.4 million. The Council noted that any shortfall in the reimbursement of support costs would be met by corresponding reductions in the TCF expenditure during the 2000-2001 biennium.

7.6.3 The Council adopted [Resolution 15 \(EC-LI\)](#).

INTERIM FINANCIAL REPORT OF THE SECRETARY-GENERAL

7.6.4 The Executive Council noted the information that the Secretary-General had submitted in his interim financial report at Thirteenth Congress regarding the financial situation for the twelfth financial period.

REPORT OF THE FINANCIAL ADVISORY COMMITTEE

7.6.5 The Executive Council considered the report of the Financial Advisory Committee. It noted the recommendation of the Committee contained in [Annex V to this report](#). The Council took account of the recommendation in making its decision under the related agenda item.

8. DATE AND PLACE OF THE FIFTY-SECOND AND FIFTY-THIRD SESSIONS OF THE EXECUTIVE COUNCIL (agenda item 8)

The Executive Council agreed that its fifty-second session would be held at the WMO Headquarters in Geneva from 16 to 26 May 2000. The fifty-third session of the Council would be held at the WMO Headquarters from 15 to 25 May 2001, subject to any change which might be decided by the Council.

9. CLOSURE OF THE SESSION (agenda item 9)

The fifty-first session of the Executive Council closed at 12:25 p.m. on 29 May 1999.

RESOLUTIONS ADOPTED BY THE SESSION

RESOLUTION 1 (EC-LI)

EC ADVISORY GROUP OF EXPERTS ON TECHNICAL COOPERATION

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Resolution 2 (EC-XLVIII) — EC Advisory Group of Experts on Technical Cooperation,
- (2) Resolution 18 (Cg-XIII) — The WMO Voluntary Cooperation Programme,
- (3) General summary paragraph 3.7.2.6 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902),

CONSIDERING the need for a continued mechanism to review on a regular basis issues related to technical cooperation activities, including those functions formerly entrusted to the EC Panel of Experts on the WMO Voluntary Cooperation Programme,

RE-ESTABLISHES the Executive Council Advisory Group of Experts on Technical Cooperation to serve as an advisory body on technical cooperation matters, including VCP. The terms of reference of the Group will be as follows:

- (a) To advise on policy regarding all technical cooperation matters, including VCP, the level of funding and implementation of technical cooperation, mobilization of resources, and the overall structure and execution of the Programme;
- (b) To advise on setting of priorities in terms of emergency (short-term), consolidated (medium-term) and development (long-term) requirements, based on available information concerning requirements with respect to technical cooperation activities;
- (c) To advise on new and existing opportunities for activities in technical cooperation, including new approaches and new sources of external funding;
- (d) To advise on current trends regarding priorities of external funding sources, potential funding organizations and methods of access to funding;
- (e) To advise on the performance of technical cooperation activities in support of other WMO Programmes;
- (f) With reference to the VCP, in particular:
 - (i) To advise on further enhancement of the management and efficiency of VCP; and

- (ii) To identify and advise on requirements that could be met with VCP support, including the VCP(F);

- (g) To promote technical cooperation activities;
- (h) To advise on, and subsequently review, the criteria used in assessing the technical cooperation activities of the subregional offices.

DECIDES that the EC Advisory Group of Experts on Technical Cooperation shall be composed of:

R. A. Sonzini (chairperson), third vice-president
K. Konaré
A. M. Noorian
R. Prasad
T. Sutherland
Wen Kegang
J. Zielinski

In addition, experts designated by the following countries: Australia, Canada, France, Germany, Japan, Morocco, Spain, United Kingdom and the United States will also be invited to attend sessions of the group at their own expense;

DECIDES that the EC Advisory Group of Experts on Technical Cooperation:

- (a) May invite representatives of other Members to attend its meetings at their own expense;
- (b) May seek advice from, or invite to its meetings, experts from professional bodies or external funding sources, as necessary;
- (c) Should follow the traditional procedures of such WMO bodies, seeking to formulate its proposals through a consensus of views;
- (d) Should meet at least twice during the thirteenth financial period in conjunction with sessions of the Executive Council;
- (e) Should report regularly to the Council;

REQUESTS the Secretary-General to provide the EC Advisory Group of Experts on Technical Cooperation with the necessary assistance.

NOTE: This resolution replaces Resolution 2 (EC-XLVII), which is no longer in force.

RESOLUTION 2 (EC-LI)

EC WORKING GROUP ON LONG-TERM PLANNING

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Resolution 23 (Cg-XIII) — Fifth WMO Long-term Plan,
- (2) Resolution 24 (Cg-XIII) — Preparation of the Sixth WMO Long-term Plan,
- (3) General summary paragraph 3.5.0.13 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902),

DECIDES:

- (1) To establish a Working Group on Long-term Planning with the following terms of reference:
 - (a) To review the process and coverage of the monitoring, evaluation and assessment (including cost-effectiveness) of the results achieved in the implementation of earlier WMO Long-term Plans;
 - (b) To further refine the WMO planning process in the light of experience gained in the preparation, monitoring and implementation of the earlier Long-term Plans, the guidance provided by Thirteenth Congress and developments relating to the major issues facing WMO;
 - (c) To guide and coordinate a review of the WMO programme and organizational structure;
 - (d) To prepare a report for the consideration by the fifty-second session of the Executive Council, which will include proposals and recommendations on:
 - (i) The overall vision, policies, strategy and priorities of the Organization for the planning period;
 - (ii) The general approach, structure, format, content, and period of coverage of the Sixth WMO Long-term Plan;
 - (iii) The programme structure of WMO for use in the Sixth WMO Long-term Plan and the Secretary-General's programme and budget proposals for the fourteenth financial period;

- (iv) The revised guidelines for monitoring and evaluating WMO Long-term Plans, and for preparing the Sixth WMO Long-term Plan;
- (e) To guide generally the work of the technical commissions, Regions and Secretariat in preparation of the Sixth WMO Long-term Plan on behalf of the Executive Council;
- (f) To assist the Executive Council during its fifty-fourth session:
 - (i) To evaluate progress towards achievement of the main long-term objectives and the established targets of WMO Programmes as given in the WMO Long-term Plans;
 - (ii) To review the draft of the Sixth WMO Long-term Plan for submission to Fourteenth Congress;

- (2) That the following should serve as members of the working group:

J.-P. Beysson*

A. Diouri

Ms I Dutra Maisonave

P. Ewins*

R. R. Kelkar*

Lim Joo Tick*

E. A. Mukolwe*

Y. Takigawa

N. I. Tawfiq

J. Zielinski

*(also members of the Task Team on WMO Structure. See general summary paragraph 3.6)

DESIGNATES Mr P. Ewins as chairperson of the working group;

REQUESTS the Secretary-General to take the relevant actions to support the activities of this working group.

NOTE: This resolution replaces Resolution 1 (EC-XLVII), which is no longer in force.

RESOLUTION 3 (EC-LI)

EC ADVISORY GROUP ON THE ROLE AND OPERATION OF NATIONAL METEOROLOGICAL AND HYDROLOGICAL SERVICES

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Resolution 26 (Cg-XIII) — Role and operation of national Meteorological Services,
- (2) The Geneva Declaration of the Thirteenth World Meteorological Congress,
- (3) The relevant decisions of Congress as contained in the pertinent paragraphs in the general summary of the *Abridged Final Report with Resolutions of the*

Thirteenth World Meteorological Congress (WMO-No. 902), particularly general summary paragraphs 6.3.6, 6.4.7 to 6.4.9, 7.1.38 to 7.1.39, and 7.2.1 to 7.2.32,

DECIDES:

- (1) To establish an Advisory Group on the Role and Operation of National Meteorological and Hydrological Services with the following terms of reference:

- (a) To keep the subject of the role and operation of national Meteorological Services under review;
 - (b) To facilitate cooperation activities with all related data and service providers;
 - (c) To suggest ways of enhancing cooperation with international representatives of the various sectors respecting the principles of the Organization, including Article 26 of the WMO Convention;
 - (d) To address the problem of definitions of relevant commonly used terms;
 - (e) To prepare a report for consideration by the fifty-second and fifty-fourth sessions of the Executive Council;
- (2) To request the Advisory Group, with the assistance of the Commission for Hydrology, to undertake a similar consideration of the topics specified under DECIDES (1)(a) to (d) above with respect to NHSS, including the development of appropriate material on the role and operation of these Services;
 - (3) That the following shall serve as members of the advisory group:

Z. Alpersen
 Z. Batjargal
 A. I. Bedritsky
 F. Camargo Duque
 U. Gärtner
 J. J. Kelly
 G. A. McBean
 M. S. Mhita
 G. C. Schulze
 J. Zielinski
 J. W. Zillman
 Wen Kegang

DESIGNATES Mr J. W. Zillman as chairperson of the advisory group,

REQUESTS the Secretary-General:

- (1) To take the relevant actions to support the activities of the advisory group;
- (2) To take appropriate actions on the related issues and to keep Members and other pertinent international organizations informed on relevant developments associated with the role and operation of NMHSs.

RESOLUTION 4 (EC-LI)

EC ADVISORY GROUP ON THE INTERNATIONAL EXCHANGE OF DATA AND PRODUCTS

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Resolution 40 (Cg-XII) — WMO policy and practice for the exchange of meteorological and related data and products including guidelines on the relationships in commercial meteorological activities,
- (2) Resolution 25 (Cg-XIII) — Exchange of hydrological data and products,
- (3) The relevant decisions of Congress as contained in the pertinent paragraphs in the general summary of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902);

INVITES:

- (1) The president of the Commission for Basic Systems to further assist the Council with respect to the monitoring of the implementation of Resolution 40 (Cg-XII) and to arrange for a relevant survey relating to the changes in the volume of meteorological and related data and products available on the GTS;
- (2) The president of the Commission for Hydrology to assist in providing advice and assistance on technical aspects of the implementation of Resolution 25 (Cg-XIII);
- (3) The president of the Commission for Climatology to progress work further on the application of Resolution 40 (Cg-XII) to climate data and products;
- (4) The president of the Commission for Aeronautical Meteorology to assist with any specific task that may arise in connection with the international

exchange of aeronautical meteorological data and products;

DECIDES:

- (1) To establish an Advisory Group on the International Exchange of Data and Products to assist the Council on this topic, in particular, to:
 - (a) Study further the possibility of putting the principle of free and unrestricted exchange of meteorological and related data and products on a firmer legal basis such as by incorporating it in the WMO Convention;
 - (b) Ensure that Members and the WMO constituent bodies are regularly advised on relevant developments and issues, as well as their implications;
 - (c) Ensure the provision of consolidated advice and clarification related to the implementation of Resolutions 40 (Cg-XII) and 25 (Cg-XIII);
 - (d) Serve as a mechanism to address concerns as well as differences of views and interpretations that may arise and provide advice;
 - (e) Monitor the implementation of Resolutions 40 (Cg-XII) and 25 (Cg-XIII) as well as the associated data availability;
 - (f) Cover new relevant areas that may arise such as those relating to the exchange of hydrological, climatological and aeronautical meteorological data and products;
 - (g) To prepare a report to the fifty-third session of the Executive Council and to Fourteenth

- Congress, on behalf of the Executive Council,
as appropriate;
- (2) That the following should serve as members of the advisory group:
- Z. Batjargal
 - A. I Bedritsky
 - J.-P. Beysson
 - F. Camargo Duque
 - P. Ewins
 - J. J. Kelly
 - M. S. Mhita
 - R. Prasad
 - Y. Salahu
 - R. A. Sonzini

- President of CBS
President of CHy
- DESIGNATES Mr J.-P. Beysson as chairperson of the advisory group;
- REQUESTS the Secretary-General to:
- (1) Take the relevant actions to support the activities of the advisory group;
 - (2) Take appropriate actions on the related issues and to keep Members and other pertinent international organizations informed on relevant developments associated with the international exchange of data and products.

NOTE: This resolution replaces Resolution 3 (EC-XLVII), which is no longer in force.

RESOLUTION 5 (EC-LI)

RULES AND PROCEDURES FOR THE OPERATION OF THE WMO DISASTER ASSISTANCE FUND FOR METEOROLOGICAL AND HYDROLOGICAL SERVICES

THE EXECUTIVE COUNCIL,

CONSIDERING:

- (1) That the occurrence of a disaster may severely impair the ability of a national Meteorological and/or Hydrological Service to provide basic observations, warnings and services,
- (2) That many developing countries, when affected by such a disaster, are not able to rehabilitate their Meteorological and/or Hydrological Service to provide for basic services,

NOTING:

- (1) That Eleventh Congress had decided to establish a WMO Emergency Assistance Fund within the WMO Technical Cooperation Programme to assist the Members in maintaining their capacity to meet their urgent needs in times of emergency resulting from a natural disaster,
- (2) That Thirteenth Congress decided to expand the scope of the Fund to cover disasters related to other causes,
- (3) That Thirteenth Congress authorized the Executive Council to amend the rules and procedures for the operation of the Fund established by its forty-third session on the basis that it will be used to meet the very urgent requirements which cannot be met expeditiously from other sources,

CONVINCED:

- (1) Of the urgency and value of early restoration of services in developing countries where the Meteorological and/or Hydrological Service has been disrupted due to a disaster,
- (2) Of the additional value to the regional and global needs of meteorology and hydrology of the prompt restoration of services,

REQUESTS:

- (1) The Secretary-General to continue operating the WMO Disaster Assistance Fund for Meteorological and Hydrological Services (known as the WMO

Emergency Assistance Fund) as a special fund in accordance with Article 9.7 of the Financial Regulations to be administered according to the financial rules and procedures for the operation of the Fund given in the annex to this resolution, with the purpose of assisting Members affected by disasters in the rehabilitation and restoration of observing networks, data collection and processing facilities and in international data exchange in cases where disasters have destroyed or severely disabled the meteorological and/or hydrological infrastructure;

- (2) Members to make voluntary contributions to this special fund;
- (3) The Secretary-General to seek additional funding from various potential donors, especially UNDP, World Bank, UN/OCHA, other international development agencies and the private sector;
- (4) The Secretary-General to respond quickly by allocating, in consultation with the President, resources in cash or in kind from the Fund in response to, and after the assessment of, emergency requests from Members to rehabilitate basic functions of their Meteorological and/or Hydrological Services;
- (5) The Secretary-General to report to the Executive Council at its next session on the status of this Fund and any disbursements made during the preceding year;
- (6) The Secretary-General to assist in arranging emergency assistance on a bilateral basis between Members whenever necessary and feasible in case of a disaster incapacitating the Meteorological and/or Hydrological Service of a Member, and to submit a report to the Executive Council at its next session on such action during the preceding year.

NOTE: This resolution replaces Resolution 4 (EC-XLVIII), which is no longer in force.

ANNEX TO RESOLUTION 5 (EC-LI)

FINANCIAL RULES FOR THE WMO DISASTER ASSISTANCE FUND FOR METEOROLOGICAL AND HYDROLOGICAL SERVICES

1. The Fund would be administered by the Secretary-General as a special fund in accordance with the WMO Financial Regulations except as provided hereunder.
2. Supplementary directives for interpretation of these rules and regulations may be decided by the Executive Council.
3. The unit of currency of the Fund would be the United States dollar.
4. Voluntary contributions may be made in kind or in any currency, the United Nations exchange rate prevailing for the month of receipt would be used to calculate the value of the contribution of convertible currencies in United States dollars.
5. Interest earned on the unused portion of funds deposited would be added to the Fund.
6. Any balance on the Fund at the end of the financial period would be retained in the Fund.
7. The Secretary-General is authorized to adjust the amounts approved for the implementation of projects under this Fund by an amount not exceeding 15 per cent provided he is satisfied that adequate financial resources are available in the Fund.
8. Identifiable costs involved in the management of the Fund should be kept to a minimum and should

be met from the Fund as necessary, but not exceeding 14 per cent of the Fund and the interest credited thereto.

9. Title to equipment purchased from the Fund would pass to recipient countries under the same conditions and in accordance with normal WMO practices.

10. The calculated value and the title of contributions in kind, to include equipment, materials, services and training, would be consistent with VCP rules and practices.

PROCEDURES FOR THE OPERATION OF THE FUND

1. On receipt of a request from a Member for emergency assistance to its Meteorological and/or Hydrological Service in the aftermath of a disaster, the Secretary-General will take immediate steps for the assessment of the minimum emergency assistance needed to rehabilitate/restore basic services.

2. This assessment could be done through missions, if required.

3. The disbursement of emergency assistance could be in the form of cash, equipment, services or expert missions for restoration of services or installation of equipment.

RESOLUTION 6 (EC-LI)

REPORT OF THE TWELFTH SESSION OF REGIONAL ASSOCIATION I (AFRICA)

THE EXECUTIVE COUNCIL,
HAVING CONSIDERED the *Abridged Final Report with Resolutions of the Twelfth Session of Regional Association I (Africa)* (WMO-No. 891),

DECIDES:

- (1) To note the report;
- (2) To note Resolutions 1 to 18 (XII-RA I);

REQUESTS the Secretary-General to bring the above decisions to the attention of all concerned.

NOTE: This resolution replaces Resolution 7 (EC-XLVII), which is no longer in force.

RESOLUTION 7 (EC-LI)

REPORT OF THE TWELFTH SESSION OF REGIONAL ASSOCIATION V (SOUTH-WEST PACIFIC)

THE EXECUTIVE COUNCIL,
HAVING CONSIDERED the *Abridged Final Report with Resolutions of the Twelfth Session of Regional Association V (South-West Pacific)* (WMO-No. 890),

DECIDES:

- (1) To note the report;
- (2) To note Resolutions 1 to 16 (XII-RA V);

REQUESTS the Secretary-General to bring the above decisions to the attention of all concerned.

NOTE: This resolution replaces Resolution 2 (EC-XLVI), which is no longer in force.

RESOLUTION 8 (EC-LI)

REPORT OF THE EXTRAORDINARY SESSION (1998) OF THE COMMISSION FOR BASIC SYSTEMS

THE EXECUTIVE COUNCIL,

HAVING CONSIDERED the *Abridged Final Report with Resolutions and Recommendations of the Extraordinary Session (1998) of the Commission for Basic Systems* (WMO-No. 893),

DECIDES:

- (1) To note the report;
- (2) To note Resolutions 1, 2, 3, 4 and 5 (CBS-Ext.(98));
- (3) To note that Resolution 10 (CBS-97) establishing the Steering Group on Radio-Frequency Coordination (SG-RFC) was kept in force;
- (4) To take action on each of the recommendations as follows:

Recommendation 1 (CBS-Ext.(98)) — Amendments to the *Manual on the Global Observing System* (WMO-No. 544), Volume I, Part III

- (a) Approves this recommendation to take effect from 1 July 1999;
- (b) Requests the Secretary-General to incorporate the amendments in the *Manual on the GOS*;
- (c) Authorizes the Secretary-General, in consultation with the president of CBS, to make any consequent purely editorial amendments to the *Manual on the GOS*;

Recommendation 2 (CBS-Ext.(98)) — Amendments to the *Manual on the Global Telecommunication System* (WMO-No. 386), Volume I, Global Aspects, Parts I, II and III

- (a) Approves this recommendation to take effect from 1 November 1999;
- (b) Requests the Secretary-General to incorporate the amendments in the *Manual on the GTS*;
- (c) Authorizes the Secretary-General, in consultation with the president of CBS, to make any consequent purely editorial amendments to the *Manual on the GTS*;

Recommendation 3 (CBS-Ext.(98)) — Amendments to the *Manual on the Global Data-processing System* (WMO-No. 485)

- (a) Approves this recommendation to take effect from 1 July 1999;
- (b) Requests the Secretary-General to incorporate the amendments in the *Manual on the GDPS*;
- (c) Authorizes the Secretary-General, in consultation with the president of CBS, to make any consequent purely editorial amendments to the *Manual on the GDPS*;

Recommendation 4 (CBS-Ext.(98)) — WMO/CTBTO cooperation in areas related to meteorological measurements and transport modelling

- (a) Approves this recommendation;
- (b) Requests the Secretary-General to invite the CTBTO to cooperate with WMO and take appropriate joint measures and give support to the related work, within the resources available, to assure mutual success in the implementation of this recommendation;

Recommendation 5 (CBS-Ext.(98)) — Amendments to the *Manual on Codes* (WMO-No. 306), Volume I.2, Part C, Common Features of FM 95-XI Ext. CREX

Recommendation 6 (CBS-Ext.(98)) — Amendments to the *Manual on Codes* (WMO-No. 306), Volume I.1, Alphanumeric Codes and Volume I.2, Binary Codes and Common Features

- (a) Approves these recommendations to take effect from 3 May 2000;
- (b) Requests the Secretary-General to incorporate the amendments and new codes in Volumes I.1 and I.2 of the *Manual on Codes*;

Recommendation 7 (CBS-Ext.(98)) — Review of resolutions of the Executive Council based on previous recommendations of the Commission for Basic Systems or related to the World Weather Watch

AGREES that Resolution 4 (EC-XLIX) need not be kept in force.

RESOLUTION 9 (EC-LI)

REPORT OF THE ELEVENTH SESSION OF THE COMMISSION FOR AERONAUTICAL METEOROLOGY

THE EXECUTIVE COUNCIL,

NOTING the *Abridged Final Report with Resolutions and Recommendations of the Eleventh Session of the Commission for Aeronautical Meteorology* (WMO-No. 899),

DECIDES:

- (1) To note Resolutions 1 to 5 (CAeM-XI);

- (2) To take action on the recommendations of CAeM-XI as follows:

Recommendation 1 (CAeM-XI) — Definition of visibility for aeronautical purposes

- (a) Approves the recommendation;
- (b) Requests the Secretary-General to seek the concurrence of ICAO in adopting this

definition with a view to its insertion, as appropriate, in ICAO Annex 3/WMO Technical Regulation [C.3.1];

Recommendation 2 (CAeM-XI) — Review of the resolutions of the Executive Council based on previous recommendations of the Commission for Aeronautical Meteorology

APPROVES the recommendation that Resolutions 6 (EC-XLVII) and 9 (EC-L) no longer be kept in force;

APPROVES the new text for the first row of Tabular Form, Model D, Attachment to Technical Regulation [C.3.2], Aeronautical climatology, aerodrome climatological summary, as adopted by the Commission, to make this text consistent with the information contained in the remaining part of Model D;

REQUESTS the Secretary-General to introduce the necessary changes to Technical Regulations [C.3.1] and [C.3.2], *Technical Regulations* (WMO-No. 49), Volume II.

RESOLUTION 10 (EC-LI)

EC WORKING GROUP ON ANTARCTIC METEOROLOGY

THE EXECUTIVE COUNCIL,

NOTING:

(1) Resolution 9 (EC-XLVI) — Executive Council Working Group on Antarctic Meteorology,

(2) Resolution 6 (Cg-XII) — WMO Antarctic activities, CONSIDERING that there is a need for meteorological and other environmental data from the Antarctic for the full implementation of the World Weather Watch and monitoring of climate change and of the ozone layer over the Antarctic,

DECIDES:

- (1) To maintain the EC Working Group on Antarctic Meteorology with the following terms of reference:
 - (a) To promote the execution of the resolutions of Congress and the Executive Council in the area from 60°S to 90°S;
 - (b) To provide guidance in the development of the relevant parts of the WMO Long-term Plan;
 - (c) To coordinate programmes of surface and upper-air meteorological observations in the Antarctic;
 - (d) To develop the most appropriate schemes for the collection and dissemination of meteorological data for operational purposes;
 - (e) To stimulate the development and regular updating of national databases of non-real-time meteorological data for the Antarctic;
 - (f) To develop and recommend regional coding practices which are to be applied in the Antarctic;
 - (g) To study problems relating to instruments and methods of observation peculiar to the Antarctic;

(h) To discuss questions and to make recommendations on meteorological research and operations related to the Antarctic;

(i) To maintain active contacts with other groups or bodies, such as SCAR, JSC, COMNAP, IOC, WMO's technical commissions and others with regard to aspects of Antarctic meteorology of particular relevance to their functions;

(j) To provide, as necessary, through its chairperson or other representative, information on meteorological activities in the Antarctic to the Antarctic Treaty Consultative Meeting, including its Committee for Environmental Protection;

(k) To support, as necessary, the international programmes related to climate change studies and prediction such as WCRP, GCOS and GOOS;

(2) That the working group make recommendations, as necessary, to the Executive Council within its terms of reference;

(3) That the working group will be composed of members nominated by the Permanent Representatives of Members which are Parties to the Antarctic Treaty and of Members which have not yet acceded to the Treaty but which have active meteorological programmes in the Antarctic;

REQUESTS the Secretary-General:

(1) To arrange for necessary sessions of the working group and to provide the necessary Secretariat support;

(2) To arrange that the relevant recommendations of the working group be transmitted to Members which are Parties to the Antarctic Treaty for comment prior to the consideration by the Executive Council.

RESOLUTION 11 (EC-LI)

ANTARCTIC BASIC SYNOPTIC NETWORK

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Resolution 6 (EC-XLIX) — Antarctic basic synoptic network,
- (2) The Fifth WMO Long-term Plan as it relates to the World Weather Watch and to the Antarctic,
- (3) The *Manual on the Global Observing System* (WMO-No. 544), Volume I, Part III, paragraphs 2.1.4 and 2.1.6,

CONSIDERING:

- (1) That the establishment and maintenance of a basic synoptic network of surface and upper-air stations in the Antarctic, adequate to meet the requirements of Members and of the World Weather Watch, constitutes one of the most important obligations of Members under Article 2 of the WMO Convention,
- (2) That the density of the current network of surface and upper-air stations is generally much less than that desirable,
- (3) That global models can identify biases in estimates of station elevation,

DECIDES that the stations and the observational programmes listed in the annex to this resolution constitute the Antarctic basic synoptic network;

URGES Members:

- (1) To spare no effort in their endeavours to secure full implementation of the network of stations and observational programmes set forth in the annex to this resolution;
- (2) To seek to establish additional radiosonde stations in western Antarctica and the southern Antarctic Peninsula;
- (3) To consider the possibility of cooperating with other Members in sharing the costs of re-opening and operating previously functioning stations;
- (4) To comply fully with the standard times of observation, the coding procedures and the data-collection standards, as laid down in the *Technical Regulations* (WMO-No. 49) and in the *Manuals on the GOS* (WMO-No. 544), *on Codes* (WMO-No. 306), *on the GTS* (WMO-No. 386) and *on the GDPS* (WMO-No. 485);
- (5) To re-measure station elevations using modern surveying techniques and to communicate the results of these measurements to the WMO Secretariat;
- (6) To ensure that as far as possible CLIMAT and/or CLIMAT TEMP reports are prepared and made available for international exchange;

REQUESTS the Secretary-General to bring any changes to the Antarctic basic synoptic network to the attention of WMO Members.

ANNEX TO RESOLUTION 11 (EC-LI)

STATIONS AND OBSERVATIONAL PROGRAMMES COMPRISING THE ANTARCTIC BASIC SYNOPTIC NETWORK

| <i>Index No.</i> | <i>Station name</i> | <i>Observing programme</i> |
|---------------------------------------|---------------------------------------|----------------------------|
| STATIONS OPERATED BY ARGENTINA | | |
| 88963 | BASE ESPERANZA | S |
| 88968 | BASE ORCADAS | S |
| 89034 | BASE BELGRANO II | S |
| 89053 | BASE JUBANY | S |
| 89055 | BASE MARAMBIO (CENTRO MET. ANTARTICO) | S |
| 89055 | BASE MARAMBIO (CENTRO MET. ANTARTICO) | W R |
| 89066 | BASE SAN MARTIN | S |
| STATIONS OPERATED BY AUSTRALIA | | |
| 89564 | MAWSON | S |
| 89564 | MAWSON | W R |
| 89568 | LAMBERT GLACIER BASIN, LGB 35 AWS | S |
| 89571 | DAVIS | S |
| 89571 | DAVIS | W R |
| 89611 | CASEY | S |
| 89611 | CASEY | W R |
| 89612 | CASEY AIRSTRIP AWS 2 | S |
| 89757 | MAWSON (LGB 20 AWS) | S |
| 89758 | MAWSON (LGB 10 AWS) | S |
| 89762 | MAWSON (LGB 00 GE 03 AWS) | S |

| | | |
|--|--|-----|
| 89767 | AMERY ICE SHELF AWS | S |
| 89774 | DAVIS (LGB 59 AWS) | S |
| 89803 | WILKES LAND, GF 08 AWS | S |
| 89805 | WILKES LAND, GC 46 AWS | S |
| 89812 | AO28 AWS, SOUTH OF LAW DOME | S |
| 89813 | WILKES LAND, GC 41 AWS | S |
| 89816 | LAW DOME SUMMIT SOUTH AWS | W |
| STATIONS OPERATED BY CHILE | | |
| 89056 | CENTRO MET. ANTARTICO "PDTE. EDUARDO FREI" | S |
| 89057 | BASE ARTURO PRAT | S |
| 89059 | BASE BERNARDO O'HIGGINS | S |
| STATIONS OPERATED BY CHINA | | |
| 89058 | GREAT WALL | S |
| 89573 | ZHONGSHAN | S |
| STATIONS OPERATED BY FINLAND | | |
| 89014 | NORDENSKIOLD BASE | S |
| STATIONS OPERATED BY FRANCE | | |
| 89642 | DUMONT D'URVILLE | S |
| 89642 | DUMONT D'URVILLE | W R |
| STATIONS OPERATED BY GERMANY | | |
| 89002 | NEUMAYER | S |
| 89002 | NEUMAYER | W R |
| STATIONS OPERATED BY INDIA | | |
| 89514 | MAITRI | S |
| STATIONS OPERATED BY ITALY | | |
| 89662 | BASE BAIA TERRA NOVA | S |
| 89662 | BASE BAIA TERRA NOVA | W R |
| STATIONS OPERATED BY JAPAN | | |
| 89532 | SYOWA | S |
| 89532 | SYOWA | W R |
| STATIONS OPERATED BY THE REPUBLIC OF KOREA | | |
| 89251 | KING SEJONG | S |
| STATIONS OPERATED BY THE RUSSIAN FEDERATION | | |
| 89050 | BELLINGSHAUSEN AWS | S |
| 89512 | NOVOLAZAREVSKAJA | S |
| 89512 | NOVOLAZGREVSKAJA | W R |
| 89542 | MOLODEZNAJA | S |
| 89592 | MIRNYJ | S |
| 89592 | MIRNYJ | W R |
| 89606 | VOSTOK | S |
| STATIONS OPERATED BY SOUTH AFRICA | | |
| 89004 | S.A.N.A.E. AWS | S |
| STATIONS OPERATED BY SPAIN | | |
| 89064 | JUAN CARLOS I AWS | S |
| STATIONS OPERATED BY THE UKRAINE | | |
| 89063 | VERNADSKY | S |

STATIONS OPERATED BY THE UNITED KINGDOM

| | | |
|-------|---------|-----|
| 89022 | HALLEY | S |
| 89022 | HALLEY | W R |
| 89062 | ROTHERA | S |

STATIONS OPERATED BY THE UNITED STATES

| | | |
|-------|----------------|-----|
| 89009 | AMUNDSEN-SCOTT | S |
| 89009 | AMUNDSEN-SCOTT | W R |
| 89061 | PALMER STATION | S |
| 89664 | MCMURDO | S |
| 89664 | MCMURDO | W R |

STATIONS OPERATED BY THE UNITED STATES (UNIVERSITY OF WISCONSIN)

| | | |
|-------|-------------------------------------|---|
| 89108 | UNIV. WI ID 8985 (HENRY) | S |
| 89208 | UNIV. WI ID 8987 (CLEAN AIR) | S |
| 89257 | UNIV. WI ID 8925 (LIMBERT AWS) | S |
| 89261 | UNIV. WI ID 8947 (RACER ROCK) | S |
| 89262 | UNIV. WI ID 8926 (LARSEN ICE SHELF) | S |
| 89264 | UNIV. WI ID 8920 (URANUS) | S |
| 89266 | UNIV. WI ID 8902 (BUTLER ISLAND) | S |
| 89269 | UNIV. WI ID 8923 (BONAPARTE POINT) | S |
| 89272 | UNIV. WI ID 8917 (SKI-HI) | S |
| 89314 | UNIV. WI ID 21358 (THERESA) | S |
| 89324 | UNIV. WI ID 8903 (BYRD STATION) | S |
| 89327 | UNIV. WI ID 8981 (MOUNT SIPLE) | S |
| 89332 | UNIV. WI ID 21361 (ELIZABETH) | S |
| 89345 | UNIV. WI ID 8900 (SIPLE DOME) | S |
| 89371 | UNIV. WI ID 8983 (SCOTT ISLAND) | S |
| 89376 | UNIV. WI ID 8911 (GILL) | S |
| 89377 | UNIV. WI ID 8908 (LETTAU) | S |
| 89667 | UNIV. WI ID 8927 (PEGASUS NORTH) | S |
| 89744 | UNIV. WI ID 8918 (RELAY STAT) | S |
| 89768 | UNIV. WI ID 21360 (MINNA BLUFF) | S |
| 89769 | UNIV. WI ID 8919 (LINDA) | S |
| 89799 | UNIV. WI ID 8924 (NICO) | S |
| 89828 | UNIV. WI ID 8989 (DOME C II) | S |
| 89832 | UNIV. WI ID 8914 (D-10) | S |
| 89834 | UNIV. WI ID 8916 (D-47) | S |
| 89847 | UNIV. WI ID 8929 (PENGUIN POINT) | S |
| 89864 | UNIV. WI ID 8905 (MANUELA) | S |
| 89865 | UNIV. WI ID 8921 (WHITLOCK) | S |
| 89866 | UNIV. WI ID 8906 (MARBLE POINT) | S |
| 89868 | UNIV. WI ID 8913 (SCHWERDTFEGER) | S |
| 89869 | UNIV. WI ID 8931 (MARILYN) | S |
| 89872 | UNIV. WI ID 8934 (FERRELL) | S |
| 89873 | UNIV. WI ID 8915 (ELAINE) | S |
| 89879 | UNIV. WI ID 8984 (POSSESSION IS.) | S |

STATIONS OPERATED BY URUGUAY

| | | |
|-------|-----------------|---|
| 89054 | DINAMET-URUGUAY | S |
|-------|-----------------|---|

—
S — Surface observations

W — Radiowind observations

R — Radiosonde

RESOLUTION 12 (EC-LI)

**AMENDMENT TO THE MANUAL ON THE GLOBAL TELECOMMUNICATION SYSTEM
(WMO-No. 386), VOLUME II, REGIONAL ASPECTS, THE ANTARCTIC**

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Resolution 6 (Cg-XII) — WMO Antarctic Activities,
- (2) Resolution 7 (EC-XLIX) — Amendments to the *Manual on the Global Telecommunications Systems*, Volume II, Regional aspects, The Antarctic,
- (3) The Fifth WMO Long-term Plan as it relates to the World Weather Watch and to the Antarctic,

DECIDES to adopt the amendment to the *Manual on the Global Telecommunication System*, Volume II, Regional Aspects, The Antarctic, given in the annex to this resolution;

REQUESTS the Secretary-General to make the appropriate amendment as given in the annex to this resolution to the *Manual on the Global Telecommunication System*, Volume II, Regional aspects, The Antarctic.

ANNEX TO RESOLUTION 12 (EC-LI)

**AMENDMENT TO THE MANUAL ON THE GLOBAL TELECOMMUNICATION SYSTEM (WMO-NO. 386),
VOLUME II, REGIONAL ASPECTS, THE ANTARCTIC**

Replace paragraph 3.1 by the following paragraph:

3.1 The responsibility of collecting centres for the collection of observational data from Antarctic stations is as follows:

| <i>Collecting centre</i> | <i>Station index numbers</i> |
|--------------------------|--|
| Davis | 89571, 89573 |
| Frei | 89054, 89056, 89057, 89058, 89059, 89251 |
| Hobart | 89564, 89611 |
| Marambio | 88963, 88968, 89034, 89053, 89055, 89066 |
| McMurdo | 89009, 89664 |
| Moscow (see note) | 89050, 89512, 89542, 89592 |
| New Delhi | 89514 |
| Darmstadt (EUMETSAT) | 89002, 89022, 89064, 89532 |
| Rome | 89662 |
| Rothera | 89061, 89062, 89063, 89065 |
| Toulouse | 89642 |
| Toulouse (ARGOS) | 89004, 89014, 89568, 89586, 89612, 89758, 89762, 89767, 89774, 89803, 89805, 89812, 89813, 89816 |
| Landover (ARGOS) | 89108, 89208, 89257, 89261, 89262, 89264, 89266, 89269, 89272, 89314, 89327, 89332, 89345, 89371, 89376, 89377, 89667, 89674, 89744, 89768, 89769, 89799, 89828, 89832, 89834, 89847, 89864, 89865, 89866, 89868, 89869, 89872, 89873, 89879 |

NOTE: Molodezhnaya is a backup collecting centre.

RESOLUTION 13 (EC-LI)

BUDGET FOR THE BIENNIUM 2000–2001

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Articles 6.5 and 7.7 of the Financial Regulations,
- (2) Resolution 28 (Cg-XIII) — Maximum expenditures for the thirteenth financial period,

- (3) Resolution 32 (Cg-XIII) — Assessment of proportional contributions of Members for the thirteenth financial period,

ADOPTS the budget for the biennium 2000-2001 as given in the annex to this resolution;

DECIDES that the contribution of Members will be assessed as defined in the annex to Resolution 32 (Cg-XIII);

AUTHORIZES the Secretary-General to make transfers between sections within each part of the budget for the biennium, if necessary.

| ANNEX TO RESOLUTION 13 (EC-LI) | | | | | |
|---|------------------|---|------------------------|--|------------------|
| BUDGET FOR THE FIRST BIENNIUM (2000–2001) OF THE THIRTEENTH FINANCIAL PERIOD | | | | | |
| (Thousands of Swiss francs) | | | | | |
| <i>Revenue</i> | | <i>Expenditures</i> | <i>Assessed budget</i> | <i>High priority programmes to be funded within SFR 1.75 million²</i> | <i>Total</i> |
| Assessed contributions ⁽¹⁾ | 124 400.0 | 1. Policy-making organs | 2 232.7 | | 2 232.7 |
| | | 2. Executive management | 6 631.2 | | 6 631.2 |
| | | 3. Scientific and technical programmes | | | |
| Proceeds from relocation of WMO Headquarters building ⁽²⁾ | 1 750.0 | 3.0 Overall coordination of the scientific and technical programmes | 2 063.7 | | 2 063.7 |
| | | 3.1 World Weather Watch Programme | 13 437.6 | 750.0 | 14 187.6 |
| | | 3.2 World Climate Programme | 12 707.1 | 265.0 | 12 972.1 |
| | | 3.3 Atmospheric Research and Environment Programme | 7 090.5 | 153.7 | 7 244.2 |
| | | 3.4 Applications of Meteorology Programme | 7 055.0 | 75.0 ⁽³⁾ | 7 130.0 |
| | | 3.5 Hydrology and Water Resources Programme | 5 807.1 | | 5 807.1 |
| | | 3.6 Education and Training Programme | 7 453.7 | 125.0 | 7 578.7 |
| | | 3.7. Technical Cooperation Programme | 2 872.4 | 100.0 | 2 972.4 |
| | | 3.8 Regional Programme | 7 848.8 | 281.3 | 8 130.1 |
| | | Sub-total Part 3 | 66 335.9 | 1 750.0 | 68 085.9 |
| | | 4. Programme support services and publications | 24 834.1 | | 24 834.1 |
| | | 5. Administration | 21 912.4 | | 21 912.4 |
| | | 6. Other budgetary provisions | 1 048.0 | | 1 048.0 |
| | | 7. Acquisition of capital assets — Headquarters building | 1 405.7 | | 1 405.7 |
| Total | 126 150.0 | Total | 124 400.0 | 1 750.0 | 126 150.0 |

(1) In accordance with Article 8.2 of the Financial Regulations, one half of the appropriations shall be assessed for each of the two years of the biennium.

(2) Refer to general summary paragraph 8.9 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress* (WMO-No. 902).

(3) The amount of SFR 75 000 shown here is for the Public Weather Services Programme.

RESOLUTION 14 (EC-LI)

APPOINTMENT OF THE EXTERNAL AUDITOR

THE EXECUTIVE COUNCIL,
NOTING Article 15 of the Financial Regulations,
NOTING ALSO that the term of office of the External Auditor expires on 30 June 2000,

DECIDES to extend the appointment of the President of the Cour des Comptes of France in his capacity as External Auditor of the World Meteorological Organization for a period of four years until 30 June 2004.

RESOLUTION 15 (EC-LI)

2000-2001 BUDGET FOR THE TECHNICAL COOPERATION PROGRAMME

THE EXECUTIVE COUNCIL,

NOTING:

- (1) That the Technical Cooperation Programme is an integral element of the mandate of WMO,
- (2) That WMO is involved in the implementation, on a regular basis, of technical cooperation projects and programmes funded through UNDP and other sources such as the development banks and trust funds,

NOTING FURTHER:

- (1) The decisions of Thirteenth Congress on the organization and funding of the Technical Cooperation Programme (general summary paragraphs 3.7.2.4 and 3.7.2.5 of the *Abridged Final Report with Resolutions of the Thirteenth World Meteorological Congress*, WMO-No. 902),

- (2) The estimated 2000-2001 revenues from the implementation of projects and programmes funded through the UNDP and Trust Funds arrangements,
- (3) The budgetary and staff requirements for Secretariat support to the Technical Cooperation Programme in 2000-2001,

APPROVES the budget for 2000-2001 as contained in the annex to this resolution;

AUTHORIZES the Secretary-General to adjust actual expenditure during the biennium 2000-2001 to the actual revenues referred in NOTING FURTHER (2) above;

AUTHORIZES FURTHER the Secretary-General to make transfers between the appropriation parts to the budget, as necessary in accordance with the Financial Regulations and guidance of Thirteenth Congress.

ANNEX TO RESOLUTION 15 (EC-LI)

2000-2001 BUDGET FOR THE TECHNICAL COOPERATION PROGRAMME

(Thousands of Swiss francs)

| <i>Revenue</i> | <i>Proposed 2000-2001</i> | <i>EC-XLIX Approved 1998-1999</i> | <i>Expenditure</i> | <i>Proposed 2000-2001</i> | <i>EC-XLIX Approved 1998-1999</i> |
|---|-------------------------------|---|--------------------|-------------------------------|---|
| 1. UNDP | 950.0 ⁽¹⁾ | 1 000.0 | | | |
| 2. Other extrabudgetary resources (trust funds, etc.) | 4 450.0 ⁽²⁾ | 3 500.0 | (see below) | | |
| 3. Regular budget | NIL | 1 500.0 | | | |
| Total | 5 400.0 | 6 000.0 | | 5 400.0 | 6 000.0 |

NOTES

(1) Based on total estimated delivery of SFR 9 500 000 for the biennium.

(2) Based on total estimated delivery of SFR 44 500 000 for the biennium.

EXPENDITURES
(Thousands of Swiss francs)

PART 3.7 - SUPPORT TO THE TECHNICAL COOPERATION PROGRAMME

| | | <i>Proposed 2000-2001</i> | <i>EC-XLIX Approved 1998-1999</i> |
|-------|---|-------------------------------|---|
| 3.701 | Personnel TCO (including procurement) | 3 400.0* | 3 995.0 |
| 3.702 | Personnel ETR (Fellowships) | 300.0 | 328.0 |
| 3.703 | Personnel REM (FIN, HRM, Travel and Registry Units) | 850.0 | 938.0 |
| 3.704 | Seconded experts, consultants and temporary Staff | 150.0 | 79.0 |
| | | <hr/> | <hr/> |
| | Total Part 3.7 | 4 700.0 | 5 340.0 |
| | | <hr/> | <hr/> |

PART 5 OPERATION COSTS

| | | | |
|-------|--------------------------------|-------|-------|
| 5.030 | Stationery and office supplies | 30.0 | 70.0 |
| 5.040 | Office equipment and machines | 20.0 | 30.0 |
| 5.050 | Communications | 70.0 | 30.0 |
| 5.060 | Premises | - | - |
| 5.070 | Computer support | 40.0 | 30.0 |
| 5.080 | Travel | 440.0 | 400.0 |
| | | <hr/> | <hr/> |
| | Total Part 5 | 600.0 | 560.0 |
| | | <hr/> | <hr/> |

PART 6 OTHER BUDGETARY PROVISIONS

| | | | |
|-------|---|---------|---------|
| 6.040 | Insurance, audit, contingencies and unforeseen expenditures | 100.0 | 100.0 |
| | | <hr/> | <hr/> |
| | Total Part 6 | 100.0 | 100.0 |
| | | <hr/> | <hr/> |
| | GRAND TOTAL | 5 400.0 | 6 000.0 |
| | | <hr/> | <hr/> |

* In addition three posts of core staff and other supporting costs are budgeted in the regular budget under Programme 3.7.

ANNEXES

ANNEX I

Annex to [paragraph 2.7](#) of the general summary

MEMBERSHIP OF PANELS AND OTHER BODIES REPORTING TO THE EXECUTIVE COUNCIL

EC PANELS OF EXPERTS

EC Panel of Experts on Education and Training

| | |
|------------------|----------------------|
| J. W. Zillman | - President of WMO |
| (Chairperson) | |
| A. Van der Beken | - Belgium |
| Sun Z. | - China |
| H. Abu-Taleb | - Egypt |
| J.-P. Chalon | - France |
| R. R. Kelkar | - India |
| M. Diarra | - Niger |
| S. Khodkin | - Russian Federation |
| C. Garcia-Legaz | - Spain |
| R. Riddaway | - United Kingdom |
| T. Spangler | - United States |
| R. A. Quintana | - Venezuela |
| Gómez | |

EC Panel of Experts/CAS Working Group on Environmental Pollution and Atmospheric Chemistry

| | |
|-------------------|----------------------|
| O. Hov | - Norway |
| (Chairperson) | |
| J. Gras | - Australia |
| R. M. Hoff | - Canada |
| Ding Guoan | - China |
| D. Ehhalt | - Germany |
| C. Zerefos | - Greece |
| H. Yoshikawa | - Japan |
| W. Kimani | - Kenya |
| A. G. Riaboshapko | - Russian Federation |
| S. Penkett | - United Kingdom |
| J. Gille | - United States |
| B. Hicks | - United States |

EC Panel of Experts/CAS Working Group on Physics and Chemistry of Clouds and Weather Modification Research

| | |
|---------------|--|
| J.-P. Chalon | - France |
| (Chairperson) | |
| B. Ryan | - Australia |
| D. Moeller | - Germany |
| Z. Levin | - Israel |
| A. Karev | - Former Yugoslav Republic of Macedonia |

| | |
|---------------|----------------------|
| V. Stasenko | - Russian Federation |
| S. Al Mahlafi | - Saudi Arabia |
| D. Terblanche | - South Africa |
| P. Jonas | - United Kingdom |
| B. Foote | - United States |

EC WORKING GROUPS AND ADVISORY GROUPS

EC Working Group on Antarctic Meteorology

The working group is composed of members nominated by the Permanent Representatives of countries which are Parties to the Antarctic Treaty and experts designated by Permanent Representatives of Members who have not yet acceded to the Treaty but have active meteorological programmes in the Antarctic. The present membership is as follows:

| | |
|-------------------|----------------------|
| H. Hutchinson | - Australia |
| (Chairperson) | |
| M. Romain | - Argentina |
| A. W. Setzer | - Brazil |
| J. Carrasco | - Chile |
| Ma Henian | - China |
| Ju Damski | - Finland |
| J.-L. Ravard | - France |
| W. Seifert | - Germany |
| R. R. Kelkar | - India |
| R. Sorani | - Italy |
| T. Hiraki | - Japan |
| H. Kelder | - Netherlands |
| S. Nichol | - New Zealand |
| (to be nominated) | - Norway |
| C. del Carmen | - Peru |
| M. Mietus | - Poland |
| S. S. Khodkin | - Russian Federation |
| G. J. R. Goetzee | - South Africa |
| E. Cuevas | - Spain |
| N. Tokar | - Ukraine |
| J. D. Shanklin | - United Kingdom |
| H. Lobato | - Uruguay |
| B. Lettau | - United States |

EC Working Group on Long-term Planning

| | |
|----------------|---------------|
| P. Ewins* | (Chairperson) |
| J.-P. Beysson* | |
| A. Diouri | |

I. Dutra Maisonave (Ms)
 R. R. Kelkar*
 Lim Joo Tick*
 E. A. Mukolwe*
 Y. Takigawa
 N. I. Tawfiq
 J. Zielinski

Task Team on WMO Structure

P. Ewins** (Chairperson)
 J.-P. Beysson**
 R. Kelkar**
 Lim Joo Tick**
 G. A. McBean
 E. Mukolwe**
 T. Sutherland
 Other experts to be coopted as required

EC Advisory Group on the International Exchange of Data and Products

J.-P. Beysson - First Vice-President
 (Chairperson)
 Z. Batjargal
 A. I Bedritsky
 F. Camargo Duque
 P. Ewins
 J. J. Kelly
 M. S. Mhita
 R. Prasad
 Y. Salahu
 R. A. Sonzini
 President CBS
 President CHy

EC Advisory Group of Experts on Technical Cooperation

R. A. Sonzini - Third Vice-President
 (Chairperson)
 K. Konaré
 A. M. Noorian
 R. Prasad
 T. Sutherland
 Wen Kegang
 J. Zielinski

In addition, experts designated by the following countries: Australia, Canada, France, Germany, Japan, Morocco, Spain, United Kingdom and United States will also be invited to attend meetings of the Group, at their own expense.

EC Advisory Group on Role and Operation of NMHSs

J. W. Zillman - President of WMO
 (Chairperson)

Z. Alpersen
 Z. Batjargal
 A. I. Bedritsky
 F. Camargo Duque
 U. Gärtner
 J. J. Kelly
 G. A. McBean
 M. S. Mhita
 G. C. Schulze
 Wen Kegang
 J. Zielinski

EC Advisory Group on Climate and Environment

A. M. Noorian - Second Vice-President
 (Chairperson)
 A. I Bedritsky
 I. Dutra Maisonave (Ms)
 G. A. McBean
 L. P. Prahm
 G. K. Ramothwa (Ms)
 G. C. Schulze
 N. I. Tawfiq

SELECTION COMMITTEES

Selection Committee for the IMO Prize

J. Zielinski (Chairperson)
 A Diouri
 R. R. Kelkar
 Lim Joo Tick

Selection Committee for the WMO Research Award for Young Scientists

F. J. B. Hounton (Chairperson)
 F. Camargo Duque
 L. P. Prahm
 R. Prasad

Selection Committee for the Professor Dr Vilho Vaisala Award

G. A. McBean
 F. Oyou
 S. K. Srivastava - president of CIMO

Selection Committee for the Norbert Gerbier-MUMM International Award

Y. Salahu (Chairperson)
 I. Dutra Maisonave (Ms)
 C. Finizio
 President of CAgM

OTHER BODIES REPORTING TO THE EXECUTIVE COUNCIL

Joint WMO/IOC/ICSU Scientific Committee for the World Climate Research Programme (WCRP)

W. L. Gates - United States
 (Chairperson)
 J. Church - Australia

* Task Team on WMO Structure. See also general summary paragraph 3.6.

** Also members of the EC Working Group on Long-term Planning.

| | |
|---------------|----------------------|
| A. Afouda | - Benin |
| C. Nobre | - Brazil |
| D. Whelpdale | - Canada |
| Y. H. Ding | - China |
| D. Cariolle | - France |
| J.-F. Minster | - France |
| P. Lemke | - Germany |
| P. Schlosser | - Germany |
| R. R. Kelkar | - India |
| A. Sumi | - Japan |
| S. Lappo | - Russian Federation |
| V. Shannon | - South Africa |
| B. J. Hoskins | - United Kingdom |
| R. T. Pollard | - United Kingdom |
| K. Trenberth | - United States |
| S. Solomon | - United States |

Inter-agency Committee on the Climate Agenda (IACCA)

| | |
|--------------|---|
| ..... | (Chairperson) |
| ..... | Chairperson, SAC |
| W. H. Gates | Chairperson, JSC |
| K. Dawson | Chairperson, GCOS-SC |
| B. Moore | Chairperson, ISCU Scientific Committee for IGBP |
| R. T. Watson | Chairperson, IPCC |
| ..... | Representative of WMO |
| ..... | Representative of UNESCO |
| ..... | Representative of IOC |
| ..... | Representative of FAO |
| ..... | Representative of UNEP |
| ..... | Representative of UN/FCCC |
| ..... | Representative of ICSU |
| ..... | Representatives of World Data Centres A and B |
| ..... | Representative of IHDP |
| ..... | Directors/managers of the components of the WCP and associated activities |

Steering Committee for the Global Climate Observing System

| | |
|-----------------|-----------|
| K. Dawson | - Canada |
| (Chairperson) | |
| D. M. Whelpdale | - Canada |
| Y. Ni | - China |
| P. Courtier | - France |
| S. Mildner | - Germany |

| | |
|---------------|----------------------|
| Y. Haruyama | - Japan |
| K. Nagasaka | - Japan |
| L. A. Ogallo | - Kenya |
| C. Readings | - Netherlands |
| W. Grabs | - Germany |
| V. Meleshko | - Russian Federation |
| R. S. Winokur | - United States |
| P. J. Mason | - United Kingdom |

Joint IOC/WMO Committee for the Integrated Global Ocean Services System

| | |
|---------------|-----------|
| D. Kohnke | - Germany |
| (Chairperson) | |

Membership of the Committee is open to any Member of IOC and WMO wishing to participate in any part of the IGOSS Programme.

Data Buoy Cooperation Panel

| | |
|---------------|-------------|
| G. Brough | - Australia |
| (Chairperson) | |

Membership of the panel is open to any Member of WMO or IOC wishing to participate in the work of the Panel.

Joint IOC/WMO/UNEP Intergovernmental Committee for Global Ocean Observing System

| | |
|---------------|-------------|
| A. McEwan | - Australia |
| (Chairperson) | |

Membership of the Committee is open to any Member of IOC, WMO and UNEP wishing to participate in the work of the GOOS Programme.

Meetings of Presidents of Technical Commissions

| | |
|------------------|---------------------|
| S. Mildner | - president of CBS |
| S. K. Srivastava | - president of CIMO |
| K. Hofius | - president of CHy |
| A. Eliassen | - president of CAS |
| N. Gordon | - president of CAeM |
| ..... | - president of CAgM |
| J. Guddal | - president of CMM |
| Y. Boodhoo | - president of CCI |

WMO Staff Pension Committee

| | |
|---|--|
| U. Gärtner (Alternate to Mr U. Kalbitzer) | |
| A. Jaime | |
| G. K. Ramothwa (Ms) | |

ANNEX II

Annex to paragraph 3.28 of the general summary

VCP(F) STATUS AND PROPOSAL FOR FUTURE ALLOCATIONS

(United States dollars)

| Currently active projects and new proposed projects | Allocations approved by EC 1968-1997 | Expenditure in previous years 1968-1997 | Balance (01/01/98) | Allocations & adjustments approved by EC-L 1998 | Expenditure & obligations 1998 (excluding admin. costs) | Balance (31/12/98) | Proposed allocations for 1999 | Balance after expected new allocations |
|---|--------------------------------------|---|--------------------|---|---|--------------------|-------------------------------|--|
| 1 VCP spares/shipping of equipment in good working condition | 508 750 | 470 588 | 38 162 | 20 000 | 34 358 | 23 804 | 35 000 | 58 804 |
| 2 Expert services | 1 259 300 | 1 214 705 | 44 595 | 10 000 | 35 150 | 19 445 | 20 000 | 39 445 |
| 3 Short-term fellowships | 2 022 200 | 2 022 527 | - 327 | 130 000 | 25 530 | 104 143 | 40 000 | 144 143 |
| 4 TCDC activities | 353 285 | 313 755 | 39 530 | 20 000 | 17 109 | 42 421 | 20 000 | 62 421 |
| 5 Improvement of GTS | 82 841 | 19 080 | 63 761 | | | 63 761 | | 63 761 |
| 5.1 Improvement of GTS Caribbean | 139 020 | 89 961 | 49 059 | | | 49 059 | | 49 059 |
| 5.2 Improvement of GTS Asia/Pacific | 129 900 | 82 077 | 47 823 | 10 000 | 2 800 | 55 023 | 30 000 | 85 023 |
| 5.3 Improvement of GTS Africa | 549 995 | 503 188 | 46 807 | 10 000 | 21 108 | 35 699 | 20 000 | 55 699 |
| 5.4 Improvement of GTS South America | 337 900 | 311 864 | 26 036 | 10 000 | 16 995 | 19 041 | 10 000 | 29 041 |
| 5.5 Improvement of GTS South-East RA VI | 196 750 | 163 207 | 33 543 | | | 33 543 | | 33 543 |
| 5.6 Improvement of GTS central and eastern Europe/Newly Independent States (NIS) | 51 213 | 16 322 | 34 891 | 10 000 | - 18 | 44 909 | | 44 909 |
| 6 Improvement of upper-air observing subsystem of GOS and GCOS | 364 729 | 236 190 | 128 539 | 30 000 | 45 624 | 112 915 | 10 000 | 122 915 |
| 6.1 Upper-air stations in central and eastern Europe/Newly Independent States (NIS) | 282 000 | 238 845 | 43 155 | 60 000 | 38 882 | 64 273 | 30 000 | 94 273 |
| 7 Improvement of GDPS | 100 000 | 41 357 | 58 643 | | 16 024 | 42 619 | | 42 619 |
| 8 Agricultural meteorology activities* | 55 000 | 45 965 | 9 035 | | | 9 035 | | 9 035 |
| 9 Support to CLICOM and climatological activities | 133 500 | 69 713 | 63 787 | | 709 | 63 078 | | 63 078 |
| 10 Mitigation of natural disasters (IDNDR) | 80 000 | 44 414 | 35 586 | | 1 194 | 34 392 | | 34 392 |
| 10.1 Emergency disaster assistance | | | | | | | 40 000 | 40 000 |
| 11 ASMC | 111 000 | 67 569 | 43 431 | | | 43 431 | | 43 431 |
| 12 ACMAD | 120 000 | 76 532 | 43 468 | 20 000 | 44 236 | 19 232 | 10 000 | 29 232 |
| 13 EAMAC | 20 000 | 5 541 | 14 459 | 10 000 | 8 543 | 15 916 | 10 000 | 25 916 |
| 14 Operational hydrology activities | 100 000 | 38 463 | 61 537 | 10 000 | 15 869 | 55 668 | 5 000 | 60 668 |
| 15 Improvement of satellite reception | 10 000 | | 10 000 | | | 10 000 | | 10 000 |
| 16 Internet capabilities** | | | | | | | 40 000 | 40 000 |
| 17 Year 2000 problem** | | | | | | | 30 000 | 30 000 |
| 18 Reserve | 15 332 | 4 764 | 10 568 | | | 10 568 | | 10 568 |
| TOTAL | 7 022 715 | 6 076 627 | 946 088 | 350 000 | 324 113 | 971 975 | 350 000 | 1 321 975 |

NOTE: Expenditure amounts for 1998 and balances as of 31/12/98 are interim figures which will be audited with the 1998-1999 biennium accounts.

* "Locust Control in Africa" is proposed to be renamed.

** New project lines proposed.

ANNEX III

Annex to paragraph 6.2 of the general summary

LIST OF PROPOSED SESSIONS OF PANELS AND WORKING GROUPS AND OF SYMPOSIA, TECHNICAL CONFERENCES, SEMINARS AND WORKSHOPS

A. TO BE IMPLEMENTED IN 2000, THE FIRST YEAR OF THE BIENNIUM 2000-2001

PANELS, WORKING GROUPS, STUDY GROUPS AND MEETINGS OF EXPERTS

*Budget
code*

Part 1

- 1.02.120 (a) Financial Advisory Committee
1.03.220 (b) EC Working Group on Long-term Planning

Part 3, Section 0

- 30.01.020 (a) Meeting of Presidents of Technical Commissions
30.02.020 (b) Task Team on WMO Structure
30.02.022 (c) EC Advisory Working Group on the Role and Operation of National Meteorological and Hydrological Services

Part 3, Section 1

- 31.00.021 (a) Expert Meeting on Crosscutting Issues
31.00.020 (b) CBS Advisory Working Group
31.01.021 (c) Expert Meeting to Review and Update WWW Operational Arrangements in the Antarctic
31.11.021 (d) Expert Meeting on Redesign of the Global Observing System
31.11.022 (e) Expert Meetings on FCGOS
31.13.020 (f) Task Team on the *Manual and Guide* on the GOS — to update regulatory material
31.14.021 (g) Expert Meeting on Long-term Data Quality
31.21.021 (h) CBS Steering Group on Radio Frequency Coordination
31.21.023 (i) Expert Meeting on Structure of the GTS
31.25.020 (j) Expert Meeting on GTS Support to WHYCOS
31.31.022 (k) Expert Meeting on RSMC Functions
31.33.020 (l) Expert Meeting on Implementation of GDPS
31.34.020 (m) Expert Meeting on WWW/WCP Matters
31.41.023 (n) Expert Meeting on Refinement of Data Management Requirements
31.42.025 (o) Expert Meeting on Improved WWW Monitoring Procedures
31.42.027 (p) Expert Meeting on Monitoring Procedures
31.43.020 (q) CBS Subgroup on Data Representation and Codes
31.51.022 (r) Expert Meeting on Composite Observing Network to Contribute to the Redesign of the GOS
31.61.023 (s) Expert Meeting on Upper-air Observations
31.62.020 (t) Meeting of Heads of Regional Instrument Centres — discussion of matters of common concern
31.71.022 (u) Expert Meeting for Requirements and GOS Redesign
31.72.020 (v) Expert Meeting for Satellite System Utilization
31.80.020 (w) ESCAP/WMO Typhoon Committee — thirty-third session
31.80.024 (x) WMO/ESCAP Panel on Tropical Cyclones — twenty-seventh session
31.82.020 (y) Expert Meeting on Tropical Cyclone Warnings
31.84.020 (z) Meeting of Asian Experts on Flood Risk Reduction
31.92.020 (aa) Expert Meeting on ERA Techniques

Part 3, Section 2

- 32.01.021 (a) CCI Advisory Working Group
32.12.020 (b) Inter-agency Committee for the Climate Agenda

*Budget
code*

| | | |
|-----------|-----|---|
| 32.21.020 | (c) | Regional Technical Meeting (RA I) on Desertification Information System |
| 32.22.020 | (d) | Expert Group Meeting on Early Warning Systems for Drought Preparedness and Drought Management |
| 32.41.020 | (e) | CCI/CLIVAR Working Group on Climate Change Detection |
| 32.42.021 | (f) | Expert Meeting on Data Exchange |
| 32.43.020 | (g) | Expert Meeting on CLICOM Development |
| 32.43.022 | (h) | CLICOM Implementation in RA IV |
| 32.45.022 | (i) | CCI Task Group on a Future CDMS |
| 32.51.020 | (j) | CCI Working Group on CLIPS |
| 32.52.020 | (k) | Three Regional Climate Outlook Forum |
| 32.53.026 | (l) | Meeting on Truce and Human Health |

Part 3, Section 3

| | | |
|-----------|-----|--|
| 33.01.020 | (a) | CAS/JSC Working Group on Numerical Experimentation |
| 33.22.020 | (b) | Expert Meeting on Ozone Data |
| 33.22.023 | (c) | Expert Meeting on UV Measurements |
| 33.23.020 | (d) | Expert Meeting on Technical Subject of GAW |
| 33.24.022 | (e) | Expert Meeting on Pollution Deposition to the Seas |
| 33.24.024 | (f) | Expert Meeting on Chemical Transformation Modelling |
| 33.25.020 | (g) | Regional Technical Meeting on Quality Assurance |
| 33.26.020 | (h) | Technical Meeting on Carbon Dioxide |
| 33.27.023 | (i) | Regional Technical Meeting |
| 33.30.020 | (j) | WWRP Science Steering Committee |
| 33.50.020 | (k) | EC Panel of Experts/CAS Working Group on Physics and Chemistry of Clouds and Weather Modification Research |

Part 3, Section 4

| | | |
|-----------|-----|--|
| 34.11.020 | (a) | Expert Meeting on Strategies Towards Implementation of Capacity Building in PWS |
| 34.14.020 | (b) | Expert Meeting on Warning and Forecast Exchange Issues |
| 34.21.020 | (c) | Meeting of the CAgM Working Group on Agrometeorological Applications |
| 34.23.021 | (d) | Expert Meeting on Software for Agrometeorological Data Management |
| 34.24.020 | (e) | CAgM Working Group on the Dissemination of Agrometeorological Information |
| 34.35.020 | (f) | CAeM Working Group on Training, the Environment and New Developments in Aeronautical Meteorology (TREND) |
| 34.40.021 | (g) | IGOSS Bureau/Second JCOMM Planning Meeting |
| 34.41.020 | (h) | IOC/WMO/CPPS Working Group on <i>El Niño</i> |
| 34.42.020 | (i) | CMM Subgroup on Marine Climatology — eighth session |
| 34.42.021 | (j) | Steering Group for GDSIDB — sixth session |
| 34.42.025 | (k) | Expert Meeting to Finalize the Revised <i>Guide to the Applications of Marine Climatology</i> |
| 34.43.020 | (l) | GOOS Steering Committee — third session |
| 34.43.024 | (m) | SOOP Implementation Panel — third session |

Part 3, Section 5

| | | |
|-----------|-----|--|
| 35.01.020 | (a) | CHy Advisory Working Group |
| 35.11.022 | (b) | Expert Meeting on the <i>Guide to Hydrological Practices</i> , the <i>Technical Regulations</i> and HOMS |
| 35.12.021 | (c) | Expert Meeting on Technology Transfer |
| 35.13.020 | (d) | Meeting of the WHYCOS International Advisory Group |
| 35.21.020 | (e) | CHy Working Group on Applications |
| 35.21.022 | (f) | Expert Meeting on STEND |
| 35.22.020 | (g) | Expert Meeting on Studies of Environmental Change |
| 35.22.023 | (h) | CHy Working Group on Environment |
| 35.31.020 | (i) | WMO/UNESCO Liaison Committee on Hydrology |
| 35.43.020 | (j) | Expert Meeting on Assessing Hydrological Impacts on Storm Surges |
| 35.53.020 | (k) | Expert Meeting on Marketing Hydrological Products |

*Budget
code*

Part 3, Section 6

36.01.020 (a) EC Panel of Experts on Education and Training

Part 3, Section 7

37.21.020 (a) EC Advisory Group of Experts on Technical Cooperation

37.21.022 (b) Informal Planning Meeting on the VCP and Related Technical Cooperation Programmes

Part 3, Section 8

38.02.025 (a) RA V Tropical Cyclone Committee

38.02.026 (b) RA IV Working Group on Hurricanes

38.02.027 (c) RA IV Working Group on Hydrology

38.02.030 (d) RA I Advisory Working Group

38.02.032 (e) RA III Working Group on Internet Matters

38.06.026 (f) Regional Instruments Intercomparison for Six Regions

IMPLEMENTATION COORDINATION MEETINGS

Part 3, Section 1

31.12.021 (a) Implementation Coordination Meeting on the Development of Automated Observing Systems

31.41.021 (b) Fourth Inter-programme Data Management Coordination Meeting

31.42.020 (c) Implementation Coordination Meeting on WMO Information Systems

Part 3, Section 2

32.11.020 (a) Expert Coordination Meeting

32.51.021 (b) Expert Meeting on the Coordination of Climate Prediction

32.53.020 (c) Regional CLIPS/Research Coordination Meeting

Part 3, Section 3

33.11.024 (a) Implementation Coordination Meeting on Ozone Depleting Substances

33.12.022 (b) Implementation Coordination Meeting on Long-range Transport

33.21.020 (c) Implementation Coordination Meeting on GAW Real-time Functioning

33.27.020 (d) Implementation Coordination Meeting on Urban Environment

Part 3, Section 4

34.43.027 (a) GOOS Implementation Planning Meeting

Part 3, Section 8

38.06.020 (a) Regional Implementation Coordination Meeting on GTS in RA I

38.06.021 (b) Regional Implementation Coordination Meeting on GTS in RA V

38.06.022 (c) Regional Implementation Coordination Meeting on GTS and Data Management in RA VI

38.06.027 (d) Regional Implementation Coordination Meeting on Hydrology in RA I

SYMPOSIA, TECHNICAL CONFERENCES, SEMINARS, WORKSHOPS AND TRAINING COURSES

Part 3, Section 0

30.11.029 (a) Information and Public Affairs Media Seminar

30.12.048 (b) Information and Public Affairs Training Seminar — Latin America

*Budget
code*

Part 3, Section 1

- 31.11.031 (a) Symposium on Observing Systems Impact Studies
- 31.23.030 (b) Workshop on New Telecommunication Services
- 31.24.030 (c) Roving Seminar on GTS Techniques
- 31.32.029 (d) Workshop on the Use of Ensemble Prediction
- 31.52.029 (e) Technical Conference Related to Instrumentation and Calibration Methods
- 31.60.029 (f) Technical Conference on Meteorological and Environmental Instruments and Methods of Observations
- 31.60.030 (g) Training Seminar on IMOP
- 31.73.031 (h) Specialized Symposium for Cloud Track Winds
- 31.74.029 (i) Workshop on Satellite Utilization
- 31.85.029 (j) Workshop on Storm Surge Disasters
- 31.87.031 (k) Southern Hemisphere Training Course on Tropical Cyclones

Part 3, Section 2

- 32.51.030 (a) CLIPS Symposium
- 32.52.048 (b) Regional Training Seminar on CLIPS
- 32.52.050 (c) Two Roving Seminars on CLIPS

Part 3, Section 3

- 33.42.029 (a) Second WMO International Workshop on Monsoon Studies

Part 3, Section 4

- 34.13.030 (a) Workshop on Improving Techniques
- 34.20.029 (b) International Workshop on Agricultural Impacts of ENSO

Part 3, Section 5

- 35.02.029 (a) Workshop on Water Resources Assessment
- 35.32.031 (b) Co-sponsorship of NGO Symposium

Part 3, Section 6

- 36.24.050 (a) Training Seminar for National Instructors from RA III and RA IV
- 36.41.050 (b) Regional Training Seminar on GDPS and PWS Aspects
- 36.41.058 (c) Global Training Course on Tropical Cyclones
- 36.42.048 (d) RA I Regional Training Seminar on Climate Data Management
- 36.42.050 (e) RA III and RA IV CLIPS Training Seminar on Climate Information, Prediction and Application
- 36.43.049 (f) International Training Workshop for Sydney 2000 Forecast Demonstration Project of the WWRP
- 36.44.048 (g) Training Seminar on Geographical Information Systems and Agroecological Zoning
- 36.44.052 (h) Three Roving Seminars on PMO Services in RA I
- 36.45.051 (i) Workshop to Review National Capabilities on Water Resources Assessment
- 36.45.053 (j) Applied Hydrology and Information System for Water Management
- 36.45.055 (k) NOAA/WMO Course on Hydrological Forecasting

Part 3, Section 8

- 38.05.048 (a) Technical Conference in RA I
- 38.04.049 (b) RA I Training Seminar on the Use of New Technology for the Exchange and Processing of Meteorological Data and Products

WORKING GROUPS, STUDY GROUPS AND MEETINGS OF EXPERTS FINANCED FROM WMO/ICSU/IOC
JOINT CLIMATE RESEARCH FUND (JCRF)

- (a) Session of the WMO/ICSU/IOC Joint Scientific Committee for the WCRP
- (b) Coordination Meeting of Cooperating International/National Agencies and Related Programmes
- (c) Session of the Joint JSC/CAS Working Group on Numerical Experimentation
- (d) Session of the Coupled Model Working Group
- (e) Session of the GEWEX Modelling Panel
- (f) Session of the CLIVAR Seasonal Prediction Panel
- (g) Session of the Cryospheric Modelling Panel
- (h) Workshop on Atmospheric Transport Modelling
- (i) Session of the Working Group on Radiative Fluxes
- (j) Working Group on Scientific Review of WCRP Baseline Surface Radiation Network
- (k) Session of the Panel on Cloud System Studies
- (l) Workshop on Cloud System Modelling
- (m) Session of the GEWEX Scientific Steering Group
- (n) Session of the GEWEX Hydrometeorology Panel
- (o) Workshop on the GEWEX Continental-scale Hydrological Experiments
- (p) Expert Meeting on Data Management for GEWEX Radiation Projects
- (q) Session of the CLIVAR Scientific Steering Group
- (r) Session of the CLIVAR Panel on Monsoon Variability and Prediction
- (s) Expert Meeting on Decadal to Centennial Variability
- (t) Air-sea Fluxes Working Group Meeting
- (u) Planning Meeting on Global Ocean Observations for CLIVAR
- (v) Expert Meeting on Palaeoclimatic Data
- (w) Session of the WOCE Science Steering Group
- (x) Expert Workshop on Synthesis of WOCE Data
- (y) Workshop on Global Ocean Data Analysis
- (z) Session of the Scientific Steering Group for WCRP Climate and Cryosphere Studies
- (aa) Expert Workshop on Cryospheric Data Management
- (ab) Session of the SPARC Scientific Steering Group
- (ac) Expert Workshop on Stratospheric Modelling
- (ad) Conference on Stratosphere and Climate

B. TO BE IMPLEMENTED IN 2001 THE SECOND YEAR OF THE BIENNIUM 2000-2001

PANELS, WORKING GROUPS, STUDY GROUPS AND MEETINGS OF EXPERTS

*Budget
code*

Part 1

- 1.02.121 (a) Financial Advisory Committee
- 1.03.320 (b) EC Advisory Group on Data Exchange
- 1.03.321 (c) EC Working Group — subject to be decided by Cg-XIII

Part 3, Section 0

- 30.01.021 (a) Meeting of Presidents of Technical Commissions
- 30.02.021 (b) Task Team on WMO Structure

Part 3, Section 1

- 31.00.020 (a) CBS Advisory Working Group
- 31.14.020 (b) Expert Meeting to Review the Implementation of the GCOS Upper-air and Surface Network
- 31.24.020 (c) Expert Meeting on Specific Telecommunication Systems for Strengthening GTS
- 31.25.020 (d) Expert Meeting on GTS Support to GCOS

*Budget
code*

| | | |
|-----------|-----|--|
| 31.31.020 | (e) | ICM on Data-processing and Forecasting |
| 31.31.021 | (f) | Expert Meeting on GDPS Centres |
| 31.34.020 | (g) | Expert Meeting on WWW/WCP Matters |
| 31.42.023 | (h) | Expert Meeting on Modern Data Management Practices |
| 31.42.026 | (i) | Expert Meeting on Improved WWW Monitoring Procedures |
| 31.43.022 | (j) | Expert Meeting on Maintenance and Development of WMO Representation Forms |
| 31.43.024 | (k) | Expert Meeting on Standard Encoding Software |
| 31.51.020 | (l) | Expert Meeting on WWW System Planning to Assist Developing Countries Through Provision of Technical Advice |
| 31.54.020 | (m) | Expert Meeting on OIS Practices |
| 31.60.020 | (n) | CIMO Advisory Working Group |
| 31.61.020 | (o) | Working Group on Surface Measurements |
| 31.61.024 | (p) | Session of the International Organizing Committee for a WMO Intercomparison |
| 31.80.021 | (q) | ESCAP/WMO Typhoon Committee — thirty-fourth session |
| 31.80.025 | (r) | WMO/ESCAP Panel on Tropical Cyclones — twenty-eighth session |
| 31.80.028 | (s) | RA IV Hurricane Committee — twenty-third session |
| 31.81.020 | (t) | Expert Meeting on Formulation of TCP Sub-project |
| 31.91.020 | (u) | RSMC ICT on Emergency Response to Nuclear Accidents |

Part 3, Section 2

| | | |
|-----------|-----|---|
| 32.12.020 | (a) | Inter-agency Committee for the Climate Agenda |
| 32.41.022 | (b) | CCI/CLIVAR Task Group on Priority Indices |
| 32.42.020 | (c) | Expert Meeting to Prepare for the Seventh Global Climate Review |
| 32.43.023 | (d) | CLICOM Implementation in RA III |
| 32.43.024 | (e) | CLICOM Implementation in RA V |
| 32.44.020 | (f) | DARE IV Implementation |
| 32.45.020 | (g) | CCI Working Group on Climate Data |
| 32.52.023 | (h) | Regional Climate Outlook Forum |

Part 3, Section 3

| | | |
|-----------|-----|--|
| 33.01.020 | (a) | CAS/JSC Working Group on Numerical Experimentation |
| 33.01.021 | (b) | CAS Advisory Working Group |
| 33.11.020 | (c) | Meeting of the Ozone Research Managers |
| 33.11.022 | (d) | Expert Meeting on Ozone Assessment |
| 33.12.020 | (e) | Expert Meeting on EMEP Assessment |
| 33.20.020 | (f) | EC Panel of Experts/CAS Working Group on Environmental Pollution and Atmospheric Chemistry |
| 33.21.021 | (g) | Expert Meeting on GAW Real-time Functioning |
| 33.22.024 | (h) | Expert Meeting on UV Measurements |
| 33.23.021 | (i) | Expert Meeting on a Technical Subject of GAW |
| 33.25.022 | (j) | Expert Meeting on Quality Assurance |
| 33.26.022 | (k) | Expert Meeting on Air-sea Exchange |
| 33.27.021 | (l) | Expert Meeting on Urban Environment Pollution |
| 33.30.022 | (m) | WWRP Science Steering Committee |
| 33.41.020 | (n) | Working Group on Tropical Meteorology Research |

Part 3, Section 4

| | | |
|-----------|-----|---|
| 34.14.020 | (a) | Expert Meeting on Product Development, Service Evaluation and Media Issues |
| 34.22.020 | (b) | CAGM Working Group on Climate Forecasts in Operational Agriculture |
| 34.26.020 | (c) | CAGM Working Group on Agrometeorological Adaptation Strategies to Climate Change |
| 34.31.020 | (d) | CAeM Working Group on the Provision of Meteorological Information Required by Civil Aviation (PROMET) |
| 34.40.022 | (e) | Technical Lectures at CMM-XIII/JCOMM-I |

*Budget
code*

- 34.41.022 (f) CMM Subgroup on ROSE
 34.42.023 (g) Steering Group for GTSP — seventh session
 34.43.020 (h) GSC — fourth session
 34.47.020 (i) Video-conference Seminar on Marine Services (RA I)

Part 3, Section 5

- 35.01.021 (a) CHy Advisory Working Group
 35.11.020 (b) CHy Working Group on Basic Systems
 35.13.021 (c) Meeting of WHYCOS International Advisory Group
 35.22.021 (d) Expert Meeting on Studies of Environmental Change
 35.31.021 (e) WMO/UNESCO Liaison Committee on Hydrology

Part 3, Section 7

- 37.21.023 (a) Informal Planning Meeting on the VCP and Related Technical Cooperation Programmes

Part 3, Section 8

- 38.02.020 (a) RA I Working Group on WWW
 38.02.021 (b) RA III Working Group on WWW
 38.02.022 (c) RA IV Working Group on WWW
 38.02.023 (d) RA VI Working Group on WWW
 38.02.024 (e) RA I Working Group on the Cyclone Committee
 38.02.028 (f) RA V Working Group on Hydrology
 38.02.029 (g) RA VI Working Group on Hydrology
 38.02.031 (h) RA V Working Group on Climate Matters

IMPLEMENTATION COORDINATION MEETINGS

Part 3, Section 1

- 31.12.022 (a) Implementation Coordination Meeting on the Development of Automated Observing Systems
 31.22.020 (b) CBS/ISS Implementation Coordination Team on Information Exchange Management
 31.23.020 (c) Implementation Coordination Meeting on the MTN
 31.41.022 (d) Fifth Inter-programme Data Management Coordination Meeting
 31.71.020 (e) Coordination Group on Global Observing System Issues

Part 3, Section 2

- 32.53.020 (a) Two Regional CLIPS/Research Coordination Meetings

Part 3, Section 8

- 38.06.023 (a) Regional Implementation Coordination Meeting on GDPS in RA I
 38.06.024 (b) Regional Implementation Coordination Meeting on GTS in RA II
 38.06.025 (c) Regional Implementation Coordination Meeting on GTS and Data Management in RAs III/IV
 38.06.028 (d) Regional Implementation Coordination Meeting on Hydrology in RA VI

SYMPOSIA, TECHNICAL CONFERENCES, SEMINARS, WORKSHOPS AND TRAINING COURSES

Part 3, Section 0

- 30.02.049 (a) Technical Conference on the Role of Women in Meteorology and Hydrology
 30.12.049 (b) Information and Public Affairs Regional Training Seminar — Asia

*Budget
code*

Part 3, Section 1

- 31.22.030 (a) Training Workshop on Communication Techniques
- 31.52.030 (b) Seminar on WWW System Implementation Issues Focused on GOS and Instrument Aspects
- 31.60.030 (c) Training Seminar on IMOP
- 31.74.029 (d) Workshop on Satellite Utilization
- 31.83.029 (e) Technical Conference on Tropical Cyclone Forecasts and Warnings
- 31.86.029 (f) Workshop on Tropical Cyclone Awareness and Preparedness
- 31.86.030 (g) Seminar on Tropical Cyclone Disaster Reduction
- 31.92.029 (h) Technical Conference on RSMC Enhancement in Emergencies

Part 3, Section 2

- 32.51.023 (a) Joint WCP/WCRP/IRI Conference
- 32.52.052 (b) Roving Seminar on CLIPS

Part 3, Section 3

- 33.23.029 (a) International Conference on Carbon Dioxide
- 33.31.029 (b) International Workshop on Verification of High Impact Weather Forecasts
- 33.32.031 (c) International Conference on Quantitative Precipitation Nowcasting and Forecasting
- 33.42.031 (d) Fourth WMO International Workshop on Tropical Limited Area Modelling
- 33.51.029 (e) Workshop on Cloud Modelling

Part 3, Section 4

- 34.13.029 (a) Technical Conference on Presentation and Dissemination Techniques
- 34.24.029 (b) Regional Workshop (RA III/RA IV) on the Dissemination of Agrometeorological Information

Part 3, Section 5

- 35.21.029 (a) Regional Technical Conference on Flood Disaster Prevention
- 35.31.031 (b) Co-sponsorship of Technical Symposium on Water-related Activities within the United Nations System
- 35.32.032 (c) Co-sponsorship of NGO Symposium
- 35.53.029 (d) Regional Workshop on Marketing of Hydrological Products

Part 3, Section 6

- 36.24.049 (a) Training Seminar on Curriculum Development
- 36.24.050 (b) Training Seminar for National Instructors from RA II and RA V
- 36.41.048 (c) Regional Training Seminar on GDPS and Data Management
- 36.41.051 (d) Regional Training Seminar on GDPS and PWS Aspects
- 36.41.052 (e) Roving Seminar on Satellite Meteorology
- 36.41.056 (f) RA IV Workshop on Hurricane Forecasting and Warning
- 36.42.049 (g) RA I Regional Training Seminar on Climate Data Management
- 36.42.051 (h) RA II and RA V CLIPS Training Seminar on Climate Information, Prediction and Application
- 36.43.048 (i) Training Workshop on Urban Environment
- 36.44.051 (j) International Seminar on Applications of Remotely-sensed Marine Data
- 36.45.053 (k) Latin-American Course on Operational Hydrology
- 36.46.049 (l) Regional Course on Hydrological Forecasting
- 36.46.050 (m) Interregional Workshop on Improving Agrometeorological Bulletins

Part 3, Section 8

- 38.04.048 (a) RA II Regional Seminar on Cost Recovery and Administration
- 38.04.049 (b) RA IV Regional Seminar on Marketing for NMHSs
- 38.04.050 (c) RA VI Regional Seminar on the Introduction of New Technologies

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code*

| | | |
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| 38.05.049 | (d) | RA III/IV Technical Conference |
| 38.05.050 | (e) | RA V Technical Conference |

WORKING GROUPS, STUDY GROUPS AND MEETINGS OF EXPERTS FINANCED FROM WMO/ICSU/IOC
JOINT CLIMATE RESEARCH FUND (JCRF)

- (a) Session of the Panel on Cloud System Studies
- (b) Workshop on Cloud System Modelling
- (c) Workshop on Land-surface Processes
- (d) Session of the GEWEX Scientific Steering Group
- (e) Session of the GEWEX Hydrometeorology Panel
- (f) Workshop on GEWEX Water Vapour Climatology Project
- (g) Expert Meeting on the Use of New Satellite Data for GEWEX
- (h) Expert Meeting on Data Management for GEWEX Precipitation Project
- (i) Expert Meeting on the Management of Satellite Data for GEWEX
- (j) Session of the CLIVAR Scientific Steering Group
- (k) Session of the CLIVAR Panel on Monsoon Variability and Prediction
- (l) WMO/ICSU/IOC Joint Scientific Committee for the WCRP
- (m) Meeting of JSC Officers
- (n) Coordination Meeting of Cooperating International/National Agencies and Related Programmes
- (o) Regional Workshop to Develop Local Climate Research Interests and Capabilities
- (p) Session of the Joint JSC/CAS Working Group on Numerical Experimentation
- (q) Session of the Coupled Model Working Group
- (r) Session of the GEWEX Modelling Panel
- (s) Session of the CLIVAR Seasonal Prediction Panel
- (t) Session of the Cryospheric Modelling Panel
- (u) Workshop on Reanalysis Projects
- (v) Session of the Working Group on Radiative Fluxes
- (w) Expert Meeting on Decadal to Centennial Variability
- (x) Expert Meeting on Detection of Climate Change
- (y) Scientific Conference on Long-term Ocean Variability
- (z) Expert Meeting on Monsoon Field Studies
- (aa) Session of the WOCE Science Steering Group
- (ab) Session of the Scientific Steering Group for WCRP Climate and Cryosphere Studies
- (ac) Implementation Coordination Meeting for Cryospheric Field Studies
- (ad) Session of the SPARC Scientific Steering Group
- (ae) Expert Meeting on Radiative/Dynamical/Chemical Processes in the Stratosphere

NOTES:

- (1) In addition to the symposia, seminars and conferences listed above, WMO may co-sponsor some other such meetings of interest to WMO in conjunction with the United Nations and its specialized agencies, IAHS, ICSU and other international organizations, and some meetings in connection with joint projects in cooperation with other international organizations.
- (2) Within the limits of available resources, the Secretary-General is authorized to organize further meetings of experts and implementation coordination meetings, as necessary.
- (3) The above list does not include:
 - (a) Possible training seminars to be held in 2000-2001 financed by UNDP;
 - (b) Meetings and training courses to be financed by UNEP;
 - (c) Other meetings financed from extrabudgetary resources and trust fund activities such as the joint WMO/UNEP/IPCC Fund, the Climate Observing System Fund (COSF) established by a Memorandum of Understanding between WMO, ICSU, IOC and UNEP, or the trust funds received for the Special Trust Fund on Climate and Atmospheric Environment Activities Fund (CAEA).

ANNEX IV

Annex to paragraph 6.6 of the general summary

BUDGET FOR THE JOINT WMO/ICSU/IOC CLIMATE RESEARCH FUND (JCRF)
FOR THE BIENNIUM 2000-2001

| | SFR'000 |
|--|---------|
| Institutional support to WCRP | |
| Staff | 2 969.3 |
| Temporary staff | 74.0 |
| Sessions of JSC | 250.0 |
| Inter-agency coordination/development of regional activities | 157.5 |
| Operation of the JPS | 140.0 |
| Climate modelling programme | 435.0 |
| Research on climate processes | 320.0 |
| Global energy and water cycle experiment (GEWEX) | |
| Science coordination | 310.0 |
| Data management | 100.0 |
| Climate variability and predictability (CLIVAR) | |
| Science coordination | 425.0 |
| Observations and data management | 95.0 |
| Completion of WOCE data analysis | 145.0 |
| Cryosphere and climate | 200.0 |
| Stratospheric processes and their role in climate (SPARC) | 220.0 |
| Study of the earth system and global change | - |
| Total | 5 840.8 |
| ICSU contribution to JCRF* | 912.0 |
| IOC contribution to JCRF* | 760.0 |
| WMO regular budget contribution | 4 168.8 |

* Assuming United Nations official exchange rate of May 1999 (SFR 1.52/US Dollar).

ANNEX V

Annex to [paragraph 7.6.5](#) of the general summary

RECOMMENDATION OF THE FINANCIAL ADVISORY COMMITTEE TO THE
FIFTY-FIRST SESSION OF THE EXECUTIVE COUNCIL

Appointment of the External Auditor

RECOMMENDATION

That the Executive Council:

- (1) Adopt the draft text for inclusion in the general summary of its report, as contained in document EC-LI/Doc. 7.6(1), Appendix A;
 - (2) Adopt the draft Resolution 7.6/1 (EC-LI), submitted by the Secretary-General, as contained in document EC-LI/Doc. 7.6(1), Appendix B.
-

APPENDIX A

LIST OF PERSONS ATTENDING THE SESSION

1. MEMBERS OF THE EXECUTIVE COUNCIL

| | |
|---------------|-----------------------|
| J. W. Zillman | President |
| J.-P. Beysson | First Vice-President |
| A. M. Noorian | Second Vice-President |
| R. A. Sonzini | Third Vice-President |
| M. S. Mhita | President RA I |
| Z. Batjargal | President RA II |
| A. J. Dania | President RA IV |
| Lim Joo Tick | President RA V |
| C. Finizio | President RA VI |

| | |
|--------------------------|-------------------|
| Z. Alperson | } Elected members |
| A. I. Bedritsky | |
| F. Camargo Duque | |
| E. Coca Vita | |
| A. Diouri | |
| I. Dutra Maisonnave (Ms) | |
| P. D. Ewins | |
| U. Gärtner | |
| F. J. B. Hounton | |
| A. Jaime | |
| R. R. Kelkar | |
| J. J. Kelly | |
| K. Konaré | |
| G. A. McBean | |
| E. A. Mukolwe | |
| F. Oyou | |
| L. P. Prahm | |
| R. Prasad | |
| G. K. Ramothwa (Ms) | |
| A. Y. Salahu | |
| G. C. Schulze | |
| T. W. Sutherland | |
| Y. Takigawa | |
| N. B. I. Tawfiq | |
| Wen Kegang | |
| J. Zielinski | |

2. ALTERNATES AND ADVISERS

| | |
|-----------------|----------------------------|
| V. K. Tsui | Alternate to J. W. Zillman |
| D. Lambergeon | Alternate to J.-P. Beysson |
| M. Boccoz (Ms) | Adviser to J.-P. Beysson |
| A. M. Delju | Alternate to A. M. Noorian |
| A. Repetti (Ms) | Adviser to R. A. Sonzini |
| N. Kuwese | Adviser to M. S. Mhita |

| | |
|--------------------|--|
| D. Dagvadorj | Alternate to Z. Batjargal |
| Ling Leong Kwok | Alternate to Lim Joo Tick |
| L. M. Michaud | (part-time) Adviser to C. Finizio |
| Z. Varga | Adviser to C. Finizio |
| S. S. Khodkin | Alternate to A. I. Bedritsky |
| O. Chamanov | (part-time) Adviser to A. I. Bedritsky |
| A. Maximov | (part-time) Adviser to A. I. Bedritsky |
| A. Vasiliev | (part-time) Adviser to A. I. Bedritsky |
| J. Segovia | Alternate to E. Coca Vita |
| E. Cormenzana | Adviser to E. Coca Vita |
| A. El Kadiri | Alternate to A. Diouri |
| D. B. Shaw | Alternate to P. D. Ewins |
| D. Frömming | Alternate to U. Gärtner |
| U. Einsfelder (Ms) | Adviser to U. Gärtner |
| M. M. K. Sardana | Alternate to R.R. Kelkar |
| J. E. Jones | Alternate to J. J. Kelly |
| J. M. Garner | (part-time) Adviser to J. J. Kelly |
| C. McMahan (Ms) | (part-time) Adviser to J. J. Kelly |
| W. McPherson | (part-time) Adviser to J. J. Kelly |
| K. Weston (Ms) | (part-time) Adviser to J. J. Kelly |
| M. Yerg | (part-time) Adviser to J. J. Kelly |
| D. Grimes | Alternate to G. A. McBean |
| B. Angle | Adviser to G. A. McBean |
| K. I. Essendi | Alternate to E. A. Mukolwe |
| T. Hiraki | Alternate to Y. Takigawa |
| H. Sasaki | Adviser to Y. Takigawa |
| K. Shida | Adviser to Y. Takigawa |
| S. Bukhari | Alternate to N. I. Tawfiq |
| J. A. Bantan | Adviser to N. I. Tawfiq |
| I. Barakat-Diab | Adviser to N. I. Tawfiq |
| Yan Hong | Alternate to Wen Kegang |
| Wang Caifang | Adviser to Wen Kegang |
| Xin Xianhua | Adviser to Wen Kegang |

3. PRESIDENTS OF TECHNICAL COMMISSIONS

| | |
|---------------|--|
| S. Mildner | Commission for Basic Systems |
| K. Hofius | Commission for Hydrology |
| N. Gordon | Commission for Aeronautical Meteorology |
| C. J. Stigter | (Adviser to the acting president of the Commission for Agricultural Meteorology) |

4. EXTERNAL AUDITORS

| |
|---------------------|
| M. C. Dumesnil (Ms) |
| J. F. Potton |

APPENDIX B

AGENDA

| <i>Agenda item</i> | <i>Document Nos.</i> | <i>PINK Nos. and person submitting</i> | <i>Resolutions and recommendations adopted</i> |
|---|---|--|--|
| 1. ORGANIZATION OF THE SESSION | | 1, President of WMO | |
| 1.1 Opening of the session | | | |
| 1.2 Approval of the agenda | 1.2(1); 1.2(2) | | |
| 1.3 Establishment of committees | | | |
| 1.4 Programme of work of the session | | | |
| 1.5 Approval of the minutes | | | |
| 2. REVIEW OF PANELS AND OTHER BODIES OF THE EXECUTIVE COUNCIL | 2(1); 2(2) | 2(1), President of WMO 2(2), President of WMO | Res. 1 |
| 3. CONSIDERATION OF DECISIONS OF THIRTEENTH CONGRESS REQUIRING URGENT ACTION BY THE EXECUTIVE COUNCIL | 3(1); 3(2); 3(3); 3(4); 3(5); 3(6) | 3(1), President of WMO 3(2), President of WMO 3(3), President of WMO 3(4), President of WMO 3(5), President of WMO 3(6), President of WMO 3(7), President of WMO | Res. 2; 3; 4; 5 |
| 4. REPORTS OF SESSIONS OF CONSTITUENT BODIES | 4(1); 4(2); 4(3); 4(4); 4(5) | 4(1), President of WMO 4(2), President of WMO 4(3), President of WMO 4(4), President of WMO 4(5), President of WMO | Res. 6; 7; 8; 9 |
| 5. REPORTS OF SESSIONS OF PANELS AND WORKING GROUPS REPORTING TO THE EXECUTIVE COUNCIL | 5(1); 5(2); 5(3); 5(4); 5(5); 5(6); | 5(1), President of WMO 5(2), President of WMO 5(3), President of WMO 5(4), President of WMO 5(5), President of WMO 5(6), President of WMO 5(7), Chairperson, Committee of the Whole | Res. 10; 11; 12 |
| 6. PROGRAMME AND BUDGET FOR 2000-2001 | 6(1) | 6(1), President of WMO | Res. 13 |
| 7. GENERAL AND ADMINISTRATIVE MATTERS | | | |
| 7.1 Forty-fourth IMO Prize | 7.1(1) | 7.1, President of WMO | |
| 7.2 Other awards | 7.2(1) | 7.2, President of WMO | |
| 7.3 Arrangements for scientific lectures for EC-LII | 7.3(1) | 7.3, President of WMO | |
| 7.4 World Meteorological Day, theme for 2001 | 7.4(1) | 7.4, President of WMO | |
| 7.5 Staff matters | 7.5(1); 7.5(2); ADD.1; 7.5(3); 7.5(4); 7.5(5) | 7.5(1), President of WMO 7.5(2), President of WMO | |
| 7.6 Financial matters | 7.6(1); 7.6(2); 7.6(3); 7.6(4) | 7.6(1), President of WMO 7.6(2), President of WMO 7.6(3), Secretary-General 7.6(4), President of WMO | Res. 14; 15 |
| 8. DATE AND PLACE OF THE FIFTY-SECOND AND FIFTY-THIRD SESSIONS OF THE EXECUTIVE COUNCIL | | 8, President of WMO | |
| 9. CLOSURE OF THE SESSION | | 9, President of WMO | |

APPENDIX C

LIST OF ABBREVIATIONS

| | |
|---------|--|
| ABSN | Antarctic Basic Synoptic Network |
| AMDAR | Aircraft Meteorological Data Relay |
| AMTHS | Anatolian Meteorological Technical High School |
| ASAP | Automated Shipboard Aerological Programme |
| CAEA | Climate and Atmospheric Environment Activities |
| CAeM | Commission for Aeronautical Meteorology |
| CAGM | Commission for Agricultural Meteorology |
| CAS | Commission for Atmospheric Sciences |
| CBS | Commission for Basic Systems |
| CCI | Commission for Climatology |
| CDMS | Climate Database Management System |
| CEOP | Coordinated Enhanced Observing Period |
| CHy | Commission for Hydrology |
| CIMO | Commission for Instruments and Methods of Observation |
| CLIC | Climate and Cryosphere |
| CLICOM | Climate Computing |
| CLIPS | Climate Information and Prediction Services |
| CLIVAR | Climate Variability and Predictability |
| CMM | Commission for Marine Meteorology |
| COMNAP | Council of Managers of National Antarctic Programmes |
| COSF | Climate Observing System Fund |
| CPPS | Permanent Commission for the South Pacific |
| CTBTO | Comprehensive Nuclear Test Ban Treaty Organization |
| DARE | Data Rescue |
| EC | Executive Council |
| EMEP | Cooperative Programme for the Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe |
| ENSO | <i>El Niño</i> /Southern Oscillation |
| ERA | Emergency Response Activities |
| ESCAP | Economic and Social Commission for Asia and the Pacific |
| ETRP | Education and Training Programme |
| 5LTP | Fifth WMO Long-term Plan |
| FAO | Food and Agriculture Organization of the United Nations |
| FCGOS | Future Composite Global Observing System |
| GAW | Global Atmosphere Watch |
| GCOS | Global Climate Observing System |
| GCOS-SC | Steering Committee for the Global Climate Observing System |
| GDPS | Global Data-processing System |
| GDSIDB | Global Digital Sea-Ice Data Bank |
| GEWEX | Global Energy and Water Cycle Experiment |
| GOOS | Global Ocean Observing System |
| GOS | Global Observing System |
| GSC | GOOS Steering Committee |
| GTS | Global Telecommunication System |
| GTSP | Global Temperature Salinity Profile Programme |
| HOMS | Hydrological Operational Multipurpose System |
| IACCA | Inter-agency Committee on the Climate Agenda |
| IAHS | International Association of Hydrological Sciences |
| IAIS | Internal Audit and Investigation Service |
| ICAO | International Civil Aviation Organization |
| ICM | Implementation Coordination Meeting |
| ICSU | International Council for Science |
| ICT | Implementation Coordination Team |
| IGBP | International Geosphere-Biosphere Programme |
| IGOSS | Integrated Global Ocean Services System |

| | |
|---------|---|
| IHDP | International Human Dimensions Programme |
| IMO | International Meteorological Organization |
| IMOP | Instruments and Methods of Observation Programme |
| IOC | Intergovernmental Oceanographic Commission |
| IOS | Initial Operational System |
| IPCC | Intergovernmental Panel on Climate Change |
| IRI | International Research Institute for Climate Prediction |
| ISS | Integrated WWW System Study |
| JCOMM | Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology |
| JCRF | Joint Climate Research Fund |
| JPS | Joint Planning Staff |
| JSC | Joint Scientific Committee |
| MTN | Main Telecommunication Network |
| NGO | Non-governmental Organization |
| NHS | National Hydrological Service |
| NMHS | National Meteorological and Hydrological Service |
| NOAA | National Oceanic and Atmospheric Administration |
| OIS | Operational Information Service |
| PMO | Port Meteorological Officer |
| PROMET | Working Group on the Provision of Meteorological Information Required by Civil Aviation |
| PWS | Public Weather Services |
| RA | Regional Association |
| RMTC | Regional Meteorological Training Centre |
| ROSE | Radar Ocean Sensing |
| RSMC | Regional Specialized Meteorological Centre |
| 6LTP | Sixth WMO Long-term Plan |
| SAC | Scientific Advisory Committee |
| SCAR | Scientific Committee on Antarctic Research |
| SG-RFC | Steering Group on Radio Frequency Coordination |
| SOOP | Ship-of-opportunity Programme |
| SPARC | Stratospheric Processes and their Role in Climate |
| STEND | System for Technology Exchange for Natural Disasters |
| SVAT | Soil-vegetation-atmosphere Transfer |
| TCF | Technical Cooperation Fund |
| TCP | Tropical Cyclone Programme |
| TREND | Working Group on Training, the Environment and New Developments in Aeronautical Meteorology |
| UNDP | United Nations Development Programme |
| UNEP | United Nations Environment Programme |
| UNESCO | United Nations Educational, Scientific and Cultural Organization |
| UN/FCCC | United Nations Framework Convention on Climate Change |
| UN/OCHA | United Nations Office for the Coordination of Humanitarian Affairs |
| UV | Ultraviolet |
| VCP | Voluntary Cooperation Programme |
| VCP(F) | Voluntary Cooperation Fund |
| WAFS | World Area Forecast System |
| WCP | World Climate Programme |
| WCRP | World Climate Research Programme |
| WHYCOS | World Hydrological Cycle Observing System |
| WMD | World Meteorological Day |
| WMO | World Meteorological Organization |
| WMO50 | World Meteorological Organization Fiftieth Anniversary |
| WOCE | World Ocean Circulation Experiment |
| WWRP | World Weather Research Programme |
| WWW | World Weather Watch |
