

WORLD METEOROLOGICAL ORGANIZATION

EXECUTIVE COUNCIL

FORTY-SEVENTH SESSION

GENEVA, 22–23 JUNE 1995

ABRIDGED FINAL REPORT WITH RESOLUTIONS



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- 756 — Eleventh World Meteorological Congress: Abridged report with resolutions, Geneva, 1991.^{3Δ◇}
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* English out of print.

• French out of print.

Δ Russian out of print.

† Spanish out of print.

◇ Arabic out of print.

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GENERAL SUMMARY OF THE WORK OF THE SESSION

The Executive Council of the World Meteorological Organization held its forty-seventh session from 22 to 23 June 1995 at the Geneva International Conference Centre, after the closure of Twelfth Congress, under the chairmanship of Dr J. W. Zillman, Director of Meteorology of Australia and President of the Organization.

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 22 June 1995.

1.1.2 In his opening remarks, the President congratulated members on their election to the Executive Council and welcomed specially the new members of the Council. He also paid tribute to the outgoing members. A complete list of participants is given in Appendix A to this report.

1.1.3 The President drew attention to the special nature of Council sessions in that the members participated in their individual capacities and not as representatives of their countries. During the inter-congressional period, the Council had to look after the interests of the Organization. In particular, he highlighted some of the challenges which it would have to face, including implementation of decisions of Twelfth Congress regarding the future exchange of data and products, the Climate Agenda and the Climate Information and Prediction Services (CLIPS), technical cooperation, the long-term planning process and the establishment of a small group that would deal with the structure and functioning of WMO.

1.1.4 The current session immediately after Twelfth Congress was one of the shortest sessions ever held but a number of important actions were required by the Council. Several decisions of Twelfth Congress required urgent follow-up action, including agreement on the programme and budget for the first biennium (1996–1997) of the twelfth financial period 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 committees, Committee A and Committee B, dealing respectively with administrative and legal matters and scientific and technical programmes including budget matters. Rather, most

items were considered in the Committee of the Whole. Small subgroups were, however, established as follows to consider specific items:

PROGRAMME AND BUDGET 1996-1997

E. W. Friday (chairman)
A. A. Al-Gain
A. Bedritsky
J. -P. Beysson
E.A. Mukolwe
R. A. Sonzini

SCIENTIFIC LECTURES FOR EC-XLVIII

T. Mohr (chairman)
A. B. Diop
G. A. McBean
A. M. Noorian

WORLD METEOROLOGICAL DAY 1997

J. C. R. Hunt (chairman)
A. Athayde
G. E. Ortega Gil
G. C. Schulze

1.3.2 The Council also filled vacancies in the memberships of the Executive Council Committee on the WMO Headquarters Building, and the Selection Committees for the International Meteorological Organization Prize, the WMO Research Award for Young Scientists, the Norbert Gerbier-MUMM International Award and the Professor Dr Vilho Vaisala Award.

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 C 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 REPORTING TO THE EXECUTIVE COUNCIL (agenda item 2)

2.1 The decisions of Twelfth Congress requiring follow-up action by the Executive Council were discussed and recorded under agenda item 3 as were the decisions of the Council relating to changes in the structure of the panels and other bodies reporting to the Council.

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

- (a) EC Panel of Experts on Education and Training;
- (b) EC Panel of Experts/CAS Working Group on Environmental Pollution, Atmospheric Chemistry and Urban Environment*;
- (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 Executive Council working groups:

- (a) EC Working Group on Antarctic Meteorology;
- (b) EC Working Group on Long-term Planning.

2.4 It was agreed to re-establish the Executive Council Committee on the WMO Headquarters Building.

2.5 It was agreed to establish the following new Executive Council advisory groups:

- (a) EC Advisory Group of Experts on Technical Cooperation;
- (b) EC Advisory Group on the Exchange of Meteorological and Related Data and Products.

2.6 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.

2.7 It was agreed to re-establish the following other bodies reporting to the Executive Council:

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

2.8 The membership of Council panels and other bodies reporting to the Council as defined at its forty-seventh session is given in Annex I to this report.

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

HYDROLOGY AND WATER RESOURCES PROGRAMME

3.1 Twelfth Congress had addressed three matters to the Executive Council which were considered at its forty-seventh session. The first concerned problems en-

countered when a country had to withdraw an invitation and a session of the technical commission had to be rescheduled. The Council requested the Secretary-General to consider this matter when preparing proposals for the revision of the General Regulations for submission to EC-L.

3.2 The Council had been asked by Twelfth Congress to consider the various matters raised by the president of the Commission for Hydrology (CHy) concerning an enhanced role for WMO in the resolution of global water issues. In view of the importance of this matter and the need to establish some mechanism for consultation with the broad hydrological constituency of WMO, the Council requested the Secretary-General to compile further information and prepare proposals for its consideration at its forty-eighth session.

3.3 Twelfth Congress had suggested that appropriate hydrological representation be included in the subsidiary bodies of the Council. This proposal was taken into account when the Council reviewed its panels and other bodies under agenda item 2.

3.4 The Council noted that CHy was continuing its study of future arrangements for the international exchange of hydrological data and products and that this question would be considered at the Commission's tenth session, scheduled for December 1996. It requested the president of CHy to report to the forty-ninth session of the Council on the outcome of the Commission's deliberations on the matter.

INTERNATIONAL DECADE FOR NATURAL DISASTER REDUCTION (IDNDR)

3.5 The Executive Council noted the views expressed by Twelfth Congress as regards the implementation of the International Decade for Natural Disaster Reduction (IDNDR), in particular Congress' emphasis on the very important role that national Meteorological and Hydrological Services were called upon to play in reducing the impact of such disasters.

3.6 The Council also noted that it had been requested to review the implementation of the WMO Plan of Action for the IDNDR adopted by Twelfth Congress. As a result, it requested the Secretary-General to consult with members of the Council and presidents of technical commissions on the progress of that implementation, with particular regard to relations with the UN General Assembly, the Commission on Sustainable Development, the IDNDR Secretariat, other agencies and scientific bodies, and on progress in seeking extra-budgetary funds for relevant action. It felt that such a review should first be carried out in 1996 and therefore requested the Secretary-General to inform the Council, at its forty-eighth session, of progress with the implementation of the Plan. The review should include reference to preliminary plans for WMO's involvement in natural disaster reduction beyond the year 2000.

LONG-TERM PLANNING

3.7 The Executive Council noted the request of Twelfth Congress to review the WMO planning process

* Subject to CAS concurrence.

and establish a mechanism for coordination of the preparation of the *Fifth WMO Long-term Plan (SLTP)*. It decided to re-establish a Working Group on Long-term Planning that would meet twice during the twelfth financial period, in 1996 and 1998. The decision of the Council was recorded in Resolution 1 (EC-XLVII).

3.8 The Council requested the Working Group on Long-term Planning to undertake an in-depth study of the process of preparation of WMO long-term plans, taking into account the experience gained during the drafting of the previous plans, with a view to improving the process as well as the format, structure and contents of the future plan. The possibility of integrating Parts I and II into a single consolidated document should also be explored. That should contribute to avoiding repetition, reducing voluminous documentation of the long-term plan, and should render it a more useful guideline which serves better its purpose. New technologies should be used to prepare a plan, thus reducing the cost considerably.

ESTABLISHMENT OF THE EC ADVISORY GROUP OF EXPERTS ON TECHNICAL COOPERATION

3.9 The Executive Council noted Resolution 24 (Cg-XII) through which it was requested to establish the EC Advisory Group of Experts on Technical Cooperation. The Council considered the terms of reference proposed and agreed that the EC Panel of Experts on the Voluntary Cooperation Programme (VCP) should be dissolved. The Council agreed on the composition of the core membership of the Group and that Mr C. E. Berridge would be the chairman of the Group. The Council suggested that the chairman issue invitations to other Members of WMO to participate in the work of the Group at their own expense. The Council further agreed that the members of the Group should be experts in technical cooperation.

3.10 The Council requested the Secretary-General to ensure that the Group carried out its work in accordance with the established WMO procedures. In this connection, the Secretary-General should arrange for the meetings of the Group to be held in conjunction with other relevant WMO meetings on technical cooperation matters, if possible, in order to save costs.

3.11 With regard to the VCP, the Council requested the Secretary-General to continue working with the President of WMO for the approval of VCP projects to be circulated and those to be implemented under the VCP Fund (VCP(F)). In this respect, the Council noted that there was a need to review the rules and procedures of the VCP. It therefore requested the EC Advisory Group of Experts on Technical Cooperation to take up this matter during its first meeting so as to submit proposals to the forty-eighth session of the Council.

3.12 The Council adopted Resolution 2 (EC-XLVII).

FUTURE ARRANGEMENTS FOR THE INTERNATIONAL EXCHANGE OF DATA AND PRODUCTS

3.13 The Executive Council noted the request of Twelfth Congress to keep the implementation of Resolution 40 (Cg-XII) under review and to report on it

to Thirteenth Congress. It invited the presidents of technical commissions to provide assistance and requested the Secretary-General to assist in preparing the report.

3.14 Noting paragraph 11.4.16 of the abridged final report of Twelfth Congress regarding the Statement on requirements for the international exchange of data and products to support all WMO, and WMO-sponsored Programmes, the Council decided to request the Commission for Basic Systems, in consultation with other technical commissions, to review and update relevant parts of the list, as necessary, at regular intervals.

3.15 The Council adopted Resolution 3 (EC-XLVII).

COORDINATION OF THE WORLD CLIMATE PROGRAMME

3.16 The Executive Council noted the decisions of Twelfth Congress concerning the coordination of the World Climate Programme (WCP) and international climate-related programmes in general, including the establishment, on the basis of the reformulated Coordinating Committee for the WCP (CCWCP), of an inter-agency coordinating body (see the final report of Twelfth Congress, section 3.2.0 and Resolution 7 (Cg-XII)).

3.17 The Council particularly noted that Twelfth Congress requested it to review the development of the Climate Agenda including relevant action plans and to decide upon the WMO representation in the coordinating body. The Council requested the Secretary-General to present a report on the development of the Climate Agenda at its forty-eighth session.

REVIEW OF THE OVERALL WMO ORGANIZATIONAL STRUCTURE

3.18 Twelfth Congress decided that a review of the overall organizational structure was again necessary, given current financial constraints, and therefore requested the Executive Council to create a small (two-person) task team in order to study the overall structure of WMO using previous studies as a starting point, and to make recommendations for consideration by the Council and Thirteenth Congress.

3.19 The Council therefore designated E. W. Friday and E. A. Mukolwe to serve on the task team.

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

REPORT OF THE EXTRAORDINARY SESSION (1994) OF THE COMMISSION FOR BASIC SYSTEMS

4.1 The Executive Council noted with appreciation the report of the extraordinary session (1994) of the Commission for Basic Systems (CBS). It noted with particular appreciation the actions taken by the Commission, which had been reported to Twelfth Congress, in response to the Council's earlier decisions regarding the proposed new practice for the exchange of meteorological and related data and products. The Council was also pleased to note the initiative taken by the Commission in developing proposals on how the basic systems could contribute to the planning and

implementation of the Global Climate Observing System (GCOS). In endorsing those proposals, the Council invited the GCOS/Joint Scientific and Technical Committee (JSTC) to take them into account in its work.

4.2 The Council fully supported the proposal of the Commission that the Public Weather Services Programme should contribute to the objectives of the International Decade for Natural Disaster Reduction (IDNDR), in particular by addressing the issue of warnings related to weather phenomena that might affect more than one country.

4.3 The Council recorded its decisions on the recommendations adopted by the session in Resolution 4 (EC-XLVII).

REPORT OF THE ELEVENTH SESSION OF THE COMMISSION FOR AGRICULTURAL METEOROLOGY

4.4 The Executive Council noted with appreciation the report of the eleventh session of the Commission for Agricultural Meteorology (CAgM) and recorded its decisions on the recommendations adopted at the session in Resolution 5 (EC-XLVII).

4.5 The Council complimented the Commission for adopting "Operational agrometeorology for sustainable, environmentally friendly and economically viable agricultural production" as the theme upon which to focus activities during the intersessional period.

4.6 The Council in particular appreciated the decision of the Commission to undertake activities on:

- (a) The provision of advice and assistance in the implementation of the International Convention to Combat Desertification;
- (b) The preparation of guidelines on the improvements of management practices in agriculture and forestry in order to cope with climate variability and climate change and on management strategies on sustainable development;
- (c) The validation of information requirements on agricultural crops, livestock and forests for their management and exploitation;
- (d) The review of techniques and methods to observe and manage ground-based and remotely-sensed agrometeorological and agronomic data in the most timely and efficient manner for application to agriculture and to the conservation of forests;
- (e) The consolidation of the content and scope of current and future requirements of Members for agrometeorological data and products to support national, regional and subregional activities and WMO Programmes;
- (f) The documentation of experience and information on the operation of agrometeorological services to understand and respond to the requirements of the end users;
- (g) The review of experience and knowledge on the application of agrometeorological information needed to better cope with extreme events.

4.7 The Council recalled the decisions made by Twelfth Congress on the Climate Information and

Prediction Services (CLIPS) project and emphasized the particular importance of the provision of seasonal forecasts as one of the most needed products to serve agriculture.

4.8 The Council noted that the Commission had adopted guidelines for presenting awards for outstanding contributions and/or exceptionally long-term services to CAgM and that a decision on the first award was made during the eleventh session.

4.9 The Council noted with interest the preparation of a publication giving examples of achievements in agricultural meteorology. The Council considered that such a publication would be of considerable value to planners and decision makers, and to the user community as a whole.

4.10 The Council noted with appreciation the large number of training events in agrometeorology which were held and fully supported the continuation of such events.

4.11 The Council reiterated the concern expressed by Twelfth Congress regarding the reduced representation of developing countries at sessions of the Commission for Agricultural Meteorology. The Council noted the request of Twelfth Congress that the Secretary-General and the president of the Commission continue their efforts to search for ways and means, including extra-budgetary resources, to improve upon the situation. At the same time, the Council considered that the work of the Commission should be even more oriented towards the needs of developing countries in order to encourage their enhanced participation in the sessions of the Commission and in its activities in general.

4.12 The Council noted that the president of CAgM actively participated in events concerning the development of the Global Terrestrial Observing System (GTOS). The Council noted the view of the president of CAgM that GTOS, if implemented, would be very useful for the activities of national agrometeorological services especially with respect to their involvement in the implementation of international agreements such as the United Nations Framework Convention on Climate Change (UNFCCC) and the International Convention to Combat Desertification.

4.13 The Council noted that the Commission, within its Working Group on Agrometeorological Data Management, intended to review and summarize the development of techniques and methods to observe and manage remotely-sensed agrometeorological and agronomic data for application to agriculture. The Council considered that this task would be supported by the involvement of an expert from CAgM in the work of the CBS Working Group on Satellites, and requested that necessary arrangements be made for this purpose.

REPORT OF THE TENTH SESSION OF THE COMMISSION FOR AERONAUTICAL METEOROLOGY

4.14 The Executive Council noted with appreciation the report of the tenth session of the Commission for Aeronautical Meteorology (CAeM) held in Geneva from 10 to 21 October 1994.

4.15 The Council recorded its decision on the various recommendations of the meeting in Resolution 6 (EC-XLVII).

REPORT OF THE ELEVENTH SESSION OF RA I

4.16 The Executive Council considered the report of the eleventh session of Regional Association I (Africa). In respect of Recommendation 2 (XI-RA I), the Council noted that the more general view on the implementation of the World Area Forecast System (WAFS), in particular the assignment by Members of national Meteorological Services as the designated National Meteorological Authority, would be taken up through appropriate fora. It embodied its decisions in Resolution 7 (EC-XLVII).

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

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

5.1 The Executive Council expressed appreciation for the review of the Guidelines for Advice and Assistance Related to the Planning of Weather Modification Activities, carried out at the request of the Commission for Atmospheric Sciences (CAS), by the EC Panel of Experts/CAS Working Group on Physics and Chemistry of Clouds and Weather Modification Research. Consequently, the Council approved the revised guidelines reproduced in Annex II to this report.

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

5.2 The Council noted with satisfaction the information stemming from the fourth session of the EC Panel of Experts/CAS Working Group on Environmental Pollution and Atmospheric Chemistry (Garmisch, Germany, 6–11 March 1995). It subsequently approved the following recommendations:

- (a) That the various components of the WMO Global Atmosphere Watch (GAW) be appropriately referred to in future as WMO/GAW/ozone, WMO/GAW/precipitation chemistry, WMO/GAW/carbon dioxide, etc. and that the previous acronyms used be discontinued;
- (b) That a new series of GAW training meetings be endorsed on a regional basis designed to foster a feeling of ownership and responsibility at the national and regional levels;
- (c) That the non-continuous measurements by hand-held sunphotometers be discontinued, in view of the inconsistency of the measurements.

5.3 The Council welcomed the initiatives of Japan and the United States to start developing Quality Assurance/Science Activity Centres (QA/SAC) establishments for the geographical areas of Asia/Oceania and the Americas, respectively, to complement the fully implemented QA/SAC in Germany for Europe/Africa.

5.4 It was also recognized that precipitation chemistry was still a major environmental issue which reached beyond the acid rain question and should include deposition data that could be used to evaluate nitrogen, eutrophication in water bodies and the environmental impact of trace metals. Members were therefore encouraged to progressively include such measurements.

5.5 In addition, the Council recognized that the standardization of instruments in environmental monitoring required special attention. Therefore, specialized calibration centres under the Quality Assurance/Science Activity Centres were essential if WMO/GAW were to maintain its present success. While several of these centres had long been operational, several new centres were proposed. Particularly, Switzerland had established two new calibration centres; one for surface ozone at the Federal Material Examination and Research Institute (EMPA), and one for optical depth at the World Radiation Centre (WRC). Other countries were now considering setting up centres for aerosol chemistry, carbon monoxide, ozonesondes and radioactivity. The Council encouraged Members to establish those centres and expressed its appreciation to them for doing so.

WMO/IOC/ICSU/UNEP JOINT SCIENTIFIC AND TECHNICAL COMMITTEE FOR THE GLOBAL CLIMATE OBSERVING SYSTEM (GCOS)

5.6 The Executive Council noted the report of the fourth session of the World Meteorological Organization/Intergovernmental Oceanographic Commission/International Council of Scientific Unions/United Nations Environment Programme (WMO/IOC/ICSU/UNEP) Joint Scientific and Technical Committee (JSTC). It noted the extensive documentation, including the comprehensive plan for the observing system, as well as plans for data and information management, and space observations that were published.

5.7 The Council particularly endorsed the concept of the Initial Operational System (IOS) proposed by the JSTC. It was comprised of existing operational observational components and enhancements to those existing systems which were recommended for immediate implementation. The Council urged Members to assist in the implementation of the IOS by identifying and maintaining existing observing elements, and by initiating enhancements as identified in the GCOS plans.

5.8 The Council, in recognizing the progress made to date, took particular note that two urgent issues must be addressed: (1) adequate and reliable levels of support from sponsoring organizations and Members for the international coordination of GCOS; and (2) mechanisms to permit GCOS to present its integrated programme of observations and data management to governments for their consideration. Regarding the first, the Council urged each sponsor to review its funding plans for the GCOS and to establish adequate levels of support, and urged Members to consider suitable secondments of qualified staff to the Joint Planning Office to assist in the implementation of the various plans. Regarding the second, the Council welcomed the establishment of the

inter-agency committee (Resolution 7 (Cg-XII)), which would review and coordinate activities within "The Climate Agenda" including the identification of priorities, resource requirements, monitoring of progress toward achievement of the aims of the Climate Agenda, and to interact with governments through, *inter alia*, involvement of representatives of governing bodies of international organizations concerned. The Council anticipated that it would provide mechanisms for securing and coordinating the resources needed to implement the thrusts of the Climate Agenda, including GCOS.

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

5.9 The Executive Council noted the report of the World Meteorological Organization/International Council of Scientific Unions/Intergovernmental Oceanographic Commission (WMO/ICSU/IOC) Joint Scientific Committee (JSC) for the World Climate Research Programme (WCRP) and expressed satisfaction at the continuing progress in the implementation of the Programme. In particular, the Council congratulated the JSC on the successful conclusion of the WCRP Tropical Ocean and Global Atmosphere (TOGA) programme on 31 December 1994 as planned; which had achieved its primary objective of establishing the basis for skilful prediction of El Niño sea surface temperature anomalies and associated changes in the atmospheric circulation up to a year or more in advance. The Council observed that unique high-quality global data sets had been collected during TOGA which would serve as a resource for scientific research for many years. The availability of these data sets should be widely advertised. The Council thus encouraged the JSC to prepare an international review document summarizing the achievements and legacies of TOGA, drawing on the results of the highly successful final TOGA International Conference, kindly hosted and supported by Australia in Melbourne in April 1995. Furthermore, the Council welcomed JSC plans to build on the firm scientific foundation established by TOGA and to explore, within the new WCRP Climate Variability and Predictability (CLIVAR) research study, the possibilities of extending TOGA-type predictions to cover global monsoonal circulations and increasing the range and skill of seasonal forecasting in mid-latitudes. The Council looked forward to an assessment of the predictability of global monsoonal circulations, similar to that developed by TOGA for El Niño events and associated changes in the atmospheric circulation. The Council observed that the mandate of the WMO/IOC Intergovernmental TOGA Board had expired with the conclusion of TOGA on 31 December 1994, and expressed its gratitude to the Board members for their efforts in securing and coordinating the national resources needed for the implementation of TOGA.

5.10 The Council noted that during 1994 ICSU had undertaken a scientific review and assessment of the role of WCRP in climate change research. The Council looked forward to receiving a full copy of the results of

the review and expressed its willingness to consider, in consultation with the executive bodies of ICSU and IOC, proposals for specific follow-up actions. The Council noted the review had recommended that the JSC examine the means to provide additional opportunities for the involvement of developing countries in the WCRP. The Council expressed satisfaction that the JSC had given priority to responding to this recommendation and had thus begun work to set out an agenda of priority scientific issues as a basis for mutually beneficial regional activities (e.g. studies of long-term regional climate variability as a component of CLIVAR). The Council also noted that the JSC had asked three of its members (from Regions I, II and III) to give specific advice to the JSC on increasing the role of WCRP in capacity building.

5.11 The Council agreed with the suggestion in the ICSU review that a scientific conference be organized to establish a general consensus on WCRP priorities in the light of the 1995 Intergovernmental Panel on Climate Change (IPCC) Science Assessment and taking into account the changing interests of policy-makers and governments in the issue of climate change. The Council requested the JSC to undertake the arrangements for the conference, and to keep the Council and the executive bodies of ICSU and IOC fully informed of the plans being made.

REPORT OF THE CHAIRMAN OF THE EC PANEL OF EXPERTS ON THE VOLUNTARY COOPERATION PROGRAMME

5.12 The Executive Council noted that Twelfth Congress adopted Resolution 23 (Cg-XII), which decided upon the continuation of the Voluntary Cooperation Programme (VCP) in the twelfth financial period, as well as the fields of cooperation covered by the VCP, and the continuation of the use of the previously established general procedures for the VCP. It also noted that Congress authorized the Council to review the present rules and procedures for the operation of the WMO Voluntary Cooperation Programme (reference agenda item 3), and requested the Secretary-General to continue to administer the VCP during the twelfth financial period and to report to Thirteenth Congress on the assistance rendered during the twelfth financial period in addition to the annual report on the VCP distributed to Members.

5.13 The Council reviewed the report of the chairman of the EC Panel of Experts on the Voluntary Cooperation Programme. It approved the allocations for the Voluntary Cooperation Programme Fund (VCP(F)) reproduced in Annex III (A), noting that these allocations were based on estimated income in 1995 and taking into account the Members' contributions to the Voluntary Cooperation Programme in 1994 as given in Annex III (B). In this connection, the Council expressed the view that full accountability was required in the use of the VCP(F) to assist donor Members in justifying support to the Fund. It therefore requested the Secretary-General to provide an annual report on the VCP(F) to the Council through the Advisory Group of Experts on Technical

Cooperation. Furthermore, the Council approved the list of the VCP coordinated programmes (Annex III (C)).

6. PROGRAMME AND BUDGET FOR 1996-1997 (agenda item 6)

6.1 The Executive Council noted the decisions of Twelfth Congress and its Resolutions 31 (Cg-XII) and 33 (Cg-XII), and decided to adopt Resolution 8 (EC-XLVII) concerning the budget and contributions for the biennium 1996-1997. The appropriations thus approved amounted to SFR 124 400 000.

6.2 The Council furthermore approved the list of sessions of panels and working groups and of symposia, technical conferences, seminars and workshops as contained in Annex IV to this report. The implementation of these events should take place subject to the availability of funds within the approved budget following the guidelines set by Twelfth Congress. It also authorized the Secretary-General to approve amendments to the list as necessary.

6.3 The Council noted that the budget for the first biennium (1996-1997), in conformity with the maximum expenditure for the twelfth financial period, was based on salary rates, prices and official United Nations exchange rates prevailing in April 1995 with the addition of SFR 6 000 000 for "full budgeting" based on the Consultative Committee on Administrative Questions (CCAQ) inflation projections of three per cent per annum.

6.4 With respect to staffing, the Council noted the decisions of Twelfth Congress as contained in its final report, paragraph 8.15 of the general summary.

6.5 The Council approved the budget for the World Meteorological Organization/International Council of Scientific Unions/Intergovernmental Oceanographic Commission (WMO/ICSU/IOC) Joint Climate Research Fund for the biennium 1996-1997 as reproduced in Annex V to this report. It noted that ICSU and IOC were each expected to contribute annually an amount of at least US \$200 000 to the fund. 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 the WMO/ICSU/IOC agreement, to bring the total WMO contribution authorized to SFR 4 065 000 for the biennium 1996-1997. The Council requested the Secretary-General to approach ICSU and IOC to invite them to consider increasing their contributions to the Fund.

6.6 The Council made provisions for sessions in 1996 and 1997 of the following regional associations and technical commissions:

1996

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

1997

- Regional Association III (twelfth session)
- Regional Association IV (twelfth session)
- Commission for Climatology (twelfth session)
- Commission for Marine Meteorology (twelfth session)

7. GENERAL AND ADMINISTRATIVE MATTERS (agenda item 7)

7.1 FORTIETH IMO PRIZE (agenda item 7.1)

7.1.1 The Executive Council awarded the fortieth IMO Prize to Dr R. Kintanar.

7.1.2 Dr A. M. Noorian was appointed to the Selection Committee to replace Dr K. Ninomiya. The Committee now consisted of Dr J. Zielinski (chairman), Dr M. S. Mhita, Dr A. M. Noorian and Mr R. A. Sonzini.

7.2 OTHER AWARDS (agenda item 7.2)

PROFESSOR DR VILHO VAISALA AWARD

7.2.1 The Selection Committee of the Executive Council for the Professor Dr Vilho Vaisala Award recommended that Dr A. C. L. Lee (United Kingdom) receive the tenth Professor Dr Vilho Vaisala Award for the paper entitled "Filtering, sampling and information content within satellite-derived multispectral or mixed-resolution imagery" published in the *Journal of Atmospheric and Oceanic Technology*, Vol. 11, No. 2, April 1994. The proposal of the Selection Committee was approved by the Council.

NORBERT GERBIER-MUMM INTERNATIONAL AWARD

7.2.2 The Council approved the proposal of the Selection Committee for the Norbert Gerbier-MUMM International Award for 1996 and conferred the 1996 award on M. N. Ward, C. K. Folland, K. Maskell, D. P. Rowell and K. B. Lane (United Kingdom) for the paper entitled "Experimental seasonal forecasting of tropical rainfall at the UK Meteorological Office (1993)" published in *Prediction of Interannual Climate Variations* (Ed.: J. Shukla), NATO ASI Series, Vol. I, 6, pp. 197-216.

WMO RESEARCH AWARD FOR YOUNG SCIENTISTS

7.2.3 Based upon the recommendation of its Selection Committee, the Council conferred the 1995 WMO Research Award for Young Scientists upon Dr I. Csiszár (Hungary) for his research paper entitled "The effect of the droplet size distribution on the reflectivity of boundary-layer clouds" published in the *Quarterly Journal of the Hungarian Meteorological Service*, Vol. 98, No. 2, April-June 1994.

7.2.4 The Council appointed the following four members to serve on its Selection Committee to determine the winner(s) of the 1996 award:

- A. Bedritsky – Russian Federation
- B. K. Cheang – Malaysia
- P. Leyva-Franco – Colombia
- G. K. Ramothwa (Ms) – Botswana

7.2.5 Taking into account the decision of Twelfth Congress that the WMO Research Award for Young Scientists be opened to include papers in hydrology, the Council decided to add the word "hydrology" at the end of the first paragraph of the guidelines on the attribution of this award.

PROFESSOR MARIOLOPOULOS TRUST FUND AWARD

7.2.6 The Council noted with appreciation the proposal to establish a Trust Fund to commemorate the distinguished contributions of the late Professor Mariolopoulos to modern meteorology and climatology

particularly in Greece, his native country. Beginning in 1996, the Trust Fund would provide every second year an award to stimulate research and understanding of the atmospheric environment. It was agreed that for this Trust Fund, the Secretary-General representing WMO would make the decisions concerning the evaluation of candidates and the utilization of financial resources (see Annex VI) in collaboration with the Mariolopoulos-Kanaginis Foundation (MKF).

FUTURE AWARDS

7.2.7 The Council, whilst supportive of the commemorative awards and the research efforts which they recognized, noted that the selection process consumed an increasing amount of its time. It therefore decided that future awards approved by the Council should be completely self-supporting and the selection process conducted outside the sessions of the Executive Council and/or the World Meteorological Congress.

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

7.3.1 The Executive Council agreed that the general theme for the scientific lectures to be delivered during the Council's forty-eighth session would be "Tropical meteorology, including subtropics". It also selected the following three specific lecture themes:

- (a) Advances in the prediction of dust and sand storms;
- (b) Advances in numerical weather prediction in the tropics with particular emphasis on forecast of tropical cyclones;
- (c) Status of seasonal predictions.

7.3.2 The Council noted that, in order to ensure full participation and interest, the number of lectures be limited to three. The Secretary-General was requested to make the necessary arrangements for the preparation of these lectures.

7.4 WORLD METEOROLOGICAL DAY, THEME FOR 1997 (agenda item 7.4)

The Executive Council decided that the theme for the World Meteorological Day (WMD) in 1997 would be "Weather and water in cities".

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 forty-sixth session.

ANNUAL REPORT OF THE INTERNATIONAL CIVIL SERVICE COMMISSION

7.5.2 The Council took note of the twentieth annual report of the International Civil Service Commission, submitted in accordance with Article 17 of the Commission's Statute.

DESIGNATION OF MEMBERS ON THE STAFF PENSION COMMITTEE OF WMO

7.5.3 In compliance with paragraph (a) under **DECIDES** of Resolution 21 (EC-XXXV), the Council design-

ated T. Mohr, L. Ndorimana and G. E. Ortega Gil as members and C. Wetz as alternate member of the WMO Staff Pension Committee during the period between Twelfth Congress and Thirteenth Congress.

REPORT ON STAFF APPOINTMENTS, PROMOTIONS, NOMINATIONS AND TRANSFERS

7.5.4 In accordance with Article 21 (b) of the Convention, the Executive Council examined and approved the appointments made by the Secretary-General since its forty-sixth session, as listed in Part A of Annex VII to this report.

7.5.5 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 listed in Part B of Annex VII to this report.

7.5.6 The Council further noted the promotions made by the Secretary-General since its last session, as listed in Part C of Annex VII to this report.

7.5.7 The Council also noted the transfers listed in Part D of Annex VII to this report.

7.6 FINANCIAL MATTERS (agenda item 7.6)

INTERIM FINANCIAL REPORT OF THE SECRETARY-GENERAL

7.6.1 The Executive Council noted the information submitted by the Secretary-General at Twelfth Congress in his interim financial report regarding the financial situation for the eleventh financial period.

7.6.2 The Council appreciated the efforts of the WMO/UN Economic and Social Commission for Asia and the Pacific (ESCAP) Panel on Tropical Cyclones for the Bay of Bengal and the Arabian Sea for establishment of a Trust Fund based on voluntary cash annual contributions from Members of the Panel. It noted the Rules of the Panel on Tropical Cyclones Trust Fund adopted by the Panel, and endorsed the establishment of the Trust Fund by WMO.

NEW WMO HEADQUARTERS BUILDING

7.6.3 Following the meeting of the EC Committee on the WMO Headquarters Building held on 23 June 1995, the Executive Council recalled the necessity that the maximum cost of the project not exceed SFR 105 million. The Council requested the Secretary-General to provide all the elements necessary to evaluate the credibility of the financial plan, and in particular with respect to the maximum annual cost to Members of SFR 1.5 million during the lifetime of the mortgage, as soon as possible to members of the EC Committee on the WMO Headquarters Building. The Secretary-General was further requested, following calls for tenders for Phase III, to confirm contracts of contractors only after advice had been sought from the Chairman of the EC Committee on the WMO Headquarters Building.

7.7 1996-1997 BUDGET FOR SECRETARIAT SUPPORT TO THE TECHNICAL COOPERATION PROGRAMME (agenda item 7.7)

7.7.1 The Executive Council recognized that the Technical Cooperation Programme should be a priority activity of WMO which should have certain core

functions supported by the regular budget, in accordance with the decisions of Twelfth Congress as reflected in its final report, paragraphs 4.2.3 and 8.13 of the general summary.

7.7.2 The Council noted that, during the biennium 1996–1997, the income from the support costs to be derived from the implementation of projects funded through the United Nations Development Programme (UNDP), Trust Funds and other arrangements was not known. Estimates showed that it was likely to be insufficient to meet the corresponding costs for Secretariat support to the Technical Cooperation Programme. The Council therefore authorized the use of regular budget funds to meet the deficit in accordance with the authorization of Twelfth Congress reflected in its final report, paragraphs 8.12 and 8.13 of the general summary.

7.7.3 The Council adopted Resolution 9 (EC-XLVII).

8. DATE AND PLACE OF THE FORTY-EIGHTH AND FORTY-NINTH SESSIONS OF THE EXECUTIVE COUNCIL (agenda item 8)

8.1 The Executive Council confirmed that the forty-eighth session of the Council would be held in Geneva from 11 to 21 June 1996.

8.2 The Council agreed tentatively that the forty-ninth session of the Council would be held in Geneva from 10 to 21 June 1997.

9. CLOSURE OF THE SESSION (agenda item 9)

The forty-seventh session of the Executive Council closed at 6:40 p.m. on 23 June 1995.

RESOLUTIONS ADOPTED BY THE SESSION

RESOLUTION 1 (EC-XLVII)

EC WORKING GROUP ON LONG-TERM PLANNING

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Resolution 29 (Cg-XII) — Fourth WMO Long-term Plan,
- (2) Resolution 30 (Cg-XII) — Preparation of the Fifth WMO Long-term Plan for 2000–2009, through which Congress decided, *inter alia*, that the Fifth WMO Long-term Plan should be prepared in a more appropriately streamlined and integrated manner,

DECIDES:

- (1) To establish a Working Group on Long-term Planning with the following terms of reference:
 - (a) To review the WMO planning process in the light of the decisions of Twelfth Congress and prepare a report for consideration by the forty-eighth session of the Executive Council, including:
 - (i) Recommended revisions to the guidelines for monitoring and evaluation of WMO long-term plans and for the preparation of the Fifth WMO Long-term Plan, in particular the proposed level of detail in, and structure of, the future Plan;
 - (ii) Preliminary proposals for the future policies, strategy and priorities of the Organization;
 - (iii) Preliminary proposals for the programme structure of WMO for use in the Fifth WMO Long-term Plan and the Secretary-General's programme and budget proposals for the thirteen financial period;

(b) To generally guide and supervise the preparation of the Fifth WMO Long-term Plan on behalf of the Executive Council;

(c) To assist the Executive Council during its fiftieth session:

(i) To evaluate progress towards achievement of the established targets and main long-term objectives of WMO programmes over the period 1994–1997 covered by the relevant parts of the Third and Fourth WMO Long-term Plans;

(ii) To review the draft of the Fifth WMO Long-term Plan;

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

A. A. Al-Gain – Saudi Arabia

A. Bedritsky – Russian Federation

J.-P. Beyson – France

E. W. Friday* – United States

P. Leyva-Franco – Colombia

G. A. McBean – Canada

E. A. Mukolwe* – Kenya

N. Sen Roy – India

Zou Jingmeng – China

DESIGNATES N. Sen Roy as chairman of the working group;

REQUESTS the Secretary-General to provide the necessary Secretariat support to this working group.

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

* Task team on Reviewing WMO Structure.

RESOLUTION 2 (EC-XLVII)

EC ADVISORY GROUP OF EXPERTS ON TECHNICAL COOPERATION

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Resolution 23 (Cg-XII) — The WMO Voluntary Cooperation Programme,
- (2) Resolution 24 (Cg-XII) — Organization and Funding of the Technical Cooperation Programme,

(3) Paragraph 10.13 of the general summary of the final report of the forty-sixth session of the Executive Council,

(4) Paragraphs 4.2.14 and 4.2.15 of the general summary of the abridged final report of Twelfth Congress,

CONSIDERING the need for a 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 (VCP),

ESTABLISHES an 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:

- (1) To advise on policy regarding all technical cooperation matters, including the Voluntary Cooperation Programme, the level of funding and implementation of technical cooperation, mobilization of resources, and the overall structure and execution of the Programme;
- (2) To advise on identification and 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;
- (3) To study and advise on new and existing opportunities for activities in technical cooperation, including new approaches and new sources of external funding;
- (4) To advise on current trends regarding priorities of external funding sources, potential funding organizations, and methods of access to funding;
- (5) To advise on the performance of technical cooperation activities in support of other WMO Programmes;
- (6) With reference to the WMO Voluntary Cooperation Programme (VCP), in particular:
 - (a) To advise on further enhancement of the management and efficiency of VCP; and

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

(7) To promote technical cooperation activities;

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

- | | | |
|----------------|---|-------------------------------|
| A. Athayde | – | Brazil |
| C. E. Berridge | – | British Caribbean Territories |
| S. Karjoto | – | Indonesia |
| K. Konaré | – | Mali |
| I. Obrusnik | – | Czech Republic |
| Zou Jingmeng | – | China |

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

DESIGNATES C. E. Berridge as chairman of the advisory group of experts;

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

- (1) May seek advice from, or invite to its meetings, experts or representatives of Members, professional bodies or external funding sources, as it finds necessary;
- (2) Should follow the traditional procedures of such WMO bodies, seeking to formulate its proposals through a consensus of views;
- (3) Should meet at least twice during the twelfth financial period with its first meeting to occur prior to the forty-eighth session of the Executive Council;
- (4) 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 18 (EC-XLIII), which is no longer in force.

RESOLUTION 3 (EC-XLVII)

REVIEWING THE IMPLEMENTATION AND IMPACTS OF THE TWELFTH CONGRESS RESOLUTION ON THE WMO POLICY AND PRACTICE FOR THE EXCHANGE OF METEOROLOGICAL AND RELATED DATA AND PRODUCTS INCLUDING GUIDELINES ON THE RELATIONSHIPS IN COMMERCIAL METEOROLOGICAL ACTIVITIES

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) The actions requested by Congress in paragraphs 11.4.7, 11.4.8, 11.4.9, 11.4.10 and 11.4.16 in the general summary of the final report of Twelfth Congress,

INVITES:

- (1) The president of the Commission for Basic Systems, in collaboration with the other technical

commissions as appropriate, to provide advice and assistance on the technical aspects of implementation of the resolution;

- (2) The president of the Commission for Hydrology to continue work on the issue of commercialization and the international exchange of hydrological data and products and provide a report to the forty-ninth session of the Executive Council;

DECIDES:

- (1) To establish a small Advisory Group on the Exchange of Meteorological and Related Data and Products to:
 - (a) Keep the implementation of Resolution 40 (Cg-XII) under review;

- (b) Provide advice, as appropriate, on the preparation of explanatory information and reports on the impacts of commercialization and the implementation of the resolution;
- (2) That the following should serve as members of the advisory group:
- | | | |
|-------------------|---|--------------------------------|
| M. Bautista-Pérez | – | Spain |
| A. Bedritsky | – | Russian Federation |
| J.-P. Beysson | – | France |
| B. K. Cheang | – | Malaysia |
| E. W. Friday | – | United States |
| J. C. R. Hunt | – | United Kingdom |
| M. S. Mhita | – | United Republic of
Tanzania |
| K. Ninomiya | – | Japan |
| G. C. Schulze | – | South Africa |
| R. A. Sonzini | – | Argentina |

DESIGNATES M. Bautista-Pérez as chairman of the advisory group;

REQUESTS the Secretary-General, with advice, as necessary, from the advisory group established under **DECIDES** (1), to:

- (1) Keep Members informed on the impacts of commercialization on WMO Programmes and to facilitate the exchange of relevant information on commercialization among national Meteorological Services;
- (2) Report on a timely basis to all Members on those meteorological and related data and products on which Members have placed conditions related to their re-export for commercial purposes;
- (3) Maintain effective coordination with the Intergovernmental Oceanographic Commission (IOC) and other involved international organizations in respect of joint programmes during WMO's implementation of the practice;
- (4) Monitor the implementation of Resolution 40 (Cg-XII) by Members and report progress to the Executive Council;
- (5) Prepare a report on the issues for the forty-eighth session of the Executive Council.

RESOLUTION 4 (EC-XLVII)

REPORT OF THE EXTRAORDINARY SESSION (1994) OF THE COMMISSION FOR BASIC SYSTEMS

THE EXECUTIVE COUNCIL,

HAVING CONSIDERED the abridged final report of the extraordinary session (1994) of the Commission for Basic Systems (CBS),

DECIDES:

- (1) To note the report;
- (2) To note Resolutions 1 and 2 (CBS-Ext.(94));
- (3) To take action on each of the recommendations as follows:

Recommendation 1 (CBS-Ext.(94)) — CBS contribution to the Global Climate Observing System

- (a) Approves this recommendation;
- (b) Invites Members:
 - (i) To review, as regards practicability of implementation, the list of upper-air stations proposed as a baseline network for inclusion in the Global Climate Observing System (GCOS) Initial Operational System;
 - (ii) To give the stations in the baseline upper-air network high priority for implementation within the regional basic synoptic networks and to make long-term commitments to maintain and operate these stations;
 - (iii) To initiate, where necessary and possible, joint schemes for funding and managing observing systems to cover large data void areas to meet the needs of GCOS;

- (c) Requests CBS, especially through its Working Groups on Observations, Satellites and Data Management, to maintain close contact with the GCOS/JSTC and its panels and continue to play an active role in GCOS planning and implementation;

Recommendation 2 (CBS-Ext.(94)) — Proposed new Attachments I.3 and I.4 and amendments to Attachments II.2 and II.15 of the *Manual on the Global Data-processing System*

- (a) Approves this recommendation to take effect from 1 July 1995;
- (b) Requests the Secretary-General to incorporate these changes in the *Manual on the GDPS* and to make corresponding amendments to the *Manual on the Global Observing System* and the *Manual on the Global Telecommunication System*, where appropriate;
- (c) Authorizes the Secretary-General, in consultation with the president of CBS, to make any consequential editorial amendments to the *Manuals on GDPS, GOS and GTS*;

Recommendation 3 (CBS-Ext.(94)) — Provision of atmospheric transport model products for environmental emergency response

- (a) Approves this recommendation;
- (b) Invites the regional associations, in consultation with the Secretary-General, to develop training programmes on environmental

emergency response services to be provided by national Meteorological Services;

- (c) Requests the Secretary-General:
- (i) To bring the recommendation to the attention of the designated Regional Specialized Meteorological Centres (RSMCs);
 - (ii) To consult with the International Atomic Energy Agency (IAEA) with a view to the approval of the proposed new Regional and Global Arrangements for the Provision of Atmospheric Transport Model Products for Environmental Emergency Response;
 - (iii) To incorporate the substance of Annexes 1 and 2 to the recommendation in the *Manual on the GDPS*;

Recommendation 4 (CBS-Ext.(94)) — Amendments to the *Manual on the Global Observing System* — Parts II and III

- (a) Approves this recommendation on the understanding that the primary responsibility for the evaluation of the feasibility of meeting stated observational data requirements related to the Global Atmosphere Watch, and for the development of associated mandatory and guidance material, rests with the Commission for Atmospheric Sciences;
- (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 consequential editorial amendments to the *Manual on the GOS*;

Recommendation 5 (CBS-Ext.(94)) — Amendments to the *Manual on the Global Telecommunication System, Volume I, Parts I and II*

- (a) Approves this recommendation to take effect from 1 November 1995;
- (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 consequential editorial amendments to the *Manual on the GTS*;

Recommendation 6 (CBS-Ext.(94)) — Extensions to FM 94-IX BUFR for the representation of quality control information

Recommendation 7 (CBS-Ext.(94)) — Amendments to FM 63-IX BATHY

Recommendation 8 (CBS-Ext.(94)) — Amendments to FM 35-IX Ext. TEMP, FM 36-IX Ext. TEMP SHIP, FM 37-IX Ext. TEMP DROP, FM 38-IX Ext. TEMP MOBIL

Recommendation 9 (CBS-Ext.(94)) — New code form FM-X Ext. SYNOP MOBIL

Recommendation 10 (CBS-Ext.(94)) — New part C in the *Manual on Codes, Volume I: Common tables C-1 and C-2*

- (a) Approves these recommendations to take effect from 8 November 1995;
- (b) Requests the Secretary-General to incorporate the amendments and new codes in Volume I of the *Manual on Codes*;

Recommendation 11 (CBS-Ext.(94)) — Designation of a Regional Specialized Meteorological Centre on the provision of transport model products for environmental emergency response

- (a) Approves the designation of Melbourne as an RSMC with activity specialization in the provision of transport model products for environmental emergency response to Members of Regional Association V, upon request, with effect from 1 July 1995;
- (b) Requests the Member operating the RSMC to continue to make available its specialized products, as required, to Members concerned on a regional basis;
- (c) Requests the Secretary-General to arrange for information on the newly designated RSMC and its specialized products to be included in the *Manual on the GDPS*;

Recommendation 12 (CBS-Ext.(94)) — Designation of a Regional Specialized Meteorological Centre on tropical cyclones

- (a) Noting that the Global Telecommunication System (GTS) link Nadi-Melbourne had been upgraded as from 6 April 1995, approves the designation of the Meteorological Centre in Nadi, Fiji, as an RSMC with activity specialization in tropical cyclone analysis, tracking and forecasting;
- (b) Requests the Member operating the RSMC to:
 - (i) Continue to make available its specialized products, as required, to Members concerned on a regional basis;
 - (ii) Provide to the eleventh session of CBS a progress report on its upgrades for access and use of relevant data and for processing capabilities;
- (c) Requests the Secretary-General to arrange for the inclusion of the newly designated RSMC and the outline of its specialized functions in the *Manual on the GDPS*;

Recommendation 13 (CBS-Ext.(94)) — 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 Resolutions 8 (EC-XLIII) and 4 (EC-XLV) need not be kept in force.

RESOLUTION 5 (EC-XLVII)

**REPORT OF THE ELEVENTH SESSION OF THE
COMMISSION FOR AGRICULTURAL METEOROLOGY**

THE EXECUTIVE COUNCIL,

HAVING CONSIDERED the abridged final report of the eleventh session of the Commission for Agricultural Meteorology (CAgM),

NOTES:

- (1) The report;
- (2) Resolutions 1 to 18 (CAgM-XI);

DECIDES to take the following actions on the recommendations:

Recommendation 1 (CAgM-XI) — National reports on progress made in agricultural meteorology

- (a) Approves this recommendation, except for item 2(c);
- (b) Requests the Secretary-General:
 - (i) To bring the recommendation to the attention of Members;

- (ii) To take appropriate action for the preparation of national reports on progress made in agricultural meteorology by Members, and publication of the summaries when received;

Recommendation 2 (CAgM-XI) — Review of resolutions of the Executive Council based on previous recommendation of the Commission for Agricultural Meteorology

(Action on this recommendation to be taken by the Executive Council at its next session when reviewing its previous resolutions.)

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

RESOLUTION 6 (EC-XLVII)

**REPORT OF THE TENTH SESSION OF THE
COMMISSION FOR AERONAUTICAL METEOROLOGY**

THE EXECUTIVE COUNCIL,

NOTING the report of the tenth session of the Commission for Aeronautical Meteorology (CAeM),

DECIDES:

- (1) To note Resolutions 1 to 7 (CAeM-X);
- (2) To take action on the recommendations as follows:

Recommendation 1 (CAeM-X) — Technical Regulations, Volume II [C.3.3] — Format and preparation of flight documentation

- (a) Approves the recommendation;
- (b) Requests the Secretary-General:
 - (i) To arrange for the inclusion of the amendments, as contained in the Annex to Recommendation 1 (CAeM-X) of the final report of the tenth session of CAeM (WMO-No. 818), in the WMO *Technical Regulations*, Volume II [C.3.3];
 - (ii) To invite the International Civil Aviation Organization (ICAO) to replace, on the agreed applicability date, the Appendix to ICAO Annex 3 by the amendments as contained in the Annex to Recommendation 1 (CAeM-X) of the final report of the tenth session of CAeM (WMO-No. 818) and including the changes authorized by the president of CAeM;

Recommendation 2 (CAeM-X) — National Deviations from the WMO Aeronautical Meteorological Codes

- (a) Approves the recommendation;
- (b) Urges Members to make every effort to adhere to the international codes as contained in the WMO *Manual on Codes*, Volume I;

Recommendation 3 (CAeM-X) — Definitions of precipitation intensity and well-developed dust/sand whirls (dust devils) and funnel clouds

- (a) Approves the recommendation;
- (b) Requests the president of the Commission for Basic Systems, in consultation with the presidents of CAeM and the Commission for Instruments and Methods of Observation, to study the question of defining light, moderate and heavy precipitation intensity and the question of well-developed dust/sand whirls (dust devils) and funnel clouds, with a view to developing definitions acceptable to the aviation community;

Recommendation 4 (CAeM-X) — Meteorological training for general aviation

- (a) Approves the recommendation;
- (b) Urges Members to give high priority to arranging the provision of training in relevant areas

of aeronautical meteorology to personnel engaged in general aviation including forecasters, briefing officers and pilots;

- (c) Requests Members to review the whole area of general aviation pilot training in meteorology with a view to ensuring that pertinent and safety-related topics are stressed without unnecessary or complicated scientific details;

Recommendation 5 (CAeM-X) — Terms of reference of the Commission for Aeronautical Meteorology

- (a) Notes that action on this recommendation has been taken by Twelfth Congress;

Recommendation 6 (CAeM-X) — Review of the resolutions of the Executive Council based on previous recommendations of the Commission for Aeronautical Meteorology

- (a) Approves the recommendation that Resolution 7 (EC-XLIII) and Resolution 6 (EC-XLIV) no longer be kept in force;

NOTING FURTHER:

- (1) The adoption on 17 March 1995 by the Council of ICAO of Amendment 70 to the International Standards and Recommended Practices, Meteorological Service for Air Navigation,
- (2) The prescription of 1 January 1996 as the date upon which the amendment becomes applicable,

CONSIDERING that ICAO Annex 3 and WMO *Technical Regulations* [C.3.1] should be aligned,

APPROVES the alignment of WMO *Technical Regulations* [C.3.1] with Amendment 70 to ICAO Annex 3 effective on 1 January 1996;

REQUESTS the Secretary-General to introduce the necessary amendments to the WMO *Technical Regulations*, Volume II [C.3.1].

NOTE: This resolution replaces Resolution 7 (EC-XLIII) and Resolution 6 (EC-XLIV), which are no longer in force.

RESOLUTION 7 (EC-XLVII)

**REPORT OF THE ELEVENTH SESSION OF
REGIONAL ASSOCIATION I (AFRICA)**

THE EXECUTIVE COUNCIL,

HAVING CONSIDERED the report of the eleventh session of RA I,

DECIDES:

- (1) To note the report;
- (2) To note Resolutions 1 to 23 (XI-RA I);
- (3) To note the actions taken by Twelfth Congress on Recommendation 3 (XI-RA I);

FURTHER DECIDES to approve Recommendations 1 and 2 (XI-RA I);

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

NOTE: This resolution replaces Resolution 10 (EC-XLIII), which is no longer in force.

RESOLUTION 8 (EC-XLVII)

BUDGET FOR THE BIENNIUM 1996–1997

THE EXECUTIVE COUNCIL,

NOTING:

- (1) Paragraph 6.5 of Article 6 and paragraph 7.7 of Article 7 of the Financial Regulations,
- (2) Resolution 31 (Cg-XII) — Maximum expenditures for the twelfth financial period,
- (3) Resolution 33 (Cg-XII) — Assessment of proportional contributions of Members for the twelfth financial period,

ADOPTS the budget for the biennium 1996–1997 as given in the annex to this resolution;

DECIDES that the contribution of Members will be assessed as defined in the annex to Resolution 33 (Cg-XII);

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

ANNEX TO RESOLUTION 8 (EC-XLVII)

**BUDGET FOR THE FIRST BIENNIUM (1996–1997) OF THE
TWELFTH FINANCIAL PERIOD**

<i>Revenue</i>	<i>(SFR'000)</i>	<i>Expenditures</i>	<i>(SFR'000)</i>
Contributions ⁽¹⁾	124 400.0	1. Policy-making organs	2 346.5
		2. Executive management	6 189.9
		3. Scientific and technical programmes	
		3.0 Overall coordination of the scientific and technical programmes	1 738.2
		3.1 World Weather Watch Programme	13 614.3
		3.2 World Climate Programme ⁽²⁾	11 948.1
		3.3 Atmospheric Research and Environment Programme	7 041.4
		3.4 Applications of Meteorology Programme	6 579.3
		3.5 Hydrology and Water Resources Programme	5 621.2
		3.6 Education and Training Programme	7 282.7
		3.7 Regional Programme	6 286.8
		Sub-total Part 3	60 112.0
		4. Technical Cooperation Programme	5 317.8
		5. Programme support services and publications	25 315.1
		6. Administration	23 314.6
		7. Other budgetary provisions	1 804.1
		8. Acquisition of capital assets — Headquarters building	– 0 –
	124 400.0		124 400.0

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

(2) In addition, ICSU and IOC are expected to contribute an amount of at least US \$200 000 each annually to the Joint Climate Research Fund. See also paragraph 6.5 of the general summary.

RESOLUTION 9 (EC-XLVII)

**1996–1997 BUDGET FOR SECRETARIAT SUPPORT TO THE
TECHNICAL COOPERATION PROGRAMME**

THE EXECUTIVE COUNCIL,

CONSIDERING that:

- (1) The Technical Cooperation Programme is an integral element of the mission of WMO,
- (2) WMO is involved in the implementation, on a regular basis, of technical assistance projects and programmes funded through the United Nations Development Programme (UNDP) and other sources such as Trust Funds,

NOTING:

- (1) Congress decisions on the organization and funding of the Technical Cooperation Programme (Resolution 24 (Cg-XII) and the final report of Twelfth Congress, general summary, paragraphs 8.12 and 8.13),

- (2) The estimated 1996–1997 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 technical cooperation activities in 1996–1997,

APPROVES the budget for 1996–1997 of SFR 5.9 million; **AUTHORIZES** the Secretary-General to make distribution of the above budget amount between parts of the budget in the annex to this Resolution in consultation with the EC Advisory Group of Experts on Technical Cooperation and subject to the approval of the President of WMO.

ANNEX TO RESOLUTION 9 (EC-XLVII)

**1996–1997 BUDGET FOR SECRETARIAT SUPPORT TO THE
WMO TECHNICAL COOPERATION PROGRAMME**

<i>Revenue</i>	<i>(SFR'000)</i>	<i>Expenditure⁽⁴⁾</i>	<i>(SFR'000)</i>
1. UNDP	960.0 ⁽¹⁾	1. Policy-making organs	
2. Other extra-budgetary resources (trust funds, etc.)	1,940.0 ⁽²⁾	2. Executive management	
3. Regular budget contribution	3,000.0 ⁽³⁾	3. Scientific and technical programmes	
		4. Technical Cooperation Programme	
		5. Programme support services	
		6. Administrative support	
		7. Other budgetary provisions	
		8. Acquisition of capital assets, Headquarters building	
TOTAL	5,900.0		5,900.0

NOTES

- (1) Based on total estimated delivery of US \$5,800,000 for the biennium.
- (2) Based on total estimated delivery of US \$11,500,000 for the biennium.
- (3) The conditions and limitations on this contribution were those decided by Twelfth Congress (see the final report of Twelfth Congress, general summary, paragraphs 8.12 and 8.13).
- (4) Amounts for various parts of the budget will be determined in accordance with **AUTHORIZES** of Resolution 9 (EC-XLVII).

ANNEXES

ANNEX I

Annex to paragraph 2.8 of the general summary

MEMBERSHIP OF EC PANELS AND OTHER BODIES REPORTING TO THE EXECUTIVE COUNCIL

EC Advisory Group of Experts on Technical Cooperation

C. E. Berridge (chairman)	– British Caribbean Territories
A. Athayde	– Brazil
S. Karjoto	– Indonesia
K. Konaré	– Mali
I. Obrusnik	– Czech Republic
Zou Jingmeng	– China

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

EC Panel of Experts on Education and Training

J. W. Zillman (chairman)	– Australia
H. Abu-Taleb	– Egypt
J. Chou	– China
C. Garcia-Legaz	– Spain
F. GNoumou	– Niger
S. Khodkin	– Russian Federation
H. Pinheiro	– Brazil
R. Riddaway	– United Kingdom
D. Rousseau	– France
T. Spangler	– United States

EC Panel of Experts/CAS Working Group on Environmental Pollution, Atmospheric Chemistry and Urban Environment*

D. Whelpdale (chairman)	– Canada
G. Ayers	– Australia
H. Dovland	– Norway
D. Ehhalt	– Germany
J. Gille	– United States
B. Hicks	– United States
I. Nazarov	– Russian Federation
S. Penkett	– United Kingdom
E. Sanhueza	– Venezuela
H. Yoshikawa	– Japan
A. Zerefos	– Greece

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

H. Orville (chairman)	– United States
M. T. Abshaev	– Russian Federation
J. P. Chalon	– France
J. R. De Grado	– Spain
G. Isaac	– Canada
Z. Levin	– Israel*
Ma Peimin	– China
A. S. R. Murty	– India
H. Pruppacher	– Germany
D. Terblanche	– South Africa*

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 which have not yet acceded to the Treaty but have active meteorological programmes in the Antarctic. The present membership is as follows:

N. A. Stretten (chairman)	– Australia
M. J. Atkins	– United Kingdom
S. Auzeneau	– France
G. D. Cartwright	– United States
J. M. Cisneros	– Spain
C. del Carmen	– Peru
B. G. Echeverria	– Uruguay
J. E. Ferreira Neiva	– Brazil
V. I. Kalatsky	– Russian Federation
H. Kelder	– The Netherlands
M. Kristensen	– Norway
P. A. Leroux	– South Africa
Ma Henian	– China
M. Mietus	– Poland
H. R. Munoz	– Chile
S. Nichol	– New Zealand
M. Romain	– Argentina
W. Seifert	– Germany
J. Shiino	– Japan
R. Sorani	– Italy
P. Taalas	– Finland
(to be nominated)	– India

* Subject to CAS concurrence

EC Working Group on Long-term Planning

N. Sen Roy	– India
(chairman)	
A. A. Al-Gain	– Saudi Arabia
A. Bedritsky	– Russian Federation
J.-P. Beysson	– France
E. W. Friday*	– United States
P. Leyva-Franco	– Colombia
G. A. McBean	– Canada
E. A. Mukolwe*	– Kenya
Zou Jingmeng	– China

EC Advisory Group on the Exchange of Meteorological and Related Data and Products

M. Bautista-Pérez	– Spain
(chairman)	
A. Bedritsky	– Russian Federation
J.-P. Beysson	– France
B. K. Cheang	– Malaysia
E. W. Friday	– United States
J. C. R. Hunt	– United Kingdom
M. S. Mhita	– United Republic of Tanzania
K. Ninomiya	– Japan
G. C. Schulze	– South Africa
R. A. Sonzini	– Argentina

EC Committee on the WMO Headquarters Building

J.-P. Beysson	– France
(chairman)	
Z. Batjargal	– Mongolia
W. Castro Wrede	– Paraguay
A. B. Diop	– Senegal
S. Karjoto	– Indonesia
G. A. McBean	– Canada
K. Ninomiya	– Japan
S. Pollonais	– Trinidad and Tobago
P. Steinhäuser	– Austria

JOINT BODIES**WMO/ICSU/IOC Joint Scientific Committee for the World Climate Research Programme**

As of 1 June 1994, the membership of the Committee was as follows:

W. L. Gates	– United States
(chairman)	
A. Afouda	– Benin
J. C. André	– France
R. A. Clarke	– Canada
S. Gadgil	– India
G. S. Golitsyn	– Russian Federation
A. L. Gordon	– United States
B. Hoskins	– United Kingdom
P. Lemke	– Germany
J. D. Mahlman	– United States
M. Manton	– Australia

A. D. Moura	– Brazil
R. T. Pollard	– United Kingdom
I. A. Shiklomanov	– Russian Federation
Su Jilan	– China
A. Sumi	– Japan
T. Yamagata	– Japan
Zeng Qing-cun	– China

Coordinating Committee for the World Climate Programme

G. A. McBean	– (chairman)
B. Bolin	– Chairman, IPCC
R. Estrada-Oyuela	– Chairman, INC/FCCC
W. H. Gates	– Chairman, JSC
G. Glaser	– Representative of UNESCO
J. Houghton	– Chairman, JSTC for GCOS
G. Kullenberg	– Representative of IOC
P. S. Liss	– Chairman, ISCU Scientific Committee for IGBP
J. Marton-Lefèvre	– Representative of ICSU
J. Maunder	– Chairman, ACCAD
W. Soembrock	– Representative of FAO
P. Usher	– Representative of UNEP
C. C. Wallen	– Chairman, SAC
.....	– Representative of HDP
.....	– Representatives of World Data Centres A and B
.....	– Directors/managers of the components of the WCP and associated activities

Note: WMO nominees to an inter-agency coordinating body on the Climate Agenda

A. A. Al-Gain	– Saudi Arabia
J. C. R. Hunt	– United Kingdom
G. A. McBean	– Canada
Ms G. K. Ramothwa	– Botswana

WMO/IOC/ICSU/UNEP Joint Scientific and Technical Committee for the Global Climate Observing System

J. Houghton	– United Kingdom
(chairman)	
E. E. Balogun	– Nigeria
L. Bengtsson	– Germany
C. Caponi	– Venezuela
D. Cariolle	– France
Y. Haruyama	– Japan
Z. Kaczmarek	– Poland
C. Kennel	– United States
A. McEwan	– Australia
W. Nowlin	– United States
C. Readings	– The Netherlands
K. Taira	– Japan
A. A. Vasiliev	– Russian Federation
D. M. Whelpdale	– Canada
R. S. Winokur	– United States
X. Zhou	– China

* Task team on Reviewing WMO Structure

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

D. Kohnke – Germany
(chairman)

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

Joint WMO/IOC Data Buoy Cooperation Panel

D. Painting – United Kingdom
(chairman)

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

M. Glass – France
(chairman)

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

OTHER COMMITTEES AND BODIES**Meeting of Presidents of Technical Commissions**

D. J. Gauntlett – president of CAS
K. Hofius – president of CHy
J. Kruus – president of CIMO
W. J. Maunder – president of CCI
R. J. Shearman – president of CMM
C. H. Sprinkle – president of CAeM
C. J. Stigter – president of CAgM
A. A. Vasiliev – president of CBS

Selection Committee for the IMO Prize

J. Zielinski – Poland
(chairman)
M. S. Mhita – United Republic of Tanzania
A. M. Noorian – Iran, Islamic Republic of
R. A. Sonzini – Argentina

Selection Committee for the WMO Research Award for Young Scientists

A. Bedritsky – Russian Federation
B. K. Cheang – Malaysia
P. Leyva-Franco – Colombia
Ms G. K. Ramothwa – Botswana

Selection Committee for the Professor Dr Vilho Vaisala Award

E. W. Friday – United States
(chairman)
J. Kruus – president of CIMO
I. Obrusnik – Czech Republic

Selection Committee for the Norbert Gerbier-MUMM International Award

C. A. Igeleke – Nigeria
(chairman)
Z. Alpersen – Israel
C. J. Stigter – president of CAgM

WMO Staff Pension Committee

T. Mohr – Germany
L. Ndorimana – Burundi
G. E. Ortega Gil – Mexico
C. Wetz – Germany
(alternate)

ANNEX II

Annex to paragraph 5.1 of the general summary

REVISED GUIDELINES FOR ADVICE AND ASSISTANCE RELATED TO THE PLANNING OF WEATHER MODIFICATION ACTIVITIES

1. These guidelines are addressed to Members requesting advice or assistance on weather modification activities. They include recommendations that are based on present knowledge gained through the results of worldwide theoretical studies as well as laboratory and field experiments. A synthesis of the main basic concepts and main results obtained in the weather modification programmes is given in the "WMO Statement on the Status of Weather Modification". This statement was revised during the seventeenth session of the Executive Council Panel of Experts/CAS Working Group on Physics and Chemistry of Clouds and Weather Modification Research and was approved by the forty-fourth session of the Executive Council in June-July 1992.

2. Members wishing to develop activities in the field of weather modification should be aware that this domain still remains largely in the realm of research. Operational programmes should be conducted with recognition of the risks inherent in a technology which is not totally developed. It should not be ignored that under certain conditions seeding may be ineffective or may even enhance an undesirable effect (increase of hail, reduction in rain). However, properly designed and conducted projects seek to detect and minimize such adverse effects. It is recognized that scientific evaluation may be a difficult task, but this is the only way presently known to avoid negative results, quantify positive economic effects, and allow improvements in the under-

standing and methodology that is used. The revised WMO Statement on the Status of Weather Modification referred to in paragraph 1 distinguishes the various types of weather modification and the degree of confidence one has in obtaining the desired effect from cloud seeding. The confidence levels range from very high for operational dissipation of supercooled fog, to moderate for increasing snowfall from orographic clouds, to very low for suppressing hail from complex super cell storms.

3. WMO recommends that operational precipitation cloud seeding projects be designed to allow evaluation of the results of seeding through physical measurements, and statistical controls associated with some randomization of the seeding events. Such programmes should be planned on a long-duration basis because precipitation variability is generally much greater than the increases or decreases claimed for artificial weather modification. The use of numerical models may help in reducing the time required to evaluate the project.

4. WMO recommends that a detailed examination of the suitability of the site for cloud seeding should be conducted similar to that done in the Precipitation Enhancement Project (PEP), for which WMO reports are available. To increase the chances of success in a specific situation, it should be verified through preliminary studies, if:

- The climatology of clouds and precipitation at the site indicates the possibility of favourable conditions for weather modification;
- Conditions are suitable for the available modification techniques;
- Modelling studies support the proposed weather modification hypothesis;
- For the frequency with which suitable conditions occur, the changes resulting from the modification technique can be detected at an acceptable level of statistical significance;
- An operational activity can be carried out at a cost acceptably lower than the socio-economic benefit that is likely to result.

5. Weather modification procedures for short-term drought relief should be viewed with much scepticism. If nature does not provide conditions that can be modified to produce more precipitation, then humanity has no

ability to increase precipitation. In the extreme, for an obvious example, if there is no cloud there is no potential. However, studies have shown that in certain areas the clouds observed during drought include inefficient but seedable clouds. If this is the case, there will be some utility in a cloud seeding programme when reliable techniques are achieved and knowledge is improved of the exact possibilities to modify beneficially the clouds in arid periods. On the other hand, if natural conditions are favourable for precipitation, it is unreasonable to expect that presently known weather modification methods can dissipate clouds.

6. It should be stated that all prospective studies require expert judgement and that results will depend not only on the site chosen, but also on the season and duration of the activity.

7. There are no quantitative criteria for the acceptance of the results of a weather modification experiment. Acceptance will depend on the degree of the scientific objectivity and the consistency with which the experiment was carried out and the degree to which this is demonstrated. Also important are the physical plausibility of the experiment, the degree to which bias is excluded from the conduct and analysis of the experiment, and the degree of statistical significance achieved. There have been few weather modification experiments that have met the requirements of the scientific community with respect to these general criteria. However, there are hopeful signs that, with the use of high technology equipment, better numerical cloud models, improved statistical tests, and more field experiments, further scientific progress will be obtained in the area of weather modification.

8. The Members should be aware that the scope of efforts involved in the design, conduct or evaluation of a weather modification programme precludes the WMO Secretariat from giving detailed advice. However, if requested, the Secretary-General may assist (by obtaining advice from scientists on other weather modification projects or with special expertise) on the understanding that:

- (i) Costs will be met by the requesting country;
- (ii) The Organization can take no responsibility for the consequences of the advice;
- (iii) The Organization accepts no legal responsibility in any dispute that may arise.

ANNEX III

Annex to paragraph 5.13 of the general summary

ALLOCATIONS, MEMBERS' CONTRIBUTIONS AND LIST OF COORDINATED PROGRAMMES FOR THE VOLUNTARY COOPERATION PROGRAMME**A. VCP(F) STATUS AND FUTURE ALLOCATIONS (IN US \$)**

<i>Currently active projects and new proposed projects</i>	<i>Allocations approved for 1994-1995</i>	<i>Adjustment by Secretary-General</i>	<i>Expenditures 1994-1995 (excluding admin. costs)</i>	<i>Balance (31/12/94)</i>	<i>Proposed reallocation</i>	<i>Proposed additions/deletions</i>	<i>Balance after expected new donations</i>
1. VCP spares/shipping of equipment in good working condition	68 609	10 000	28 452	50 157	—	60 000	110 157
2. Expert services	41 189	—	12 036	29 153	—	10 000	39 153
3. Short-term fellowships	201 225	—	190 003	11 222	—	120 000	131 222
4. TCDC activities	91 896	-10 000	73 909	7 987	—	60 000	67 987
5. Improvement of GTS	50 000	-7 500	13 098	29 402	341	30 000	59 743
5.1 Improve GTS Caribbean	49 059	—	0	49 059	—	—	49 059
5.2 Improve GTS Asia/Pacific	7 121	—	0	7 121	—	—	7 121
5.3 Improve GTS Africa	79 863	—	24 586	55 277	—	20 000	75 277
5.4 Improve GTS South America	12 187	—	11 264	923	—	10 000	10 923
5.5 Improve GTS SE RA VI	34 546	—	0	34 546	—	—	34 546
5.6 Improve GTS Central and Eastern Europe/Newly Independent States (NIS)	35 713	-4 500	0	31 213	—	20 000	51 213
5.7 Bulgaria TE/5/1	340	—	0	340	-340	—	0
5.8 OWSE/AF	257	—	256	1	-1	—	0
6. Improvement of upper-air observing subsystem of GOS and GCOS	37 670	-5 000	2 977	29 693	107 864	89 866	227 423
6.1 Upper-air station in Galapagos (TOGA and GCOS)	51 121	-7 000	0	44 121	-44 121	—	0
6.2 Upper-air station in Indonesia (TOGA and GCOS)	19 806	—	19 278	528	-528	—	0
6.3 Upper-air station in Papua New Guinea (TOGA and GCOS)	40 000	-5 000	0	35 000	-35 000	—	0
6.4 Upper-air station in Penhryn Island (TOGA and GCOS)	50 215	—	22 000	28 215	-28 215	—	0
6.5 Upper-air stations in Central and Eastern Europe/Newly Independent States (NIS)	80 000	12 000	0	92 000	—	30 000	122 000
7. Improvement of GDPS	—	—	—	—	—	80 000	80 000
8. Auto. SHARE Programme	17 934	-2 500	0	15 434	—	-15 434	0
9. Locust control in Africa	9 035	—	0	9 035	—	—	9 035
10. Support to CLICOM and climatological activities	44 299	-2 500	0	41 799	—	20 000	61 799
11. Mitigation of natural disasters (IDNDR)	18 216	—	20 230	-2 014	—	30 000	27 986
12. ASMC	76 957	-3 000	43 500	30 457	—	10 000	40 457
13. ACMAD	30 000	—	0	30 000	—	—	30 000
14. Operational hydrology activities	37 596	—	26 422	11 174	—	20 000	31 174
15. Improvement of satellite reception	10 000	—	0	10 000	—	—	10 000
16. Reserve	5 000	—	5 568	-568	—	5 568	5 000
TOTAL	1 199 854	-25 000	493 579	681 275	0	600 000	1 281 275

**B. MEMBERS' CONTRIBUTIONS TO THE WMO VOLUNTARY COOPERATION PROGRAMME IN 1994
(IN US \$)**

<i>Donor</i>	<i>VCP(F)</i>	<i>VCP(ES)* (including fellowships)</i>	<i>Total contribution</i>
Australia	—	4 500	4 500
Belgium	—	11 000	11 000
Bulgaria	—	36 310	36 310
Canada	—	93 500	93 500
China	—	220 980	220 980
Egypt	—	1 500	1 500
Finland	—	450 000	450 000
France	—	647 000	647 000
Germany	—	210 000	210 000
Hungary	—	34 200	34 200
India	—	121 050	121 050
Ireland	7 614	25 000	32 614
Japan	250 000	—	250 000
Malaysia	3 000	—	3 000
Mauritius	250	—	250
Myanmar	553	—	553
Netherlands	47 910	—	47 910
Netherlands Antilles	500	—	500
Norway	10 577	98 850	109 427
Pakistan	435	—	435
Portugal	—	72 000	72 000
Russian Federation	—	387 300	387 300
Spain	—	300 000	300 000
Ukraine	—	60 000	60 000
United Kingdom	32 626	1 475 150	1 507 776
United States	100 000	2 150 000	2 250 000
Total	453 465	6 398 340	6 851 805

* Information provided by Members.

C. LIST OF THE VCP COORDINATED PROGRAMMES

Automation of national Meteorological Centres (NMCs) in Region III

Improvement of the GTS in Region VI, including the development of the Regional Meteorological Data Communication Network (RMDCN)

Improvement of the GTS in the southern part of Region IV

Improvement of the global network of upper-air stations

Implementation of low-cost, low-resolution satellite data receivers

Support to the Tropical Cyclone Programme (TCP)

Support to the CLICOM and DARE programmes

Automation of NMCs in Region I, including the use of METEOSAT services

Training in the use of meteorological products with computer assisted learning (CAL) modes

ANNEX IV

Annex to paragraph 6.2 of the general summary

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

A. TO BE IMPLEMENTED IN 1996, THE FIRST YEAR OF THE BIENNIUM 1996–1997

<i>1996 Budget code</i>		<i>1996 Budget code</i>	
PANELS, WORKING GROUPS, STUDY GROUPS AND MEETINGS OF EXPERTS (1996)			
	Part 1		
1.03.220	(a) EC Working Group on Long-term Planning	31.51.021	(m) Expert Meeting on the Definition and Planning of an OWSE
1.05.020	(b) Financial Advisory Committee	31.60.020	(n) CIMO Advisory Working Group
		31.61.063	(o) International Organizing Committee for WMO Intercomparison
	Part 3, Section 0	31.70.020	(p) Second session of the CBS Working Group on Satellites
30.01.020	Meeting of Presidents of Technical Commissions	31.80.020	(q) ESCAP/WMO Typhoon Committee — twenty-ninth session
	Part 3, Section 1	31.80.021	(r) WMO/ESCAP Panel on Tropical Cyclones — twenty-third session
31.00.020	(a) CBS Advisory Working Group — twentieth session	31.80.022	(s) RA IV Hurricane Committee — eighteenth session
31.00.021	(b) Meeting of the Advisory Group on the Exchange of Meteorological and Related Data and Products		
			Part 3, Section 2
31.02.020	(c) Expert Meeting to review and update Telecommunication Arrangements in the Antarctic	32.02.021	(a) Expert Meeting on Evaluation of Status of National Climate Programmes
31.12.021	(d) Data Buoy Cooperation Panel — twelfth session	32.11.020	(b) Session of the Advisory Committee on Climate Applications and Data (ACCAD)
31.14.020	(e) Expert Meeting on Design and Implementation of a Global Baseline Upper-air Network	32.11.021	(c) Session of the Coordinating Committee for the WCP (CCWCP)
31.21.021	(f) Restricted Session of Study Group on Radiofrequency Coordination	32.13.020	(d) Meeting of Senior Representatives of International Organizations
31.22.023	(g) Session of the WG/TEL/Study Group on Operational Matters	32.31.020	(e) CCI Working Group on Climate Change Detection
31.24.020	(h) Expert Meeting on Specific Telecommunication Systems	32.31.021	(f) Expert Meeting on the Evaluation of Reference Climatological Station Networks
31.31.022	(i) Expert Meeting on Development and Update of Specifications for Data-processing Facilities and Services at GDPS Centres	32.32.020	(g) Expert Meeting to prepare Biennial Review of Global Climate
31.41.020	(j) Expert Meeting to review Data Management Requirements	32.33.020	(h) Regional Meeting on CLICOM Implementation*
31.43.020	(k) Meeting of the CBS WGDM Sub-Group on Data Representation and Codes	32.34.020	(i) Regional Meeting on the Exchange of Climate Data and Products*
31.51.020	(l) Expert Meeting on Standardized Interfaces and Data Format	32.35.021	(j) Regional Meeting on Climate Data Management*
		32.41.020	(k) CCI Working Group on Operational Use of Climatological Knowledge

* The Executive Council requested the Secretary-General to consider the high priority of conducting these climate related activities in RA I and RA V within the allocations available for such events in the twelfth financial period.

1996 Budget code		1996 Budget code	
32.43.021	(l) Task Force for planning further TRUCE Development	34.42.020	(f) CMM Sub-Group on Marine Climatology — seventh session
	Part 3, Section 3	34.43.021	(g) Sixth Meeting of Managers of IGOSS Ship-of-Opportunity Programme
33.01.020	(a) CAS/JSC Working Group on Numerical Experimentation		Part 3, Section 5
33.11.020	(b) Expert Meeting on Ozone Data Handling	35.01.020	(a) CHy Advisory Working Group
33.12.020	(c) Expert Meeting on a technical subject of GAW	35.12.023	(b) Expert Meeting on Groundwater Monitoring
33.13.032	(d) Expert Meeting of Regional Air Pollution Modelling	35.21.022	(c) Planning Meeting for Project on Intercomparison of Forecasting Models for Large Rivers
33.14.020	(e) Expert Meeting on Quality Assurance	35.22.022	(d) Expert Meeting on Hydrological Data for Climate Studies
33.16.031	(f) Expert Meeting on Ozone Assessment	35.31.020	(e) Session of STEND Advisory Committee
33.21.020	(g) CAS Working Group on Very Short- and Short-range Weather Prediction Research	35.31.021	(f) Planning Meeting on Joint WMO/UNESCO Projects
33.32.020	(h) CAS Working Group on Medium- and Long-range Weather Prediction Research		Part 3, Section 6
33.41.021	(i) CAS Working Group on Tropical Meteorology Research	36.01.020	EC Panel of Experts on Education and Training
33.50.021	(j) Expert Meeting on Cloud Modelling		Part 3, Section 7
	Part 3, Section 4	37.02.020	(a) Session of Working Group on Planning and Implementation of WWW in RA I
34.21.020	(a) CAgM Working Group on Validation of Information Requirements	37.02.021	(b) RA V Tropical Cyclone Committee — sixth session
34.25.021	(b) Expert Meeting on Drought Preparedness and Management	37.06.022	(c) Regional Pyrheliometer Comparison of RA III
34.41.021	(c) CMM <i>ad hoc</i> Group on GMDSS — first session	37.02.022	(d) Session of Working Group on Planning and Implementation of WWW in RA IV
34.41.022	(d) IGOSS Group of Experts on Operations and Technical Applications — fourth session		Part 4
34.41.023	(e) Joint IOC/WMO/CPPS Working Group on El Niño — eighth session	44.20.020	(a) EC Advisory Group of Experts on Technical Cooperation
		44.20.021	(b) Informal Planning Meeting on the WMO Voluntary Cooperation Programme

IMPLEMENTATION COORDINATION MEETINGS (1996)

	Part 3, Section 1		Part 3, Section 3
31.21.022	(a) Implementation Coordination Meeting on the Structure of the GTS	33.15.023	Implementation Coordination Meeting on Application of GAW Data
31.41.021	(b) Inter-programme Data Management Coordination Meeting		Part 3, Section 5
31.81.020	(c) TCP RSMCs Coordination Meeting	35.32.020	Inter-agency Coordination Meeting on Water Management Issues
31.91.020	(d) Coordination Meeting to plan and organize Exercises of Alert-Triggered Procedures at WWW Centres		Part 3, Section 7
		37.06.020	(a) Regional Implementation Coordination Meeting on the GTS in RA I
		37.06.020	(b) Regional Implementation Coordination Meeting on the GTS in RA V

<i>1996 Budget code</i>		<i>1996 Budget code</i>	
SYMPOSIA, TECHNICAL CONFERENCES, SEMINARS, WORKSHOPS AND TRAINING COURSES (1996)			
	Part 3, Section 0		
30.12.048	First Training Workshop for Information and Public Affairs — Focal Points in NMHSs	34.25.030	(e) Roving Seminar on Extreme Events
	Part 3, Section 1	34.45.031	(f) Symposium on Marine Pollution Transport Modelling
31.52.031	(a) Symposium on Implementation of Automated WWW Functions		Part 3, Section 5
31.72.031	(b) Symposium on CTW and Soundings	35.02.029	Workshop on Operational Hydrology in International River Basins
31.85.048	(c) Joint Workshop on Tropical Cyclone Disasters		Part 3, Section 6
31.87.048	(d) Joint Seminar on Meteorological and Hydrological Risk Assessment	36.24.050	(a) Regional Training Seminar for National Instructors of RA III and RA IV
31.91.048	(e) Training Seminar on Emergency Response Procedures	36.41.048	(b) WMO/UNOOSA Co-sponsored Training Seminar on Remote Sensing
	Part 3, Section 2	36.41.049	(c) Regional Training Seminar on Use of GDPS Products
32.42.029	(a) Three Roving Seminars focusing on Development of National Capacities in Provision of Operational Climate Services, including Climate Predictions	36.41.050	(d) Regional Training Seminar on GTS Techniques and Procedures
32.42.048	(b) Regional Training Workshop on Climate Applications and Services	36.41.051	(e) Workshop for Instrument Specialists
	Part 3, Section 3	36.41.052	(f) Training Course on Tropical Meteorology and Tropical Cyclone Forecasting
33.41.020	(a) Third ICTP/WMO International Workshop on Tropical Meteorology Research	36.41.053	(g) Training Seminar on Applications of Remote Sensing for Meteorology and Operational Hydrology
33.42.029	(b) International Workshop on Monsoons	36.42.048	(h) RA II/RA V CLICOM Training Seminar
	Part 3, Section 4	36.43.048	(i) International Training Workshop on Very Short-range Forecasting
34.14.020	(a) Workshop on Exchange and Coordination of Hazardous Weather Information, and improving Coordination between NMHSs and Media	36.44.050	(j) Training Seminar on Aeronautical Meteorology
34.22.030	(b) Two Roving Seminars on Use of Agrometeorological Data in Irrigation Scheduling	36.46.048	(k) RA III/RA IV Regional Training Workshop on Sediment Transport
34.23.030	(c) Roving Seminar on Data Management	36.46.049	(l) RA I Training Workshop on Atmospheric Composition Measurements
34.24.030	(d) Two Roving Seminars/Support to National Agrometeorological Services		Part 3, Section 7
		37.04.048	(a) RA I Seminar on Climate Applications and Services
		37.05.048	(b) Technical Conference on Management for Development of Meteorological Services in RA I

**WORKING GROUPS, STUDY GROUPS AND MEETINGS OF EXPERTS FINANCED FROM
WMO/ICSU/IOC JOINT CLIMATE RESEARCH FUND (JCRF) (1996)**

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| (a) Session of the WMO/ICSU/IOC Joint Scientific Committee for the WCRP | (d) Session of Inter-agency Ocean Study Panel (to coordinate activities in the Pacific Ocean Basin) |
| (b) Meeting of the Officers of the Joint Scientific Committee for the WCRP | (e) Two Sessions of Joint CAS/JSC Working Group on Numerical Experimentation |
| (c) Session of Inter-agency Ocean Study Panel (to coordinate activities in the Indian Ocean Basin) | (f) Two Sessions of Modelling Panel concerned with Monsoon Prediction |

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| <ul style="list-style-type: none"> (g) Session of Modelling Coordination Panel (h) Coordination Meeting on Data Re-analysis Projects (i) WCRP/GEWEX Panel on Radiative Fluxes (j) Meeting on Coordination of the WCRP Baseline Surface Radiation Network (k) Planning Meeting on Cloud-profiling Satellite Mission (l) WCRP/GEWEX Panel on Cloud System Studies (m) Session of Joint JSC/IGBP Working Group for International Coordination of Field Studies of Land-surface Processes (n) GEWEX Scientific Steering Group (o) Session of Science Panel for the GEWEX Continental-scale International Project (GCIP) (p) Workshop on Coordination of Regional GEWEX Field Studies (q) Implementation Planning Meeting for the WCRP International Satellite Cloud Climatology Project (r) Expert Meeting on Retrieval of Global Surface Radiation Data (s) Meeting on Retrieval of Water Vapour Data from Satellite Measurements (t) CLIVAR Scientific Steering Group (u) Meeting of CLIVAR Modelling Panel (v) Meeting of CLIVAR Panel on Inter-annual and Seasonal Prediction (CLIVAR-GOALS) | <ul style="list-style-type: none"> (w) Meeting of CLIVAR Panel on Decadal to Centennial Variability (CLIVAR DECCEN) (x) Implementation Planning Meeting on Global Ocean Data Management (y) Meeting of Experts on Interpretation of Palaeoclimatic Data (z) Session of Scientific Steering Group for the World Ocean Circulation Experiment (WOCE) (aa) Meeting of Officers of the WOCE Scientific Steering Group (ab) Coordination Meeting for the WOCE Gyre Dynamics Experiment (ac) Meeting of the WOCE Data Management Panel (ad) Meeting of WOCE Numerical Experimentation Group (ae) Session of Intergovernmental WOCE Panel (af) Session of Scientific Steering Group for the WCRP Arctic Climate System Study (ACSYS) (ag) Session of ACSYS Sea-ice/Ocean Modelling Panel (ah) Field Observation Coordination Meeting for ACSYS (ai) Meeting of Scientific Steering Group for WCRP Study of Stratospheric Processes and their Role in Climate (SPARC) (aj) Meeting on Stratospheric Physical-Chemical Modelling projects |
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B. TO BE IMPLEMENTED IN 1997, THE SECOND YEAR OF THE BIENNIUM 1996-1997

PANELS, WORKING GROUPS, STUDY GROUPS AND MEETINGS OF EXPERTS (1997)

<i>1997 Budget code</i>		<i>1997 Budget code</i>	
	Part 1	31.44.020	(g) Expert Meeting on Monitoring Procedures
1.05.020	Financial Advisory Committee	31.51.020	(h) Expert Meeting on the Automation of WWW Functions
	Part 3, Section 0	31.53.021	(i) Expert Meeting on Composite Observing Systems
30.01.021	(a) Meeting of Presidents of Technical Commissions	31.61.020	(j) CIMO Working Group on Surface Measurements
30.11.020	(b) IPA Journalists Seminar — Building Alliances and Mobilizing Partnerships with the Media	31.61.021	(k) CIMO Working Group on Upper-air Measurements
	Part 3, Section 1	31.61.023	(l) Expert Meeting on Automation of Visual and Subjective Observations
31.00.020	(a) CBS Advisory Working Group — twenty-first session	31.61.063	(m) International Organizing Committee for WMO Intercomparison
31.00.021	(b) Meeting of the Advisory Group on the Exchange of Meteorological and Related Data and Products	31.70.022	(n) CBS WG/SAT Expert Meeting on Data, Products and Services
31.11.020	(c) CBS Working Group on Observations	31.80.020	(o) ESCAP/WMO Typhoon Committee — thirtieth session
31.12.021	(d) Data Buoy Cooperation Panel — thirteenth session	31.80.021	(p) WMO/ESCAP Panel on Tropical Cyclones — twenty-fourth session
31.22.023	(e) Session of the WG/TEL/Study Group on Communication Techniques and Protocols	31.80.022	(q) RA IV Hurricane Committee — nineteenth session
31.31.020	(f) CBS Working Group on Data-processing	31.82.020	(r) Technical Expert Meeting of Female Senior Forecasters on Effective Tropical Cyclone Forecasts

<i>1997 Budget code</i>		<i>1997 Budget code</i>	
31.83.020	(s) Expert Meeting on Numerical Storm Surge Prediction Models	34.31.020	(e) Session of the CAeM Working Group on the Provision of Meteorological Information Before and During Flight (PROMET)
31.84.020	(t) Meeting on National Flood Forecasting Systems		
31.92.020	(u) Expert Meeting on New Emergency Response Activities Techniques	34.40.022	(f) Second Session of the IGOSS Bureau
		34.42.021	(g) Steering Group for the Global Digital Sea Ice Data Bank— fourth session
	Part 3, Section 2	34.42.022	(h) IOC/WMO Steering Group for the Global Temperature Salinity Pilot Project — fourth session
32.01.020	(a) CCI Advisory Working Group		
32.11.020	(b) Session of the Advisory Committee on Climate Applications and Data (ACCAD)	34.43.022	(i) CMM/IGOSS/IODE Sub-Group on Ocean Satellites and Remote Sensing — second session
32.11.021	(c) Session of the Coordinating Committee for the WCP (CCWCP)		
32.13.020	(d) Meeting of Senior Representatives of International Organizations		Part 3, Section 5
32.32.021	(e) Expert Meeting on Climate System Monitoring	35.01.020	(a) CHy Advisory Working Group
32.33.020	(f) Regional Meeting on CLICOM Implementation*	35.12.020	(b) CHy Working Group on Data Acquisition and Processing Systems
32.34.020	(g) Regional Meeting on the Exchange of Climate Data and Products*	35.12.021	(c) Meeting of CHy Rapporteurs on Technical Regulations
32.35.021	(h) Two Regional Meetings on Climate Data Management*	35.13.020	(d) Meeting on Technology Transfer in Hydrology
		35.21.020	(e) CHy Working Group of Hydrological Modelling and Forecasting
	Part 3, Section 3	35.22.020	(f) CHy Working Group on Operational Hydrology, Climate and the Environment
33.01.020	(a) CAS/JSC Working Group on Numerical Experimentation	35.31.022	(g) Expert Planning Meeting on the CRASH Project
33.01.021	(b) CAS Advisory Working Group		
33.10.020	(c) EC Panel of Experts/CAS Working Group on Environmental Pollution, Atmospheric Chemistry and Urban Environment**		Part 3, Section 7
33.12.020	(d) Expert Meeting on a technical subject of GAW	37.02.020	(a) Session of Regional Working Group on WWW in RA III
33.13.020	(e) Expert Meeting on Modelling of the Long-range Transport of Air Pollutants within EMEP	37.02.020	(b) Session of RA I Working Group on Hydrology
33.15.020	(f) Expert Meeting on Carbon Dioxide	37.02.020	(c) Session of RA III Working Group on Hydrology
33.16.031	(g) Expert Meeting on Ozone Assessment	37.02.020	(d) Session of RA V Working Group on Hydrology
		37.02.021	(e) RA I Tropical Cyclone Committee — thirteenth session
	Part 3, Section 4	37.02.021	(f) Working Group on Climate Matters in RA III/RA IV
34.11.020	(a) Expert Meeting to develop Guidance Material on the Formulation of Forecasts and Warnings		
34.20.021	(b) Meeting with CGIAR Institutes		Part 4
34.22.020	(c) CAgM Working Group on Relationships between Weather/Climate and Sustainable Agricultural Production and Protection	44.20.020	(a) EC Advisory Group of Experts on Technical Cooperation
34.25.020	(d) CAgM Working Group on Agrometeorology for Extreme Events	44.20.021	(b) Informal Planning Meeting on the WMO Voluntary Cooperation Programme

* The Executive Council requested the Secretary-General to consider the high priority of conducting these climate related activities in RA I and RA V within the allocations available for such events in the twelfth financial period.

** Name of working group subject to CAS concurrence.

<i>1997 Budget code</i>		<i>1997 Budget code</i>	
IMPLEMENTATION COORDINATION MEETINGS (1997)			
Part 3, Section 1		Part 3, Section 7	
31.23.020	(a) Implementation Coordination Meeting on the MTN	37.06.020	(a) Regional Implementation Coordination Meeting on the GTS in RA II
31.33.020	(b) Expert Meeting on Implementation of Emerging GDPS Centres	37.06.020	(b) Implementation Coordination Meeting on the GDPS in RA I
31.42.020	(c) Implementation Coordination Meeting — Data Management Functions	37.06.020	(c) Implementation Coordination Meeting on Data Management in RA III/IV
31.53.020	(d) Implementation Coordination Meeting on OWSE	37.06.020	(d) Implementation Coordination Meeting for Marine Observing Systems and Services for East African Countries
Part 3, Section 3		37.06.021	(e) Coordination Meeting on HOMS in RA I
33.16.020	Implementation Coordination Meeting — Ozone Research Managers	37.06.021	(f) Coordination Meeting on HOMS in RA III
Part 3, Section 5			
35.32.020	Inter-agency Coordination Meeting on Water Management Issues		

SYMPOSIA, TECHNICAL CONFERENCES, SEMINARS, WORKSHOPS AND TRAINING COURSES (1997)

Part 3, Section 1		34.22.030	(b) Roving Seminar on Use of Agrometeorological Data in Irrigation Scheduling
31.22.048	(a) Training Workshop on Communication Techniques	34.23.030	(c) Two Roving Seminars on Data Management
31.43.048	(b) Training Seminar on the Use of Binary Codes	34.23.048	(d) Regional Workshop on Agrometeorological Management
31.52.048	(c) Training Seminar on Systems Implementation	34.24.030	(e) Roving Seminar/Support to National Agrometeorological Services
31.87.048	(d) Roving Lecture Services on Tropical Cyclones	34.24.048	(f) Regional Workshop on Applications of Agrometeorological Data in Agricultural Services
31.91.048	(e) Training Seminar on Emergency Response Procedures	34.25.030	(g) Roving Seminar on Extreme Events
Part 3, Section 2		34.40.029	(h) Technical Conference on Marine Pollution
32.42.029	Two Roving Seminars focusing on Development of National Capacities in Provision of Operational Climate Services, including Climate Predictions	Part 3, Section 5	
Part 3, Section 3		35.22.048	(a) Regional Meeting on Hydrological Data for Global Change Studies
33.12.048	(a) Training Course on Atmospheric Composition Measurements	35.31.029	(b) Technical Conference on Hydrology and Natural Disasters
33.13.031	(b) Symposium on Atmospheric Transport of Pollutants to Coastal Areas	35.32.031	(c) Cosponsorship of Two IAHS Symposia
33.22.020	(c) International Workshop on Mesoscale Modelling	Part 3, Section 6	
33.31.020	(d) International Workshop on Problems and Prospects in Dynamical Extended Range Forecasting (DERF)	36.24.048	(a) Training Course for National Instructors on Teaching Methods
Part 3, Section 4		36.24.049	(b) Training Seminar for National Instructors on Curriculum Development
34.21.048	(a) Training Seminar/Workshop on User Requirements for Agrometeorological Services	36.24.050	(c) Regional Training Seminar for National Instructors of RA II and RA V
		36.42.048	(d) RA I CLICOM Training Seminar

<i>1997 Budget code</i>		<i>1997 Budget code</i>	
36.42.050	(e) Training Seminar on Operational Climate Services in RA I		Part 3, Section 7
36.44.048	(f) Second International Seminar for Port Meteorological Officers	37.04.048	(a) Regional Workshop/Expert Meeting (RA III) on Agrometeorological Techniques in Operational Agriculture in Latin America
36.44.051	(g) Training Seminar on Agrometeorology for Extreme Events	37.04.048	(b) Regional Workshop on Environmental Matters for RA VI
36.44.052	(h) International Training Seminar on Standardization of Maintenance and Operation of Drifting and Moored Buoys	37.05.048	(c) Technical Conference on Management for Development of Meteorological Services in RA II
36.46.050	(i) RA IV Training Workshop on Hurricane Forecasting and Warning	37.05.048	(d) Technical Conference on Meteorological and Hydrological Services in RA III/IV

**WORKING GROUPS, STUDY GROUPS AND MEETINGS OF EXPERTS FINANCED FROM
WMO/ICSU/IOC JOINT CLIMATE RESEARCH FUND (JCRF) (1997)**

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| <ul style="list-style-type: none"> (a) Session of the WMO/ICSU/IOC Joint Scientific Committee for the WCRP (b) Meeting of the Officers of the Joint Scientific Committee for the WCRP (c) Session of Inter-agency Ocean Study Panel (to coordinate activities in the Atlantic Ocean Basin) (d) Session of Modelling Coordination Panel (e) WCRP/GEWEX Panel on Radiative Fluxes (f) Meeting on Coordination of the WCRP Baseline Surface Radiation Network (g) WCRP/GEWEX Panel on Cloud System Studies (h) Scientific Conference on Cloud System Modelling (i) GEWEX Scientific Steering Group (j) Session of Science Panel for the GEWEX Continental-scale International Project (GCIP) (k) Workshop on Coordination of Regional GEWEX Field Studies (l) Expert Meeting on GEWEX-dedicated Satellite Observations (m) Scientific Conference to review results from GEWEX Regional Projects (n) Implementation Planning Meeting for the WCRP International Satellite Cloud Climatology Project (o) Expert Meeting on Global Precipitation Climatology Data (p) Meeting on Intercomparison of Satellite Retrieval Algorithms (q) CLIVAR Scientific Steering Group (r) Meeting of CLIVAR Modelling Panel | <ul style="list-style-type: none"> (s) Meeting of CLIVAR Panel on Inter-annual and Seasonal Prediction (CLIVAR-GOALS) (t) Meeting of CLIVAR Panel on Decadal to Centennial Variability (CLIVAR DECCEN) (u) Scientific Conference on the Determination of Air-sea Fluxes (v) Implementation Planning Meeting on Global Ocean Data Management (w) Coordination/planning Meeting for CLIVAR Field Observations (x) Session of Scientific Steering Group for the World Ocean Circulation Experiment (WOCE) (y) Meeting of Officers of the WOCE Scientific Steering Group (z) Coordination Meeting for the WOCE Gyre Dynamics Experiment (aa) Meeting of the WOCE Data Management Panel (ab) Meeting of WOCE Numerical Experimentation Group (ac) Session of Intergovernmental WOCE Panel (ad) Session of Scientific Steering Group for the WCRP Arctic Climate System Study (ACSYS) (ae) Session of ACSYS Sea-ice/Ocean Modelling Panel (af) Scientific Workshop on Sea-ice Physics (ag) Meeting of Scientific Steering Group for WCRP Study of Stratospheric Processes and their Role in Climate (SPARC) (ah) Meeting on Stratospheric Physical-Chemical Modelling projects |
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NOTES:

- (a) In addition to the symposia, seminars and conferences listed above, WMO may cosponsor some other such meetings of interest to WMO in conjunction with the United Nations and its specialized agencies, the International Association of Hydrological Sciences, International Council of Scientific Unions and other international organizations, and some meetings in connection with joint projects in cooperation with other international organizations.
- (b) Within the limits of available resources, the Secretary-General is authorized to organize further meetings of experts and implementation coordination meetings, as necessary.

- (c) The above list does not include:
- (i) Possible training seminars to be held in 1996–1997 financed by UNDP;
 - (ii) Meetings and training courses to be financed by UNEP;
 - (iii) Other meetings financed from extra-budgetary resources and trust fund activities such as the Joint WMO/UNEP IPCC Fund, Climate Observing System Fund (COSF) established by Memorandum of Understanding between WMO, ICSU, IOC and UNEP or the trust funds received for the Climate and Atmospheric Environment Activities Fund (CAEA).

ANNEX V

Annex to paragraph 6.5 of the general summary

**BUDGET FOR THE WMO/ICSU/IOC JOINT CLIMATE RESEARCH
FUND (JCRF) FOR THE BIENNIUM 1996–1997**

	<i>SFR'000</i>
Institutional support to WCRP	
Staff	2 483.5
Temporary staff	19.7
Sessions of the Joint Scientific Committee (JSC)	230.5
Interagency coordination	92.5
Operation of the Joint Planning Staff (JPS)	68.3
Climate modelling programme	200.0
Research on climate processes	
Cloud/radiation feedback	180.8
Cloud systems	100.0
Land surface	48.1
Global Energy and Water Cycle Experiment (GEWEX)	
Science coordination	273.9
Data management	127.0
Project Office	48.5
Climate variability and predictability (CLIVAR)	
Science coordination	290.4
Observations and data management	104.3
Project Office	48.4
World Ocean Circulation Experiment (WOCE)	300.5
Arctic Climate System Study (ACSYS)	200.1
Stratospheric Processes and their Role in Climate (SPARC)	160.5
Study of the earth system and global change	—
JCRF BUDGET	4 977.0
ICSU contribution to JCRF	456.0
IOC contribution to JCRF	456.0
Regular budget contribution to the JCRF	4 065.0

ANNEX VI

Annex to paragraph 7.2.6 of the general summary

**AGREEMENT ON THE ESTABLISHMENT OF THE
PROFESSOR MARIOLOPOULOS TRUST FUND AWARD****WHEREAS**

(1) The Mariolopoulos-Kanaginis Foundation (MKF) wishes to commemorate the distinguished contributions of the late Professor Mariolopoulos to meteorology by establishing the Professor Mariolopoulos Trust Fund Award in atmospheric environment;

(2) The World Meteorological Organization is prepared to administer such a fund;

IT IS AGREED by the Mariolopoulos-Kanaginis Foundation (MKF), on the one hand, and the World Meteorological Organization, represented by its Secretary-General, on the other that:

1. Upon receipt from the Mariolopoulos-Kanaginis Foundation (MKF) of the sum of US \$15 000, to be deposited to WMO in 1995, the Secretary-General will establish the Professor Mariolopoulos Trust Fund. This is done on the understanding that a similar amount will be deposited by May 1996 in addition to US \$2 000 to grant the initial award in June 1996;

2. The US \$30 000 Fund shall be invested by the Secretary-General and the interests derived therefrom shall be used in the prescribed manner for the following purposes:

(a) Financial grants shall be made every second year beginning in 1996 (provided that sufficient interest has accumulated) in the form of an award to an individual, either for a distinguished contribution in the

field of Atmospheric Environmental Sciences and/or for an original scientific paper in the field;

(b) The awards are intended to stimulate interest in research and the understanding of the atmospheric environment;

(c) The awards shall be made by decision of a committee of three distinguished scientists; one designated by the WMO Secretary-General, another designated by the Director-General for Science Research and Development of the European Union and the third, to be designated by the Board of Directors of MKF;

(d) The awards will consist of a medal and a sum of US \$2 000;

(e) This Trust Fund will be established for a duration of twenty years, to be considered thereafter in a manner compatible with its initial purpose.

Signed at:
On:

Signed at:
On:

.....
For the Mariolopoulos-
Kanaginis Foundation
(MKF)

(G. O. P. Obasi)
Secretary-General
World Meteorological
Organization

ANNEX VII

Annex to paragraphs 7.5.4 to 7.5.7 of the general summary

**STAFF APPOINTMENTS, PROMOTIONS, NOMINATIONS AND
TRANSFERS SINCE EC-XLVI****Part A: Appointments**

<i>Name and nationality</i>	<i>Title, grade and organizational unit</i>	<i>Effective date</i>
Mr M. JARRAUD (France)	Deputy Secretary-General	2 January 1995
Mr R. C. LANDIS (United States)	Director (D.2), World Weather Watch Department	17 September 1994
Mr F. R. HAYES (United Kingdom)	Director (D.1), Languages, Publications and Conferences Department	2 January 1995

<i>Name and nationality</i>	<i>Title, grade and organizational unit</i>	<i>Effective date</i>
Dr H. V. KIBBY (United States)	Senior Scientific Office (P.5), Joint Planning Office for the Global Climate Observing System	7 January 1995
Dr A. YEVES RUIZ (Spain)	Senior Scientific Office (P.4), Agricultural Meteorology Division, World Climate Programme Department	2 October 1994
Mr A. UGOLINI (Italy)	Editor (English language) (P.3), Publications Division, Languages, Publications and Conferences Department	1 June 1994
Ms S. BÉLIVEAU (Canada)	Editor (English language) (P.3), Publications Division, Languages, Publications and Conferences Department	18 March 1995
Mrs D. WILLIAMS (France)	Personal Assistant to the Secretary-General	23 April 1995

Part B: Nominations and/or promotions as a result of competition after issuance of vacancy notices

Mr M. HUSAIN (Pakistan)	Director (D.1), Resource Management Department	15 December 1994
Mr D. KRAEMER (Mexico)	Director (D.1), Hydrology and Water Resources Department	1 April 1995
Mrs H. KOOTVAL (Brunei Darussalam)	Chief (P.5), Public Weather and Operational Information Unit, World Weather Watch Department	1 October 1994
Mr T. C. JOEL (Australia)	Chief (P.5), Finance and Budget Division, Resource Management Department	1 May 1995

Part C: Promotions

Dr N. SUNDARARAMAN (United States)	Secretary, Intergovernmental Panel on Climate Change, promoted from D.1 to D.2	1 May 1995
Mr R. L. NEWSON (United Kingdom)	Senior Scientific Officer, World Climate Research Programme, promoted from P.5 to D.1	1 May 1995
Mr J.-M. RAINER (France)	Chief, Telecommunications and Monitoring Unit, World Weather Watch Department, promoted from P.4 to P.5	1 May 1994
Dr J. PRUCHNICKI (Poland)	Senior Scientific Officer, Office of the Assistant Secretary-General, promoted from P.4 to P.5	1 October 1994

Part D: Transfers

Mr J. K. MURITHI (Kenya)	Director (D.2), Support Services Department	1 November 1994
Dr I. DRAGHICI (Romania)	Programme Officer (P.4), Education and Training Department*	8 November 1994
Mr J. SUN (China)	Programme Officer (P.4), Regional Office for Asia and the South-West Pacific*	8 November 1994

* Secondment on a temporary basis from the Technical Cooperation Programme.

APPENDIX A

LIST OF PERSONS ATTENDING THE SESSION

1. MEMBERS OF THE EXECUTIVE COUNCIL

J. W. Zillman	President
C. E. Berridge	First Vice-President
N. Sen Roy	Second Vice-President
M. Bautista-Pérez	Third Vice-President
K. Konaré	President RA I
Z. Batjargal	President RA II
S. Pollonais	Acting President RA IV
S. Karjoto	President RA V
P. Steinhauser	President RA VI

Z. Alperson
 A. Athayde
 A. Bedritsky
 J.-P. Beysson
 B. K. Cheang
 A. B. Diop
 E. W. Friday
 J. C. R. Hunt
 C. A. Igeleke
 P. Leyva-Franco
 G. A. McBean
 M. S. Mhita
 T. Mohr
 E. A. Mukolwe
 L. Ndorimana
 K. Ninomiya
 A. M. Noorian
 I. Obrusnik
 G. E. Ortega Gil
 G. K. Ramothwa (Ms)
 N. A. Salem
 G. C. Schulze
 R. A. Sonzini
 J. Zielinski
 Zou Jingmeng

Elected members

2. ALTERNATES AND ADVISERS

V. K. Tsui	Alternate to J. W. Zillman
M. M. K. Sardana	Alternate to N. Sen Roy
R. P. Singh	Alternate to N. Sen Roy
J. Segovia	Alternate to M. Bautista-Pérez
E. Cormenzana	Adviser to M. Bautista-Pérez
B. Ganbaatar	Adviser to Z. Batjargal
J. R. Ortega	Alternate to W. Castro Wrede
F. Villalba	Adviser to W. Castro Wrede
I. Fabian (Ms)	Adviser to P. Steinhauser
A. Henaïdi	Alternate to A. A. Al-Gain
S. Dunley (Ms)	Alternate to A. Athayde

S. S. Khodkin	Alternate to A. Bedritsky
A. Karpov	Adviser to A. Bedritsky
D. Lambergeon	Alternate to J.-P. Beysson
M. C. Yerg	Alternate to E. W. Friday
H. L. April (part-time)	Adviser to E. W. Friday
G. D. Cartwright (part-time)	Adviser to E. W. Friday
H. Cohen (part-time)	Adviser to E. W. Friday
C. C. Mc Mahon (Ms)(part-time)	Adviser to E. W. Friday
K. Weston (Ms) (part-time)	Adviser to E. W. Friday
E. Wheeler (Ms) (part-time)	Adviser to E. W. Friday
D. J. Griggs	Alternate to J. C. R. Hunt
S. Boardman (Ms)	Adviser to J. C. R. Hunt
M. A. Mulero	Alternate to C. A. Igeleke
J. D. Pabon	Adviser to P. Leyva-Franco
R. King	Alternate to G. A. McBean
B. Angle	Adviser to G. A. McBean
F. Ruddock	Adviser to G. A. McBean
P. A. Msafiri	Adviser to M. S. Mhita
P. A. Mwingira	Adviser to M. S. Mhita
U. Gärtner	Alternate to T. Mohr
D. Frömning	Adviser to T. Mohr
K. Essendi	Alternate to E. A. Mukolwe
M. Saiki	Alternate to K. Ninomiya
N. Hasegawa	Adviser to K. Ninomiya
G. K. Atigh	Alternate to A. M. Noorian
H. Zohdy	Alternate to N. A. Salem
A. A. Hassan	Adviser to N. A. Salem
A. M. Rebba	Adviser to N. A. Salem
F. P. Requena	Alternate to R. A. Sonzini
Wang Caigang	Alternate to Zou Jingmeng
Wang Xiaomin (Ms)(part time)	Adviser to Zou Jingmeng
Xiao Yongsheng (part-time)	Adviser to Zou Jingmeng
Zhang Zhiqin (part-time)	Adviser to Zou Jingmeng

3. PRESIDENTS OF TECHNICAL COMMISSIONS

C. H. Sprinkle	Commission for Aeronautical Meteorology
C. J. Stigter	Commission for Agricultural Meteorology
A. A. Vasiliev	Commission for Basic Systems

4. INVITED EXPERT

L. Fradin (Ms)

5. REPRESENTATIVES OF INTERNATIONAL ORGANIZATIONS

L. Breslin	United Nations Framework Convention on Climate Change (UN/FCCC)
A. Farag	Organization of African Unity (OAU)

APPENDIX B

AGENDA

<i>Agenda item</i>	<i>Documents</i>	<i>Resolutions adopted</i>
1. ORGANIZATION OF THE SESSION	PINK 2	
1.1 Opening of the session	PINK 2	
1.2 Approval of the agenda	1; 2; PINK 2	
1.3 Establishment of committees	PINK 2	
1.4 Programme of work of the session	PINK 2	
1.5 Approval of the minutes	PINK 2	
2. REVIEW OF PANELS AND OTHER BODIES REPORTING TO THE EXECUTIVE COUNCIL	23; PINK 25	
3. CONSIDERATION OF DECISIONS OF TWELFTH CONGRESS REQUIRING URGENT ACTION BY THE EXECUTIVE COUNCIL	24; 25; 26; 27; 30; 31; 32; PINK 10; PINK 11; PINK 12; PINK 13; PINK 15; PINK 17; PINK 20	1, 2, 3
4. REPORTS OF SESSIONS OF CONSTITUENT BODIES	3; 8; 10; 13; PINK 3; PINK 4; PINK 5; PINK 7	4, 5, 6, 7
5. REPORTS OF SESSIONS OF PANELS AND WORKING GROUPS REPORTING TO THE EXECUTIVE COUNCIL	11; 12; 14; 15; 21; PINK 6; PINK 8; PINK 14; PINK 19	
6. PROGRAMME AND BUDGET FOR 1996–1997	18; PINK 9	8
7. GENERAL AND ADMINISTRATIVE MATTERS		
7.1 Fortieth IMO Prize	4; PINK 1; PINK 1, CORR.1	
7.2 Other awards	20; PINK 21	
7.3 Arrangements for scientific lectures for EC-XLVIII	28; PINK 16	
7.4 World Meteorological Day, theme for 1997	6; PINK 23	
7.5 Staff matters	5; 7; 9; 16; PINK 24; PINK 26	
7.6 Financial matters	17; 19; 29; PINK 18; PINK 28	
7.7 1996–1997 Budget for Secretariat support to the Technical Cooperation Programme	22; PINK 22	9
8. DATE AND PLACE OF THE FORTY-EIGHTH AND FORTY-NINTH SESSIONS OF THE EXECUTIVE COUNCIL	PINK 27	
9. CLOSURE OF THE SESSION	PINK 29	

APPENDIX C

LIST OF DOCUMENTS

<i>Doc. No.</i>	<i>Title</i>	<i>Agenda item</i>	<i>Submitted by</i>
I. "DOC" series			
1	Organization of the session Approval of the agenda	1.2 (1)	President
2	Approval of the agenda Explanatory memorandum relating to the provisional agenda	1.2 (2)	Secretary-General
3	Reports of sessions of constituent bodies Report of the extraordinary session (1994) of the Commission for Basic Systems	4 (1)	Secretary-General
4	Fortieth IMO Prize	7.1	Secretary-General
5	Staff matters Amendments to Staff Rules	7.5 (1)	Secretary-General
6	World Meteorological Day, theme for 1997	7.4 (1)	Secretary-General
7	Staff matters Salaries of Ungraded Officials	7.5 (2)	Secretary-General
8	Reports of sessions of constituent bodies Report of the eleventh session of CAgM	4 (2)	Secretary-General
9	Staff matters Annual Report of the International Civil Service Commission	7.5 (3)	Secretary-General
10	Reports of sessions of constituent bodies Report of the tenth session of CAeM	4 (3)	Secretary-General
11	Reports of sessions of panels and working groups reporting to the Executive Council Executive Council Panel of Experts/CAS Working Group on Physics and Chemistry of Clouds and Weather Modification Research	5 (1)	Secretary-General
12	Reports of sessions of panels and working groups reporting to the Executive Council Executive Council Panel of Experts/CAS Working Group on Environmental Pollution and Atmospheric Chemistry	5 (2)	Secretary-General

<i>Doc. No.</i>	<i>Title</i>	<i>Agenda item</i>	<i>Submitted by</i>
13	Reports of sessions of constituent bodies Report of the eleventh session of Regional Association I (Africa)	4 (4)	Secretary-General
14	Reports of sessions of panels and working groups reporting to the Executive Council WMO/IOC/ICSU/UNEP Joint Scientific and Technical Committee for the Global Climate Observing System (GCOS)	5 (3)	Secretary-General
15	Reports of sessions of panels and working groups reporting to the Executive Council Report of the WMO/ICSU/IOC/Joint Scientific Committee for the World Climate Research Programme	5 (4)	Secretary-General
16	Staff matters Designation of members of the Staff Pension Committee of WMO	7.5 (4)	Secretary-General
17	Financial matters Working Capital Fund	7.6 (1)	President
18	Programme and Budget for the biennium 1996–1997	6 (1)	Secretary-General
19	Financial matters Interim Financial Report of the Secretary-General	7.6 (2)	Secretary-General
20	Other awards	7.2 (1)	Secretary-General
21	Reports of sessions of panels and working groups reporting to the Executive Council Technical Cooperation Programme Report of the Chairman of the EC Panel of Experts on the Voluntary Cooperation Programme for 1994	5 (5)	Mr Zou Jingmeng, chairman, EC Panel of Experts on the VCP
22	1996–1997 Budget for Secretariat support to the Technical Cooperation Programme	7.7 (1)	Secretary-General
23	Review of panels and other bodies reporting to the Executive Council	2	Secretary-General
24	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council Hydrology and Water Resources Programme	3 (1)	Secretary-General
25	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council	3 (2)	President

<i>Doc. No.</i>	<i>Title</i>	<i>Agenda item</i>	<i>Submitted by</i>
26	International Decade for Natural Disaster Reduction Long-term Planning	3 (3)	Secretary-General
27	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council Technical Cooperation Programme	3 (4)	Secretary-General
28	Arrangements for the scientific lectures for EC-XLVIII	7.3	Secretary-General
29	Financial matters External Auditor's management letter on the new WMO Headquarters building and the letter of reply by the Secretary-General	7.6 (2)	Secretary-General
30	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council Future arrangements for international exchange of data and products	3 (5)	Secretary-General

II. "PINK" series

1, CORR. 1	Fortieth IMO Prize	7.1	President of WMO
2	Organization of the session	1	President of WMO
3	Reports of sessions of constituent bodies	4	President of WMO
4	Reports of sessions of constituent bodies	4	President of WMO
5	Reports of sessions of constituent bodies	4	President of WMO
6	Reports of sessions of panels and working groups reporting to the Executive Council	5	Chairman of the Committee of the Whole
7	Reports of sessions of constituent bodies	4	President of WMO
8	Reports of sessions of panels and working groups reporting to the Executive Council	5	President of WMO
9	Programme and budget for the biennium 1996–1997	6	Chairman of the Subcommittee on Programme and Budget
10	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council	3	President of WMO
11	Consideration of decisions of Twelfth Congress requiring	3	President of WMO

<i>Doc. No.</i>	<i>Title</i>	<i>Agenda item</i>	<i>Submitted by</i>
12	urgent action by the Executive Council Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council	3	President of WMO
13	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council	3	President of WMO
14	Reports of sessions of panels and working groups reporting to the Executive Council	5	President of WMO
15	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council	3	President of WMO
16	Arrangements for the scientific lectures for EC-XLVIII	7.3	President of WMO
17	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council	3	President of WMO
18	Financial matters	7.6	President of WMO
19	Reports of sessions of panels and working groups reporting to the Executive Council	5	President of WMO
20	Consideration of decisions of Twelfth Congress requiring urgent action by the Executive Council	3	President of WMO
21	Other awards	7.2	President of WMO
22	1996–1997 Budget for Secretariat support to the Technical Cooperation Programme	7.7	President of WMO
23	World Meteorological Day, theme for 1997	7.4	President of WMO
24	Staff matters	7.5	President of WMO
25	Review of panels and other bodies reporting to the Executive Council	2	President of WMO
26	Staff matters	7.5	President of WMO
27	Date and place of the forty-eighth and forty-ninth sessions of the Executive Council	8	President of WMO
28	Financial matters	7.6	President of WMO
29	Closure of the session	9	President of WMO

APPENDIX D

LIST OF ABBREVIATIONS

ACCAD	Advisory Committee on Climate Applications and Data
ACMAD	African Centre of Meteorological Applications for Development
ACSYS	Arctic Climate System Study
ASMC	ASEAN Specialized Meteorological Centre
CAEA	Climate and Atmospheric Environment Activities Fund
CAeM	Commission for Aeronautical Meteorology
CAGM	Commission for Agricultural Meteorology
CAL	Computer Assisted Learning
CAS	Commission for Atmospheric Sciences
CBS	Commission for Basic Systems
CCAQ	Consultative Committee on Administrative Questions
CCI	Commission for Climatology
CCWCP	Coordinating Committee for the World Climate Programme
CGIAR	Consultative Group on International Agricultural Research
CHy	Commission for Hydrology
CIMO	Commission for Instruments and Methods of Observation
CLICOM	Climate Computing
CLIPS	Climate Information and Prediction Services
CLIVAR	Climate Variability and Predictability
CMM	Commission for Marine Meteorology
COSF	Climate Observing System Fund
CPPS	Permanent Commission for the South Pacific
CRASH	Comprehensive Risk Assessment
DARE	Data Rescue (WCDP) Project
DERF	Dynamical Extended Range Forecasting
EC	Executive Council
EMEP	Cooperative Programme for the Monitoring and Evaluation of the Long-range Transission of Air Pollutants in Europe
EMPA	Federal Material Examination and Research Institute
ESCAP	Economic and Social Commission for Asia and the Pacific
GAW	Global Atmosphere Watch
GCIP	GEWEX Continental-scale International Project
GCOS	Global Climate Observing System
GDPS	Global Data-processing System
GEWEX	Global Energy and Water Cycle Experiment
GMDSS	Global Maritime Distress and Safety System
GOS	Global Observing System
GTOS	Global Terrestrial Observing System
GTS	Global Telecommunication System
HOMS	Hydrological Operational Multipurpose System
IAEA	International Atomic Energy Agency
IAHS	International Association of Hydrological Sciences
ICAO	International Civil Aviation Organization
ICSU	International Council of Scientific Unions
ICTP	International Centre for Theoretical Physics
IDNDR	International Decade for Natural Disaster Reductiion
IGBP	International Geosphere-Biosphere Programme
IGOSS	Integrated Global Ocean Services System
IOC	Intergovernmental Oceanographic Commission
IODE	International Oceanographic Data Exchange
IOS	Initial Operational System
IPA	Information and Public Affairs
IPCC	Intergovernmental Panel on Climate Change
JCRF	Joint Climate Research Fund
JPS	Joint Planning Staff

JSC	Joint Scientific Committee
JSTC	Joint Scientific and Technical Committee
METEOSAT	EUMETSAT series of meteorological geostationary satellites
MKF	Mariolopoulos-Kanaginis Foundation
MTN	Main Telecommunication Network
NIS	Newly Independent States
NMC	National Meteorological Centre
NMHS	National Meteorological and Hydrological Service
OWSE	Operational WWW Systems Evaluation
PEP	Precipitation Enhancement Project
PROMET	Provision of Meteorological Information Before and During Flight
QA	Quality Assurance
RMDCN	Regional Meteorological Data Communication Network
RSMC	Regional Specialized Meteorological Centre
SAC	Science Activity Centre
SHARE	Software help for application, research and education
SPARC	Stratospheric Processes and their Role in Climate
STEND	System for Technology Exchange for Natural Disasters
TCDC	Technical cooperation among developing countries
TCP	Tropical Cyclone Programme
TOGA	Tropical Ocean and Global Atmosphere
TRUCE	Tropical Urban Climate Experiment
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
UNOOSA	United Nations Office of Outer Space Affairs
VCP	Voluntary Cooperation Programme
VCP(ES)	Voluntary Cooperation Programme (Equipment and Services)
VCP(F)	Voluntary Cooperation Programme Fund
WAFS	World Area Forecast System
WCP	World Climate Programme
WCRP	World Climate Research Programme
WGDM	Working Group on Data Management
WGSAT	Working Group on Satellites
WG/TEL	Working Group on Telecommunications
WMD	World Meteorological Day
WOCE	World Ocean Circulation Experiment
WRC	World Radiation Centre
WWW	World Weather Watch
