WORLD METEOROLOGICAL ORGANIZATION

FOURTH SESSION OF THE EXECUTIVE COMMITTEE

GENEVA, 6th - 26th OCTOBER, 1953

ABRIDGED REPORT WITH RESOLUTIONS

PRICE: fr. Sw. 3.50

WMO - No 20. RC. 5

Secretariat of the World Meteorological Organization - Geneva - Switzerland

1953
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### 1. Members present

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<tr>
<td>F.W. Reichelderfer</td>
<td>President WMO</td>
</tr>
<tr>
<td>A. Viaut</td>
<td>First Vice-President WMO</td>
</tr>
<tr>
<td>N.P. Sellick</td>
<td>Second Vice-President WMO</td>
</tr>
<tr>
<td>D.A. Davies</td>
<td>President RA I</td>
</tr>
<tr>
<td>P.X.R. de Souza</td>
<td>President RA III</td>
</tr>
<tr>
<td>A. Thomson</td>
<td>President RA IV</td>
</tr>
<tr>
<td>M.A.F. Barnett</td>
<td>President RA V</td>
</tr>
<tr>
<td>J. Lugeon</td>
<td>President RA VI</td>
</tr>
<tr>
<td>L. de Azcárraga</td>
<td>Elected members</td>
</tr>
<tr>
<td>H.A. Ferreira</td>
<td></td>
</tr>
<tr>
<td>Th. Hesselberg</td>
<td></td>
</tr>
<tr>
<td>K.T. Logvinov (representing A. Solotoukhine)</td>
<td></td>
</tr>
<tr>
<td>O.G. Sutton</td>
<td>Designated member</td>
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### 2. Presidents of Technical Commissions

<table>
<thead>
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<tbody>
<tr>
<td>W. Bleeker</td>
<td>President CSM</td>
</tr>
<tr>
<td>J. Van Mieghem</td>
<td>President CAe</td>
</tr>
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### 3. Official Representatives

<table>
<thead>
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<tbody>
<tr>
<td>A.D. Meurig</td>
<td>Deputy Director of the European Office of UN</td>
</tr>
<tr>
<td>Jans</td>
<td>Representative of UN</td>
</tr>
<tr>
<td>Z. Deutschmann</td>
<td>Representative of WHO</td>
</tr>
<tr>
<td>J. Swarbrick</td>
<td>Representative of UNESCO</td>
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### 4. Advisers

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<tr>
<td>N. Syssoev</td>
<td>Adviser to Mr. Logvinov</td>
</tr>
<tr>
<td>A.W. Johnson</td>
<td>Adviser to Mr. Reichelderfer</td>
</tr>
<tr>
<td>N.A. Matson</td>
<td>Adviser to Mr. Reichelderfer</td>
</tr>
<tr>
<td>L.R. Katishona</td>
<td>Adviser to Mr. de Souza</td>
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<tr>
<td>R.C. Graham</td>
<td>Adviser to Mr. Thomson</td>
</tr>
<tr>
<td>K.D. Mailwraith</td>
<td>Adviser to Mr. Thomson</td>
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<tr>
<td>J. Bessemoulin</td>
<td>Adviser to Mr. Viaut</td>
</tr>
<tr>
<td>P. de Martin de Viviès</td>
<td>Adviser to Mr. Viaut</td>
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### 5. Secretariat

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<td>G. Swoboda</td>
<td>Acting Secretary-General</td>
</tr>
<tr>
<td>J.R. Rivet</td>
<td>Deputy Secretary-General</td>
</tr>
<tr>
<td>K. Langlo</td>
<td>Chief, Technical Division</td>
</tr>
<tr>
<td>V.J. Bahr</td>
<td>Chief, Administrative Division</td>
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<tr>
<td>E.A. van der Linde</td>
<td>Chief, Publication Section</td>
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<tr>
<td>Secretariat</td>
<td>Chief, Technical Assistance Unit</td>
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<tr>
<td>J.L. Galloway</td>
<td>Chief, Technical Section</td>
</tr>
<tr>
<td>O.M. Ashford</td>
<td>Chief, Technical Section</td>
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<tr>
<td>N.L. Veramneeman</td>
<td>Chief, Technical Section</td>
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<tr>
<td>A.H. Gordon</td>
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<td>J.M. Rubiato</td>
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3.8.2 | Rules for co-ordination of work between constituent bodies
3.9 | Co-ordination and priorities of the programme
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4.3 | Negotiations with FAO
4.4 | Negotiations with UNESCO
4.5 | Approval of agreement with United Nations for health protection and social security for the staff of WMO
4.6 | Negotiations on admission of WMO to an administrative tribunal
4.7 | Draft agreement on working arrangements between WMO and ICAO
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1. The Fourth Session of the Executive Committee of the World Meteorological Organization was held in the Palais des Nations in Geneva from the 6th October to the 26th October, 1953, inclusive, under the Chairmanship of the President of the Organization, Dr. F.W. Reichelderfer.

ORGANIZATION OF THE SESSION

Agenda Item 1.1 - Approval of the Agenda
2. The Committee agreed to adopt the Agenda, full details of which will be found on page 8.

Agenda Item 1.2 - Approval of the Minutes of the Third Session
3. The Committee agreed without discussion, to adopt the Minutes of the Third Session of the Executive Committee.

Agenda Item 1.3 - Establishment of committees
4. Two working committees, namely the Administration and Finance Committee and the Programme Committee, were reconstituted as in previous sessions. The membership of these committees were:

Working Committee on Administration and Finance
-----------------------------------------------
Mr. A. Viaut, Chairman
Mr. D.A. Davies
Mr. R.A. Ferreira
Mr. F.X.R. de Souza
Mr. R.C. Graham (for Mr. Thomson)
Mr. K.D. McIlwraith (for Mr. Thomson)
Mr. N.A. Matson (for Mr. Reichelderfer)
Mr. N. Syssoev (for Mr. Logvinov)

Working Committee on Programme
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Mr. N.P. Sellick, Chairman
Mr. M.A.F. Barnett
Mr. J. Bessemsoulouin (for Mr. Viaut)
Mr. Th. Hesselberg
Mr. A.W. Johnson (for Mr. Reichelderfer)
Mr. K.T. Logvinov
Mr. L.R. Ratisbona (for Mr. de Souza)
Mr. P. de Martín de Viviès (for Mr. Viaut)
Mr. A. Thomson
Mr. O.G. Sutton

In addition, two Technical Officers of the Secretariat were assigned to each working committee to aid the Chairman to prepare working committee papers, reports, help to draft resolutions and be available for consultation.
Agenda Item 2 - Reports

2.1 - Report of the President of the Organization

5. The report was noted and matters requiring action were taken up under items of the Agenda.

2.2 - Report of the Secretary-General

6. The report was noted and matters requiring action were taken up under other items of the Agenda.

2.3 - Reports of the Presidents of Regional Associations

Regional Association I - AFRICA

7. Technical subjects arising out of the report were dealt with under Agenda Item 6.3.5. The following additional decisions on points raised in the report were taken:

(a) A suggestion should be transmitted to the Presidents of Regional Associations and Technical Commissions that time be provided for discussions on scientific subjects at the end of the sessions of Commissions and Associations. Such a course would also allow for the adoption of resolutions, recommendations and minutes of sessions in their final form;

(b) In case of an election when there is only one nominee for an office the application of Regulation 70 could eliminate difficulties in regard to the provision of Regulation 47 regarding secret ballot;

(c) In order to give a standard form to a presentation of final abridged reports of Regional Associations and Technical Commissions, the following guiding rules should be applied by the Secretariat:

(i) The reports should contain, at the beginning, a complete table of the contents, including, in particular, a list of resolutions and recommendations; a list of documents should be placed at the end of the report indicating the items of the agenda to which they refer, the titles and the author and, where appropriate, references to resolutions or recommendations which have been adopted in regard to the subject of the document;

(ii) The mode of identification of resolutions and recommendations should be defined by the Secretariat as regards reports by the Regional Associations and Technical Commissions and the other constituent bodies of the Organization;

(iii) Steps should be taken to ascertain the most suitable additional indication for identifying the publications of the Organization;

(d) Regional Associations should examine the possibility of applying the procedure followed by Regional Association I, whereby all resolutions adopted by the former Regional Commission I of the IMO were re-examined and those remaining in force re-adopted by the Regional Association;

(e) The President of the Regional Association I might consider presenting a concrete proposal on joint support of his Region to the next session of the Executive Committee;
(f) The question of providing secretarial assistance to Presidents of Regional Associations and Technical Commissions can only be settled at the next Congress.

Regional Association II - ASIA
3. The report was noted. The question of election of a new President for the Association was dealt with under Agenda Item 3.4. A question as to the status of membership in the Association was clarified by reference to WMO Publication No 5.

Regional Association III - SOUTH AMERICA
9. The report was noted. Technical questions arising out of the report were dealt with under Agenda Item 6.3.6.

Regional Association IV - NORTH AND CENTRAL AMERICA
10. The report was noted. Technical matters arising out of the report were dealt with under Agenda Item 6.3.7.

Regional Association V - SOUTH-EAST PACIFIC
11. The report was noted. In regard to the question of funds for inter-comparison of barometers, it was suggested that if in any Region there were particular financial difficulties in carrying out the programme, a detailed proposal requesting an allocation of funds might be submitted.

Regional Association VI - EUROPE
12. The report was noted. Decisions in regard to individual recommendations and resolutions adopted by RA VI by correspondence since its First Session are embodied in Resolution 19 (EC-IV).

Agenda Item 2.4 - Reports of the Presidents of Technical Commissions

Commission for Aerology (CAe)
13. The report was noted. Technical matters arising from the report were taken up under Agenda Item 6.3.3.

Commission for Aeronautical Meteorology (CAeM)
14. The report was noted. In regard to the question raised in the report concerning quorum for the next simultaneous meetings of the Commission for Aeronautical Meteorology and the ICAO MET Division, the following decision was taken:

15. In the event of the quorum not being reached during the simultaneous sessions of the Commission for Aeronautical Meteorology and the MET Division
of ICAO, in order to protect the interests of the Organization, representa-
tives of Members at the session shall constitute a working group of the
Executive Committee, which will deal with the items on the agenda of the
Commission for Aeronautical Meteorology; recommendations requiring urgent
action will be dealt with in accordance with Regulation 34 of the General
Regulations and the others in conformity with Regulation 136.

16. It was further decided that the 1954 Budget of the Organization will
not include provision for financing simultaneous sessions of the CAeM and
MET Division in Geneva, but that in view of the financial questions to
which common meetings of the two bodies may give rise in the future the mat-
ter should be submitted to the Second Congress for study.

Commission for Agricultural Meteorology (CAgM)

17. Report was noted.

Commission for Bibliography and Publications (CBP)

18. Report was noted.

Commission for Climatology (CCl)

19. Report was noted. Technical matters arising from the report were
considered under Agenda Item 6.3.1.

Commission for Instruments and Methods of Observation (CIMO)

20. Technical matters arising out of the report of the First Session of
the Commission were considered under Agenda Item 6.3.4.

Commission for Maritime Meteorology (CMM)

21. The report was noted and the Executive Committee decided that a new
version of Recommendation 17 (CMM-I) should be issued as an amendment to the
Abridged Final Report of the First Session of the CMM.

Commission for Synoptic Meteorology (CSM)

22. The report was noted. Technical problems arising out of this report
were considered under Agenda Item 6.3.2.

International Meteorological Bibliography

23. In the present financial situation, it was found impossible to con-
tinue the publication of the International Meteorological Bibliography after
the volumes for 1952 had been completed. It was decided to ask the Commission
for Bibliography and Publications to review the whole question of a WMO bib-
liography, taking into account the basic requirements for such a publica-
tion and the degree to which existing bibliographies meet these requirements.
This decision is contained in Resolution 15 (EC-IV).
GENERAL SUMMARY

Agenda Item 2.5 - Reports of the Presidents of the working groups of the 
Executive Committee

Working Group for the Revision of the Convention and General Regulations

24. A specially appointed working group considered the experience of the 
first 2 1/2 years of operation of the Organization in terms of the adequacy 
of the Convention and the General Regulations. It was decided that no mod-
fications to the Convention should be recommended to the Second Congress, 
but that certain changes in the General Regulations would be desirable. 
These various changes have been recorded in the Minutes of the session.

Working Group for the International Geophysical Year

25. The specific proposal of the working group was considered under 
Agenda Item 6.2.2, and will be discussed at that point in the Summary.

Working Group for the International Meteorological Institute

26. The Committee considered that the working group, although it had 
found that establishment of an International Meteorological Institute would 
not be practicable at this time, had not sufficiently 
considered 

ability and advisability of establishing an Institute. It was therefore 
decided to re-establish an Executive Committee working group, which would 
study these aspects of the problem in particular, and would report to the 
next session of the Committee. The details of this decision can be found in 
Resolution 11 (EC-IV).

Working Group for the Production of the International Cloud Atlas

27. The report of this working group was considered in conjunction with 
Agenda Item 6.1.2 on the Cloud Atlas.

Agenda Item 3.1 - Membership of Regional Associations

28. Because difficulty had been experienced by the Secretariat in carry-
ing out Resolution 1 (EC-III) in regard to the time-limit within which object-
ions might be raised to applications for membership in Regional Associations, 
it was decided that this resolution should be amended so that the period 
would begin with the date the notification was sent to Member. Resolution 1 
(EC-IV) which cancels Resolution 1 (EC-III) was approved. There was discuss-
ion of the relation between General Regulations 113 and 114 and Article 18 
(a) of the Convention, but decision on the conflicting views in this matter 
was deferred until Second Congress, where it could be taken up in connection 
with proposed revision of the General Regulations.

Agenda Item 3.2 - Competency of Permanent Representatives

29. Note was taken of the results obtained by the Secretary-General from 
enquiry made of Members as to the authority given to Permanent Repre-
sentatives. This enquiry had been undertaken in accordance with directives given
in the Third Session of the Executive Committee. The Secretary-General was directed to continue this enquiry until all Members have appointed Permanent Representatives and had entrusted them with clearly defined duties within the Organization.

**Agenda Item 3.3 - Relations with non-Members**

30. The Executive Committee noted the results of the action undertaken by the Secretariat on instructions given in Resolution 10 (EC-III) for the purpose of making an eventual determination as to the non-Member countries with whom the WMO could co-operate. It instructed the Secretariat to continue the implementation of Resolution 10 (EC-III). In order to assist Members in their comments, the list to be forwarded to them in accordance with paragraph 2 of Resolution 10 (EC-III) will be accompanied by all information possessed by the Secretariat in regard to non-Members appearing in the list. It was noted that the Secretariat may, if necessary, request the President of the Organization to consult members of the Executive Committee in view of the results of this enquiry.

**Agenda Item 3.4 - Membership of Executive Committee (Vacancies to be filled)**

31. Dr. O.G. Sutton, United Kingdom, and Mr. E.W. Timcke of Australia were designated as acting members of the Executive Committee to serve until the next session of Congress in accordance with General Regulation 99, to fill the vacancies left by the death of Dr. M. Aslam of Pakistan and the retirement of Sir Nelson Johnson as Director of the Meteorological Office of the United Kingdom. The Executive Committee decided that it was not competent to fill the vacancy left by the retirement of Dr. V.V. Sohoni as Director-General of Observatories, India, and by his resignation as President of Regional Association II. It decided further that the election of the President of Regional Association II shall in the present exceptional circumstances be conducted by mail by the Secretariat of the Organization in collaboration with the Acting President of that Association.

**Agenda Item 3.5 - Legal status of IMO resolutions**

32. In reply to a question by the Secretariat concerning the legal status of certain resolutions the following explanations were agreed:

(a) The provisions of Article 8(b) of the Convention do not apply to the technical resolutions taken over by WMO from IMO, but Members should nevertheless comply with the provisions of these resolutions unless serious reasons prevent them from doing so.

(b) The provisions of Article 8 of the Convention do not apply to the resolutions of the Executive Committee unless these are adopted under Article 14(b) of the Convention.

(c) The approval and publication, in the form of Manuals, Guides, etc., of recommended practices or procedures, shall be effected on the authority of the Congress or the Executive Committee.
33. The question of waiving the privileges and immunities accorded by the Government of Switzerland to the members of the Executive Committee and the Secretary-General was raised by the Secretary-General on the basis of experience of other organizations. In particular, cases had arisen where it was necessary to waive immunities in order to permit police investigation of accidents on premises of the United Nations. In regard to the waiver of immunities enjoyed by members of the Executive Committee, it was decided that until an agreement is concluded between the Swiss Federal Council and the WMO, it is unnecessary to establish a formal procedure. The Second Congress should be asked to authorize the Executive Committee to waive the immunities enjoyed by its members on the sole basis of their membership on the Committee. Regarding the waiver of immunities enjoyed by the Secretary-General, it was decided provisionally, subject to decision by Congress, that the waiver of immunities which the Secretary-General may enjoy now or in the future, is within the competence of the Executive Committee itself or, when the latter is not sitting, of the President of the Organization.

34. To facilitate the preparation of the Annual Report by the Secretariat and in the interests of economy a single Annual Report distributed to Members and to the United Nations was considered to be sufficient.

35. The deadline date previously established for sending the Annual Report to Members was 1 March; it was agreed to change this date to 31 March so that it would correspond more closely to the usual deadline date for submission of the Report to the United Nations. This change is included in Resolution 52 (EC-IV).

36. In regard to the arrangement of the Annual Report the Executive Committee decided to leave to the Secretary-General the decision as to organization of the contents so as to satisfy, as far as possible, the requirements of the Economic and Social Council, on the one hand, and of Members, on the other. It recommended that the Secretary-General keep Members informed of developments in the United Nations as regards budgeting and preparing of reports by Specialized Agencies on a two-year basis, so that the question may be examined at the next Congress in full knowledge of the facts. The present practice of issuing annual reports will in the meantime be continued.

37. It was decided to adopt an abridged form of report for sessions of the Executive Committee, containing the resolutions adopted during each session and a summary of the proceedings. This will not affect the procedure for approval of the Minutes. The abridged report will include as Annex II a list of all the resolutions adopted since the First Session of the Executive
Committee and still in force. The abridged report is to have the same distribution previously given to resolutions of the Executive Committee. It was further agreed that the Secretariat should study the possibility of publishing, after the Fifth Session of the Executive Committee, in a small volume, all the Executive Committee resolutions in force, in order to facilitate the work of the Second Congress.

3.8.2 Rules for co-ordination of work between constituent bodies

38. In response to questions raised by the Secretariat under this item in regard to the format of reports of sessions of Regional Associations and Technical Commissions, it was decided that no directives other than those given in Resolution 5 (EC-III) and 6 (EC-III) were needed at this time and that in developing these formats the Secretary-General should take into account suggestions offered by the Presidents of various constituent bodies.

Agenda Item 4. - External relations

39. The Committee noted the Secretary-General's report on the present status of negotiations with the Swiss Federal Government and decided to instruct the Secretary-General to continue these negotiations, being guided by the principle that the privileges and immunities granted to the World Meteorological Organization in the future Agreement should not be less favourable than those granted by the Swiss Federal Government to the World Health Organization, since the Agreement between the WHO and the Swiss Federal Government was the basis on which negotiations had previously been undertaken.

40. Following a discussion with the Representative of the Food and Agriculture Organization it was pointed out that a statement of specific requirements of FAO would be welcomed by Directors of Meteorological Services. It was decided that the brief to be prepared for Dr. J.J. Burgos, President of CAM, when he represents the WHO at the FAO Conference in Rome in November 1953, should contain a reference to the variability of meteorological factors and a specific mention of the subjects of precipitation intensity, relative humidity, evaporation and soil temperature, as factors of ecological importance, also to the publication of frequency and range, and the usefulness of climatic atlases. The problem of locust control was also discussed and it was agreed that the work referred to in Recommendation 10 (I-RA I) should be noted with approval and brought to the attention of FAO.

41. The UNESCO Representative at the session reviewed the background of the work of the UNESCO on Arid Zone Research, suggested the specific fields in which UNESCO needed the collaboration of the WHO, and outlined the activity of the UNESCO in the field of bibliography, in which WHO is also interested. The Arid Zone programme of the UNESCO was established in its present form in 1951, following discussion and study in the UNESCO Secretariat on
the basis of a proposal made by the delegate of India at the Third General Conference in 1948. As a result of discussions in the 1949 and 1950 General Conferences, an Advisory Committee on Arid Zone Research had been set up to advise the Executive Board and the Director-General on the implementation of special projects relating to arid zones within the framework of the general UNESCO programme, taking into account related programmes of the United Nations and the other Specialized Agencies. It was the practice to invite the United Nations, the other Specialized Agencies and the non-governmental scientific and technical organizations to sessions of the Advisory Committee and, more recently, to open sessions also to members of the panels of honorary consultants who were nationals of the country in which the sessions were being held.

42. The UNESCO Representative considered that co-operation between WMO and UNESCO should be very close because aridity was usually due to climatic conditions. It would fall into two categories: general collaboration in the development of the Arid Zone programme as a whole, and particular collaboration on specific aspects of the programme activities. The first case would be covered by the attendance of WMO representatives at sessions of the Advisory Committee, and of UNESCO representatives at sessions of the WMO Technical Commissions and Regional Associations. Collaboration would be strengthened by the appointment of a liaison officer in each Organization, and the Director-General of UNESCO has asked the UNESCO Representative at the Fourth Session of the Executive Committee to act in that capacity. In the second case, opportunities for collaboration would vary according to the subject chosen for research, and would, for example, be less for the coming year's subject—human and animal ecology—than for the 1955 subject—bioclimatology of the arid zone. In connection with the current year's subject—wind and solar energy and the symposium to be held next year, WMO's collaboration would be very useful in drawing up the programme of the symposium and selecting the persons to be invited.

43. In the field of bibliography, there were wide possibilities of co-operation. The Libraries Division of the Department of Cultural Activities in UNESCO administered an International Advisory Committee on Bibliography, to maintain contact with such bodies as the International Federation for Documentation and the International Federation of Library Associations. The Libraries Division was also responsible for co-ordinating the documentation interests of other departments of UNESCO such as the Department of Social Sciences and the Department of Natural Sciences which had set up an Advisory Committee for Documentation. The Director-General of UNESCO had been authorized to advise and encourage international organizations concerned with the development and improvement of scientific documentation, the standardization of terminology, the compilation of multilingual dictionaries and the improvement of scientific translations. In this, he was helped by the International Advisory Committee on Bibliography. Special attention was also being paid to language questions affecting science.

44. The Executive Committee noted with satisfaction that negotiations had been undertaken in accordance with Resolution 9 (EC-III) and considered that negotiations should be continued in order to reach agreement, as provided for in the above-mentioned resolution. The Executive Committee also considered that in view of the wide scientific field of interest of UNESCO,
the collaboration of WMO with UNESCO was likely to lead to particularly fruitful results. The Executive Committee authorized the Secretary-General, in consultation with the President, to proceed with an exchange of letters with the Director-General of UNESCO, agreeing upon the principle of cooperation and providing for exchange of information of mutual interest in their regular programmes and in technical assistance programmes, and for specific agreements on individual projects in meteorology, whenever such agreements are mutually desirable and within the actions authorized by the Committee.

**Agenda Item 4.4 - Approval of agreement with United Nations for health protection and social security for the staff of WMO**

45. The Executive Committee took note of the implementation of Resolution 52 (EC-III) and of the agreement concluded by the Secretariat.

**Agenda Item 4.5 - Negotiations on admission of WMO to an administrative tribunal**

46. The Executive Committee noted that:

(a) Resolution 678 (VII) of the United Nations General Assembly, as well as an arrangement accepted by all the Specialized Agencies, requests all Specialized Agencies to recognize the Administrative Tribunal of the United Nations for cases relating to the statute of the Joint Staff Pension Fund;

(b) The recognition of the ILO Tribunal for cases relating to the Staff Regulations does not involve the Organization to any annual expenditure, while the recognition of the United Nations Tribunal would call for the payment of an annual contribution to the expenditure, whether or not there were cases which concerned WMO;

(c) All Specialized Agencies with their Headquarters in Europe, except the FAO, have recognized the ILO Administrative Tribunal for cases concerning Staff Regulations (the FAO has not yet recognized any tribunal), while no Specialized Agency has so far recognized the UN Tribunal;

(d) No Specialized Institution has yet reached a formal decision as regards the recognition of an administrative tribunal for questions relating to the statute of the Joint Staff Pension Fund.

47. The decision of the Executive Committee regarding the acceptance of the ILO Tribunal for appeals relating to non-observance of Staff Regulations and Rules is recorded in Resolution 6 (EC-IV). In regard to the selection of an administrative tribunal for matters relating to staff pensions, the Committee considered that the Secretary-General should continue to examine this question.
GENERAL SUMMARY

Agenda Item 4.6 - Draft agreement on working arrangements between WMO and ICAO

48. The Executive Committee approved the proposed working arrangements which had been negotiated with the International Civil Aviation Organization and which had been accepted by the ICAO Council. Its decision is recorded in Resolution 3 (EC-IV).

Agenda Item 4.7 - Agreement with UN on the admission of the WMO into UNJSPF

49. The Executive Committee took note that, in accordance with Resolution 39 (EC-II), the Secretary-General of WMO had signed the agreement in question.

Agenda Item 4.8 - Public information

50. In recognition of the usefulness of exhibits and other public information services in making known the activities of the Organization, the Executive Committee decided to make a modest provision in the budget therefor. It agreed to instruct the Secretariat to make an enquiry among Directors of Meteorological Services and also among private firms as to existing films on Meteorology, and to prepare a recommendation for consideration by the Fifth Session of the Executive Committee without incurring any costs for production without approval of the Committee.

Agenda Item 4.9 - Relationship between WMO and non-governmental organizations

51. It was agreed to establish a "consultative status" for non-governmental international organizations and to negotiate for their collaboration on this basis. The decision of the Committee is embodied in Resolution 2 (EC-IV).

Agenda Item 4.10 - Working arrangements between WMO and IUGG

52. With the agreement of the IUGG Representative, Resolution 4 (EC-IV) and annex were adopted by the Executive Committee.

Agenda Item 5 - Technical Assistance

53. The sub-items were not specifically discussed. The Secretariat presented a report on the status of the programme, pointing out its significant development since the beginning in 1952. In that year only three countries benefited from the WMO programme, whereas in 1953 approximately nine countries will participate, and the plans for 1954 envisage operations in more than thirty countries. The Committee considered that negotiations for a new working arrangement with the United Nations Technical Assistance Administration for 1954 should be on the same basis as in the two earlier years. The activities of the Secretariat in this programme were noted with approval in Resolution 5 (EC-IV).
GENERAL SUMMARY

Agenda Item 6 - Technical matters

6.1.1 - Technical Regulations and recommended practices

54. Considerable time was spent in developing the principles for preparation of the Draft Provisional Technical Regulations to be presented to the Second Congress. The Provisional Drafts of the Commissions for Aerology, Climatology, Maritime Meteorology, Synoptic Meteorology and Instruments and Methods of Observation were available for examination. It was decided that these Drafts, together with those of the remaining Commissions which will meet during the next few months, should be assembled by the Secretariat and distributed to Permanent Representatives of Members as soon as possible. Guidance in determining the obligatory nature of the Regulations was given. The decisions are summarized in Resolution 7 (EC-IV).

6.1.2 - Cloud Atlas

55. The recommendations of the Commission for Synoptic Meteorology concerning the revision of the format of the Cloud Atlas had already been approved by the Committee by mail vote. Resolution 30 (EC-IV) records this approval and establishes certain arrangements for early completion of the project.

6.1.3 - Thunderstorm statistics and charts

56. The Secretariat presented information concerning the thunderstorm data available as a result of enquiries sent to Members. The data has now been tabulated and can be readily reproduced in mimeograph form. The completion of thunderstorm charts in the whole globe would involve analysis of a large quantity of marine data and as the original demand for these charts arose from the International Consultative Committee on Radio, it was decided that the Secretariat should discuss with them whether the efforts involved would be justified. In the meantime, it was decided that the tables already prepared should be published.

6.1.4 - New forms of meteorological messages

57. This item was treated in conjunction with the Report of the Commission for Synoptic Meteorology.

6.1.5 - International Ice Nomenclature

58. Although most Regional Associations had agreed to the nomenclature proposed by the Commission for Maritime Meteorology, it was noted that at least three Members had indicated objections. Since these Members are all strictly concerned with this problem, it was decided to refer their comments, as a matter of urgency, to the President of the Commission for Maritime Meteorology, with the request that a revised nomenclature be submitted to the Fifth Session of the Committee.
6.1.6 - Publication of an international list of selected and supplementary ships

59. On the basis of a recommendation of the Commission for Maritime Meteorology, in which the Commission for Synoptic Meteorology had concurred, the Committee decided in Resolution 31 (EC-IV) to instruct the Secretariat to publish an international list of selected and supplementary ships, and to revise the list at six-monthly intervals.

6.1.7 - Publication of world meteorological data

60. The need for additional publication of aerological and surface data was discussed thoroughly. Specific recommendations had been made by the Commissions for Aerology and Climatology and the substance of these was incorporated in Resolutions 36 (EC-IV), 39 (EC-IV) and 41 (EC-IV). It was also decided to record in the Minutes that Services should be encouraged to publish data for the years 1935 to 1949 in the same form as the Réseau Mondial, since that publication has been discontinued.

6.1.8 - Meteorological problems in the field of aeronautics

61. Although considerable information on this subject had been supplied by the Secretariat, the Committee considered that the working arrangements with ICAO which were agreed in this session permitted the Secretariat to take most of the necessary actions without further reference to the Committee. However, it was noted that there will be a North Atlantic Ocean Station Conference early in 1954, under the sponsorship of ICAO, at which time the entire ocean station plan will be discussed. It was considered desirable to state the opinion of the Organization that this programme is essential to the continued development of meteorological science and forecasting. This statement is contained in Resolution 10 (EC-IV).

6.2.1 - Arid Zone research

62. Being aware of the priority accorded to this problem by the United Nations, UNESCO and other Specialized Agencies, and considering the importance of meteorology and climatology in Arid Zone problems, the Committee established the policy of the Organization which provides for continued active participation in the programme. A representative of UNESCO outlined the activities of that Organization's Advisory Committee on Arid Zone research, and emphasized the need for WHO's participation in the meteorological aspect of the work. A member of the Executive Committee, who serves on the WMO Arid Zone Panel, was also able to give useful information concerning the Panel's work. The decision of the Committee is contained in Resolution 8 (EC-IV).

6.2.2 - Third International Geophysical Year

63. The report of the Chairman of the Working Group on the International Geophysical Year was studied in detail. It was decided that the Organization should participate in the International Geophysical Year, and that the working group should be reconstituted in order to develop the programme further. The group will report to the next session. Resolution 9 (EC-IV)
was agreed. It was further decided to invite Dr. T.E.W. Schumann to be the second WMO Representative on the Special Committee on the International Geophysical Year.

6.3.1 - Commission for Climatology

64. The Report of the First Session of the Commission for Climatology was studied, and a general resolution covering all of the Commission's recommendations is contained in Resolution 34 (EC-IV). Several items were considered to be of sufficient importance to require separate Executive Committee resolutions.

65. Resolution 12 (EC-IV) instructs the Secretary-General to obtain additional information concerning the International Computation Centre to be established in Rome by UNESCO. A similar recommendation had been put forward by the Commission for Aerology.

66. Following the recommendation of the Commission for Climatology for publication of directories of climatological stations, Resolution 37 (EC-IV) was adopted. It requests publication of such information by all Meteorological Services.

67. The Committee discussed the indicated need of hydrological services for specific information concerning flood producing storms. Resolution 38 (EC-IV) calls upon Services to publish special surveys of such storms, giving particular consideration to the synoptic, climatological and hydrological aspects.

68. The Committee considered that additional survey of the problems of measurement of earth temperature is necessary, and referred this problem in Resolution 51 (EC-IV) to the Technical Commissions concerned.

69. The Committee appreciated the value of a publication such as World Weather Records, and recommended that Services publish data for all stations which appear in the latest edition of that publication, in order to facilitate preparation of later volumes. Resolution 35 (EC-IV) was adopted concerning this question.

6.3.2 - Commission for Synoptic Meteorology

70. The recommendations of the First Session of the Commission for Synoptic Meteorology were considered in detail and Resolution 20 (EC-IV) indicates briefly the action taken on all recommendations. The following items were considered to be of sufficient importance to justify preparation of specific Executive Committee resolutions.

71. The desirability of including call signs in collective messages of ship reports had been discussed by the Commission for Maritime Meteorology and the Commission for Synoptic Meteorology. It was decided to recommend that Members should arrange with telecommunication services for inclusion of 4-letter call signs in the preamble of weather messages from selected and supplementary ships when transmitted from coastal receiving stations.
to collecting centres. Resolution 24 (EC-IV) also specifies that when inclusion of call signs is not possible, the identification of ships should be made by name or by special number.

72. The recommendation of the Commission for Synoptic Meteorology on the frequency of intermediate synoptic observations was discussed at length. It was specifically pointed out that the times of intermediate observations should be agreed over large areas in order that uniformity of practice can be maintained as far as possible. Resolution 22 (EC-IV) provides for this arrangement.

73. The Committee studied the decision of the International Telecommunication Union that no preferential rate should be granted for meteorological telegrams, and decided in Resolution 33 (EC-IV) to direct the Secretary-General to ascertain from Members the importance of such special rates, and to submit the results of this study to the President of the Commission for Synoptic Meteorology.

74. The Committee accepted the recommendations of the Commission for Synoptic Meteorology concerning analysis areas and exchange of analyses. Since it was felt that this is largely a problem for Regional Associations, it was decided in Resolution 25 (EC-IV) to refer the matter to the Presidents of Associations and to the Presidents of the Commissions for Aeronautical and Synoptic Meteorology, together with certain guidance for their consideration.

75. The general plan for continental and sub-continental meteorological broadcasts was accepted and referred in Resolution 27 (EC-IV) to Presidents of Regional Associations and the President of the Commission for Synoptic Meteorology.

76. Resolution 26 (EC-IV) establishes detailed procedure for radiotelegraph meteorological broadcasts.

77. The Commission for Synoptic Meteorology had recommended further development of the use of facsimile transmissions in communicating meteorological information. Some members felt that early standardization of facsimile equipment would be desirable, whereas others considered that significant equipment developments are now in progress which would make standardization at this time premature. It was decided in Resolution 28 (EC-IV) that further development of facsimile should be encouraged, that international transmissions should be made known to the Secretariat, and that the Secretary-General should obtain information from Members on the present use of facsimile and prepare a consolidated report for distribution to Members.

78. The Committee decided to treat the various recommendations concerning code and code specifications as a group. Consequently specific details of the codes were not considered. It was decided to implement most of the new codes with effect from January 1, 1955. It was felt that these recommendations of the CSM represent a considerable step forward toward really universal codes. However, several members expressed the opinion that a careful
study of the development of codes should continue in the Commission for Synoptic Meteorology, and several principles for guidance in this study were stated. For example, it was suggested that synoptic codes should contain only those elements that are desirable for general forecasting, and that they should have a universal character but with variants considered necessary in different climatic areas. The President of the Commission has agreed to undertake a thorough examination of the problem over the next few years. Resolution 21 (EC-IV) decides upon the acceptance and implementation of the new codes.

79. Resolution 23 (EC-IV) decides that degrees Celsius will be used for coding temperatures in upper-air reports.

80. The question of units in meteorological messages was discussed at various times, and it was agreed that the entire problem would be referred to the Congress.

6.3.3 - Commission for Aerology

81. The recommendations of the First Session of the Commission for Aerology were studied in detail. Resolution 40 (EC-IV) indicates briefly the action taken on each of the recommendations.

82. The Committee agreed with the statement of the Commission that some re-computation and revision of international meteorological tables was desirable, and decided in Resolution 13 (EC-IV) to establish a working group to study this problem and to report to the next session of the Committee. The Commission for Synoptic Meteorology and the Commission for Aerology adopted similar recommendations concerning a study by the Secretariat of weather analysis symbols and frontal terminology. These recommendations were combined in Resolution 29 (EC-IV) which authorizes such a study and requests the assistance of Directors of Meteorological Services.

83. The Commission called attention to the variability in definitions of tropopause used by Meteorological Services. It established a provisional definition in Resolution 42 (EC-IV) with the request that Services use it for one year and report upon their findings.

84. Noting the need for a new publication on atmospherics techniques, the Committee passed Resolution 43 (EC-IV) directing the Secretariat to prepare a report describing techniques currently employed.

85. In Resolution 45 (EC-IV) the Committee directed the Secretariat to collect information and prepare a report on experimental research on aircraft icing. This report is to be submitted to the President of the Commission for Aerology and to be ready for consideration at the First Session of the Commission for Aeronautical Meteorology.

86. The accuracy of information obtained by means of atmospherics was discussed. It was felt that additional study is necessary and it was therefore decided to request the Directors of the Meteorological Services of France, Switzerland and the United Kingdom to arrange for comparison tests.
which would be published in a report by the Secretariat. This decision is embodied in Resolution 44 (EC-IV).

6.3.4 - Commission for Instruments and Methods of Observation

87. The Report of the First Session of the Commission for Instruments and Methods of Observation was considered in detail. Resolution 46 (EC-IV) indicates briefly the action taken on each recommendation. Specific items requiring Executive Committee resolution are listed below.

88. The Guide to International Meteorological Instruments and Observing Practices was the subject of considerable discussion. It was felt that the Guide should be kept up to date and that it should conform to and supplement the Technical Regulations. The Secretary-General was instructed in Resolution 47 (EC-IV) to carry out these objectives.

89. It was decided in Resolution 48 (EC-IV) that Members should apply the International Barometer Convention with effect from 1 January 1955.

90. Desirability of comparing performance of radiosonde was generally accepted and made the subject of Resolution 50 (EC-IV).

91. There was considerable discussion on the importance of measurement of radiation and particularly on the necessity for regular calibration of radiation instruments. The decisions are contained in Resolution 49 (EC-IV).

6.3.5 - Regional Association I

92. The Report of the First Session of Regional Association I was considered in detail. Resolution 16 (EC-IV) indicates the disposition of the various recommendations and resolutions. Specific Executive Committee resolutions were not necessary except in so far as the report of the Region was discussed under other Agenda items.

6.3.6 - Regional Association III

93. The Programme Committee discussed the recommendations and resolutions of Regional Association III and the Committee passed Resolution 17 (EC-IV) disposing of the items. Further resolutions were not necessary because the subject matter was treated under other Agenda items.

6.3.7 - Regional Association IV

94. In Resolution 18 (EC-IV) the recommendations and resolutions of Regional Association IV are treated. Most items did not require special resolutions but it was felt that the suggestions of both Regional Associations I and IV concerning meteorological networks in the tropics, especially for radiosonde stations, should be considered further. Resolution 32 (EC-IV) referred this matter to the President of the Commission for Synoptic Meteorology for early consideration. He was asked to consider the desirability of strengthening the CSM Working Group on Networks by adding one or two experts on tropical meteorology.
6.4 - Review of most important Meteorological Services requirements

Although it was not felt necessary to take specific decisions on this item, there was some useful discussion of major problems facing Meteorological Services and it is hoped that in future sessions it will be possible to allow more time for discussions of this type.

6.5 - WMO scientific documents

After much useful discussion of the type of material which could be included in a new technical publication, it was decided that certain material such as important documentation for sessions of constituent bodies, should be included in a new series of papers and entitled "WMO Technical Notes". The guidance to the Secretariat for preparation of this publication is contained in Resolution 14 (EC-IV).

Agenda Item 7.1 - Staff matters

The Executive Committee noted that a document on this question which was to have been submitted at request of the Staff Association, would not be submitted as the Staff Association had withdrawn the document.

The following staff promotions and salary variations, and new appointment were confirmed by the Executive Committee:

(1) The promotion of Mr. Veranneman to the post of Senior Technical Officer (Grade F-3).

(2) The transfer of Mr. Munteanu to the External Affairs Section, as External Relations Assistant at Grade 6 salary with nine annual increments.

(3) The increased salary for Mr. Cook retroactive to 1 June 1953.

(4) A two years contract for Mr. Bahr in the post of Chief of Administrative Division (Grade P-3).

The Committee approved the acceptance by the Acting Secretary-General of the Buys-Ballot Medal awarded to him by the Royal Netherlands Academy of Sciences.

Agenda Item 7.2 - Secretariat's assistance to Technical Commissions and Regional Associations

Under this item, the question of assistance to Technical Commissions and Regional Associations was discussed and the following proposals were adopted:

(a) Assistance between sessions

The Secretariat was requested to provide information showing the increase in aid provided by the Secretariat in order that the matter could be fully discussed at the next Congress.
(b) Assistance in the course of a session

The Executive Committee considered that the present practice should be continued, according to which the host country supplied the necessary Conference staff and that no measures should be adopted whereby such staff would be provided by the WMO.

101. The acceptance of invitation from a Member country to hold a session of a constituent body in that country should depend upon the secretarial facilities offered by that inviting country.

102. The Second Congress could nevertheless study the possibility of recruiting locally and at the expense of the Organization, additional secretarial staff when the country whose invitation had been accepted was really unable to provide a complete secretariat.

It was concluded that, under Regulation 141 (b) of the General Regulations the Secretary-General was empowered to send a representative or representatives, and could adopt the measures which appeared to him to be the most suitable in view of the nature and importance of the agenda and in consultation with the President of the constituent body concerned. A similar procedure may be followed in respect of working groups in conformity with Resolution 35 (EC-III).

Agenda Item 7.3 - Review of the Internal Staff Rules

103. The Committee confirmed the action of the President in approving the payment of a travel subsistence allowance to the P-2 Officer attending the First Session of CCl and CSM in Washington.

Amendment to Internal Staff Rule 101 (b)

104. Resolution 58 (EC-IV) was adopted bringing Staff Rule 101 (b) into line with the United Nations Rule governing the travel expenses of staff members.

Payment of dependency allowance

105. The Committee examined the proposals of the Staff Association of the WMO Secretariat and decided that the matter should be deferred to the next session of the Executive Committee.

Agenda Item 7.4 - Insurance of WMO against accidents of the staff

106. The Committee adopted Resolution 59 (EC-IV) authorizing the Secretary-General to complete negotiations in order to take all necessary steps for the purpose of paying reasonable compensation in the event of death, injury, or any other disability attributable to service as defined in Rule 132 of the Internal Staff Rules of the WMO.
Agenda Item 7.5 - Consideration of financial accounts of WMO for 1952

107. The Committee approved the financial report of the Secretary-General for 1952 and adopted Resolution 53 (EC-IV) authorizing the Secretary-General to write down the fixed assets to 1 U.S. dollar ($1).

Agenda Item 7.6 - Financial Status for 1953 - Report

108. After consideration of this report Resolution 54 (EC-IV) was adopted authorizing the Secretary-General to make necessary transfers between certain parts of the budget for the year 1953.

Status of the funds of the International Meteorological Organization

109. The Committee studied a statement of the available funds of the former International Meteorological Organization and, noting the estimated surplus from the funds which would be available at the time of the Second Congress, decided that the utilization of these funds should be thoroughly studied to assist the Secretariat in making a report for submission to the Second Congress in accordance with Resolution 14 (I).

Agenda Item 7.7 - WMO Budget for 1954

110. The Committee approved Resolution 55 (EC-IV) adopting the annual budget for 1954. Resolution 57 (EC-IV) was also approved in which it was decided that the advances to the Working Capital Fund for the financial year shall be 7% of the contributions for that year as approved in Resolution 55 (EC-IV).

111. The Secretariat was authorized to prepare a Contributions Table along the lines of that adopted for contributions from Members for the financial year 1953.

Financing of travel expenses and allowances of the working groups of constituent bodies

112. It was decided that the Secretariat should make an enquiry among the constituent bodies concerned and especially among the Presidents of Technical Commissions, in order to ascertain the number of sessions, their duration and the relative amount of the expenses involved in order that the question could be examined at the next Congress.

Agenda Item 7.8 - Scale of contributions

113. The Committee adopted Resolution 56 (EC-IV) detailing the provisional contributions by prospective new Members of the Organization. It decided:

(1) That the question of the contribution of the German Democratic Republic could be submitted either to the Fifth Session of the Executive Committee or to Second Congress; and
GENERAL SUMMARY

(2) That with respect to the Republic of Korea the Executive Committee found insufficient information available on which to make a proposal concerning the proportional contribution and deferred the apportionment of its contribution until a later date.

Agenda Item 7.9 - Plan for permanent building for WMO

114. It was decided that no action could be taken on this matter until the next session of the Executive Committee. However, if any new concrete suggestions should become available, the President will present a proposal for the consideration of the members of the Executive Committee by mail.

Agenda Item 7.10 - Staff pension plan

WMO representation at sessions of the United Nations Joint Staff Pension Board

115. It was decided that WMO representation at the sessions should be decided by the Secretary-General in the light of the sessions' agendas submitted to him.

Administrative expenses of the United Nations Joint Staff Pension Board

116. The Committee approved the payment of the Organization's share of these administrative expenses.

Staff pension plans

117. The Committee noted:

(1) The stage which had been reached in carrying out the provisions of Resolution 39 (ESC-II); and

(2) That the final amount required from the WMO surplus funds to implement these provisions would not exceed the ceiling amount of U.S. dollars 50,000 specified in paragraph 10 of the Annex to Resolution 39 (ESC-II).

Agenda Item 8 - Preparation for Second Congress

8.1 - Fixing of date

118. After reviewing the financial situation and the need for sufficient time to consider carefully the programme, budget, Secretariat establishment and other items involved in the planning for the second financial period of the Organization, the Executive Committee decided that the Second Congress should open on or about 8 April 1955 and be preceded by a session of the Executive Committee lasting a few days as found necessary for the work to be done.
8.2 - Establishment of draft agenda and discussion of questions relating thereto

8.2.1 - Examination of draft agenda for Second Congress

119. It was decided that the draft agenda contained in Annex I to this abridged report should be distributed together with explanatory memoranda to Members as soon as the exact date and place of the Second Congress have been fixed. Should the Secretariat receive numerous or important comments on these provisional documents, it would send out a second provisional agenda at least four months before the Second Congress.

120. It was further agreed that the Chairmen of the two working committees of the sessions should be responsible for preparing and co-ordinating a report on the Technical Programme of the Organization, including new projects proposed for the second financial period, and the effect of such a programme on the Secretariat's establishment. The report would be submitted to the Fifth Session of the Executive Committee.

8.2.2 - Questions relating to further policies pertaining to application of Technical Regulations

121. Action on this subject was taken under Agenda Item 6.1.1.

8.2.3 - Review of WMO General Regulations

122. The action taken on this subject is reported under Agenda Item 2.5.

Agenda Item 8.2.4 - Review of WMO Financial Regulations

123. The following addition to the Financial Regulations was proposed for consideration of the next Congress:

(1) Insert the following article between Articles 16.1 and 16.2:
"16.1 bis. In case of necessity and with the approval of the President of the Organization, the Secretary-General shall be authorized to consult Members by correspondence for the purpose of securing their agreements in financial matters which are beyond the competence of the Executive Committee;"

(2) Insert between Articles 16.2 and 16.3 the following Article 16.2 bis:
"16.2 bis. Replies to consultations provided for in Articles 16.1 and 16.2 must reach the Secretariat not later than ninety days after the date on which the correspondence was dispatched by the Secretariat;"

(3) The numbering of Articles beyond 16.1 should be modified accordingly.

(4) Amend Article 14.4 to read: "... not later than 28 February following the end of the financial year".
124. The Committee agreed that the above-proposed addition should serve as a guiding rule to the Secretariat pending a decision by Congress.

**Agenda Item 8.2.5 - Note on the technical programme of the Organization and new projects proposed for the second financial period**

125. As indicated under Item 8.2.1 above, a report is to be prepared for consideration at the Fifth Session of the Executive Committee.

**Agenda Item 8.4 - Local arrangements**

126. The Secretary-General was instructed to negotiate with the European Office of the United Nations for facilities on holding the Congress. Information was received from the Swiss Federal Council to the effect that Switzerland would be unable to lend financial or material assistance to the session.

**Agenda Item 9 - Date and Place of Fifth Session of the Executive Committee**

127. It was decided that the Fifth Session of the Executive Committee would begin in late August or early September 1954, should last two weeks or slightly more, and should close prior to the Rome meeting of IUGG, the exact dates to be decided later by mail.
Res. 1 (EG-IV) - ADMISSION OF A MEMBER OF THE WORLD METEOROLOGICAL ORGANIZATION TO A REGIONAL ASSOCIATION

THE EXECUTIVE COMMITTEE,

NOTING that neither the Convention of the World Meteorological Organization nor the General Regulations specify precisely the procedure for admission of a Member to a Regional Association;

DECIDES,

(1) That the matter be raised at the next session of Congress for decision;

(2) That in the meantime the following procedure should be followed:

(a) The Member shall submit a letter of application to the Regional Association concerned through the Secretary-General in accordance with General Regulations 114 and 141 (5);

(b) The letter of application shall formally certify that the conditions laid down in General Regulation 113, are satisfied by the Member;

(c) The Member shall be deemed as admitted to the Regional Association, if its Members, having been informed by the Secretary-General of the application as indicated in sub-paragraph (a) above, raise no objections within ninety days after despatch of the notification;

(d) Should a session of the Regional Association commence less than ninety days after notification of the application, the application may be examined but a final decision cannot be made at the session. As an exception, however, if all Members of the Regional Association are represented at the session, an application, whether or not it has been previously submitted to the Secretary-General, may on a unanimous vote, be given consideration by the session, and if no objection is raised, the Member is deemed to be admitted to membership of the Association;

(e) In all cases, the date of admission to membership shall be the date of receipt of the application by the Secretary-General;

(f) If any objection has been raised, the matter will be referred to the next Congress for decision in accordance with General Regulation 114. Such an objection shall formally certify the details in respect of which the conditions specified in General Regulation 113 are not met by the applicant;

(g) The procedure described above shall not apply to applications for membership of Regional Associations already submitted by Members of the Organization who were represented by delegates at the First Congress of the Organization; and
RESOLUTION 2 (EC-IV)

CANCELS Resolution 1 (EC-III).

Res. 2 (EC-IV) - CONSULTATIVE STATUS OF NON-GOVERNMENTAL INTERNATIONAL ORGANIZATIONS

THE EXECUTIVE COMMITTEE,

CONSIDERING,

(a) The provisions of Article 26(b) of the Convention and of paragraph (c) of Resolution 9(I);

(b) The considerable interest which the World Meteorological Organization has in co-operation with the non-governmental international organizations;

DECIDES to create for these organizations the consultative status defined in the Annex to the present resolution; and

DIRECTS the Secretary-General:

(1) To inform the non-governmental international organizations which are interested in the work of the World Meteorological Organization of the definition of this status;

(2) To negotiate with the various organizations regarding the recognition of this status in respect of them;

(3) To submit to the Executive Committee a report on the said negotiations so as to permit application of the provisions governing the consultative status.

ANNEX

DEFINITION OF THE CONSULTATIVE STATUS WHICH MAY BE ACCORDED BY THE WORLD METEOROLOGICAL ORGANIZATION TO NON-GOVERNMENTAL INTERNATIONAL ORGANIZATIONS

1. Consultative status may be granted to all the non-governmental international organizations which request it, after the World Meteorological Organization Executive Committee accepts their affiliation.

2. Consultative status accords a non-governmental international organization:

   (1) Entitlement to be represented by an observer without voting rights at sessions of the World Meteorological Organization Congress;
(ii) The possibility of being invited by the Secretary-General, after consultation with the President of the constituent body concerned, to sessions of the Regional Associations or of the Technical Commissions in which it is interested;

(iii) Entitlement to present, at these meetings, working documents on items on the agenda of the meeting which are of particular interest to it;

(iv) Entitlement to propose items for the agenda of the meetings to which it has been invited;

(v) Entitlement for the observer of the organization in question to speak on the items concerning it, before the Associations or Commissions, with the prior consent of the President of those bodies; an observer at the Congress may speak subject to the prior consent of the Bureau of Congress.

3. The World Meteorological Organization requires a non-governmental organization to which it accords consultative status:

(i) To inform the Secretary-General in which Regional Association and/or Technical Commission of the Organization it is particularly interested;

(ii) To accord the Organization the same privileges as the Organization grants it.

RESOLUTION 3 (EC-IV)

Res. 3 (EC-IV) - RELATIONSHIP BETWEEN THE WORLD METEOROLOGICAL ORGANIZATION AND THE INTERNATIONAL CIVIL AVIATION ORGANIZATION

THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the negotiations which have taken place between the International Civil Aviation Organization and the World Meteorological Organization in accordance with Resolution 20 (1) of Congress; and

NOTING,

(1) That the text given in the Annex to this resolution appears to provide practicable working arrangements; and

(2) That this text has been approved by the Council of the International Civil Aviation Organization;

APPROVES on behalf of the World Meteorological Organization the working arrangements embodied in the Annex; and

DIRECTS the Secretary-General,

(1) To inform the International Civil Aviation Organization accordingly with the suggestion that the working arrangements be effective from 1 January 1954; and
ANN. TO RESOLUTION 3 (EC-IV)

(2) To inform the Members of the World Meteorological Organization and the Presidents of constituent bodies concerned in order that they may carry out the provisions of the working arrangements.

ANNEX

WORKING ARRANGEMENTS BETWEEN ICAO AND WMO

Preamble

As ICAO is responsible for defining, and encouraging the provision of the services which civil aviation requires for safe, regular, economic and efficient operation and for recommending where, in what forms and at what times such services shall be rendered, and the provision of meteorological information has an important place among the needed services, and as WMO is responsible for specifying the technical methods and practices recommended for use in providing required meteorological services, and for furthering generally the application of meteorology to human activities, including aviation, the two organizations recognize the desirability, in the interest of efficiency and simplicity, of defining working arrangements for securing close co-operation, including an understanding regarding the allocation to one organization or the other of primary responsibility for certain sectors within the field of common interest.

In determining this allocation, the two organizations agree that the following broad principles should apply:

(a) Matters which, for their successful resolution, (i) require direct and particularly close collaboration with other (non-meteorological) aeronautical services or (ii) co-ordination with planned or actual airline operations, should be regarded as lying primarily within the field of responsibility of ICAO.

(b) Matters (i) which relate to the basic meteorological facilities required by Meteorological Authorities to provide service to international air navigation, (ii) which relate to the meteorological techniques and practices employed in providing such service or (iii) which, for their successful resolution, require close co-ordination with the procedures and facilities employed in other (non-aeronautical) applications of meteorology, should be regarded as lying primarily within the field of responsibility of WMO.

(c) Matters which do not fall clearly within either category (a) or category (b) should be regarded as the responsibility of both organizations and dealt with by appropriate collaboration between them.
1. General exchange of privileges

1.1 The organizations will freely advise and consult each other in matters that may be handled by one of them but that are of interest to the other. To give the fullest possible rein to advisory and consultative status, each organization will have the right to participate in the meetings of the other (without vote), at the participating organization's election, except for meetings of the ICAO Council and the WMO Executive Committee. Each organization will keep the other informed of its full schedule of meetings, and supply agenda and documentation for any of them on request. Each organization will include in the documentation for its meetings any material furnished for that purpose by the other organization or its accredited representative.

1.2 The organizations will advise each other of any decisions relating to, or capable of affecting meteorological service to aeronautics and will exchange copies of any communications sent to their Member States (such as ICAO State letters and WMO Circulars) relating to matters of interest to them both.

2. Development of technical recommendations of world-wide applicability

2.1 General

Recommendations concerning technical material related to the world-wide application of meteorology to international air navigation will be prepared normally by simultaneous meetings of the appropriate technical bodies of the respective organizations. Each recommendation will include an allocation of responsibility for follow-up action by one or the other organization. Such allocation will be in conformity with the principles stated in the preamble to these working arrangements. Follow-up action by either organization will be in accordance with its established procedures.

2.2 Development of specifications of aeronautical meteorological requirements and methods of satisfying them

2.2.1 The material of the type now contained in the "Specifications for Meteorological Services for International Air Navigation" will normally be developed by simultaneous meetings of the appropriate technical bodies of the respective organizations.

2.2.2 This development will entail a separation of the material into two parts, the first of which will comprise a specification of the needs of international civil aviation in regard to meteorological service, suitable for ultimate adoption as international Standards and Recommended Practices (Annex to the Convention on International Civil Aviation). The second part will comprise supplementary material regarding the manner in which the required meteorological service, as indicated in the specification of the needs of international civil aviation, is to be provided.

2.2.3 Following the simultaneous meetings, the first part will be reviewed and developed by ICAO in accordance with its established procedures.
2.2.3.1 The development of this material from the recommendations of the simultaneous meetings will be carried out in collaboration with WMO. To facilitate this collaboration, WMO will designate a representative or representatives and will arrange for his (their) participation in the meetings of the Air Navigation Commission on the dates set by it for review of the material. The WMO representative(s) will also work in the interim with the ICAO Secretariat on any preparation for these reviews.

2.2.3.2 The text proposed by the Air Navigation Commission on the basis of the recommendations of the simultaneous meetings and in the light of the review referred to above will be considered by the ICAO Council and thereafter by the Congress (or the Executive Committee) of WMO for promulgation by the respective organizations in accordance with their respective requirements.

2.2.4 Following the simultaneous meetings the second part will be reviewed and developed by WMO in accordance with its established procedures, keeping ICAO advised of progress in this matter and taking account of any comments or proposals presented by ICAO.

2.3 Codes

2.3.1 Meteorological figure codes

WMO will develop and promulgate all meteorological figure codes, including those employed in the application of meteorology to international air navigation. Regional options permitted by these codes will be determined at ICAO regional meetings and promulgated by ICAO when such codes are primarily intended to be utilised directly by aeronautical personnel. Recommendations regarding aeronautical aspects of figure codes will be addressed to WMO and will be taken into account in the determination of such codes by WMO.

2.3.2 Q code

The determination and promulgation of the meteorological signals included in the Aeronautical Section of the international Q code will be the responsibility of ICAO. Recommendations in regard to such signals will be considered by the simultaneous meetings referred to in paragraph 2.1.

2.4 Ground-air exchange of meteorological information

ICAO will be responsible for the determination and promulgation of the procedures and forms of message except meteorological figure codes, to be employed, world-wide or regionally, in the communication of meteorological information from air to ground and from ground to air and also for the development and promulgation of world-wide and regional plans for the broadcasting, by radiotelephony or radiotelegraphy, of meteorological information intended for operational use by aircraft in flight.

2.5 Terminology

The definition of all purely aeronautical terms and the determination of language equivalents of those terms will be the responsibility of ICAO; the definition of all purely meteorological
terms and the determination of language equivalents of those terms will be the responsibility of WMO. Terms which do not fall definitively within one of these two categories will be treated by co-ordinated action of the two organizations. Each organization will employ in its publications and documentation the terms and equivalents defined and prescribed as indicated above.

3. **Regional activities**

3.1 **General**

Regional requirements for meteorological services for aeronautical purposes will be established by the ICAO Council on the advice of ICAO regional meetings. ICAO will follow up recommendations regarding such of these requirements as lie within the fields of responsibility allocated to ICAO in this document. Recommendations on such of these requirements as lie within the fields of responsibility allocated to WMO in this document will be addressed by ICAO to WMO, which will give immediate consideration to these recommendations and follow them up with the States concerned.

3.2 **Synoptic networks**

3.2.1 WMO will develop and promulgate plans for basic synoptic networks, including both surface and upper air observation stations, providing, inter alia, for the aeronautical needs expressed by ICAO. Statements of deficiencies in the existing networks, from the aeronautical point of view, which have been revealed at ICAO regional meetings or otherwise, will be addressed by ICAO to WMO, as requests that WMO take the necessary action with States. If, in any case, WMO encounters difficulty in securing prompt action in regard to any deficiency, it will consult with ICAO. In urgent cases ICAO may inform the State concerned, directly, of the urgency of the proposed improvement in the network and will advise WMO in each case when such action has been taken.

3.2.2 Recommendations from ICAO to WMO on basic networks will be stated in a form most convenient for expeditious subsequent action by WMO. They will take the form of recommendations for additions to, or changes in, the existing networks, rather than an enumeration of the complete network desired. They will be supported, whenever possible, by a statement of the adverse effects on civil aviation operations of the existing deficiencies in the basic networks.

3.2.3 WMO will maintain, in a continuously current condition, information on the basic networks of the world, of the character hitherto sought by ICAO by direct fact-finding inquiry from States in preparation for each regional air navigation meeting.

3.3 **Synoptic analyses**

WMO will be responsible for establishing the geographic areas of responsibility for the preparation of synoptic analyses and for the allocation of responsibility for their preparation, taking into account the aeronautical requirements for these analyses as presented by ICAO.
3.4 Meteorological observations required for current air operations

Recommendations to States regarding the locations at which hourly, half-hourly and special aerodrome observations and other special observations required specifically for use in current air operations are to be taken will be ICAO’s responsibility. Such recommendations will normally be developed in ICAO regional air navigation meetings, with due regard to the network of stations prescribed by WMO for other purposes.

3.5 Meteorological offices

ICAO will determine and promulgate plans for the establishment of meteorological offices serving international air navigation, with any necessary details regarding locations, classification and the types of material and service which such offices are to furnish, their hours of operation, etc.

3.6 Telecommunications

3.6.1 WMO will determine and promulgate plans for the exchange of basic synoptic data and analyses. If ICAO is cognizant of aeronautical requirements which would impose special conditions upon these exchanges, appropriate recommendations will be addressed to WMO for subsequent action with States. ICAO may also bring these recommendations directly to the attention of the States concerned if their urgency and other factors justify such action. Whenever it appears likely that the special conditions imposed by aeronautical requirements cannot be met under the normal arrangements for the exchange of basic data and analyses, because of the limited capacity of available circuits or for any other reasons, and if relief can be had through the use of other channels, the two organizations will confer on the action to be taken.

3.6.2 Plans for the exchange of operational meteorological information (e.g., collection and distribution of hourly reports and aerodrome forecasts between designated aerodromes) will be developed and promulgated to States by ICAO. Where such plans involve carrying operational information over circuits maintained for exchange of basic meteorological information, the recommendations concerning the additional use to be made of such circuits will be addressed to WMO.

3.7 Regional supplementary procedures

ICAO will determine and promulgate, as regional supplementary procedures and associated documents:

3.7.1 The regional or local arrangements made within the ambit of the regional or local options permitted by the "Specifications for Meteorological Services for International Air Navigation" and similar documentation;

3.7.2 Details of the Meteorological Offices established to serve international air navigation, regional arrangements for the ground-to-ground exchange of operational meteorological information (aerodrome forecasts and amendments thereto, routine and special aerodrome meteorological reports, warnings and flight forecasts and
amendments thereto) and for the transmission of such information to aircraft in flight, details of the collecting centres for aircraft weather reports and other information of a similar character.

4. Qualifications of meteorological personnel engaged in the provision of meteorological services for international air navigation

4.1 While WMO will be responsible for specifying the requirements for meteorological knowledge of meteorological personnel engaged in the provision of meteorological service for international air navigation, the definition of the requirements for non-meteorological operational knowledge that should be met by such personnel will be undertaken by ICAO and will be transmitted to WMO in the form of recommendations.

4.2 WMO will be consulted by ICAO in connection with this action and will be invited to participate in any relevant discussions in the Air Navigation Commission or other representative body.

5. Joint financing projects

Joint financing projects will be continued as in the past, with ICAO keeping WMO informed of developments on existing projects which include any meteorological element, and also of plans for any such project as may be considered in the future. When WMO enters into the field of joint financing, it will similarly keep ICAO informed. Should doubt arise in any particular instance as to where the preponderant interest lies, it will be the subject of special discussion between the two organizations or of determination by the States immediately concerned.

6. Technical assistance activities

6.1 The two organizations will confer with each other on their plans and programmes for technical assistance in meteorology in order to ensure a uniformly high level of training and the maximum utilisation of meteorological services for the benefit of under-developed countries.

6.2 When a firm request for technical assistance in the field of meteorology applied to aviation is received by one organization, that organization will, as soon as possible, inform the other and invite its comments thereon. Responsibility for rendering technical assistance in the field of meteorology applied to aviation will devolve upon the WMO if it forms part of a general plan for technical assistance in meteorology, while technical assistance in the field of meteorology applied to aviation forming an integral part of a civil aviation project will be handled by ICAO, each organization taking account of the views expressed by the other.

6.3 The organizations will draw up a panel of available and qualified meteorological personnel from which appointments will be made to technical assistance missions.
RESOLUTION 4 (EC-IV)

Conditions of application
The working arrangements specified above:

(a) Shall be given effect within each organization by means of such directives as may be considered by the organization concerned as necessary to implement them;

(b) Shall be regarded as being of an interim character, the relations between the organizations, the arrangements for co-operation between them and the definition of their respective activities in the area of joint interest having continued consideration and being further reviewed if necessary;

(c) Shall be subject to modification at any time by joint agreement;

(d) Shall be subject to the understanding that any provision therein shall be terminable on 90 days' notice in writing by either organization to the other.

Res. 4 (EC-IV) - COLLABORATION BETWEEN THE WORLD METEOROLOGICAL ORGANIZATION AND THE INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the negotiations which have taken place between the World Meteorological Organization and the International Union of Geodesy and Geophysics, in accordance with Resolution 18 (EC-II);

APPROVES on behalf of the World Meteorological Organization the working arrangements contained in the Annex to the present resolution; and

DIRECTS the Secretary-General to inform the International Union of Geodesy and Geophysics accordingly.

ANNEX

WORKING ARRANGEMENTS BETWEEN WMO AND IUGG

The two organizations, with a view to facilitating the attainment, in the most effective and economical manner, of the objectives set forth in their respective constitutions, will act in close co-operation and will consult together regularly on matters of common interest and each organization will keep the other informed of all
developments in regard to any of its current or projected activities in which the other organization may have an interest.

1.1 The WMO, in implementing this clause of the working arrangements, will be guided by its recognition of the IUGG as an international forum for the advancement of meteorology as a science; accordingly, the WMO will keep the IUGG advised of all developments and projected activities within the WMO field which have a bearing upon the IUGG field of interest.

1.2 IUGG, in implementing this clause of the working arrangements, will be guided by its recognition of the primary responsibility of WMO for the international organization of meteorology, for the furthering of its application to all human activities and for the promotion of meteorological research and training, through intergovernmental co-operation; accordingly, IUGG will keep WMO advised of all developments and projected activities within its field which relate to, or have a bearing upon, international co-operation in meteorology including proposals developing from discussions within IUGG and will, in so far as practicable, arrange for such proposals and recommendations in regard to the International organization of meteorology, to be directed to WMO, as the Specialized Agency in meteorology recognized by the United Nations.

2. Each organization will arrange for a representative or representatives of the other to participate in any session or meeting of any one of its constituent bodies, committees or working groups, when items on the agenda are of interest to the other organization and, subject to such preliminary consultation as may be necessary, each organization will include on such agenda, items proposed by the other organization.

3. In order to ensure effective liaison on the matters referred to above, each organization may designate a permanent liaison officer to maintain contact with the other organization.

4. When appropriate, a joint committee, or joint committees, of the two organizations may be established to deal with matters of common interest.

5. These working arrangements will be reviewed from time to time by both organizations with the object of further improving them and extending them as necessary to cover, in conformity with the basic principles underlying the present working arrangements, new developments in the area of joint interest.
Res. 5 (EC-IV) - PARTICIPATION OF THE WORLD METEOROLOGICAL ORGANIZATION IN THE UNITED NATIONS EXPANDED PROGRAMME OF TECHNICAL ASSISTANCE

THE EXECUTIVE COMMITTEE,

NOTING,

(1) The working arrangement for 1953 agreed to by the Secretary-General of the World Meteorological Organization and the Director-General of the Technical Assistance Administration;

(2) The various actions of the Secretariat in publicizing and encouraging technical assistance in meteorology;

(3) The increasing number of requests being received by the World Meteorological Organization for technical assistance in the field of meteorology;

APPROVES the working arrangement between the World Meteorological Organization and the Technical Assistance Administration of the United Nations as adopted for 1953 and thereafter until terminated by either party;

DIRECTS the Secretary-General, when negotiating with the Technical Assistance Administration concerning the allocation of funds for 1954, to request that one per cent of the amount available or becoming available for project costs of the entire Expanded Programme in 1954 from the Special Account should be allotted for technical assistance in the field of meteorology, on the clear understanding that the minimum allocation shall not be less than U.S. $200,000.

ANNEX

WORKING ARRANGEMENT IN THE EXPANDED PROGRAMME OF TECHNICAL ASSISTANCE BETWEEN THE WORLD METEOROLOGICAL ORGANIZATION AND THE TECHNICAL ASSISTANCE ADMINISTRATION OF THE UNITED NATIONS

defining the conditions for participation of the World Meteorological Organization in the Expanded Programme of Technical Assistance, as approved by the General Assembly and by the Economic and Social Council of the United Nations.

1. Governing resolutions

The resolutions of the Economic and Social Council, particularly Resolutions 222 (IX), including the annexed guiding principles, and 400 (XIII), shall govern the handling of all programmes for technical assistance in the field of meteorology undertaken under this arrangement between the Technical Assistance Administration of the United Nations (TAA) and the World Meteorological Organization (WMO). The decisions of the Technical Assistance Board (TAB) further govern projects undertaken under this arrangement.
2. **Area of co-operation**

Projects to be included in this arrangement shall include all those in the fields of interest of the WMO which aid in the economic development of under-developed areas. They will include such forms of technical assistance as: surveys, expert assistance, provision of equipment in accordance with current regulations, fellowships and scholarships, technical conferences, seminars and training centres for the establishment or improvement of meteorological facilities. Inter-Agency agreements may be made by the WMO with other Specialized Agencies defining the scope of the Technical Assistance activities of each Agency in fields related to meteorology. Agreements involving financial or administrative considerations will be subject to prior consultation with the TAA.

3. **Funds to be available**

The TAA will set aside for Technical Assistance in the field of meteorology 1% of the amount available, or becoming available, for use in 1953 from the Special Account, subject to a minimum of US $200,000. The funds so set aside will be allocated to the projects approved in accordance with paragraph 5 of this arrangement. The amount to be set aside for allocation to meteorological projects will be reconsidered quarterly, with a view to its adjustment upwards or downwards, as may seem desirable in the light of the financial position and prospects of operations. At the end of each month the TAA will inform the WMO of the balance remaining from the money so set aside after meeting from it the approved allocations. Out of the amount set aside for allocation to meteorological projects, a fund of US $15,000 shall be assigned to WMO to enable WMO to meet the administrative costs of maintaining attached to its headquarters a Technical Assistance Unit to deal with the technical phases of the programme. A detailed accounting of the use of this fund shall be made available by the WMO for post-audit. If the volume of work makes it necessary, the total amount of this fund may be subsequently increased by mutual agreement.

4. **Routing of requests**

Requests for Technical Assistance in the field of meteorology will normally be received direct by the WMO; those not received direct by the WMO will be referred to the WMO before any action is taken on them. Both the TAA and the WMO will promptly communicate to each other requests for Technical Assistance received by them direct, and TAA will transmit the requests to WMO, subject to prior concurrence of the WMO. The WMO will assist in familiarizing the appropriate agencies of governments with the possibilities of Technical Assistance in the meteorological field and will help them, if necessary, in the presentation of requests for such assistance.
5. **Approval of projects**

The WMO will review all requests in the meteorological field; so far as necessary, it will clarify them in consultation with the governments; it will decide on the scope of the posts for which experts are to be sought. The requests, as approved by the WMO, together with project plans, will be forwarded by the WMO to the TAA for its concurrence as regards their non-technical implications and for the allocation of the funds necessary for the projects and for the negotiation of agreements. The TAA will ensure that in all such agreements appropriate reference is made to the WMO as a joint operating Agency.

6. **Recruiting of experts**

The WMO will prepare all job descriptions and terms of reference of experts, jointly with concerned Agencies, if appropriate. The WMO will assist in recruiting experts and will nominate to TAA one or more candidates for each post to be filled. TAA will not submit to the government any candidate who has not been approved by WMO. It is understood that the requesting government has the final authority to approve experts who will be proposed by TAA. The TAA will keep the WMO informed of the subsequent progress of recruitment. The formal appointment of experts and the handling of their administrative arrangements, including travel, allowances, leave, insurance and other terms of appointment, will be the responsibility of the TAA.

7. **Briefing of experts for missions**

The WMO will be responsible for briefing experts on all technical matters related to their missions. It is understood that where routing of experts through the headquarters of the WMO would be impracticable (as in the case of North American experts for Latin America) arrangements will be made to provide this briefing elsewhere. The TAA will be responsible for briefing experts on other than technical matters and will do so either at headquarters, or at its Geneva office, or at another appropriate centre.

8. **Instructions to, and reporting by, experts on missions**

Experts will be subject to the same policies and procedures regarding reports as other experts appointed by the TAA, except that they will send a copy of their reports direct to the WMO. The WMO will be responsible for reviewing and commenting on the technical contents of reports and may correspond direct with experts, provided that copies of this correspondence are sent to TAA. The TAA will accept as final the advice of the WMO on the technical aspect of any question arising from a report. The TAA will be responsible for the formal transmission of reports to governments. It is understood that the reports of experts as well as any comments concerning these reports, are to be considered confidential unless and until the government of the country to which the respective report refers, agrees otherwise.
9. **Seminars, conferences, expert working groups and training centres**

Upon approval of projects calling for seminars, conferences, expert working groups and training centres, a division of responsibility and function will be agreed upon for each such project. It is expected that agreements on division of functions for individual projects in this field will follow generally, and insofar as they are appropriate, those outlined herein with respect to recruiting, briefing and reporting of experts for missions (paragraphs 6, 7 and 8).

10. **Fellowships and scholarships**

All requests for fellowships and scholarships in the field of meteorology will be communicated by TAA to WMO for advice in regard to selection and placement. Fellowships and scholarships in the field of meteorology shall be financed from the funds mentioned in paragraph 3 above. The fellows and scholars in the field of meteorology will be instructed to forward copies of the progress and final reports prepared by them, direct to the WMO.

11. **WMO representation**

The WMO will inform the TAA whenever it desires the TAA to represent the WMO at meetings of the TAB and will brief the TAA representatives as it deems necessary.

12. **Correspondence**

Copies of all correspondence on requests or projects in the field of meteorology between either Organization and governments shall be promptly made available to the other party to this arrangement.

13. **Liaison**

The Agencies will advise each other on the appropriate officer or officers to whom communications relating to the above matters shall be addressed.

14. **Final provision**

The present provisional arrangement will enter into force on 1 January 1953, and shall be valid until the 31st December 1953 and thereafter, until terminated by either party.
Res. 6 (EC-IV) - RECOGNITION OF AN ADMINISTRATIVE TRIBUNAL FOR APPEALS RELATING TO NON-OBSERVANCE OF THE STAFF REGULATIONS OR THE INTERNAL STAFF RULES

THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the study and the proposals made by the Secretary-General regarding the affiliation of the World Meteorological Organization with an Administrative Tribunal;

DECIDES to recognize the competence of the Administrative Tribunal of the International Labour Organization for appeals relating to the non-observance of the Staff Regulations and Internal Staff Rules of the World Meteorological Organization; and

DIRECTS the Secretary-General to take appropriate action with the International Labour Organization and to report to the members of the Executive Committee.

Res. 7 (EC-IV) - PREPARATION OF DRAFT TECHNICAL REGULATIONS

THE EXECUTIVE COMMITTEE,

NOTING Convention Article 7 (d), Congress Resolution 15 (I), Resolution 3 (EC-II) and Resolution 13 and 14 (EC-III); and

CONSIDERING,

(1) The Draft Provisional Technical Regulations submitted by the Commissions for Maritime Meteorology, Climatology, Synoptic Meteorology, Instruments and Methods of Observation, and Aerology;

(2) That these drafts have been published in the Abridged Final Reports of the first sessions of these Commissions and will therefore be available as basic documents for the Second Congress;

(3) That Draft Provisional Technical Regulations prepared by the Commissions for Bibliography and Publications, Agricultural Meteorology and Aeronautical Meteorology will be available in 1954;

DECIDES,

(1) That the Draft Technical Regulations prepared by the Secretariat shall include both "standard practices" and certain "recommended practices";

(2) That the obligatory nature of the "standard practices" should be indicated by use of the words "shall" or "are", and that they should be underlined in the draft;
RESOLUTION 8 (EC-IV)

(3) That the "recommended practices" to be included in the Draft Technical Regulations should be those which are necessary to give a complete picture of the decisions of the World Meteorological Organization on a specific subject; and that these clauses should be indicated by the use of the word "should";

(4) That the Draft Technical Regulations prepared by the Secretariat shall be based on the Draft mentioned under "CONSIDERING" (1) and (3) above, subject to the necessary editorial changes and to the inclusion of amendments necessary to bring the draft up to date in accordance with decisions taken by the Executive Committee;

(5) That if any substantial changes are made to the drafts prepared by a Commission, references to the original proposals shall be made;

(6) That the Draft Technical Regulations shall be distributed to the Permanent Representatives of Members as soon as possible;

(7) That the Permanent Representatives of Members should be asked to send their comments on the Draft Technical Regulations to the Secretariat;

(8) That these comments shall be collated in the form of a working paper for Second Congress; and

CANCELS Resolution 3 (EC-II) and Resolution 13 (EC-III); and

DIRECTS the Secretary-General to take the necessary steps.

Res. 8 (EC-IV) - ARID ZONE PROGRAMME

THE EXECUTIVE COMMITTEE,

NOTING Resolution 32 (EC-III), Recommendations 3, 41 and 43 (CCL-I), Resolution 29 (I-RA III), Resolution 6 (CAe-I) and the statement on page 29 of the Abridged Final Report of the First Session of the Commission for Aerology; and

CONSIDERING that the World Meteorological Organization should take the initiative in co-ordination and exchange of meteorological information and in the preparation of a meteorological programme;

DECIDES,

(1) To request the Arid Zone Panel of the World Meteorological Organization to follow the programme detailed below:

(i) To arrange for the preparation of technical studies as required;

(ii) To promote, within the World Meteorological Organization, activities on scientific or technical problems concerning the Arid Zone;
RESOLUTION 9 (EC-IV)

(iii) To collect and distribute to all Members of the World Meteorological Organization and to the appropriate Specialized Agencies of the United Nations information on research work being carried out on meteorological and hydrological problems of the Arid Zone, as well as on the institutions and experts engaged in that type of work;

(iv) To keep in close contact with the work undertaken by individual Members of the World Meteorological Organization and to seek the advice and guidance of such Members;

(v) To bring forward for attention any items of meteorological research work on Arid Zone problems which the panel considers should be undertaken but which cannot be undertaken by the World Meteorological Organization or under the auspices of the World Meteorological Organization, with a view to seeking the assistance (financial or otherwise) of another Specialized Agency of the United Nations or international organization;

(vi) To submit a report on its activities to each session of the Executive Committee; and

(2) To request Regional Associations to consider these projects within their Regions;

DIRECTS the Secretary-General:

(1) To inform the members of the panel of this resolution and of the decisions listed under "NOTING";

(2) To provide the panel with as much assistance as possible within the present Secretariat facilities;

(3) To bring this resolution to the attention of the President of Regional Associations and Members of the World Meteorological Organization concerned.

Res. 9 (EC-IV) - INTERNATIONAL GEOPHYSICAL YEAR

THE EXECUTIVE COMMITTEE,

NOTING Resolution 33 (EC-III), Recommendation 40 (CC1-I), Recommendation 55 (CSM-I), Recommendation 22 (CAe-I), Resolution 35 (I-RA I), Resolution 10 (I-RA IV) and Resolution 33 (I-RA III); and

HAVING CONSIDERED with satisfaction the report of the Chairman of the Working Group on the International Geophysical Year;

DECIDES,

(1) That the World Meteorological Organization shall participate in the International Geophysical Year;
(2) That the working group shall be reconstituted with the following membership:

Professor J. Van Mieghem  
Professor C.E. Palmer  
Dr. T.E.W. Schumann;

(3) That the terms of reference of the working group shall be to establish a detailed meteorological programme for the International Geophysical Year, based on the principle laid down in paragraph (3) under "DECIDES" on Resolution 33 (EC-III) and on Recommendation 22 (CAe-I), but taking account also of any further proposals which may be submitted;

(4) That the working group shall be empowered to nominate not more than two additional members, the naming of the members to be subject to the concurrence of the President of the Organization; and

REQUESTS the working group to submit a report to the next session of the Executive Committee; and

DIRECTS the Secretary-General:

(1) To inform the International Council of Scientific Unions of the participation of the Organization;

(2) To inform the members of the working group of the reconstitution of the group;

(3) To designate an officer of the Secretariat to act as technical secretary to the working group.

Res. 10 (EC-IV) - OCEAN WEATHER STATIONS

THE EXECUTIVE COMMITTEE,

NOTING the plans of the International Civil Aviation Organization to convene a North Atlantic Ocean Station conference early in 1954;

DECIDES to place on record,

(1) Its appreciation of the efforts made by the various nations to maintain the Ocean Weather Station network; and

(2) Its belief that the Ocean Weather Station network not only has been a major factor in securing the provision of reliable forecasts for all purposes in the North Atlantic area, but also that the continuous supply of surface and upper air information from the oceans is an essential ingredient in the development of meteorological science, especially forecasting; and

DIRECTS the Secretary-General to inform Members and the International Civil Aviation Organization of this resolution.
Res. 11 (EC-IV) - INTERNATIONAL METEOROLOGICAL INSTITUTE

THE EXECUTIVE COMMITTEE,

NOTING Congress Resolution 12(I), Resolution 43 (EC-II) and Resolution 34 (EC-III); and

CONSIDERING the report of the Working Group on the International Meteorological Institute submitted to the Fourth Session of the Executive Committee;

DECIDES,

(1) To inform Members of the progress of this study and to seek their comments and suggestions by circulating the Annex to this resolution;

(2) To set up a working group with the following terms of reference:

(a) Within the directive given in Congress Resolution 12(I) to continue the study of the question of the establishment of an International Meteorological Institute;

(b) To consider especially the desirability and advisability of establishing such an Institute;

(3) To invite the following individuals to join this working group:

Dr. O.G. Sutton
Dr. A. Thomson
Prof. J. Van Mieghem;

REQUESTS the working group to submit a report to the Fifth Session of the Executive Committee; and

DIRECTS the Secretary-General to inform Members in accordance with paragraph (1) above.

ANNEX

In accordance with Congress Resolution 12(I), the Executive Committee set up a working group to consider the question of the establishment of an International Meteorological Institute. It will be recalled that the United Nations Educational, Scientific and Cultural Organization has included an International Meteorological Institute as an item of second priority on its list of projected international centres.
RESOLUTION 12 (EC-IV)

The working group limited its attention to an examination of the practicability of taking steps now to create an International Meteorological Institute, and it concluded that at present many of the difficulties appear insurmountable and that it is impossible to present a convincing case now or in the immediate future.

A new working group was set up at the Fourth Session of the Executive Committee to give attention more to the desirability and advisability of creating an International Meteorological Institute, and Members are now invited to submit their comments and suggestions on these aspects of the subject, and to indicate what should be the main tasks of such an institute, should such an institute be considered necessary by Members.

To ensure consideration by the working group before the Fifth Session of the Executive Committee, all comments and suggestions should be transmitted to the Secretary-General before 1 May 1954.

Res. 12 (EC-IV) - INTERNATIONAL COMPUTATION CENTRE

THE EXECUTIVE COMMITTEE,

NOTING,

(1) Recommendation 6 (CC1-I) and Recommendation 34 (C Ae-I);

(2) The proposal by the United Nations Educational, Scientific and Cultural Organization for the establishment of an International Computation Centre; and

CONSIDERING that many meteorological problems are only capable of satisfactory solution by means of modern computational devices;

DECIDES,

(1) That more information about the work of the International Computation Centre should be obtained from the United Nations Educational, Scientific and Cultural Organization;

(2) That Members should be informed about the computational facilities which will be available at the Centre and about the types of problems which might be solved with their aid; and

DIRECTS the Secretary-General to take the necessary action to this end.
Res. 13 (EC-IV) - INTERNATIONAL METEOROLOGICAL TABLES

THE EXECUTIVE COMMITTEE,

CONSIDERING the need for a new edition of the International Meteorological Tables; and

NOTING the suggestion in the Abridged Final Report of the First Session of the Commission for Aerology that since these Tables contain data which concern several Technical Commissions the Executive Committee might set up a panel of experts to consider the question;

DECides,

(1) To set up a Working Group on the International Meteorological Tables with the following terms of reference:
   (a) To prepare a list of the fundamental mathematical and physical tables which are required by Meteorological Services;
   (b) To ascertain which of these tables are already in existence with an indication of any recomputation necessary and of any gaps requiring to be filled;
   (c) To make proposals for recomputing existing tables and for computing tables not already in existence;
   (d) To recommend a suitable layout and format for the various tables;

(2) To invite the following individuals to join this working group:
   Dr. R.C. Sutcliffe
   Mr. L.P. Harrison
   Mr. H.C.S. Thom
   Dr. L. Dufour

(3) To authorize the President of the Organization to invite other individuals to join the working group if any of the above are unable to participate; and

REQUESTS the working group to report to the next session of the Executive Committee; and

DIRECTS the Secretary-General,

(1) To take the necessary action to establish the working group;

(2) To designate a member of the Secretariat to act as Technical Secretary to the working group;

(3) To provide assistance as necessary to the working group in obtaining from Meteorological Services the information required.
RESOLUTION 14 (EC-IV) - PUBLICATION OF "WMO TECHNICAL NOTES"

THE EXECUTIVE COMMITTEE,

CONSIDERING,

(1) That some of the papers prepared for sessions of constituent bodies of the World Meteorological Organization merit a wider distribution than they have at present;

(2) That among these papers there are some which are unlikely to be published in the journals of scientific societies;

(3) The value of progress reports such as are presented at sessions of constituent bodies of the World Meteorological Organization, stating the present position in various branches of meteorology;

DECIDES,

(1) That a new series of papers entitled "WMO Technical Notes" should be published by the World Meteorological Organization;

(2) That papers prepared for sessions of constituent bodies of the World Meteorological Organization which merit a wider distribution shall be considered for publication in this new series;

(3) That Presidents of constituent bodies may communicate for publication as Technical Notes the session papers which they consider to be suitable;

(4) That guidance should be given by the Secretary-General as necessary to the Presidents of constituent bodies to ensure a reasonable degree of uniformity in the selection of papers;

(5) That authors should be given an opportunity to revise papers before they are published as Technical Notes;

(6) That papers acceptable for publication by scientific societies, e.g. those announcing the results of original research, should not be published in this series;

(7) That papers prepared by the Secretariat may also be published as Technical Notes at the discretion of the Secretary-General, subject to prior consultation with the President of any constituent bodies concerned;

(8) That Technical Notes should be published only in the original language, provided that this is one of the official languages of the Organization, with an abstract in French or English; and

DIRECTS the Secretary-General to bring this resolution to the attention of Presidents of Regional Associations and Technical Commissions with an invitation to communicate any papers prepared for recent sessions which they consider would be suitable for publication as Technical Notes.
NOTING Congress Resolution 5 (I); and

CONSIDERING the value of meteorological bibliographies;

REQUESTS the President of the Commission for Bibliography and Publications:

(1) To study the desirability of producing a meteorological bibliography of the World Meteorological Organization taking the following points into consideration:

(a) **Nature of content** - Should such a bibliography contain
   (i) List of titles, or
   (ii) Titles and simple abstracts, or
   (iii) Titles and critical abstracts?

   In considering these three possibilities, the time lag between the date of appearance of an article and the publication of the bibliography containing a reference to it, should be borne in mind.

(b) **Range of content** - How far should references and abstracts referring to allied sciences be included, e.g. oceanography, ionospheric physics, biology, mathematics?

(c) **Existing bibliographies** - How far do existing meteorological bibliographies fill the need? In considering this question, it should be borne in mind that it seems unlikely that the "Bibliographie Meteorologique Internationale" will be produced after the 1952 volumes have been completed.

(d) **Method of obtaining information** - Should the titles and abstracts of publications be prepared at a centre such as the Secretariat of the World Meteorological Organization, or should they be supplied to the centre by:

   (i) The Meteorological Services of the country of origin of the publication,
   (ii) Contributors in various countries?

(e) **Cost of bibliography** - An analysis of the cost of producing a meteorological bibliography of the World Meteorological Organization would be useful. It is suggested that information might be obtained from the publishers of physics abstracts, from the American Meteorological Society and from the French Meteorological Service.

(2) To submit a report to the Executive Committee in time for consideration at its Fifth Session; and
RESOLUTION 16 (EC-IV)

DIRECTS the Secretary-General to bring this resolution to the attention of the President of the Commission for Bibliography and Publications.

Res. 16 (EC-IV) - REPORT OF THE FIRST SESSION OF REGIONAL ASSOCIATION I

THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the resolutions and recommendations adopted at the First Session of Regional Association I;

DECIDES,

(1) To note the report of the session;
(2) To take action on the recommendations as indicated:

Recommendation 1: Noted that action has already been taken by the Commission for Synoptic Meteorology

Recommendation 2: Referred to Congress

Recommendation 3: Noted that action has already been taken by the Commission for Synoptic Meteorology

Recommendation 4: Noted that action has already been taken by the Commission for Synoptic Meteorology

Recommendation 5: See Recommendation 37 (CSM-I)

Recommendation 6: Noted in Resolution 27 (EC-IV)

Recommendation 7: Noted that this recommendation has been referred to the Presidents of Regional Associations III and V

Recommendation 8: Noted that this recommendation has been referred to the Presidents of Regional Association II and of the Commission for Maritime Meteorology

Recommendation 9: Noted that this recommendation has been referred to the Presidents of the Commission for Maritime Meteorology and of Regional Associations

Recommendation 10: Noted with approval. To be brought to the attention of the Food and Agricultural Organization of the United Nations

Recommendation 11: Referred to the Secretariat for action

Recommendation 12: Noted with approval

Recommendation 13: Noted that this recommendation has been referred to the Presidents of the Commissions for Bibliography and Publications and for Agricultural Meteorology
Recommendation 14: Noted, with the suggestion that the President of Regional Association I, if he wishes to pursue the matter, prepare a specific plan for submission to the Executive Committee under authority given in principle in Congress Resolution 9 (I)

(3) To comment as follows on the resolutions listed below:

Resolution 7: This resolution was taken into consideration in Resolution 32 (EC-IV)

Resolution 11: This resolution was taken into consideration in Resolution 51 (EC-IV)

Resolution 31: Noted with approval; and

DIRECTS the Secretary-General to inform all concerned.

Res. 17 (EC-IV) - REPORT OF THE FIRST SESSION OF REGIONAL ASSOCIATION III

THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the resolutions and recommendations adopted at the First Session of Regional Association III;

DECIDES,

(1) To note the report of the session;

(2) To take action on the recommendations as indicated:

Recommendation 1: Noted
Recommendation 2: Noted
Recommendation 3: Noted
Recommendation 4: Referred to the President of the Commission for Maritime Meteorology
Recommendation 5: Referred to the Secretariat for preparation of a report
Recommendation 6: Referred to the President of the Commission for Instruments and Methods of Observation;

(3) To comment on the following resolutions as indicated:

Resolution 2: This was considered when preparing Resolution 32 (EC-IV)
Resolutions 10 and 13: Should be brought to the attention of the Commission for Bibliography and Publications and noted by the Secretariat for possible incorporation of the Spanish terms in Publication No. 9.

Resolution 20: Should be brought to the attention of the Commission for Synoptic Meteorology.

Resolutions 21, 22, 23 and 24: Should be brought to the attention of the Commission for Agricultural Meteorology.

Resolution 27: Noted with approval and should be brought to the attention of the Food and Agricultural Organization.


Resolution 30: Should be brought to the attention of the Working Group on Modification and Control of Clouds and Hydrometeors of the Commission for Aerology.

Resolution 31: Should be brought to the attention of the Commission for Bibliography and Publications; and

DIRECTS the Secretary-General to inform all concerned.

Res. 18 (EC-IV) - REPORT OF THE FIRST SESSION OF REGIONAL ASSOCIATION IV

THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the resolutions and recommendations adopted at the First Session of Regional Association IV;

DECIDES,

(1) To note the report of the session;

(2) To embody the substance of the following recommendations in resolutions of the Executive Committee as indicated:

Recommendation 5 (I-RA IV) in Resolution 32 (EC-IV)
Recommendation 6 (I-RA IV) in Resolution 28 (EC-IV);

(3) To take action on the following recommendations as indicated:
Recommendation 1: Referred to the Secretariat
Recommendation 2: Referred to the President of the Commission for Synoptic Meteorology
Recommendation 3: Noted
Recommendation 4: Noted for consideration at the Fifth Session of the Executive Committee
Recommendation 7: Referred to the President of Regional Association VI for discussion with the Permanent Representative of the United States of America;

(4) To comment on the following resolutions as indicated:

Resolution 15: In general, proposals for an article for the Bulletin of the World Meteorological Organization should be sent to the Secretary-General before individuals are requested to write the article
Resolution 22: To be considered by the Secretariat when preparing Draft Technical Regulations; and

DIRECTS the Secretary-General to inform all concerned.

Res. 19 (EC-IV) - REPORT BY THE PRESIDENT OF REGIONAL ASSOCIATION VI (1953)

THE EXECUTIVE COMMITTEE,

NOTING the report of the President of Regional Association VI (1953); and

HAVING CONSIDERED the resolutions and recommendations adopted by the Association by correspondence since its First Session;

DECIDES that the following action be taken on the following recommendations:

Recommendations 29, 30, 34 and 35: Referred to the President of Regional Association IV with the comment that exchange of information between Regions should normally be dealt with by inter-regional agreement without reference to the Executive Committee. In these cases, however, evidence was presented that the questions raised were considered to be very important by
Recommendation 31: Noted - see Recommendation 30 (CSM-I).
Recommendation 32: Referred to the President of Regional Association II.
Recommendation 33: Noted - see Resolution 10 and 11 (CSM-I).
Recommendation 36: Noted.
Recommendation 37: Noted - see Recommendations 34 and 35 (CSM-I).

DIRECTS the Secretary-General to inform all concerned.

Res. 20 (EC-IV) - REPORT OF THE FIRST SESSION OF THE COMMISSION FOR SYNOPTIC METEOROLOGY

THE EXECUTIVE COMMITTEE

HAVING CONSIDERED the resolutions and recommendations adopted at the First Session of the Commission for Synoptic Meteorology;

DECIDES,

(1) To note the report of the session;
(2) To embody the substance of the following recommendations in resolutions of the Executive Committee as indicated:

Recommendations 1 to 11, 15, 16, 18 and 20 (CSM-I) in Resolution 21 (EC-IV)
Recommendation 14 (CSM-I) in Resolution 22 (EC-IV)
Recommendation 17 (1) (CSM-I) in Resolution 23 (EC-IV)
Recommendation 29 (CSM-I) in Resolution 24 (EC-IV)
Recommendation 31 (CSM-I) in Resolution 25 (EC-IV)
Recommendation 35 (CSM-I) in Resolution 26 (EC-IV)
Recommendation 36 (CSM-I) in Resolution 27 (EC-IV)
Recommendation 39 (CSM-I) in Resolution 28 (EC-IV)
Recommendation 46 (CSM-I) in Resolution 29 (EC-IV)
Recommendation 49 (CSM-I) in Resolution 30 (EC-IV)
Recommendation 53 (CSM-I) in Resolution 31 (EC-IV)

(3) To take action on the following recommendations as indicated:
Recommendation 12: Referred to the Secretariat for action
Recommendation 13: Adopted for inclusion in a suitable guide
Recommendation 17: -(2) to (5)- referred to Congress
Recommendation 19: Referred to the Secretariat for action
Recommendation 21: Referred to the Secretariat for action
Recommendation 22: Adopted and the substance forwarded to the International Civil Aviation Organization
Recommendations 23 and 24 Referred to the Secretariat for action
Recommendations 25 and 26 Referred to Congress
Recommendation 28: Paragraph (1) under "Recommends" referred to the Secretariat for action
Paragraph (2) under "Recommends" adopted for inclusion in Publication No. 9
Recommendation 30: Noted with approval of the action taken by the President of the Organization
Recommendation 32: Noted
Recommendation 33: Adopted for inclusion in Publication No. 9
Recommendation 34: Referred to the Secretariat for action
Recommendation 36: Noted with approval of the action taken by the President of the Organization
Recommendation 37: Adopted for inclusion in Publication No. 9
Recommendation 40: Referred to the Secretariat for action
Recommendations 41 Adopted for inclusion in Publication No. 9
Recommendation 42, 43, 44 and 45 Noted - see Recommendation 8 (CJMO-I)
Recommendation 47: Not considered practicable; Secretariat to distribute instead CJMO-I/Doc. 106
Recommendation 50: Referred to Congress
Recommendation 51: Referred to the Secretariat as a working arrangement
Recommendation 52: Referred to Congress
Recommendation 54: Noted
Recommendation 55: Referred to the Secretariat for action; and

DIRECTS the Secretary-General to inform all concerned.
Res. 21 (EC-IV) - METEOROLOGICAL CODES AND FORMS OF MESSAGES

THE EXECUTIVE COMMITTEE,

NOTING Recommendations 1 to 11, 15, 16, 18 and 20 (CSM-I); and

CONSIDERING the urgent need for having universal meteorological forms of messages and codes;

DECIDES,

(1) To adopt Recommendations 1 to 10, 15, 16, 18 and 20 (CSM-I);

(2) That the revised POMAR code form and specifications be introduced on the same date as the date of introduction of the AIREP code, to be determined with the International Civil Aviation Organization;

(3) That the forms of message and codes for reporting atmospheres and for reports of meteorological reconnaissance flights be introduced as soon as possible;

(4) That the remaining code forms and codes be implemented as from 1 January 1955; and

DIRECTS the Secretar Y-General:

(1) To inform all Members and the Directors of Meteorological Services of non-Member countries of this resolution;

(2) To inform Presidents of Regional Associations of this resolution, with a request that they take urgent steps with regard to the adoption of groups which are optional for Regions;

(3) To prepare in consultation as necessary with the President of the Commission for Synoptic Meteorology and publish as soon as possible a new edition of Publication No. 9, Fascicule 1, incorporating the changes resulting from this resolution;

(4) To inform the International Civil Aviation Organization of this resolution.

Res. 22 (EC-IV) - TIME OF INTERMEDIATE SYNOPTIC OBSERVATIONS

THE EXECUTIVE COMMITTEE,

NOTING Resolution 18 (IMC Paris 1946) and Recommendation 14 (CSM-I); and

CONSIDERING the need felt, in certain countries, for more frequent intermediate surface charts for aeronautical forecasting purposes;
RECOMMENDS,

(1) That intermediate observations should be taken at the following standard times:
   (a) 0300, 0900, 1500 and 2100 GMT, or
   (b) 0200, 0400, 0800, 1000, 1400, 1600, 2000 and 2200 GMT;

(2) That uniformity in the times of intermediate observations shall be maintained over large areas;

(3) That preference should be given to the standard times 0300, 0900, 1500 and 2100 GMT;

DIRECTS the Secretary-General to bring this resolution to the notice of all Members.

Res. 23 (EC-IV) - CODING OF UPPER AIR TEMPERATURE

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 17 (CSM-I); and

CONSIDERING that coding of upper air temperatures in a uniform manner is highly desirable;

DECIDES that degrees Celsius be used for coding temperatures in all upper air reports; and

DIRECTS the Secretary-General to bring this resolution to the attention of Permanent Representatives of Members.

Res. 24 (EC-IV) - INCLUSION OF SHIPS' CALL SIGNS IN METEOROLOGICAL MESSAGES

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 29 (CSM-I) and Resolution 3 (CMM-I); and

CONSIDERING,

(1) That the inclusion of call signs in collective messages of ships' reports is desirable in order that users may identify the vessels concerned;

(2) That the call sign of each ship originating a meteorological report is known to the coast station receiving the message, as that call sign is used by the ship when initiating the call to the coast station;

(3) That if ships include their call signs in the text of original messages, extra cost would be involved;
Resolution 25 (EC-IV)

RESOLUTION 25 (EC-IV)

RECOMMENDS,

(1) That Members should, if possible, arrange with their telecommunication services for the inclusion of 4-letter call signs of ships in the preamble of weather messages from selected and supplementary ships when transmitted from coastal receiving stations to collecting centres;

(2) That these call signs should also be included in all collective messages of reports from selected and supplementary ships;

(3) That in cases where inclusion of these call signs is not possible, identification of selected and supplementary ships be made by name or by special numbers; and

CANCELS Resolution 92 (CD Washington 1947); and

DIRECTS the Secretary-General to bring this resolution to the attention of all Members.

Res. 25 (EC-IV) - Analysis Areas and Exchange of Analyses

The Executive Committee,

NOTING,

(1) Recommendation 31 (CSM-I);

(2) The recommendations of various constituent bodies of the International Civil Aviation Organization, the International Meteorological Organization and the World Meteorological Organization on the establishment of master analysis areas and centres; and

CONSIDERING that there is a need for world-wide co-ordination in the establishment of master analysis areas and centres and in the international exchange of analyses for all purposes;

RECOMMENDS,

(1) That master analysis centres should be responsible for the issue of surface and upper air analyses (both actual and prognostic) for the areas of responsibility assigned to them; except in equatorial regions, upper air analyses should give information for 700 mb, 500 mb, 300 mb levels and such other levels as may be required under Regional agreements;

(2) That actual surface analyses should be issued within 6 hours and upper air analyses within 8 hours after the synoptic hours to which they refer; surface prognostic analyses should be issued within 8 hours and upper air prognostic analyses within 10 hours after the hours of observation upon which they are based;
(3) That if an exchange of analyses for smaller areas is an essential Regional requirement, e.g. as an aid in the compilation of master analyses for the areas indicated on the attached chart:

(i) These smaller areas should so far as possible be convenient subdivisions of the areas indicated on the chart,

(ii) The centre responsible for the issue of the upper air analysis for a small area should be the same as that responsible for the corresponding surface analysis, and

(iii) The international exchange of these analyses for small areas should be limited to exchange within the Region, and

REQUESTS that each Regional Association review:

(1) The world plan for master analysis areas detailed in Recommendation 31 (CSM-I),

(2) The desirable frequency of issue of actual and prognostic surface and upper air analyses in the Region; and

DIRECTS the Secretary-General:

(1) To bring this resolution to the attention of Presidents of Regional Associations and the Presidents of the Commissions for Aeronautical Meteorology and for Synoptic Meteorology;

(2) To inform the International Civil Aviation Organization of the present position with regard to the establishment of analysis areas and centres.

Res. 26 (EC-IV) - PROCEDURES FOR RADIOTELEGRAPH METEOROLOGICAL BROADCASTS

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 35 (CSM-I); and

CONSIDERING the desirability of uniform practice in the preparation and transmission of meteorological data in radiotelegraph broadcasts;

RECOMMENDS that the procedures outlined below be followed in preparing and transmitting data in radiotelegraph meteorological broadcasts in Morse Code for general purposes:

(1) Transmissions should be made by an automatic keying device to ensure correct speed as well as uniformity of transmission. The speed should be between 18 and 20 five-figure groups per minute (24 to 28 bauds). In areas where transmission and reception are still accomplished by hand, the average speed of transmission may be 15 five-figure groups per minute if agreed Regionally;

(2) Transmitting stations should make marking transmissions over a period of two minutes before the scheduled time of beginning
of each transmission. A marking transmission should also be sent by these transmitters each time they resume their traffic after an interruption of more than ten minutes. A station which is unable to commence its transmissions at the scheduled time should interrupt its marking transmission at the time scheduled and, after transmitting its call signs, it should indicate the estimated duration of the delay or send the appropriate Q code signal. The marking transmission will then be transmitted until the transmission can be effected normally. After an estimated duration of delay is stated, the scheduled transmission shall not be commenced until after the expiration of such a time interval;

(3) All automatic transmissions should be made from perfectly perforated tape or from tape in which all errors detected have been removed. Errors detected during transmission should, when practicable, be corrected by transmitting the correction manually; when this is not practicable the correction should be sent at the end and as a continuation of the transmission preceded by the procedure signal "COR";

(4) When radio broadcasts are being transmitted on more than one frequency simultaneously, the call sign of each of the frequencies on which the transmission is being made shall be indicated. Stations should indicate the addition or deletion of a frequency if this occurs during a transmission; and

DIRECTS the Secretary-General to bring this resolution to the attention of Permanent Representatives of Members.

Res. 27 (EC-IV) - WORLD-WIDE ORGANIZATION OF METEOROLOGICAL BROADCASTS

THE EXECUTIVE COMMITTEE,

NOTING,

(1) Recommendation 38 (CSM-1); Recommendation 6 (I-RA I), Resolution 19 (I-RA III);

(2) The deficiencies which are currently experienced by individual Services, partly as a result of the fact that Resolution 20 (IMC Paris 1946) of the International Meteorological Committee has not been completely implemented, are not so great as to require a radical change in the basic principles underlying the existing organization of such broadcasts;

(3) That the introduction of more modern telecommunications techniques is effective in supplementing the exchange of data between certain Regions which have developed such techniques;

RECOMMENDS,

(1) That each Regional Association should determine the continental and sub-continental broadcasts in its Region, taking the following list as a guide:
(2) That each Regional Association should formulate plans as necessary for the improvement of the existing radio transmissions and the establishment of teleprinter networks or circuits or high-speed radiotelegraph transmissions within the Region as a means of remedying certain existing deficiencies, such plans to be integrated by the Commission for Synoptic Meteorology on a world-wide basis at a later stage;

(3) That each Regional Association should supply the Secretariat of the World Meteorological Organization with a consolidated statement of deficiencies and suggestions for improving the exchange of information so that these may be considered by the Telecommunications Working Group of the Commission for Synoptic Meteorology;

(4) That the following principles should apply with respect to the responsibilities of Regional Associations in the organization of meteorological broadcasts:

(a) That each Regional Association should assume responsibility for making arrangements leading to the establishment and maintenance of continental and sub-continental broadcasts (or alternative telecommunication systems) which are adequate to meet the requirements stipulated by the Commission for Synoptic Meteorology for the interchange of meteorological data within its own Region and between its own Region and adjacent Regions;

(b) That each Regional Association should assume responsibility for assigning to its continental and sub-continental broadcast centres the specific areas and countries from which reports are collected for inclusion in its broadcasts;

(c) That the contents, schedules and other important aspects of continental and sub-continental broadcasts be determined by Regional Associations after consultation with known or probable recipients within and without the Region;

CANCELS Resolution 6 (CD Paris 1951); and

DIRECTS the Secretary-General to bring this resolution to the attention of Presidents of Regional Associations and of the President of the Commission for Synoptic Meteorology.
Res. 28 (EC-IV) - FACSIMILE APPARATUS

THE EXECUTIVE COMMITTEE,

NOTING,

1. Recommendation 39 (CSM-I) and Recommendation 6 (I-RA IV);
2. That the question of standardization of facsimile apparatus is under consideration in a study group of the International Radio Consultative Committee and has been discussed by the International Telegraph Consultative Committee; and

CONSIDERING that facsimile is an extremely effective means of communication for meteorology, permitting even in its present stage of development, improvements in meteorological services, complete accuracy of material transmitted, and a certain amount of economy;

RECOMMENDS,

1. That all Members should encourage the development of facsimile apparatus for meteorological purposes and should keep the Secretary-General informed of experimental transmissions or scheduled broadcasts, with a view to inclusion of such information as may be of international interest in Fascicule III of Publication No. 9;
2. That Members should send a report to the Secretary-General on the present situation with regard to the development of facsimile, including technical details;
3. That Members should inform the Secretary-General of subsequent progress by sending an annual supplement to the above report; and

DIRECTS the Secretary-General:

1. To prepare and issue a consolidated report of the present situation in different countries;
2. To issue an annual supplement to the consolidated report;
3. To bring this resolution to the notice of Permanent Representatives of all Members.

Res. 29 (EC-IV) - WEATHER ANALYSIS SYMBOLS AND FRONTAL TERMINOLOGY

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 46 (CSM-I) and Recommendation 13 (CAe-I); and

CONSIDERING,

1. The need for the improvement and standardization of weather analysis symbols;
(2) The inadequacy of existing standard frontal terminology for describing some three-dimensional frontal structures;
(3) The lack of a standard nomenclature for frontal surfaces separating two specific air masses;

REQUESTS Directors of Meteorological Services to report to the Secretary-General on definitions and nomenclature of weather analysis symbols and of frontal terminology now used on a national basis; and

DIRECTS the Secretary-General:
(1) To bring this resolution to the attention of Directors of Meteorological Services;
(2) To distribute all reports received to Directors of Meteorological Services for review and comment;
(3) To undertake in the Technical Division studies of:
   (i) Improvement and standardization of weather analysis symbols;
   (ii) Standardization of frontal terminology, definitions and nomenclature; and
(4) To submit the result of the studies to the Presidents of the Commissions for Synoptic Meteorology and for Aerology, as appropriate.

Res. 30 (EC-IV) - INTERNATIONAL CLOUD ATLAS - 1953

THE EXECUTIVE COMMITTEE,

NOTING Resolution 36 (EC-III) and Recommendation 49 (CSM-I); and

HAVING CONSIDERED the proposals of the Commission for Synoptic Meteorology and of the Working Group on the Cloud Atlas;

DECIDES,
(1) That the International Cloud Atlas - 1953 be completed and published as soon as possible in the following separate volumes:
   (a) International Cloud Atlas - 1953
      (i) Volume I - Text
      (ii) Volume II - Plates
   (b) International Cloud Atlas - 1953 Abridged
   (c) International Cloud Album for observers in aircraft;
(2) That the proposals contained under "Recommends", paragraphs (3) to (10) of Recommendation 49 (CSM-I) be followed;
(3) That the size of the pages be approximately 27 x 21 cm;
(4) That the lettering on the covers be in real gold;
(5) That the text and the legends be set up in single column;
(6) That there should not be a dedication page;
(7) That arrangements be made for an English-speaking meteorologist to undertake the following duties:
   (a) To edit the English version of Volume I;
   (b) To write the text of the Abridged Atlas;
   (c) To complete the editing of the legends; and

DIRECTS the Secretary-General to proceed with the production of the Atlas as quickly as possible in consultation as required with the President of the Commission for Synoptic Meteorology.

Res. 31 (EC-IV) - PUBLICATION OF AN INTERNATIONAL LIST OF SELECTED AND SUPPLEMENTARY SHIPS

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 2 (CSM-I) and Recommendation 53 (CSM-I); and

CONSIDERING that the publication of an international list of all selected and supplementary ships would be of considerable value;

DECIDES,

(1) To publish in mimeographed form an international list of selected and supplementary ships;
(2) To keep the list up to date by means of supplements to be issued at 6-monthly intervals;
(3) To use the Annex as a basis for the contents of the publication; and

DIRECTS the Secretary-General to take the necessary steps to this end in consultation with the Presidents of the Commission for Synoptic Meteorology and the Commission for Maritime Meteorology.

ANNEX

INFORMATION TO BE CONTAINED IN THE PUBLICATION OF AN INTERNATIONAL LIST OF SELECTED AND SUPPLEMENTARY SHIPS

1. Name of vessel
2. Call sign
3. Route or Route Designator
4. Type of barometer
5. Type of hygrometer (e.g. screen, sling psychrometer)
6. Method of obtaining sea surface temperature
7. Type of barograph (e.g. open scale, small scale)
8. Other instruments.
RESOLUTIONS 32 (EC-IV) - 33 (EC-IV)

Res. 32 (EC-IV) - NETWORKS IN THE TROPICS

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 5 (I-RA IV) Recommendation 19 (CAe-I), Resolution 37 (I-RA III), Resolution 8 (CSM-I), and Resolution 7 (I-RA I); and

CONSIDERING that there is an urgent need for establishing criteria for determining what constitutes an adequate meteorological network in tropical regions, especially for radiosonde stations;

REFERS this question to the President of the Commission for Synoptic Meteorology for study and report; and

REQUESTS the President of the Commission for Synoptic Meteorology to submit a report on the subject to the Executive Committee as soon as possible.

Res. 33 (EC-IV) - TARIFFS FOR METEOROLOGICAL TELEGRAMS AND LEASE OF CIRCUITS TO METEOROLOGICAL SERVICES

THE EXECUTIVE COMMITTEE,

CONSIDERING,

(1) That the question of special rates for meteorological telegrams as mentioned in Article 80 of the International Telegraph Regulations is to be discussed at the next International Telegraph Conference;

(2) That the International Telegraph Consultative Committee has decided that no preferential reductions should be granted for circuits leased to Meteorological Services;

DECIDES that the Secretary-General carry out a study of the importance to Members of special tariffs for meteorological telegrams and for lease of circuits to Meteorological Services; and

DIRECTS the Secretary-General to submit the results of the above study to the President of the Commission for Synoptic Meteorology as soon as possible with a view to making proposals to the Executive Committee on what further action should be taken by the Organization.
Res. 34 (EC-IV) - REPORT OF THE FIRST SESSION OF THE COMMISSION FOR CLIMATOLOGY

THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the resolutions and recommendations adopted at the First Session of the Commission for Climatology;

DECIDES,

(1) To note the report of the session;

(2) To embody the substance of the following recommendations in resolutions of the Executive Committee as indicated:

Recommendation 2 (CCL-I) in Resolution 35 (EC-IV)
Recommendation 6 (CCL-I) in Resolution 12 (EC-IV)
Recommendation 11 (CCL-I) in Resolution 36 (EC-IV)
Recommendation 12 (CCL-I) in Resolution 37 (EC-IV)
Recommendation 23 (CCL-I) in Resolution 38 (EC-IV)
Recommendation 33 (CCL-I) in Resolution 39 (EC-IV)
Recommendation 34 (CCL-I) in Resolution 41 (EC-IV)
Recommendation 38 (CCL-I) in Resolution 41 (EC-IV)

(3) To take action on the following recommendations as indicated:

Recommendation 1: Noted in the Minutes
Recommendation 3: Referred to the Secretariat for preparation of report
Recommendation 4: Referred to the Secretariat for preparation of report
Recommendation 5: Adopted for inclusion in Technical Regulations or a suitable guide
Recommendation 7: Adopted for inclusion in a suitable guide
Recommendation 8: Referred back to the President of the Commission for Climatology, suggesting that he should set up working groups and should invite the Presidents of other Technical Commissions concerned to suggest members for the groups
Recommendation 10: Noted in Minutes that it will be referred to Congress
Recommendation 13: Noted that this recommendation has been referred to the President of the Commission for Aerology
Recommendation 14: Noted in the Minutes
Recommendation 15: Referred to the Secretariat for action
Recommendation 16: Noted that this recommendation has been referred to the President of the Commission for Instruments and Methods of Observation
Recommendation 17: Adopted for inclusion in Technical Regulations or a suitable guide
Recommendation 18: (1) Adopted for inclusion in a suitable guide
(2) Noted that this recommendation has been referred to the President of the Commission for Instruments and Methods of Observation

Recommendation 19: Adopted for inclusion in Technical Regulations or a suitable guide

Recommendation 20: Referred to the Presidents of Technical Commissions for comment

Recommendation 21: Noted for action by the Secretariat

Recommendation 22: Adopted for inclusion in a suitable guide

Recommendation 24: Referred back to the Commission for Climatology for further consideration

Recommendation 25: Adopted for inclusion in a suitable guide and referred to the Presidents of Regional Associations

Recommendation 26: Adopted for inclusion in a suitable guide

Recommendation 27: Referred to the Presidents of the Commission for Instruments and Methods of Observation and the Commission for Agricultural Meteorology

Recommendation 28: Noted that this recommendation has been referred to the President of the Commission for Instruments and Methods of Observation

Recommendation 29: Noted for action by the Secretariat

Recommendation 30: Adopted for inclusion in a suitable guide

Recommendation 31: Adopted for inclusion in a suitable guide

Recommendation 32: Referred to the President of the Commission for Synoptic Meteorology

Recommendation 35: Adopted for inclusion in Technical Regulations

Recommendation 36: Referred to the President of the Commission for Aeronautical Meteorology

Recommendation 37: Referred back to the Commission for Climatology for clarification

Recommendation 39: Noted that this recommendation has been referred to the President of the Commission for Synoptic Meteorology

Recommendation 40: Referred to the Chairman of the Working Group on International Geophysical Year

Recommendation 41: Referred to the Arid Zone Panel

Recommendation 42: Referred to the Secretariat for incorporation in Technical Regulations in a form such as "80-column punched cards should be considered as the standard for climatological uses".
Recommendation 43: Referred to the Arid Zone Panel
Recommendation 44: The action already taken by the President was approved, and

DIRECTS the Secretary-General to inform all concerned.

Res. 35 (EC-IV) - WORLD WEATHER RECORDS

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 2 (CC1-I); and

CONSIDERING the value of continuing the publication of historical climatological data of the kind published by the Smithsonian Institution in World Weather Records;

RECOMMENDS that Meteorological Services make every effort to include in the CLIMAT bulletin complete data for all stations which appear in the 1941-50 supplement to World Weather Records so that future editions will be facilitated; and

DIRECTS the Secretary-General to bring this resolution to the notice of Permanent Representatives of Members and Directors of Meteorological Services of non-Member countries.

Res. 36 (EC-IV) - PUBLICATION OF SURFACE SYNOPTIC OBSERVATIONS

THE EXECUTIVE COMMITTEE,

NOTING Resolution 107 (CD Warsaw 1935) and Recommendation 11 (CC1-I); and

CONSIDERING the request for prompt publication of checked surface synoptic observations;

DIRECTS the Secretary-General:

(1) To undertake in the Technical Division an analysis of the present practices of different Meteorological Services as regards the publication of surface synoptic observations;

(2) To ascertain the extent of the demand for publications containing surface synoptic observations;

(3) To report to the next session of the Executive Committee.
Res. 37 (EC-IV) - PUBLICATION OF DIRECTORIES OF CLIMATOLOGICAL STATIONS

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 12 (CCL-I); and

CONSIDERING the great value of detailed information concerning climatological stations;

RECOMMENDS,

(1) That Meteorological Services prepare national directories for climatological stations (i.e., stations from which the observations are used for climatological purposes);

(2) That the following details for each station be included in the directories;
   (a) A short general description of exposure and geographic position;
   (b) A short basic history (dates of beginning of records, removals, closing or interruption of records, changes in the name of the station, important changes in observational programme);
   (c) The height above mean sea level of barometer and height above surface of thermometer, rain-gauge, anemometer;
   (d) The name of the supervising organization or institution; and

DIRECTS the Secretary-General to bring this resolution to the notice of Permanent Representatives of Members and Directors of Meteorological Services of non-Members.

Res. 38 (EC-IV) - SURVEYS OF FLOOD-PRODUCING STORMS

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 23 (CCL-I); and

RECOGNIZING,

(1) The hydrological significance of the relation between precipitation and run-off;

(2) The importance of studies of individual flood-producing storms;

(3) That an exchange of meteorological data between neighbouring Meteorological Services is often indispensable for such studies;

RECOMMENDS,

(1) That Meteorological Services should carry out and publish special surveys of individual flood-producing storms;
That these surveys should include consideration of the synoptic, climatological and hydrological aspects of the storms; and

DIRECTS the Secretary-General to bring this resolution to the notice of Permanent Representatives of Members and Directors of Meteorological Services of non-Members.

Res. 39 (EC-IV) - CLIMAT PUBLICATION

THE EXECUTIVE COMMITTEE,

NOTING Congress Resolution 17 (I) and Recommendation 33 (CCl-I); and

CONSIDERING the request for publication of CLIMAT and CLIMAT TEMP data for climatological research purposes;

DIRECTS the Secretary-General:

(1) In consultation with the Presidents of the Technical Commissions concerned to undertake in the Technical Division an enquiry to determine:

(a) The purposes and value of a publication containing CLIMAT and CLIMAT TEMP data;

(b) The stations for which data should be included;

(c) What additional staff, expenditure and facilities would be required if such a publication were to be undertaken by the World Meteorological Organization;

(d) The possibility of sponsoring the undertaking of such a publication by some other organization or service;

(2) To report to the next session of the Executive Committee.

Res. 40 (EC-IV) - REPORT OF THE FIRST SESSION OF THE COMMISSION FOR AEROLOGY

THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the resolutions and recommendations adopted at the First Session of the Commission for Aerology;

DECIDES,

(1) To note the report of the session;

(2) To embody the substance of the following recommendations in resolutions of the Executive Committee as indicated:
Recommendation 13 (CAe-I) in Resolution 29 (EC-IV)
Recommendation 14 (CAe-I) in Resolution 41 (EC-IV)
Recommendation 17 (CAe-I) in Resolution 41 (EC-IV)
Recommendation 18 (CAe-I) in Resolution 42 (EC-IV)
Recommendation 22 (CAe-I) in Resolution 9 (EC-IV)
Recommendation 25 (CAe-I) in Resolution 43 (EC-IV)
Recommendation 32 (CAe-I) in Resolution 44 (EC-IV)
Recommendation 34 (CAe-I) in Resolution 12 (EC-IV)
Recommendation 36 (CAe-I) in Resolution 45 (EC-IV)

(3) To take the following action on the following recommendations:

Recommendation 1: Referred to the Secretariat for action
Recommendation 2: Adopted for inclusion in new edition of IMO Publication No. 79
Recommendation 3: Adopted for inclusion in new edition of IMO Publication No. 79
Recommendation 4: Adopted for inclusion in new edition of IMO Publication No. 79
Recommendation 5: Adopted for inclusion in new edition of IMO Publication No. 79
Recommendation 6: (1) Secretary-General to inform Members of the existence of these tables  
(2) Referred to the Working Group on International Meteorological Tables
Recommendation 7: Secretary-General to inform Members of the existence of these tables
Recommendation 8: Adopted for inclusion in new edition of IMO Publication No. 79
Recommendation 9: Referred to the Working Group on International Meteorological Tables
Recommendation 10: Noted
Recommendation 11: Noted for consideration as a project for the next financial period
Recommendation 12: Adopted for inclusion in a suitable guide
Recommendation 15: It was noted that this recommendation had been referred to the President of the Commission for Aeronautical Meteorology
Recommendation 16: It was noted that this recommendation had been referred to the President of the Commission for Climatology
Recommendation 19: Noted
Recommendation 20: It was noted that this recommendation had been referred to the President of the Commission for Synoptic Meteorology
Recommendation 21: It was noted that this recommendation had been referred to the President of the Commission for Synoptic Meteorology
Res. 41 (EC-IV) - PUBLICATION OF AEROLOGICAL OBSERVATIONS

THE EXECUTIVE COMMITTEE,

NOTING Resolution 40 (EC-III), Recommendation 14 (CAe-I), Recommendation 11 (CCL-I), Recommendation 34 (CCL-I) and Recommendation 38 (CCL-I); and

CONSIDERING the urgent need to make aerological data available in order to satisfy the requirements of scientific and operational investigations;

RESOLUTION 41 (EC-IV)

Recommendation 23: Secretary-General to bring this recommendation to the notice of Members

Recommendation 24: Secretary-General to bring this recommendation to the notice of Members and of the International Radio Consultative Committee

Recommendation 26: Adopted for inclusion in a suitable guide

Recommendation 27: Adopted for inclusion in a suitable guide

Recommendation 28: Adopted for inclusion in a suitable guide

Recommendation 29: To be referred to the Presidents of the Commission for Instruments and Methods of Observation and the Commission for Maritime Meteorology

Recommendation 30: Noted

Recommendation 31: The glossary should be completed and published as part of the main meteorological glossary

Recommendation 33: Referred back to the President of the Commission for Aerology for reconsideration

Recommendation 35: To be referred to the Presidents of Technical Commissions for comment

(4) To comment as follows on Resolution 7 (CAe-I):

It was decided that the President of Regional Association VI should be asked to suggest alternative procedures to the proposal that the Secretariat should assist in the computation and distribution of the results; and

DIRECTS the Secretary-General to inform all concerned.
RESOLUTION 42 (EC-IV)

RECOMMENDS,

(1) That all Meteorological Services, either individually or in groups, under mutual agreement, shall make available checked data of aerological observations and their monthly means and extremes, including those from Ocean Weather Stations, if possible by publication. Where this is impracticable, the data should be made available on request by means of microfilm copies or by other suitable means;

(2) That in making the data available, preference shall be given to the use of the general formats published as Tables Ia, Ib, Ic or IIa, IIb, IIc of the Annex to Recommendation 14 (CAe-I);

(3) That when the format used does not include monthly means and extremes as specified in Table Ia, these values should be published in a supplement; and

DECIDES,

(1) That the Secretary-General shall carry out an annual enquiry to ascertain the degree of implementation of the above recommendation by Meteorological Services;

(2) That the Secretary-General shall distribute an annual report to all Meteorological Services giving the results of this enquiry; and

DIRECTS the Secretary-General:

(1) To bring this resolution to the attention of all Meteorological Services;

(2) To take the necessary steps for carrying out the annual enquiry referred to above.

Res. 42 (EC-IV) - DEFINITION OF TROPOPAUSE

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 18 (CAe-I); and

CONSIDERING the need for a definition of the tropopause for use in climatology and synoptic meteorology;

RECOMMENDS,

(1) That Meteorological Services should apply the definitions contained in the Annex to this resolution from 1 January 1954;

(2) That Meteorological Services should communicate their findings on the first year's results to the Secretariat; and
RESOLUTION 43 (EC-IV)

DIRECTS the Secretary-General:

(1) To bring this resolution to the notice of Meteorological Services;

(2) To prepare in the Technical Division a consolidated report based on the communications received after the first year from Meteorological Services;

(3) To distribute the report to all Meteorological Services.

ANNEX

DEFINITION OF TROPOPAUSE

(a) The "first tropopause" is defined as the lowest level at which the lapse-rate decreases to $2^\circ$C/km or less, and averages $2^\circ$C/km or less for at least 2 km above;

(b) If in any higher layer the average lapse-rate exceeds $3^\circ$C/km over at least 1 km then a "second tropopause" above this layer is defined by the same criterion as under (a);

(c) Further tropopauses are defined at higher levels by the same criterion as under (b).

Notes: (1) In applying definitions, it is desirable as far as possible to exclude the bases of frontal and other tropospheric stable layers, and it is suggested that Meteorological Services should develop criteria to this end according to their regional experience. Only levels with pressures greater than about 30 mb should be considered.

(2) In reporting or recording procedures, provision should be made for inability to identify a tropopause.

Res. 43 (EC-IV) - PUBLICATION ON ATMOSPHERICS TECHNIQUES

THE EXECUTIVE COMMITTEE,

NOTING,

(1) Resolution 30 (EC-III) and Recommendation 25 (CAe-I),

(2) That, in accordance with the authority given in Resolution 2 (EC-III), this matter has been dealt with as an urgent question, and that information has now been gathered by the Secretariat on equipment used for observing atmospherics; and
CONSIDERING,
(1) The need for a publication describing briefly the various techniques used for locating atmospherics;
(2) The valuable contribution already made to this subject by the Circular 22-AN/19 of the International Civil Aviation Organization;

DECIDES that the Organization should publish a brief report describing the atmospherics techniques currently employed; and

DIRECTS the Secretary-General to prepare and publish this report on the basis of information received from Directors of Meteorological Services.

Res. 44 (EC-IV) - COMPARISON OF ATMOSPHERICS TECHNIQUES

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 32 (CAe-I); and

CONSIDERING,
(1) The request from the International Civil Aviation Organization for a review and evaluation of the various techniques currently used in locating storm areas by radio-electric means;
(2) The usefulness of such an assessment to Meteorological Services and radio-meteorologists;
(3) The preliminary estimates of the accuracy of atmospherics fixes supplied to the Secretariat of the World Meteorological Organization by the Directors of the Meteorological Services of France, Switzerland, the United Kingdom and the United States;

DECIDES,
(1) That the attention of the Directors of the Meteorological Services of France, Switzerland and the United Kingdom should be called to the desirability of arranging for a comparison of the different techniques by organizing an exchange of atmospherics data, by operating different instruments on the same site, or by any other means;
(2) That these Directors should be invited to inform the Secretariat of the World Meteorological Organization, before 1 July 1954, what steps they have decided to take for carrying out this comparison;
(3) That the Secretariat of the World Meteorological Organization should prepare a statement of the results of the comparisons as soon as sufficient information is available;
(4) That Meteorological Services should be invited to continue to make special efforts in areas covered by atmospherics networks to obtain reports from aircraft on the observed positions of thunderstorms for comparison with the information provided by the atmospherics networks. It should be brought to the attention of aircrews and operators that their reports will help to improve atmospherics techniques and thus contribute to aircraft safety; and

DIRECTS the Secretary-General to bring this resolution to the attention of Directors of all Meteorological Services.

---

Res. 45 (EC-IV) - AIRCRAFT ICING

THE EXECUTIVE COMMITTEE,

NOTING,

(1) Recommendation 36 (CAe-I);

(2) Sub-paragraph 10.8.8 of Recommendation 10, Paris 1950, of the Fifth Session of the Commission for Aeronautical Meteorology requesting a study, by the Panel of Cloud Experts of the International Meteorological Organization, of the physical characteristics of clouds and their relationship with icing of exposed surfaces; and

CONSIDERING,

(1) That this panel no longer exists;

(2) That this subject falls within the terms of reference of the Commission for Aerology;

DIRECTS the Secretary-General:

(1) To collect information on experimental research on the icing of aircraft and other exposed surfaces in clouds and its relation with cloud characteristics, such as water and ice content and particle size distribution;

(2) To prepare a report on the basis of this information;

(3) To submit the report for approval to the President of the Commission for Aerology;

(4) To make every effort to have the report ready for the First Session of the Commission for Aeronautical Meteorology.
THE EXECUTIVE COMMITTEE,

HAVING CONSIDERED the resolutions and recommendations adopted at the First Session of the Commission for Instruments and Methods of Observation;

DECADES,

(1) To note the report of the session;

(2) To embody the substance of the following recommendations in resolutions of the Executive Committee as indicated:

Recommendation 4 (CMO-I) in Resolution 47 (EC-IV)
Recommendations 9, 10 and 11 (CMO-I) in Resolution 48 (EC-IV)
Recommendation 51 (CMO-I) in Resolution 49 (EC-IV)
Recommendations 32, 34 and 35 (CMO-I) in Resolution 50 (EC-IV)

(3) To take action on the following recommendations as indicated:

Recommendation 1: Referred to Presidents of other Technical Commissions for comments
Recommendation 2: Referred to the Secretariat for action
Recommendation 3: Noted for inclusion in the proposals for the second financial period
Recommendation 5: Referred to the President of the Commission for Bibliography and Publications
Recommendation 6: Referred to the Secretariat for action
Recommendation 7: Decided not to publish a booklet but suggested that suitable articles could be published in the Bulletin of the World Meteorological Organization
Recommendation 8: Referred to the Secretariat for inclusion in a suitable publication
Recommendation 12: Referred to the Secretariat for action
Recommendation 13: Noted for inclusion in a suitable publication
Recommendation 14: Referred back to the President of the Commission for Instruments and Methods of Observation suggesting that he should set up a working group and should invite Presidents of other Technical Commissions to suggest members for the group
Recommendation 15: Referred to the Secretariat for inclusion in the Guide
Recommendation 16: Referred back to the Commission for Instruments and Methods of Observation for possible study by the Working Group on Barometry

Recommendation 17: Referred to the Secretariat for action, suggesting that the information might be issued as a Technical Note

Recommendation 18: Noted that it had already been referred to the Commission for Maritime Meteorology

Recommendation 19: Referred to the Secretariat for inclusion in the appropriate publication

Recommendation 20: Referred to the Secretariat for action

Recommendation 21: Referred back to the Commission for Instruments and Methods of Observation for further study

Recommendation 22: Referred to the Secretariat for inclusion in the appropriate publication

Recommendation 23: Referred back to the Commission for Instruments and Methods of Observation with the suggestion that this type of investigation was more appropriate to universities than to Meteorological Services

Recommendation 24: Noted

Recommendation 25: Referred to the International Civil Aviation Organization, the Commission for Synoptic Meteorology, the Commission for Aeronautical Meteorology, the Commission for Maritime Meteorology and the Commission for Climatology

Recommendation 26: Referred back to the Commission for Instruments and Methods of Observation for further study

Recommendation 27: Referred to the Secretariat for action

Recommendation 28: Referred to the Secretariat for publication in the Guide

Recommendation 29: Referred back to the Commission for Instruments and Methods of Observation for further study

Recommendation 30: Referred back to the President of the Commission for Instruments and Methods of Observation, suggesting that he should set up a working group and should invite Presidents of other Technical Commissions to suggest members for the group

Recommendation 33: Referred to the Secretariat for bringing to the attention of Members
Recommendation 35: Referred to the Secretariat for bringing to the attention of Members; and DIRECTS the Secretary-General to inform all concerned.

Res. 47 (EC-IV) - GUIDE TO INTERNATIONAL METEOROLOGICAL INSTRUMENT AND OBSERVING PRACTICE

THE EXECUTIVE COMMITTEE,

NOTING,

(1) Recommendation 4 (CIMO-I) and Resolution 128 (CD Washington 1947);

(2) That the Commission for Instruments and Methods of Observation has completed the task of preparing a Guide as laid down in Resolution 128 (CD Washington 1947); and

CONSIDERING,

(1) That the Guide should be kept up to date;

(2) That the Guide should conform with the Technical Regulations of the World Meteorological Organization;

DIRECTS the Secretary-General in consultation as necessary with the President of the Commission for Instruments and Methods of Observation;

(1) To make such re-arrangement and revision of the Guide as may be necessary;

(2) To provide additional sections or chapters for the Guide as may be necessary;

(3) To keep the Guide up to date.

Res. 48 (EC-IV) - INTERNATIONAL BAROMETER CONVENTION

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 9 (CIMO-I), Recommendation 10 (CIMO-I), Recommendation 11 (CIMO-I), Recommendation 5 (CAe-I); and

CONSIDERING the desirability of having a uniform international system of barometer conventions;

DECIDES to adopt the International Barometer Convention given in the Annex to Recommendation 9 (CIMO-I);
POINTS OUT that instruments not complying with the new convention may continue to be used, provided that before being reported their readings are corrected to agree with the new convention;

RECOMMENDS,

(1) That Members should apply the International Barometer Convention of the World Meteorological Organization with effect from 1 January 1955;

(2) That new barometers acquired by Meteorological Services should be in accord with the International Barometer Convention of the World Meteorological Organization so far as it relates to the scales and scale units of the instruments;

(3) That the method given in the Annex to Recommendation 11 (CIMO-I) should be used when converting barometric data computed on the basis of former conventions to conform with the new International Barometer Convention of the World Meteorological Organization; and

DIRECTS the Secretary-General to bring this resolution to the attention of all Members, of the International Organization for Standardization and of the International Committee on Weights and Measures.

Res. 49 (EC-IV) - MEASUREMENT OF RADIATION

THE EXECUTIVE COMMITTEE,

NOTING Recommendation 31 (CIMO-I), Resolution 12 (I-RA.1); and

CONSIDERING,

(1) The importance of radiation measurements in various meteorological studies;

(2) The necessity for regular calibration of radiation instruments at properly equipped radiation centres;

RECOMMENDS,

(1) That Members should consider establishing radiation networks on the lines suggested in paragraphs (2), (3) and (4) of Recommendation 31 (CIMO-I);

(2) That radiation instruments should be calibrated and periodically checked against absolute standards at properly equipped radiation centres;

(3) That, in carrying out programme for measuring radiation, the procedures detailed in paragraphs (5) - (13) of Recommendation 31 (CIMO-I) should be followed; and

DIRECTS the Secretary-General to bring this resolution to the attention of Permanent Representatives of Members.
Res. 50 (EC-IV) - COMPARISON OF RADIOSONDES

THE EXECUTIVE COMMITTEE,

NOTING Resolution 27 (EC-III), Recommendation 32, 34 and 36 (CIMO-I); and

CONSIDERING the desirability of determining the accuracy of radiosondes now in use;

RECOMMENDS,

(1) That before the next international comparison of radiosondes at Fayerne, comparisons of radiosondes used in two or more neighbouring countries should be made, especially if these instruments have not previously been compared;

(2) That the performance of individual types of radiosonde should be investigated by twin soundings;

(3) That, until the Commission for Instruments and Methods of Observation has recommended an improved method, the statistical procedure detailed in the Annex to Recommendation 36 (CIMO-I) should be used in analysing the results of any radiosonde comparisons;

CONSIDERING also the high costs involved in developing a standard radiosonde;

RECOMMENDS that Members should develop methods of checking the accuracy of routine radiosondes by means of sensitive and accurate radiosondes, possibly designed to operate only over limited ranges and to measure only one or two elements; and

DIRECTS the Secretary-General to bring this resolution to the attention of Permanent Representatives of Members and the President of the Commission for Instruments and Methods of Observation.

Res. 51 (EC-IV) - EARTH TEMPERATURE INVESTIGATIONS

THE EXECUTIVE COMMITTEE,

NOTING Resolution 7 (CD Washington 1947) and Resolution 11 (I-R/8 1); and

CONSIDERING that measurements of earth temperature at various depths are of value for many purposes, including agricultural meteorology, climatology and the study of heat exchange between ground and atmosphere;

DECIDES to refer the general question of earth temperature investigations to the Commission for Agricultural Meteorology, the
RESOLUTIONS 52 (EC-IV) - 53 (EC-IV)

Commission for Instruments and Methods of Observation, and the Commission for Climatology for study and report; and

DIRECTS the Secretary-General to bring this resolution to the notice of the President of the Commission for Agricultural Meteorology, the President of the Commission for Instruments and Methods of Observation, and the President of the Commission for Climatology.

Res. 52 (EC-IV) - OFFICIAL SUPPLY OF INFORMATION TO MEMBERS OF THE WORLD METEOROLOGICAL ORGANIZATION

THE EXECUTIVE COMMITTEE,

IN VIEW OF THE DESIRABILITY of providing adequate means for the official information of Members of the Organization;

RESOLVES that the following means should be used by the Secretariat for the official information of Members:

Circular letters to keep Members currently informed on specific matters such as: meetings, contributions etc.;

Annual Reports to supply periodical information to Members regarding general matters such as: past, current and future activities of the Organization, and activities of other international organizations which may be of interest to Members: such annual reports to Members to be prepared by the Secretary-General on the general lines of annual reports to the United Nations and with the approval of the President of the World Meteorological Organization, to be sent to all Members of the Organization not later than 31st of March; and

CANCELS Resolution 10 (EC-II).

Res. 53 (EC-IV) - CONSIDERATION OF THE ACCOUNTS OF THE WORLD METEOROLOGICAL ORGANIZATION FOR THE SECOND FINANCIAL YEAR, 1 JANUARY TO 31 DECEMBER 1952

THE EXECUTIVE COMMITTEE,

NOTING Article 15 of the Financial Regulations; and

RESOLUTION 54 (EC-IV)

GIVES FORMAL APPROVAL to the audited financial accounts of the World Meteorological Organization for the fiscal year 1 January to 31 December 1952, and

DIRECTS the Secretary-General to transmit the financial statements of the accounts together with his report and the report of the External Auditor thereon to all Members of the World Meteorological Organization;

NOTING also that the sum of six thousand seven hundred and eighty-five US dollars ($6,785) appears as fixed assets in the Statement of Assets and Liabilities as at 31 December 1952;

AUTHORIZES a depreciation reserve of $6,784 to write down the fixed assets to one US dollar ($1) and to record this transaction in the accounts of the year ending 31 December 1953.

Res. 54 (EC-IV) - BUDGETARY TRANSFERS, FINANCIAL YEAR 1953

THE EXECUTIVE COMMITTEE,

NOTING that it is expected that the financial obligations of the Organization incurred and to be incurred against Part III, General Services of the Budget of the World Meteorological Organization for the year 1 January to 31 December 1953 as adopted by Resolution 46 (EC-III) will exceed the appropriation for that Part of the Annual Budget, 1953;

NOTING also paragraph 7.6 of the Financial Regulations;

AUTHORIZES the Secretary-General to make the following transfers between the appropriation Parts of the Budget for the year 1953;

(1) A sum not exceeding four thousand US dollars ($4,000) from Part I, Meetings, to Part III, General Services;

(2) A sum not exceeding four thousand US dollars ($4,000) from Part II, Personal Services, to Part III, General Services.
Res. 55 (EC-IV) - ANNUAL BUDGET 1954

THE EXECUTIVE COMMITTEE,

NOTING paragraphs 6.5 and 7.6 of its Financial Regulations;

ADOPTS the Annual Budget for 1954 as given in the Annex to this resolution; and

AUTHORIZES the Secretary-General to make transfers between sections within each Part of the Annual Budget except that funds allocated to the Cloud Atlas Project shall not be so transferred.

ANNEX

BUDGET OF THE WORLD METEOROLOGICAL ORGANIZATION FOR THE FINANCIAL YEAR 1954

1 January - 31 December 1954
(In US dollars)

<table>
<thead>
<tr>
<th>Revenue</th>
<th>$</th>
<th>Expenditure</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions</td>
<td>295,892</td>
<td>I Meetings</td>
<td>24,559</td>
</tr>
<tr>
<td>Sale of publications</td>
<td>3,000</td>
<td>II Personal Services</td>
<td>193,521</td>
</tr>
<tr>
<td>Per General Fund</td>
<td>68,108</td>
<td>III General Services</td>
<td>74,872</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IV Special Projects and activities</td>
<td>65,500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>V Other Budgetary Provisions</td>
<td>4,588</td>
</tr>
</tbody>
</table>

$353,000 $353,000
PART I - MEETINGS

Executive Committee, Regional Associations and Technical Commissions

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel expenses and subsistence allowance during travel of members of the Executive Committee</td>
<td>9,163</td>
</tr>
<tr>
<td>Temporary conference staff for the Executive Committee</td>
<td>9,396</td>
</tr>
<tr>
<td>Supplies and materials</td>
<td>500</td>
</tr>
<tr>
<td>Rental of conference rooms and equipment</td>
<td>900</td>
</tr>
<tr>
<td>Travel and subsistence allowance of Presidents of Technical Commissions at Fifth Session of the Executive Committee</td>
<td>2,700</td>
</tr>
</tbody>
</table>

Regional Associations, Technical Commissions and working groups

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplies, materials and transportation of documents</td>
<td>1,800</td>
</tr>
</tbody>
</table>

**TOTAL PART I** 24,559

PART II - PERSONAL SERVICES

Salaries, wages, overtime

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Established posts</td>
<td>130,044</td>
</tr>
<tr>
<td>Temporary assistance</td>
<td>19,327</td>
</tr>
</tbody>
</table>

**TOTAL** 149,371

Recruitment and termination expenses

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel and removal expenses of recruited staff and dependents</td>
<td>4,456</td>
</tr>
<tr>
<td>Travel and removal expenses of staff separated from the service and dependents</td>
<td>2,228</td>
</tr>
</tbody>
</table>

**TOTAL** 6,684

Staff benefits and allowances

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Pension Fund</td>
<td>20,000</td>
</tr>
<tr>
<td>Staff health insurance and medical service</td>
<td>2,584</td>
</tr>
<tr>
<td>Children’s allowances, education grants and related travel</td>
<td>10,172</td>
</tr>
<tr>
<td>Language courses</td>
<td>600</td>
</tr>
<tr>
<td>Home leave travel</td>
<td>3,210</td>
</tr>
</tbody>
</table>

**TOTAL** 36,966

To be carried forward: Part II: 192,621
ANN. TO RESOLUTION 55 (EC-IV) 

Carried forward: Part II: 192,621

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secretarial assistance to the President</td>
<td>500</td>
</tr>
<tr>
<td>Contribution to administrative expenses of UNJS Pension Board</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>900</td>
</tr>
<tr>
<td><strong>TOTAL PART II</strong></td>
<td><strong>192,521</strong></td>
</tr>
</tbody>
</table>

**PART III - GENERAL SERVICES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel and transportation and insurance against accidents</td>
<td>16,982</td>
</tr>
<tr>
<td>Hospitality</td>
<td>100</td>
</tr>
<tr>
<td>Stationery and office supplies</td>
<td>12,000</td>
</tr>
<tr>
<td>Office equipment and machines and maintenance thereof</td>
<td>4,000</td>
</tr>
<tr>
<td>Library books, periodicals, etc.</td>
<td>1,000</td>
</tr>
<tr>
<td>Contractual printing</td>
<td>27,250</td>
</tr>
<tr>
<td>Communication services</td>
<td>9,000</td>
</tr>
<tr>
<td>Premises (cleaning, maintenance, insurance, heating, lighting)</td>
<td>4,000</td>
</tr>
<tr>
<td>Other supplies and services</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL PART III</strong></td>
<td><strong>74,832</strong></td>
</tr>
</tbody>
</table>

**PART IV - SPECIAL PROJECTS AND ACTIVITIES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standardization and comparison of instruments</td>
<td></td>
</tr>
<tr>
<td>Cloud Atlas</td>
<td>64,000</td>
</tr>
<tr>
<td>Observing Manual for Aircrews</td>
<td></td>
</tr>
<tr>
<td>Thunderstorm Maps</td>
<td>500</td>
</tr>
<tr>
<td>Technical Assistance</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL PART IV</strong></td>
<td><strong>65,500</strong></td>
</tr>
</tbody>
</table>

**PART V - OTHER BUDGETARY PROVISIONS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provision for contingencies and unforeseen expenditures</td>
<td>3,338</td>
</tr>
<tr>
<td>External audit</td>
<td>750</td>
</tr>
<tr>
<td>Public information</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL PART V</strong></td>
<td><strong>4,588</strong></td>
</tr>
</tbody>
</table>

**TOTAL PARTS I - V** 263,000
Res. 56 (EC-IV) - CONTRIBUTIONS OF PROSPECTIVE MEMBERS

THE EXECUTIVE COMMITTEE,

NOTING Congress Resolution 28 (I);

DECREASES that the proportional contributions of the following prospective Members of the Organization shall be:

- British Caribbean Territories .................. 4 units
- British Somaliland .............................. 1 unit
- German Federal Republic ......................... 50 units
- Somaliland under Italian Trusteeship .......... 1 unit
- Spanish Guinea .................................. 1 unit
- Spanish Morocco ................................. 2 units

Res. 57 (EC-IV) - ADVANCES TO THE WORKING CAPITAL FUND

THE EXECUTIVE COMMITTEE,

DECIDES that the advances to the Working Capital Fund for the financial year 1954 shall be 7% of the contributions for that year approved in Resolution 55 (EC-III).

Res. 58 (EC-IV) - RATE OF TRAVEL SUBSISTENCE ALLOWANCE FOR STAFF

THE EXECUTIVE COMMITTEE,

CONSIDERING Chapter 7, Section 9 of Annex III to the Internal Staff Rules for the World Meteorological Organization;

NOTING that the rates of travel subsistence allowance granted to compensate staff members while on official duties away from the normal place of duty, has been revised by United Nations and is constantly subject to further revision by the Consultative Committee on Administrative and Budgetary Questions (CCABQ) in the light of variations in the living expenses incurred in different countries;

DECREASES,

(1) That the appropriate daily subsistence allowance during the stay at the location of the assignment, as stated under the heading of "Rules and computation of allowance" Chapter 7, Section 9 of Annex III to the Staff Rules, shall be as specified hereunder:
Applicable to:          Group 1          Group 2          Group 3
Secretary-General       $15.00      $12.00
Deputy Secretary-General
Chiefs of Divisions     $12.50      $10.00
Senior Technical Officers
Other staff             $10.00      $8.00

Group 1: rates shall apply for all areas, other than those which are designated as belonging to Groups 2 and 3.

Group 2: rates shall apply in the case of periods of stay in areas of relatively lower subsistence costs, as designated by the Secretary-General on receipt of notification from United Nations.

Group 3: rates, which shall be established by the Secretary-General in agreement with those in force and as amended from time to time by the United Nations, shall apply in the case of a limited number of specific areas where special and exceptional conditions are deemed to prevail.

(2) That the rates for travel aboard vessels, trains and airplanes shall remain unaltered, viz:

Secretary-General       $6.00
Deputy Secretary-General
Chiefs of Divisions     $5.00
Senior Technical Officers
Other staff             $4.00

(3) That the relative sections of Annex III referred to above shall be cancelled and substituted by (1) and (2) above;

NOTING the difficulty that has been experienced in applying the paragraphs entitled "Reduced rates" in Annex III, Chapter 7, Section 9 of the Internal Staff Rules;

DECIDES that these paragraphs shall be cancelled and substituted by the following:

Special rates of travel subsistence allowance

In the event of staff members being assigned to conferences or for other extended periods of duty away from their official duty station, the Secretary-General may establish a special rate of subsistence allowance which shall apply for the duration of the assignment. If necessary the Secretary-General may consult with the Director of the Meteorological Service of the country in which the conference or other assignment is to take place in order to establish this special rate.
Res. 59 (EC-IV) - INSURANCE OF THE WORLD METEOROLOGICAL ORGANIZATION AGAINST ACCIDENTS TO STAFF

THE EXECUTIVE COMMITTEE,

NOTING the action taken by the Secretary-General in accordance with Resolution 53 (EC-III);

APPROVES the arrangements made for the World Meteorological Organization to participate in the United Nations scheme to cover its liability to its staff in case of accident during air travel while on duty;

NOTING also the proposals submitted for the Organization to insure itself against accidents to its staff attributable to service other than those due to air travel;

DIRECTS the Secretary-General to finalize the negotiations with the Northern Assurance Company Limited for the provision of compensation to staff for death, injury or other disability, attributable to service as defined in Internal Staff Rule 132, for the World Meteorological Organization, such compensation to cover not only accidents which are deemed to have arisen out of or in the course of performing official duties but also accidents which may be suffered by any staff member whilst proceeding to their place of employment from their domicile or from their place of employment to their domicile.
ANNEX I

DRAFT AGENDA FOR THE SECOND CONGRESS OF THE
WORLD METEOROLOGICAL ORGANIZATION

1. Organization of the session
   1.1 Establishment of Credentials Committee
   1.2 Establishment of other committees of Congress
   1.3 Consideration of the Report of the Credentials Committee
   1.4 Approval of the Agenda
   1.5 Internal Rules of Second Congress
   1.6 Applications for membership of the Organization and of the Regional Associations

2. Reports
   2.1 Report by the President of the Organization on the activities of the Executive Committee and the Secretariat
   2.2 Reports by Presidents of Regional Associations, with resolutions and recommendations
   2.3 Reports by Presidents of Technical Commissions, with resolutions and recommendations
   2.4 Financial report by the Secretary-General and approval of the accounts for the expiring financial period

3. Basic documents
   3.1 Discrepancies between the English and the French texts of the Convention-Article 10 (a) (2)-
   3.2 Review of the General Regulations
   3.3 Review of the Financial Regulations
   3.4 Review of the Staff Regulations
   3.5 Adoption of Technical Regulations - Resolution 15(I) -

4. External relations
   4.1 Agreements with other international organizations
   4.2 Relations with non-Member countries
   4.3 Agreement with host country

5. Programme for the second financial period
   5.1 Participation of the World Meteorological Organization in the United Nations Expanded Programme of Technical Assistance
   5.2 Regular Technical Assistance programme of the World Meteorological Organization
   5.3 Arid Zone programme
   5.4 International Meteorological Institute - Resolution 12(I)-
   5.5 International Cloud Atlas
   5.6 Publication of world meteorological data
   5.7 Review of Technical Publications of the World Meteorological Organization
6. Administrative questions
6.1 Review of establishment of Secretariat - Resolution 38 (1)-
6.2 Review of grades and salary scales of staff of Secretariat
6.3 Maximum expenditure for second financial period
6.4 Review of scale of contributions - Resolution 31 (1)-
6.5 Utilization of funds of the International Meteorological Organization
6.6 Terms of appointment of Secretary-General
6.7 Secretariat building
6.8 Programme of meetings of the constituent bodies and their working groups
6.9 Assistance by the Secretariat during and between sessions of the constituent bodies

7. Nominations, elections and appointments
7.1 Election of President and Vice-Presidents of the Organization
7.2 Election of members of the Executive Committee
7.3 Appointment of Secretary-General

8. Place and date of Third Congress
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OF THE EXECUTIVE COMMITTEE

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