



# INDO-PACIFIC FISHERIES COUNCIL

## PROCEEDINGS

1ST MEETING, 24TH—31ST MARCH, 1949

SINGAPORE

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OFFICE BEARERS  
of the  
INDO-PACIFIC FISHERIES COUNCIL, 1949-1950

*Chairman:* - Dr. Bains Prashad  
*Vice-Chairman:* - Dr. J. D. F. Hardenberg  
*Secretary:\** - Dr. G. L. Kesteven

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		<i>U.K.</i>	Mr. J. A. Tubb
<i>India</i>	Dr. S. B. Setna Dr. C. C. John	<i>U.S.A.</i>	Mr. John A. Clague Mr. Charles Butler

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\* The office of Secretary is occupied by the officer for the time being provided by F. A. O.

## SUMMARY ACCOUNT OF PROCEEDINGS

1. The Meeting opened on Thursday 24th March 1949 at 10.30 a.m. with addresses from the Rt. Honourable Malcolm MacDonald, Commissioner-General for the United Kingdom in South East Asia and from Mr. Norris E. Dodd, Director-General of the United Nations Food Agriculture Organization.

2. The meeting was attended by fifty-two representatives of nine nations. Four of these representatives acted as Observers on behalf of the South Pacific Commission and five other representatives attended as Observers on behalf of Korea, UNESCO and SCAP (see list).

3. The meeting consisted of twelve scheduled and one special session and of various Committee sessions. In addition there were three evening Symposium Sessions.

4. The Council elected Dr. Bains Prashad as its Chairman and Dr. J. D. F. Hardenberg as its Vice-Chairman. These elections were confirmed after adoption of the Council's Rules of Procedure and these gentlemen are therefore the Council's Officers for the current year.

5. The Council discussed Work Paper IPFC/C49/4\* and agreed on the general organization which it desired for the Council (see pp. 7-9). On the basis of this agreement on organization and of the Work Paper IPFC/C49/2 the Council discussed its Rules of Procedure and finally adopted them (see pp. 9, 10-11, 14-16 and the finally adopted Rules; also Appendix 5, p. 20-21).

6. The Council decided that there should be two technical committees of the council, one for biology and hydrology and one for technology and economics. These were provisionally appointed during the meeting and formally established in accordance with Section X (2) of the Rules in the final session. The technical committees were given specific terms of reference (see p. 32). Programmes of work were given to the Committees (see pp. 12-13 and pp. 17-18).

7. The Council recommended in connection with the F.A.O. Journey's Fund (Item 11 of the Agenda, IPFC/C49/6) that the Council's expenses

should be dealt with through a single consolidated fund' (see p. 16).

8. The Council decided to inform the International Commission for Zoological Nomenclature that it had no funds available to enable it to accept the Commission's proposal in connection with standardization of names of commercially important fish. However the Council directed Technical Committee I to communicate with the ICZN to discuss the ways in which such work might be initiated (see IPFC/C49/3 and p. 12).

9. A report was received (IPFC/C49/7) on the matters relating to fisheries discussed at the Seventh Pacific Science Congress (see p. 12).

10. Reports (IPFC/C49/8, and 13) were received from the Technology and Taxonomy Committees appointed at Baguio and were referred to the Technical Committees (see p. 12).

11. The proposal for the establishment of a panel of experts (IPFC/C49/9) was approved in principle and referred to the Technical Committees (see p. 12, also p. 18).

12. The survey of Institutions, vessels, etc was reported (IPFC/C49/12 & 13); the project was approved and Council requested its continuation and completion (see p. 12).

13. The Council adopted a budget for 1949 and submitted comments on commitments for 1950 (see Appendix 3, p. 19, also see p. 14 & p. 16).

14. The Council agreed on a basic publication (the report of its meetings) and on occasional publications in mimeograph form (see p. 14).

15. The Council left it to the Executive Committee to decide on the place of the next regular meeting (see pp. 16-17).

16. The Council devoted a large part of its time to the reading of technical papers of which 18 were contributed (two were not circulated) and 6 were contained in the work paper series. In addition 4 papers were presented during the symposium sessions.

\* Meeting papers are shown as follows: Working papers (see p. 40) as IPFC/C49/ ; Contributed papers (see p. 64) as IPFC/C49/CONTR ; Symposium papers (see p. 118) as IPFC/C49/SYM A series of sessional summary records was issued (see p. 3) as IPFC/C49/SR immediately after the meeting; these are printed in this report on pp. 4-19.

## AGENDA AND CONDUCT OF THE MEETING

The Meeting commenced its work with the following agenda:-

1. Address of Welcome by the Right Honourable Malcolm MacDonald.
2. Opening of Meeting by Norris E. Dodd, Director-General of FAO.
3. Reply on behalf of Delegates.
4. Provisional Adoption of Conference Rules.
6. Adoption of Agenda.
5. Election of Chairman and Vice-Chairman.
7. Appointment of Committee of the Conference.
8. Organisation of the Council.
9. Rules of Procedure of the Council.
10. Appointment of Technical Committees of the Council.
11. F.A.O. Journey's Fund.
12. Technical Committees.
13. Adoption of Committee Reports and Recommendations.
14. Publications.
15. Budget.
16. Closure

Within this agenda it was intended to fit the reading of a series of technical papers. It was planned that the matters of the foregoing agenda should be dealt with in the course of twelve half-day sessions. This plan was carried out, although, as was inevitable, it was necessary in doing so to effect considerable changes in the order of the business. The Summary Record of Proceedings show how the business was conducted. Although the provisional programme, in which the agenda items were tentatively assigned to sessions provided 7 out of 12 sessions for the reading of technical papers and discussion of the business of Technical Committees, it became necessary to reduce this allotment to some extent.

In addition to the above agenda, the meeting devoted three evenings to the conduct of a sym-

posium on the question of investigation of pelagic fisheries.

The summary record of the meetings was issued in sections during and shortly after the meeting. For purposes of identification, the following list of those sections is given:-

SR1	Session 1 on March 24	
2	" 2 " "	24
3	" 3&4 " "	25
4	" 5 and special session on March 26	
5	" 6 on March 28	
6	" 7&8 " "	29
7	" 9&10 " "	30
8	" 11&12 " "	31

# SUMMARY RECORD OF PROCEEDINGS

24th March 1949

**FIRST SESSION.** Opened at 10.30 a.m. Dr. J. L. Kask in the Chair.

1. The Right Honourable Malcolm MacDonald, Commissioner-General for the United Kingdom in South East Asia addressed a speech of welcome to the Meeting (see appendix).

2. The Honourable Norris E. Dodd delivered a speech formally opening the meeting (see appendix).

3. Dr. Bains Prashad (India) replied on behalf of the Delegates, thanking the Commissioner-General and the Director-General for their addresses and help, and assuring them of the intention of the Delegations to carry out the Council programme as far as possible.

The meeting then adjourned for five minutes.

4. *Provisional Adoption of Conference Rules (Item 4).* On resumption, the Chairman suggested that there should be a provisional adoption of the rules of procedure in order to provide a guide for the conduct of the meeting.

The U.S. Delegation moved the provisional adoption of the draft rules, circulated by the Secretariat, with the alteration of Rule 7, Section 1, by the insertion of the words "or alternate Delegate" after the word "nominees"; it was stipulated that such provisional adoption should be without prejudice to any discussion to take place in this connection or to any further amendments to these rules which might be proposed. The motion was seconded by the Netherlands Delegation and was carried unanimously.

5. *Appointment of Chairman (Item 5).* The Acting Chairman called for nominations for the office of Chairman. Dr. Clyde (U.K.) in nominating Dr. Prashad (India) said:-

"The IPFC is a technical body and it is therefore necessary that its office bearer should be a technically qualified person. This is a new organization and it is therefore important that we have as our first Chairman someone of energy and experience. There are other points to be taken into account when we consider the appointment of the first Chairman. Lesser points perhaps, but important in their way; such as availability for meetings and ease

of communication. But I think that from the start we should emphasise the principle that the choice should be of an individual and should be made regardless of any accidental circumstance such as where the meeting happens to take place. It does seem to me, Mr. Chairman, and I am sure it will to many others that the Delegate from India, Dr. Prashad, meets all these requirements most admirably. He is a person of considerable standing in the world of science, in biology and in particular in fisheries. He graduated B.Sc. at the Punjab University in 1912, became a Doctor of Science of that University in 1918 and of Edinburgh in 1926. He has been associated with fisheries since he became Principal Fisheries Officer of Bengal, Bihar and Orissa in 1917. From 1920 to 1944 he was associated with the Zoological Survey of India and he was its Director for at least eleven years. He has carried out research particularly in Zoology and in many other sciences. He was appointed Fisheries Adviser to the Central Government of India in 1944.

I have the greatest pleasure Mr. Chairman, in proposing that Dr. Prashad be the first Chairman of the IPFC."

The nomination was then seconded by Dr. Amirthalingam (Ceylon).

Mr. Sette (U.S.) moved that nominations be closed; this was seconded by Dr. Thompson (Australia) and was carried unanimously.

Dr. Prashad was then declared elected Chairman and invited to take the Chair. Dr. Prashad expressed thanks for the honour conferred on him.

6. The Chairman then called for nominations for the position of Vice-Chairman. Mr. Sette (U.S.) said that the U.S. Delegation was in full agreement with the views expressed by Dr. Clyde that considerations of convenience and competence should be borne in mind. He proposed a man who met all requirements and who was known to all at the meeting, Dr. J. D. F. Hardenberg.

Dr. Thompson (Australia) in seconding this nomination, referred to Dr. Hardenberg's considerable reputation for his work in this region.

7. *Adoption of Agenda (Item 6).* On the motion of Dr. Clyde (U.K.), seconded

by Dr. de Jong (Netherlands) the Agenda circulated as IPFC/C49/1, 2nd Revision was adopted.

Fisheries, Federation of Malaya and Singapore and a letter from Professor Dr. L. G. M. Baas Becking.

Dr. Kask read a cable of greetings to the Conference from Mr. D. W. Le Mare, Director of

Meeting adjourned at 11.30 a.m.

## Appendix 1.

### Address by the Rt. Hon. Malcolm MacDonald, Commissioner General for the United Kingdom in South East Asia.

On behalf of the peoples of Malaya I welcome you all to Singapore. We are happy that you have come here for the first meeting of the Indo-Pacific Fisheries Council. This is an important conference. At it men, representative of countries covering about one half the land surface of the earth, are gathered to consider how to exploit the fish swimming beneath about one third of the world's water surface. Here are delegates from Australia, China, Ceylon, France, India, the Netherlands, Korea, the Philippines, the United States of America and the United Kingdom, with Hong Kong, the Federation of Malaya, Singapore and British Borneo. With you are representatives from the United Nations specialised agencies—the F.A.O. and U.N.E.S.C.O.—as well as of the International Union of Biological Sciences; and some of you are observers for the South Pacific Commission.

If I were a fish, I should regard this assembly of piscatorial pundits with a truly cold and fishy eye, suspiciously and apprehensively. Indeed, I should probably try to discredit your efforts by crying "Stinking Fish". But being an ordinary consumer of fish, who knows what a bounteous, health-giving contribution fish can make to the diet of the human race, I, like countless others, look upon your conference with high appreciation and hope.

I am not going to say anything to you about the science of fishing. Far be it from me to try to teach my grandmother to eat caviar. I shall only remark on two points.

First, your Council is, thank heavens, not a political body. You can avoid politics like the plague. The Indo-Pacific Fisheries Council is a technical and scientific body. Its Constitution and draft Rules provide that when your problems spill over into the muddy pools of political policy, you can leave them there to be disputed by other organisations. So, as trained technicians and scien-

tists you can deal faithfully and freely with facts, and exchange information about the facts with a single-minded devotion to the truth, and formulate on the strict merits of the facts those integrated programmes of international work which are most desirable. You can confer here in that objective spirit which is congenial to men of your high professional integrity and wisdom. Incidentally, Mankind will gain most from international work conducted in that spirit.

The other thing that I should like to say is this. I am glad that you are including in your discussions what are called Socio-Economic questions. Large populations of some of the finest types of inhabitants of Malaya and other countries in this region are fishermen. They and their families depend for their livelihood on fishing. They are skillful and courageous seamen, but often their methods are traditional and simple—even primitive. They can be greatly aided by modern technical knowledge. Their boats and fishing nets and other gear can be improved. Their handling of their business can be brought more up to date. Then their labour will be more profitable, their livelihood more secure, and their lives more prosperous.

You members of this conference can help to bring modern science, with all its gifts, to these splendid peoples. That is one of the reasons why we extend a hearty welcome to you in Singapore.

It is fortunate that Mr. Norris Dodd, the charming, distinguished and able Director-General of the F.A.O., is here today. We are delighted to greet him for his own sake, and also because of the noble work which his world-wide Organisation is doing for humanity. It is a happy circumstance that he arrived here at the time of the first meeting of this Council, and I have pleasure in inviting him to open the Conference.

## Appendix 2.

### Address by the Hon. Norris E. Dodd, Director General of the Food and Agriculture Organisation of the United Nations.

Your Excellency, Ladies and Gentlemen—I am extremely happy to be here today for this inaugural meeting of the Indo-Pacific Fisheries Council. The Food and Agriculture Organisation of the United Nations is greatly indebted to Your Excellency and to your Government for the generous and excellent arrangements which have been made for this meeting. I am sure that these will contribute greatly to the success of the deliberations which are to take place here.

It has long been an ambition of mine to visit Singapore, for naturally enough it is a name which rings familiarly in my ears. I do not need to tell you of the economic significance of Malaya and Singapore with their trade, their rubber, copra, tin and other commodities and you will well understand that in my work I find the items of great interest. To be able to see something of these industries for myself, and to discuss the problems with those immediately concerned with them, is of obvious advantage to me in the discharge of the responsibilities of my position.

But above this, Singapore commands attention by its historical connections. On that very account it is fitting that this meeting should take place here. I venture to suggest that this will prove an historic occasion and it is well that it should take place in these surroundings. Moreover we may note that one of the decisive steps which led to the formation of the Indo-Pacific Fisheries Council at this time was a fisheries meeting held here in Singapore in January 1947. A recommendation was made at that meeting that a Council should be formed, well, here it is.

I said just now that I regarded this as likely to prove an historic occasion. I do so because of the importance which I attach to this meeting. As Your Excellency has said, this is a technical meeting to discuss technical questions; they are questions relating to that most crucial question with which the whole world is faced, namely, from whence are our supplies of food to come.

You will be undertaking your deliberations in the light of a world food situation which is, to say the least of it, alarming. This is particularly true here in the Indo-Pacific area in view of the fact that more than a billion people, comprising more than half of the population of the world, live in this area and depend almost exclusively on

rice for their livelihood. They have only one-fifth of the world's land surface on which to raise the food that they so badly need. Much of the land on which they work yields comparatively less food owing to soil erosion, soil exhaustion and lack of fertilisers. F.A.O., in co-operation with the newly formed International Rice Commission, is making every effort to solve some of these problems and to increase production, improve distribution, conservation and consumption methods, but the fact remains that at the present time rice production is still 2.9 million tons short of the pre-war average and, after four postwar years, many thousands of people in these deficit areas continue to receive even less than the meagre portions they ate in the years before the war. It is apparent that, even with the most strenuous efforts, it will not be possible to increase rice production to meet demand. If you gentlemen can devise means by which the riches of the seas and the inland waters of this area can be made to supplement to a great degree this meagre and inadequate rice diet; you will have contributed greatly to stabilising the standard of living of these unfortunate peoples.

The war against starvation and want is a total war. It cannot be fought on isolated and unrelated fronts. It must be fought in terms of the battle to increase production, to improve distribution to provide better means of conservation, and to raise nutritional standards. One of the most important fronts in this war is the battle to increase the yield from the sea and inland waters. Our world food problem is brought more forcibly to our attention when we realise that in the past ten years the population of the world has increased by 200 millions, the greater part of that increase coming in the Indo-Pacific area. We have been fortunate in recent years in having good harvests in many lands, but we cannot expect these good harvests to continue from year to year. A serious crop failure in any of the major food producing areas could have dangerous repercussions. We cannot expect people who are hungry and who see their families in peril of starvation to lead normal, peaceful, happy and productive lives. This rapidly increasing population is forcing us to seek for food in new fields. That, Gentlemen, will be your task.

Looking further, I am impressed by the international character of the problems which this Council will discuss and the need there is to ap-

proach them from a view point which, shall we say, is a-national.

Firstly, several nations own the shores of each of the many seas of this area, and the high seas belong to everyone. Secondly, whatever national boundaries there are in the laws of men, in the laws of nature there are none. Thirdly, the problems of the organisms and the elements of the waters themselves defy any human attempt to set boundaries; Malaya and Siam for instance must confront and solve problems which are often the same or very similar. All this means that these countries will inevitably use similar equipment and similar methods for solving their problems. To make their results comparable they must standardise their equipment and methods. This is the first way in which they can help one another—by exchanging views and information on the attack upon problems and the tools to be used. Then when these programmes begin to furnish results, these too should be speedily exchanged, and made available to one another; for in some cases the results will suggest lines of thought and experiment which may in turn yield profitable results.

I shall not attempt to point out to you who are experts in this field the various steps which could or should be taken. That is for you gentlemen to determine.

The immediate aim of the Indo-Pacific Fisheries Council is "the development and proper utilisation of the living aquatic resources of the Indo-Pacific areas through the encouragement and co-ordination of research and the application of improved methods." This, of course, is a very broad term and I should like to add a note of caution. It seems to me that in your deliberations it would be well to concentrate on those subjects which can show

quick results rather than on spending your time on research for research's sake. I am fully cognisant of the importance of research, but I feel that at this critical time it is most important that we all bend our energies to bring about an immediate alleviation of the present serious situation. I do not mean that we can expect miracles to happen overnight. We cannot. Nor can we solve all the manifold problems which are before us in even the next five or ten years. But I do suggest that you devote your attention to things which can be done and done now. For instance, we all realise that it would be highly desirable to have modern mechanised fishing fleets operating throughout this whole area but we also realise that it will be some time before this can happen. We cannot discard the fishing junk prematurely. We can, however, take steps to improve the sails, the fishing gear, the nets, etc.

F.A.O. will, of course extend all possible aid to the Council. We cannot build canneries but we can supply experts in canning. We cannot provide modern equipment but we can provide experts who will teach others how to use it. We cannot supply varieties of oysters for breeding purpose but we can use our good offices to persuade governments to exchange varieties and species and to exchange information concerning them. Of all the many fronts in this total war against starvation and want, the battle to wrest the secrets and resources from the sea appears to be the one which gives best promise of an early victory. It is my sincere hope that your discussions here and in the days to come will help to bring that victory about. I wish you all well in this tremendous task and pledge the full co-operation of the Food and Agriculture Organisation. I therefore have the honor to hereby declare the Inaugural session of the Indo-Pacific Fisheries Council open.

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**SECOND SESSION.** Commenced at 2.30 p.m. Dr. Bains Prasad in the Chair.

1. *Appointment of Committees of the Conference (Item 7).* It was agreed to appoint a single Committee of the Conference, consisting of the Chairman, Vice-Chairman and Secretary, and all the Delegates and that this Committee should be responsible for matters of steering and drafting and, in particular, for drafting the Council's Rules of Procedure.

The meeting was then resolved into a Committee of the whole for discussion of Items 8 and 9.

2. *Organization of the Council (Item 8).* The Chairman invited discussion of Working Paper IPFC/C49/4.

Dr. Thompson (Australia): said that his Government considered (a) that the unnecessary proliferation of committees should be avoided; (b) that as much work of the Council should be done by the Secretariat as possible; (c) meetings should be convened at times related to the U.N. schedule of meetings; (d) meetings should not be at fixed 12-monthly intervals. In general his Government



desired that flexibility and economy should be observed and the convenience of officers should be considered.

Dr. Amirthalingam (Ceylon): indicated himself as being in favour of few committees and flexibility.

The question of special meetings was discussed. Dr. Thompson (Australia) indicating a wish that such meetings should be kept at a minimum. Mr. Sette (U.S.) concurred in this view. Dr. de Jong (Netherlands) considered that the possibility of special meetings should be retained.

The Chairman then asked whether the principle of an Executive Committee, as described in the Working Paper, was acceptable. Approval was indicated.

The proposal for technical committees was discussed and much attention was paid to the propriety of including socio-economics within the Council's scope of interest. Dr. Flory (U.S.) asked for a more concise and clear definition of

functions proposed for the socio-economics committee; he questioned the appropriateness of the formation of such a committee. Dr. Thompson (Australia) and Dr. Amirthalingam (Ceylon) favoured the four committees proposed. After further discussion it was agreed that there should be two technical committees.

The section of Working Paper IPFC/C49/4 dealing with meetings was then discussed and approved.

It was then decided that the Rules of Procedure should be considered by the Steering and Drafting Committee in accordance with the afternoon's discussions.

Meetings adjourned at 4.30 p.m.

In the evening, at 6.30 p.m. the members attended a Reception given by the Honourable Norris E. Dodd, Director-General of the Food and Agriculture Organization of the United Nations.

## 25th March 1949.

**THIRD SESSION.** Commenced at 10.20 a.m. Dr. Baini Prasad in the Chair.

1. *Appointment of Technical Committees (Item 10).* The Chairman reported that at a meeting of the Steering Committee it had been decided to recommend the appointment of a chairman and a rapporteur for each of the two technical committees. The names of Dr. Panikkar as Chairman of the first committee with Mr. Schuster as its Rapporteur and of Dr. Amirthalingam as Chairman of the second committee with Mr. Martin as its Rapporteur, were proposed. Dr. Clyde (U.K.) moved, and Dr. de Jong (Netherlands) seconded, that the appointment of these officers be approved. Adopted.

2. *F.A.O. Journey's Fund (Item 11).* The Secretary presented the Working Paper IPFC/C49/6 and gave further explanation of the nature and history of the arrangement. Dr. Thompson (Australia) presented the view that the expenses of the Council's Secretariat should be fully provided for by the F.A.O. This view was supported by Dr. Amirthalingam (Ceylon), Dr. de Jong (Netherlands) and Mr. Martin (Philippines). Mr. Sette (U.S.) asked what would be the effect on the Secretariat's work of the termination of this arrange-

ment. An explanation of F.A.O.'s budgetary position was made by Dr. Kask. Dr. Clyde (U.K.) stated that whilst he supported the Australian view of a consolidated fund he felt that perhaps it would be desirable to continue the arrangement temporarily. He asked what was meant by the F.A.O. undertaking to provide the Secretariat. Dr. Panikkar (India) felt that work should be carried on and perhaps the fund continued but a distinction should be made between visits made at specific invitations of Governments and those made as F.A.O. work. Dr. Wu (China) felt that Governments should contribute. Mon. Lemasson (France) agreed in principle with the fund and felt that if necessary the sum of £150 should be increased. Dr. Flory (U.S.) asked for further information on the origin of the arrangement.

It was agreed to defer further discussion, and decision, until the Budget could be considered. Delegations were then invited to nominate additions to the Steering Committee.

Meeting adjourned at 11.25 a.m.

3. Meeting resumed at 12.15 p.m., and resolved into a Committee of the whole to discuss the Rules of Procedure (Agenda Item 9).

*Languages:* There was a discussion of the official language, or languages, of the Council, Mon. Lemasson (France) submitting that French should be made the official language with English and that this should be embodied in the Rules as a principle. Questions of time and cost were discussed and finally it was suggested that an arrangement might be reached whereby all papers in French would be translated into English and circulated as normal working papers and that it should be left to the discretion of the Secretariat to decide which papers in English should be translated into French.

*Rule I.* Dr. Flory (U.S.) requested a definition of "Secretariat" but after discussion it was decided to pass over the possible need for such a definition until later when the need for other such definitions might be found.

*Rule II, Para. 1.* It was agreed to change the words "in the month of . . . . . unless" to "in the first quarter of the year unless".

Meeting adjourned at 12.50 p.m.

**FOURTH SESSION.** Commenced at 2.30 p.m. Dr. Baini Prashad in the Chair.

*Rules of Procedure (Item 9).* Resumed in discussion as a Committee of the whole.

*Rule II, Para. 2.* There was discussion of the purpose of convening special meetings. It was agreed to change the words "at least one-third of" to "the majority of" in the second line.

*Para. 3.* It was agreed to change "forty" to "sixty" in the second line and "twenty" to "thirty" in the sixth line.

*Para. 4.* Adopted.

*Rule III, Para. 1.* Agreed to delete the words "others participating" and to insert after "bodies" the words "invited to attend such sessions".

*Para. 2.* Adopted.

*Rule IV, Para. 1.* After discussion of whether a time limit for submission of items for the agenda should be set it was decided not to introduce such a change and the paragraph was adopted.

*Para. 2.* Adopted with substitution of "agreement" for "constitution" and deletion of the words "if any" from Part c.

*Para. 3.* Adopted with the change of "forty" to "Sixty".

*Para. 4.* Adopted with insertion of "provisional" before the word "agenda" at end of second and last lines.

Dr. de Jong (Netherlands) reiterated the hope that invitations to Governments or Organizations not members of the Council would be the exception rather than the rule.

#### *Rule V. Secretariat.*

After some discussion, during which Dr. Kesteven's activities, both in the role of Regional Officer of F.A.O. (Fisheries) and that of Secretary of the I.P.F.C., were outlined, it was agreed that V(1) and V(2) should be amalgamated to read:-

"The secretary shall provide such secretarial services to the Council and its Committees as the Executive Committee or the Council may from time to time direct and as the facilities of his office permit; and in addition it shall be the duty of the Secretary to receive, collate and circulate documents, reports and resolutions of the meetings of the Council and its Committees; to prepare the records of their proceedings, and to certify expenditures and financial commitments."

*Para. 3.* After some discussion it was agreed that V(3) should read "Copies of correspondence concerning the affairs of the Council shall, where appropriate, be sent to the Secretary for information and record". This paragraph V(3) is now numbered V(2).

At 4.30 the chairman closed the meeting in order that the Technical Committee might go into session and arrangements might be made for the next day.

In the evening members attended the first session of the symposium and heard and discussed the paper "A Survey of the Pelagic Fisheries of the World" by H. S. Rao and N. K. Panikkar, which was read by Dr. Panikkar (IPFC/C49/SYM. 1).

26th March, 1949.

**FIFTH SESSION.** Commenced at 10.00 a.m. Dr. Bains Prashad in the Chair.

1. Cdr. Krauss read his paper (IPFC/C49/CONTR. 6) entitled "Oceanography in the Indonesian Archipelago". The paper was followed by some discussion.

2. Mr. Warfel read the paper "Notes on the Oceanography of the Sulu Sea" by H. W. Grahame. This was illustrated by lantern slides.

In the discussion which followed Dr. Kask requested information on stations outside the Sulu Sea; Dr. Hardenberg asked for information on distribution of fish; Dr. Thompson expressed appreciation of the paper: he said he was interested in the stability of the system described, he regarded such conditions as having considerable bearing on the distribution of fish.

Meeting adjourned at 12.15.

**SPECIAL SESSION.** Commenced at 2.00 p.m. Dr. Bains Prashad in the Chair.

*Rules of Procedure (Item 9).* Resumed in discussion as a Committee of the Whole.

*Rule VI.* Adopted after inclusion of the words "members of F.A.O. but not members of the Council" after the word Governments in the third line.

*Rule VII.* Mr. Sette (U.S.) proposed that the last sentence of the second paragraph be replaced by the words "after 1952 they shall not be eligible for re-election". The proposal was withdrawn after discussion. Paragraph 1 was adopted with the inclusion of the words "alternate delegate" after the word "Council" in the 4th line. Paragraph 2 was altered to provide for office to extend from beginning to beginning instead of from end to end of the meetings, and thus read: "The Chairman and Vice-Chairman shall hold office from the beginning of the regular session in which they are elected, until the time of election of the Chairman and Vice-chairman at the beginning of the next regular session. They shall be eligible for re-election."

*Rule VII, Para. 1.* Adopted with the addition of the following to the first line "In addition to exercising the powers conferred on him elsewhere in these Rules the Chairman shall . . . . .".

*Para. 2.* Adopted.

*Para. 3.* Adopted with change of "an" to "the" in the second line and deletion of "on the Council" from the third line.

*Para. 4.* Adopted.

*Rule IX.* Adopted without alteration although there was some discussion of the last sentence of para. 7.

*Rule X, Para. 1.* Dr. Flory (U.S.) proposed deletion of the words "and the Secretary" from the second line. After discussion, during which F.A.O.'s position was described by Dr. Kask and the problem of providing an adequate executive committee was examined, the U.S. proposal was withdrawn and the paragraph adopted unaltered.

*Para. 2.* Mr. Sette (U.S.) proposed the deletion of the original paragraph and its replacement by the following, which was agreed to:

"2. There shall be two Technical Committees, (1) Hydrology and Biology, and (2) Technology, and each member of the Council shall be entitled to membership thereof. The terms of reference of these Technical Committees shall be determined by the Council.

(a) At each regular meeting the Chairman shall poll the delegations to determine if they desire membership on the Technical Committees. Each member of the Council, through its delegate, shall indicate the person or persons it desires to serve on such Committees.

(b) The Technical Committees shall select a Chairman and a Secretary from among their members, who shall serve until the next regular session of the Council.

(c) The Technical Committees shall report to the Council through the Executive Committee at each regular or special session.

(d) The Technical Committees may establish from time to time, such interim sub-Committees as may be necessary effectively to comply with the terms of reference of the Committees, or to perform any special functions in pursuance thereof."

*Paras. 3 and 4.* Agreed to delete.

*Rule XI, paras. 1, 3, 4, and 5.* Adopted. Agreed to delete Para. 2.

*Para. 6.* It was agreed to adopt this in the following form: "Where two or more members of the Council decide to undertake and finance co-operative or joint projects in accordance with Article VI, paragraph 4, of the Agreement, they may, if they wish, transmit through the Council a request to the Organization that it undertake the financial administrative services necessary to such an undertaking."

*Rule XII.* Mr. Sette (U.S.) proposed the inclusion of a new paragraph, as follows, with alteration in the numbering of present paragraph. This was agreed.

"1. Invitations to the sessions of the Council shall be sent to those public international organizations having relationship with the Organization which provide for reciprocal representations and to those international non-governmental organizations entitled by their agreements with Organization to participate as observers."

*Para. 2.* For the words "and of participating" put the words "but not members of F.A.O. and of invited"; adopted with this alteration.

*Rule XIII, Para. 1.* Adopted.

*Para. 2.* Adopted with deletion of the words "delegate of" from the fourth line.

*Para 3.* Adopted with deletion of the words "in such manner" from the fourth line.

*Rule XIV, Para. 1.* Adopted with deletion of the second sentence.

*Para 2.* Adopted in the following form:-

"The Secretary shall receive on behalf of the Committee the replies of the Members in respect of such recommendations by the Council and shall prepare a summary and an analysis of such communications for presentation at a session."

*Rule XV.* Adopted after deletion of the words "of the Council" from the 2nd, 4th, 7th and 11th lines.

*Rule XVI.* Adopted.

The meeting adjourned at 5 p.m.

## 28th March, 1949.

**SIXTH SESSION.** Commenced at 10.20 a.m. Dr. Baini Prashad in the Chair.

1. The Chairman, on behalf of the meeting, expressed a hearty welcome to the Korean delegates and said that any contributions made by them would be very welcome. He also said how very glad the assembly was that Mr. Herrington had found it possible to attend.

2. Dr. Panikkar (Chairman of Technical Committee No. 1) read out the programme compiled by the Committee at their meeting of that morning. Various suggestions re-wording, etc. were put forward and amendments made.

3. Mr. Lin (Hong Kong) then spoke on "Notes on Fish Fry Industry of China" (IPFC/C49/CONTR.1) and "Fish Culture in Ponds in the New Territories of Hong Kong" (IPFC/C49/CONTR.10) and illustrated his talk with lantern slides. A long discussion then ensued and various questions on the subject were addressed to Mr. Lin.

4. Abstracts of papers "Bangos Cultivation and its Relation with algae culture in the Philip-

pine" (IPFC/C49/CONTR.4) and "The Culture of Lab-Lab, the natural food of the milkfish fry and fingerlings under Cultivation" (IPFC/C49/CONTR.5) were read by Mr. Martin (Manila) and various points brought up and discussed.

5. Mr. Schuster (Netherlands) read his paper "On the Food of the Bandeng (*Chanos chanos* Forsk.) in Indonesian Ponds". (IPFC/C49/CONTR.7). Various questions were then put to Mr. Schuster concerning the paper and general discussion followed.

Mr. Warfel said he thought this paper was a very fine piece of work and served as a good basis for future work. The Chairman concurred in this and said he hoped that similar work would be undertaken. He said he hoped that in this committee definite arrangements could be made as to the lines of work to be adopted.

The Chairman then said that the two Technical Committees would meet at 9 o'clock on the following morning. He said that he hoped that the various delegations would elect members to serve on these

committees before the Council met again in full session.

The Meeting adjourned at 12.15 p.m.

In the afternoon members attended an excursion to Kelongs near Singapore.

In the evening at 6.30 p.m. members attended a Reception given by Mr. J. A. Thivy, representative of the Government of India, Singapore and at 9.00 p.m. attended the second symposium session to hear and discuss a paper by Mr. O. E. Sette entitled "Methods of Biological Research on Pelagic Fish Resources" (IPFC/C49/SYM.2).

## 29th March, 1949.

**SEVENTH SESSION.** Commenced at 10.00 a.m. Dr. Baini Prashad in the Chair.

1. *Proposal from ICZN.* The Working Paper IPFC/C49/3 was preferred to. It was moved by Dr. Thompson (Australia) and seconded by Dr. Amirthalangam (Ceylon) that the ICZN be thanked for its suggestion and be informed that the Indo-Pacific Fisheries Council has at present no funds to make available for the proposed purpose and that Technical Committee I be directed to discuss with the ICZN the ways in which work on the problem of standardization, which the Indo-Pacific Fisheries Council regards as urgent, might be initiated.

2. *Report on the Seventh Pacific Science Congress.* The Working Paper IPFC/C49/7 was received and adopted with thanks to Mr. Tweedie for his work in this matter.

3. *Report of Taxonomy Committee.* The Working Paper IPFC/C49/13 was received. The Taxonomy Committee and the others who assisted in the preparation of the report were thanked for their work and the report was handed to Technical Committee I for consideration.

4. *Proposal for Panel of Experts.* The Working Paper IPFC/C49/9 was received. Dr. Thompson (Australia) suggested that the list should be brought up-to-date. Dr. Wolsky (UNESCO) suggested that there should be an addition of experts in physiology and other such subjects. The proposal for a panel of experts was approved in principle.

5. *Survey of Institutions, etc.* The Working Papers IPFC/C49/12 and IPFC/C49/15 were received. The project was approved and the Council requested its continuation and completion.

6. Mr. Herrington gave a talk on "Some Aspects of Japanese Fisheries Work" which was followed by a brief discussion.

7. Dr. Thompson presented his paper entitled "The organisation and utilisation of plankton investigations" (IPFC/C49/CONTR.11).

8. Mr. Durand read his paper on "*Rastrelliger kanagurta* (Ruppel)—Its Fishery and Biology—Summary of our Knowledge—Study Programmes" (IPFC/C49/CONTR.13).

9. Dr. Hardenberg tabled the paper by Dr. J. Zanfield entitled "The Economic Marine Algae of Malaysia".

10. *Proposals for work during ensuing year.* Dr. Panikkar (India) tabled the following proposal from Technical Committee I on the lines along which the Committee might work:

(i) The basic structure of the Council's biological and hydrological programme must be related to national projects of research and development for which the Council would propose measures of co-ordination and integration aimed at ensuring that the projects are complementary to one another and yield a maximum amount of information of common value, from the existing resources of personnel and equipment.

(ii) The Council will need to apprise itself fully of the nature and scope of the national programmes and of the resources available for carrying them out.

(iii) The Council should formulate and recommend programmes of common interest and recommend assignment of priorities. The machinery by which the Council might operate could be as follows:-

(a) Recognition of the interest in and recommendation of allotment of responsibility for geographic and subject units.

(b) Exchange of information on—

1. Methods and equipment,
2. Results,
3. Conclusions.

- (c) Formulation and recommendation of standards for research methods, equipment and scientific terminology.

There then followed some discussion on the establishment of the Committees and the manner in which they would work. Dr. Thompson (Australia) stated that his Government was strongly opposed to the setting up of Committees without a reasonable offer of prior advice on their proposed functions and programmes. Mr. Sette (U.S.) suggested the establishment of the Committees in accordance with Section X of the Rules and that the Committees thus appointed should be given firm terms of reference. As a basis for discussion he suggested that the Committee on Hydrology and Biology should concern itself with matters relating to utilizing aquatic resources, the biology and bioeconomics of aquatic organisms and the dynamics of their populations and that the Committee on technology should concern itself with the capture, preservation, processing, distribution, marketing and utilization of fish and fishery products. After some discussion it was agreed that Mr. Sette's proposal should be adopted and that after re-drafting, some terms of reference should be handed to the two Technical Committees for their consideration and subsequent submission to the full Council for adoption. It was also agreed that the two Committees already appointed should continue to function until Thursday when it was proposed that the Rules having been formally adopted, formal appointment of the Committees and of their office bearers could be carried through.

The meeting adjourned at 12.30.

**EIGHTH SESSION.** Mr. W. B. Braxton read a paper on "The problem of Fish Storage and Refrigeration in South East Asia" (IPFC/C49/CONTR.14).

2. "Preliminary Report on studies of Salted fish paste", by Mr. J. I. Sulit and Mr. S. B. Santiago (IPFC/C49/CONTR.16) was tabled.

3. Mr. Martin read the paper on "Notes on the experimental canning of fish at the fish preservation station, Estancia, Philippines" (IPFC/C49/CONT. 17).

4. The paper by Mr. Boon Indrambarya entitled "Notes on the effect of explosives on fish in Siamese coastal waters" (IPFC/C49/CONTR.8) was read.

5. *Report on Technical Committee II.* Dr. Amirthalingam presented Work Paper No. IPFC/C49/21) which was discussed generally without any conclusion being reached.

6. Mr. Butler read his paper on the Vitamin A content of Fish Oils.

Meeting adjourned at 4.30 p.m.

In the evening at 6.45 p.m. Delegates attended a Reception given by Sir Franklin Gimson, Governor of Singapore.

### 30th March, 1949.

**NINTH SESSION.** Commenced at 10.00 a.m. Dr. Baini Prashad in the Chair.

1. A proposal to make a conference levy of \$5 per head was made by the Secretary and agreed to by the Meeting.

2. The Secretary explained the history of the preparation of the handbook "Malayan Fisheries", explaining the origin of the funds for its publication. He stated that he would be grateful for assistance in effecting as wide a sale as possible.

3. Mr. Cater read a paper entitled "An outline of the Preliminary Survey of the Socio-economics of the Fishing Industry of Hong Kong".

In the discussion Dr. Prashad (India) enquired whether there was any evidence on the condition of the stocks as a result of the reduction of fishing

since the Japanese left the area and he also asked about rehabilitation of the industry following the destruction of gear and boats by the war. Mr. Cater replied that little was known about the stocks and described steps taken by the Hong Kong Government to rehabilitate the fishermen. Dr. Amirthalingam referred to the effect upon the industry of mechanization of the fleet.

4. Mr. J. A. Tubb gave a short talk on Socio-economics.

Meeting adjourned at 10.50 a.m. to allow Technical Committees to continue discussion of terms of reference and programmes.

**TENTH SESSION.** Commenced at 2.10 p.m. Dr. Baini Prashad in the Chair.

1. *Terms of reference of Technical Committees.* The draft of terms of reference, circulated in Working Paper IPFC/C49/18, was discussed. Dr. Amirthalingam suggested that, under (b) Committee on Technology, the words "statistics, (4)" should be added after "(5)" (4) should then become (5). Mr. Sette (U.S.) moved the adoption of the terms with the amendment proposed by Dr. Amirthalingam. Seconded by Dr. Amirthalingam (Ceylon). Carried.

2. *Budget and F.A.O. Journey's Fund.* The Secretary read a statement from Washington reporting the sums of money provided by F.A.O. for the I.P.F.C. for 1949. There were—

Travel expenses	-	\$2,000
Publications	-	\$2,000
Stationary, etc.	-	\$ 500
		<hr/>
		\$4,500.

There was discussion on the possibility of transferring sums as between these items and it was presumed that this could be done. Dr. Flory (U.S.) suggested that a formal budget should be prepared setting out the justification for the sums shown. This would enable the Director-General to make a more effective case in submitting these items in the general F.A.O. budget. After some discussion of the difficulty of preparing estimates, it was agreed that a formal budget document would be prepared.

3. *Publications.* The question of printing costs was discussed and Mr. Sette (U.S.) moved and Dr. Hardenberg (Netherlands) seconded "that the Secretary be directed to canvass various publishing houses in the area to ascertain where the Council's publications might be most advantageously published." It was agreed that the Council's basic publication should be the Report of its proceedings and that occasional papers should be prepared and distributed in mimeograph form.

Mr. Tweedie (U.K.) moved and Mr. Sette (U.S.) seconded "that the Council took note of the importance of the book "De Indische Zeevisschen en Zeevisscherij," by Drs. Delman and Hardenberg in any study of the fisheries of South East Asia and welcomed the statement by the U.K. Delegate that H.M. Government contemplated the production of an English translation." Carried.

4. Mr. Lemasson presented his paper, "General review of the Fish and Fish Culture in the Con-

tinental waters of Indo-China and the projected programme of work".

5. *Rules of Procedure (Agenda Item 9)* (Working papers IPFC/C49/2 revised, and IPFC/C49/19: Report of Secretary on drafting of rules).

*Section I.* Mr. Sette (U.S.) moved, and Dr. Amirthalingam (Ceylon) seconded, the adoption of this Section. Carried.

*Section II.* Mr. Martin (Philippines) moved, and Dr. Amirthalingam (Ceylon) seconded, the adoption of this Section. Carried.

*Section III.* Dr. Panikkar (India) moved, Mr. Sette (U.S.) seconded, that this section be adopted with deletion of the words "at each meeting" from the end of the last line. Carried.

*Section IV.* Mr. Sette (U.S.) moved, and Mr. Lemasson (France) seconded, the adoption of this Section. Carried. There was discussion of the word "available" in para. 3.

*Section V.* Dr. Amirthalingam (Ceylon) moved, and Mr. Sette (U.S.) seconded, that this section be adopted. Carried.

*Section VI.* Mr. Sette (U.S.) moved, and Mr. Martin (Philippines) seconded, that this Section be adopted. Carried.

*Section VII.* Dr. de Jong (Netherlands) moved, and Mr. Martin (Philippines) seconded, that this section be adopted. Carried.

*Section VIII.* Mr. Sette (U.S.) moved, and Dr. Panikkar (India) seconded, that this section be adopted. Carried.

*Section IX.* Mr. Martin (Philippines) moved, and Mr. Sette (U.S.) seconded, that this section be adopted. Carried.

*Section X.* Dr. Deason (U.S.) moved that the second sentence of para. 2 be deleted and that the terms of reference, adopted during Session Nine, be incorporated in Section X, perhaps as paragraph 3. Dr. Clyde (U.K.) said that he would like to know more about the reason for the proposal for he failed to see its object. Dr. Deason replied that it was a matter of having all the Council's machinery in one place. Dr. Clyde considered that adequate provision was made in the Council's Rules for determining and adjusting the terms of reference of the committees. Dr. Deason then said he would like to withdraw his motion and suggest an alternative to the effect "delete the period after Council

and add the words 'and attached as an appendix to the Rules' ". Dr. Clyde agreed to the point that it was desirable that whenever the rules are read the Committee's terms of reference should be read with them. It was then suggested that the period at the end of the second sentence should be replaced by a comma to be followed by the words "and shall always be published along with these Rules."

Moved by Mr. Sette (U.S.) and seconded by Dr. Clyde (U.K.) that with the last proposed amendment para. 2 of this section be adopted.

Dr. Thompson (Australia) moved that the words "and the Secretary" be deleted from the second line and replaced by the words "one other member", and added that of course the Secretary should attend ex-officio.

Dr. Kask (F.A.O.) stated that the Director-General wished to make someone in a policy-making position directly responsible to himself in the matter of expenditure of funds.

Dr. Flory (U.S.) joined issue with Dr. Kask on the propriety of this view. He considered it inappropriate that a person who was not in a

command position in the Council should a position in the Executive Committee. (U.K.) suggested that the difficulty lay the fact that the Executive Committee under Section X(1)b which were too thought that possibly the Australian would be met by the modification of paragraph. Dr. Flory pointed out any case the Secretary exercised a supervisory funds under another section so that principle requirement was thus met.

Meeting adjourned at 4.45 p.m.

At 5.55 the members attended a the F.A.O. film "Battle for Bread".

At 8.30 they attended the third Symposium at which Dr. J. D. F. presented a paper on "The Development of Fisheries" and Mr. H. W. Warfel read "Notes on the Pelagic Fisheries of the World with particular reference to Tunas" Warfel and C. B. Wade.

### 31st March 1949.

**ELEVENTH SESSION.** Commenced at 10.15 a.m. Dr. Baini Prashad in the Chair.

1. *Rules of Procedure (resumed). Section X, para. 1.*

Dr. Thompson (Australia) moved, and Dr. Amirthalingam seconded, that the words "and the Secretary" be deleted from the second line of para. 1 of Section X and "and" after "Chairman" be inserted in the first line, deleting the comma which follows the word "Chairman": that the first line of para. 2 of Section V be altered to read "The Secretary or his representative shall attend all meetings of the Council and its Executive Committee and his duties shall include....."

Dr. Clyde (U.K.) sought permission to move an amendment as follows:

"Amend Section X (1) (b) by substituting a comma" for the period after "meetings" and adding: "except that issues of policy, unless previously decided by the Council, shall be formulated by the executive Committee as a motion and referred to the Member Governments. Upon

receipt by the Secretary of affirmation from a majority of the Members of the Council the motion shall be considered adopted."

The Chairman ruled that the substance of Dr. Clyde's proposal was so very different from the Australian motion as to constitute a new motion. Dr. Clyde then obtained permission to explain his position. He said that he had sympathy with the Australian view but his own suggestion was a better solution to the problem which, as he had said previously, was a question of the measure of policy which might be undertaken by the Executive Committee. Dr. Panikkar (India) demurred that the motion would result from procedures proposed by the U.K. Dr. Thompson supported this view; he went on to say that if Members of the Council might be satisfied with the present Secretary, there was no guarantee that he might not be replaced by a less competent person. Dr. Clyde considered these arguments strong. After some further discussion Mr. Sette (U.S.) asked the Chairman if he would not revise his decision in respect of the request to submit a motion for amendment.



Australian motion, which the Chairman declined to do, and Dr. Thompson referred to the control over finance held by the Secretary under Section V (2), Mr. Sette made a statement that although the U.S. Delegation had itself raised this question previously it now, in view of Dr. Kask's statement and of the U.K. proposal, found itself unable to support the Australian motion.

The motion was then put: For 3 against 5. Dr. Clyde (U.K.) then moved his motion (given above), and Mr. Sette (U.S.) seconded.

The motion was put to the vote: For 5 against 1. Australia, Ceylon and India refrained from voting.

*Section XI.* Dr. Amirthalingam (Ceylon) moved, and Mr. Sette (U.S.) seconded, that this section be adopted. Carried.

*Section XII.* Mr. Martin (Philippines) said: "The desirability is recognised of making provision in the rules of procedure that would make it possible in certain very exceptional cases to invite non-members Government who are not members of the Food and Agriculture Organization to attend meetings of the Council, provided that there is assurance that the extending of such an invitation expressed the will of a substantial majority of the Member Governments. Therefore it is moved that Section XII of the Rules of Procedure be amended by inserting a new paragraph as follows: "3. On an affirmative vote of three fourths of all of the Members Governments, invitations to be represented by Observers shall be sent to non-member Governments which are not members of the Organisation." It is further moved that present paragraph 3 of Section XII be re-numbered as paragraph 4."

The motion was seconded by Mr. Sette (U.S.) Mr. Whang (Korea) expressed his gratitude for the motion since, although the Agreement provided means whereby his Government might become a member of the IPFC, the steps towards that end might well be delayed. The insertion of the proposed addition to the Rules would permit his Government to be invited. Dr. de Jong (Netherlands) said that he had no objection provided notice was given early enough. The motion was carried.

Mr. Martin (Philippines) moved, and Dr. Amirthalingam seconded, that Section XII, as amended in accordance with previous resolution, be adopted. Carried.

*Section XIII.* Mr. Sette (U.S.) moved and Mr. Martin (Philippines) seconded, that this section be adopted. Carried.

*Section XIV.* Dr. Panikkar (India) moved and Dr. Thompson (Australia) seconded, that this section be adopted. Carried.

*Section XV.* Mr. Sette (U.S.) moved, and Dr. Clyde (U.K.) seconded that the second version of paragraph 2 be adopted. Carried. Dr. de Jong (Netherlands) moved, and Dr. Amirthalingam (Ceylon) seconded, that Section XV as amended be adopted. Carried.

*Section XVI.* Dr. Thompson (Australia) proposed that the figure "24" be replaced by "48" in line 6 of para. 1; Mr. Martin (Philippines) moved, and Mr. Sette (U.S.) seconded, that Section XVI as amended be adopted. Carried.

*Section on "Official Languages".* Mr. Lemasson (France) moved, and Mr. Sette (U.S.) seconded, that the new section submitted in connection with official languages be adopted as Section XVII. Carried.

Dr. Amirthalingam (Ceylon) moved and Dr. de Jong (Netherlands) seconded, that the Rules of Procedure as considered, amended and adopted in these Sessions be adopted as the Rules of the Council. Carried.

Mr. Sette (U.S.) moved the adoption of the Secretary's report on drafting the Rules of Procedure (Working Paper IPFC/C49/19). Dr. de Jong seconded. Carried.

2. *Budget.* A statement on Budget was submitted by the executive Committee. This was discussed and it was directed that (a) the sums shown should add to the total figure required, (b) that the preamble should be amended to indicate that the Council expected its activities to expand and require greater funds. Dr. Clyde (U.K.) moved that with these amendments, the Budget statement be approved. Mr. Martin (Philippines) seconded. Carried. (The statement is given as Appendix 3)

3. *F.A.O. Journey's Fund.* Dr. Thompson (Australia) moved: "the Council expresses its appreciation and thanks to the United Kingdom for the services it has made available in connection with the F.A.O. Journey's Fund, but considers that at the earliest possible moment steps should be taken to provide fully for the Council's secretarial services out of a single consolidated fund."

Dr. de Jong (Netherlands) seconded. Further discussion and decision were deferred because the U.S. Delegation announced its wish to submit an alternative motion.

4. *Place of next regular meeting:* Dr. Thompson (Australia) said he thought it was doubtful

the most appropriate locale for the next regular meeting, and moved that decision be left to the Executive Committee. Dr. Panikkar (India) seconded. Carried.

5. *Credentials.* The Secretary read his report (Appendix 4). Dr. Panikkar (India) moved and Mr. Martin (Philippines) seconded the adoption of the Secretary's report. Carried.

6. *Election of Chairman.* Dr. Clyde, nominated Dr. Prashad and requested that the remarks which he made at the first session when nominating Dr. Prashad at that time, be taken as read again at this juncture (see p. 4.). Dr. Amirthalingam, seconded. Mr. Sette (U.S.) moved that nominations be closed. Dr. de Jong (Netherlands) seconded. Carried.

7. *Nomination of Vice-Chairman.* Mr. Sette (U.S.) nominated Dr. Hardenberg and wished his earlier remarks to be read here (see p. 4.). Dr. Amirthalingam (Ceylon) seconded. Dr. Thompson (Australia) moved that nominations be closed, Dr. Panikkar (India) seconded. Carried.

Meeting adjourned at 12.15 p.m.

**TWELFTH SESSION.** Commenced at 2 p.m. Dr. Baini Prashad in the Chair.

1. *Technical Committees.* The Secretary presented the list of names of persons nominated by the Delegations and who thus, in accordance with Section X (2) a, constituted the Technical Committees, further names were added to the circulated list and the final list was as given in the front of this report.

The members of the Committees present then withdrew to elect officers and returned to announce the following results:

Committee I—Chairman: Dr. Panikkar  
Rapporteur: Mr. Schuster

Committee II—Chairman: Dr. Amirthalingam  
Rapporteur: Mr. Martin.

On the question of the activities of the Technical Committees; Dr. Panikkar on behalf of Technical Committee I presented the Committee's report, IPFC/C49/20.

Mr. Sette (U.S.) said that part I of this paper was a proposal of the matters of which the Committees should take cognizance in their work, whilst parts II and III were definite proposals for action. He moved, and Mr. Martin (Philippines) seconded, that "the Committees, and their sub-committees on parti-

guided by the following:—

1. The basic structure of the Geological and hydrological program be related to national projects and development for which it would propose measures of co-ordination aimed at ensuring that, as far as possible, the projects are complementary and yield a maximum of information of common value from existing resources of personnel and equipment.
2. Each Committee will need to be made itself fully of the nature and scope of national programmes and of the resources available for carrying them out.
3. Each Committee, as a working group, should formulate and state the systems referred to it and recommend priorities in the work programme, taking into consideration the most appropriate:—

(a) Recognition of the extent of Member Nations in geological and biological subject units.

(b) Exchange of information  
1. Methods and equipment  
2. Results  
3. Conclusions.

(c) Adoption of standard terminology, equipment and terminology.

Dr. Thompson (Australia) then moved, and Dr. de Jong (Netherlands) seconded, the objective of securing information relating to the development of high seas fisheries and recognizing that co-ordinated effort was desirable to this end, the council request the committee on Hydrology and Biology to study the opportunities for collaboration by the Council in the study of the tuna fishery and to report and make recommendations to the Council at its next regular session.

Dr. Hardenberg (Netherlands) moved, and Dr. Panikkar (India) seconded, that: "With a view to increasing the output of fisheries of the commercially important Clupeid and Scombroids (other than tuna) and the Council requests the Committee on Hydrology and Biology to explore the possibilities of co-ordinated research, including a sur-

resources and the means of judicious exploitation, and to report to the Council with specific recommendations, if any, at its next regular session." Carried.

Dr. Panikkar (India) moved, and Mon. Lemasson (France) seconded, that: "With the objective of securing scientific information useful to the development of fish culture in fresh and salt water, the Council requests the Committee on Hydrology and Biology to explore the opportunities for collaboration by members of the Council and to report and make recommendations thereon to the Council at its next regular session." Carried.

Dr. Amirthalingam (Ceylon) presented work Paper IPFC/C49/21 on behalf of Technical Committee II. The Committee had wished him to suggest to the Council that its programme should be as set out in this paper. He therefore moved that the House resolve that Technical Committee II be requested to make a survey of the local gear and boats with descriptive details so that they may be of benefit to other members of IPFC. This motion lapsed and in its place Mr. Sette (U.S.) moved: "with the objective of securing information useful in further the development and proper utilisation of the fisheries, the Council requests the Committee on Technology to investigate the extent to which surveys can be made by Member Government of the Council recording the local boats and gear with descriptive details." Mr. Sette explained that his Delegation felt that there was difficulty in the implication that the Committee should carry out a survey. Not only would the Committee find this difficult but so would the countries themselves.

Dr. Amirthalingam (Ceylon) seconded the U.S. motion which was put and carried.

Dr. Amirthalingam then suggested the adoption of a similar motion in respect of Parts (2) and (3) of Section I of para. 5 of IPFC/C49/21. There was much discussion of this and finally, with general agreement a motion was drafted by Dr. Clyde to incorporate these parts with the U.S. motion. Dr. Clyde (U.S.) moved, and Dr. Amirthalingam seconded, that: "With the objective of obtaining information useful in forwarding the development and proper utilisation of the fisheries in the Indo-Pacific Area, the Council requests the Committee on Technology to investigate the extent to which surveys of local boats and gear, with descriptive details, have been made and recommends to Member Governments that further surveys of this sort be made. The Council further requests the Committee of Technology to prepare a report on this subject for presentation to the Council at its next Meeting. The Council also requests the Committee on Technology to investigate the extent to which non-indigenous gear is employed and the possibilities of its further

useful employment in the Indo-Pacific areas and to seek from Member Governments such information as is now available on non-indigenous gear and other methods and on net efficiency and preservation, and prepare a report on this subject for presentation to the Council at its next regular session." Carried.

Dr. Amirthalingam (Ceylon) moved, Mr. Sette (U.S.) seconded, that "with the objective of securing information useful in forwarding the development and proper utilization of the fisheries of this area, the Council requests the Committee on Technology to investigate the extent to which surveys have been made of processing industries and to seek from them reports on the canning, packaging and refrigeration of fish in their countries and on the by-products from these industries." Carried. (*This covers Section II of para 3 of IPFC/C49/21*).

It was agreed that Section III of para. 3 of IPFC/C49/21 should be regarded as a suggestion for an agenda item for the next regular meeting. It was moved by Mr. Sette (U.S.) and seconded by Mr. Martin (Philippines), that "Section III of para. 3 of IPFC/C49/21 be placed on the agenda of the next regular meeting." Carried.

In discussion of para. 4 of IPFC/C49/21 reference was made to the status of the proposed panel. It was finally agreed that the present suggestion be withdrawn until the Committees had examined and reported more fully on the proposal for the panel, which was approved in principle during the Seventh Session, Item 4.

2. *F.A.O. Journeys Fund.* The motion submitted by Dr. Thompson (Australia) and seconded by Dr. de Jong (Netherlands) (see above p. 16), was put and carried.

3. *Items for the Agenda.* The only referred item is that in connection with para. 4 of IPFC/C49/21.

4. *Recommendations to Member Governments.* Attention was drawn by the Chairman to the motion adopted during the Tenth Session (item 3) in connection with the translation of the book by Drs. Delsman and Hardenberg (see p. 14).

5. *Votes of Thanks.* Mr. Sette (U.S.) moved, Dr. Amirthalingam (Ceylon) seconded, that "The IPFC expresses its gratitude to the Government of the U.K. through the Commissioner-General for the U.K. in S.E. Asia and the Government of Singapore for inviting the Council to hold its first meeting in Singapore and for the continuing courtesies and assistance which the Commissioner-General and his staff have accorded the Council. The Council also expresses its gratitude to the principal and staff of the King Edward VII College of Medicine for providing facilities for its sessions," and that these

expressions "be suitably inscribed and transmitted by the Secretary to appropriate individuals" and that "the Indo-Pacific Fisheries Council commends its Secretary for his keen foresight in anticipating the needs of the Council and his untiring efforts in developing the preparatory work for its first meeting. The Council considers that the Secretary's initiative and energy have made substantial contributions towards the success of the Council to date. The Council further commends him and his staff for the competent manner in which they have arranged and provided services for this Meeting" and that "the Secretary is instructed to transmit a copy of his Resolution to the Director-General." Carried.

The Chairman said he wished to offer his personal appreciation not only of assistance from delegates but also from the staff and was sure that "if we carry on in this way our work of the next session will be so much smoother and give very pleasant results. I would particularly like to express my personal appreciation to Dr. Deason and Dr. Flory for their efforts and the labour that they have expended in helping us in the task of drafting our Rules of Procedure and all the other work required in guiding us along the right lines."

Dr. Clyde on behalf of the U.K. Government, regarding the first part of the Resolution moved by Mr. Sette, "I would like to say what a pleasure it has been to act as first host to the Meeting of the Council and to assure you that the U.K. Government

will do everything it can to help make the Council a success."

6. *Film.* Dr. Thompson (Australia) three reels of film on laboratory technique in Hydrology.

7. *Closure.* The Chairman declaring the Meeting closed at 4.15 p.m.

The Chairman entertained the representatives and secretariat at afternoon tea.

In the evening at 6.30 p.m., members attended a Reception given by the Honourable MacDonal, Commissioner-General for the South East Asia, at Bukit Serene.

*Technical Committee Meetings.* In the Council Sessions reported in this record, Committees I and II (provisionally constituted for the Twelfth Session) met on various occasions: notably at 9 a.m. on Saturday March 27th, 9.00 a.m. on Monday March 28th (Committee I), 9.00 a.m., on Tuesday, March 29th (Committee II) and again at 11.30 a.m. on Wednesday March 30th and at 2.30 p.m. on Thursday, March 31st (both).

### Appendix 3.

#### BUDGET

The Executive Committee has considered the question of expenses of the Council, as provided for by Article VI of the Agreement, and has taken cognizance of the information received from the Head Office of the Organization. It finds some difficulty in submitting a Budget at this stage and considers that even if the sums now available should prove adequate for 1950, it is certain that the Council's activities will expand in subsequent years and require larger funds.

*Travel Expenses:* On the basis of holding two meetings of the Executive Committee between this and next regular meeting and allowing only for one meeting to be held in Calcutta and the other in Batavia, the fares and travel expenses of the officers have been roughly calculated at about \$1850 (U.S.) and a further sum of \$150 would be required for contingencies. It is thought that the provision of at least this amount for 1950 would be essential.

*Publications:* Whilst there is no precise information on costs of publications or of the amount

of material which the Council might wish to publish, the available information suggests that the sum of \$2,000 (U.S.) should be available to publish, during 1949, a report of the proceedings together with a selection of the papers and titles and abstracts of remaining papers. The same procedure might be followed for the mimeographed material which might develop from the Committee's activities. It is suggested that the Report of the Proceedings of the Council be made the basic publication of the Council and that this be supplemented by mimeographed material. The question of other publications, such as a journal of the Council, will be considered later. If this plan is accepted, the Executive Committee thinks that a sum of \$2,000 would be adequate in 1950.

*Stationery etc:* The Executive Committee thinks that \$500 is an adequate provision for stationery probably for 1950.

## Appendix 4.

### SECRETARY'S REPORT ON CREDENTIALS

The Secretary wishes to report that he has received credentials, letters of appointment and other means of identification, which satisfy him that the persons named in the first section of the circulated list of representatives are properly appointed to represent their respective Governments as Delegates, Alternates and Advisers. He has also seen similar documents which satisfy him that the persons named in the second part of that list as Official Observers are properly appointed to act in that capacity. Finally he wishes to report that he invited certain local persons, by virtue of their technical qualifications, to assist in these discussions; this was done in the absence of adopted Rules of Procedure and he requests that his action may, in this instance, be approved.

## Appendix 5.

### SECRETARY'S REPORT ON THE PROPOSED RULES OF PROCEDURE

The Secretary obtained the assistance of Dr. Flory and Dr. Deason in carrying out the Council's direction to draft the Rules of Procedure in accordance with the discussions which took place in the 2nd, 3rd and 4th sessions, and the special session on Saturday afternoon. A revision of the rules in literal accord with the discussions which took place was prepared and used as a basis for re-drafting from the point of view of language alone. Numerous alterations were found desirable in this sense and in addition certain other changes were indicated in the course of discussions with delegations. A complete revision is submitted herewith and the following explanation of the changes made is offered.

1. The Sections of the rules are designated as "Sections" instead of "Rules" for euphony in reference.

2. The order of the definitions has been changed to allow of simplification in the wording of the definitions.

3. The expression "Member Government" has been substituted for "Member of the Council" as a means of indicating more clearly that the Council is composed of Member Governments, and to distinguish clearly between the Governments and their delegates.

4. Definitions have been inserted for the expressions "Observer Government or Organization" and "Observer" to permit simplification of wording. It will be observed, that, by these definitions and by reference to Section XII the expression "to such other Governments, Organizations and International bodies as are to be invited to participate in the meetings" has been eliminated. A definition has also been inserted for the term "Delegate."

5. The term "Sessions" has been employed in the sense of the actual meeting during any morning, afternoon or evening and the term "Meeting" to mean a series of sessions of the Council and its Committees.

6. Section II (1): The responsibility for calling the meeting has been changed from the Secretary to the Chairman, in accordance with Art. II (5) of the Agreement. It is understood that the Secretary may send out the actual communications constituting the "consultation" and the actual invitations in the name of, and at the request of, the Chairman.

It is understood that the expression "consultation" is intended to mean that in determining the time of a meeting the Chairman shall notify Member Governments of his proposal as to the date of the meeting, and after allowing a reasonable time for the Governments to reply, he will make a decision based on the replies received up to that time.

7. Section II (2): Drafting changes only.

8. Section II (3): Drafting changes only.

9. Section III: Drafting changes; in addition the time requirement has been removed for practical reasons; the words "for action by the Council" give an adequate protection and were inserted to show that the Council must approve the credentials.

10. Section IV: Drafting changes, in that the items which it is mandatory to include on the provisional agenda are grouped in paragraph 1, and these categories for which items may be proposed are included in paragraph 2; the original paragraph 1 has been included here.

Two new items have been included "(a) Adoption of Agenda" and "(b) Reports of Committees"; under the former the Council will indicate its approval of items proposed in accordance with paragraph 2.

11. Section IV (3): Drafting changes, in that paragraph 3 and 4 have been combined. A time limit for receipt of items for the provisional agenda in accordance with paragraph 2, is given. The exception in respect of "Rule XV, paragraph 2" has been removed as being inapplicable; also see the alternative wordings offered for Section XV (2).

12. Section IV (4): This is a new paragraph relating to the agenda for special meetings. It will be noted that under this paragraph as proposed, special meetings could consider only these special and urgent matters which impelled the calling of the meeting.

13. Section V (1) and (2): Definition of "Secretariat" has been inserted since it is used elsewhere in the Rules. The expression "as the facilities of his office permit" has been excluded because it is unnecessary. The limitations of finances to support the Secretariat are understood and the determination of priorities in the work of the Secretariat properly is a function of the Council and the Executive Committee. Drafting changes only in paragraph 2.

14. Section V (3): Re-arrangement has been effected and an indication has been given of where the responsibility lies for sending copies of correspondence to the Secretary. It is presumed that this provision applies only in respect of correspondence by persons acting on behalf of the Council, (the Chairman, Vice-Chairman, Chairman and members of Committee etc.), but it is also presumed that steps would be taken in most cases to furnish the Secretary with copies of correspondence to which this provision does not apply.

15. Section VI: Drafting changes only.

16. Section VII (1): Drafting changes only.

17. Section VII (2): It is proposed that the Chairman and Vice-Chairman assume office at the end of a regular meeting and hold office until the end of the next regular meeting, as originally proposed, in order that the officers may provide continuity in connection with the plans and programmes they have developed between meetings.

18. Section VIII (1): Drafting changes. The Chairman has been given the power to appoint the members of such special committees as the Council may set up to function during the meeting only.

19. Section VIII (2): Changed to permit the Chairman to relinquish the chair in order to speak or act for his Government.

20. Section VIII (3): Changed to provide that designation of the representative in place of the Chairman or Vice-Chairman is left to the discretion of the Delegation in accordance with its instructions.

21. Section VIII (4): The provision of the original paragraph 4 relating to the Vice-Chairman's assumption of the functions of the Chairman in his absence, is contained in paragraph 2. The provision for election of a new Chairman, in the event of the previous Chairman being unable to continue in office has been dropped and there has been added a provision for the Secretary to act in the admittedly remote possibility of both the Chairman and Vice-Chairman becoming unavailable for the affairs of the Council. This new paragraph is accordingly offered.

22. Section IX: Drafting changes only.

23. Section X: Drafting changes only.

24. Section X (2): Drafting changes only.

25. Section X (2) (d): Drafting changes, in that the words "ad hoc" have been substituted for the word "interim".

26. Section XI (2): Drafting changes in that "proposed budget" has been inserted instead of the words "Estimates of Exchanges" as being more precise designation of the type of document with which the Council will be concerned; and paragraphs 2 and 3 have been combined.

27. Section XI (4): A re-wording of the original paragraph 6 is submitted to indicate more precisely the nature of the Secretary's responsibility in connection with wishes of Member Governments in respect of co-operative or joint research in so far as the council may be involved.

28. Section XII (2): A new paragraph has been inserted here to provide for the intention of the original paragraph 4 of Section II. It will be observed that only international organizations are included. It is the view of the U.S. Delegation that organizations other than international organizations may not properly be invited as Observers, and that national organizations might be included either in delegations or as advisers to the Secretariat for the particular meeting.

29. Section XII (3): Drafting changes. Observers are permitted to attend any technical Committee sessions except when the Committee declares itself to be in executive sessions.

30. Section XIII: Drafting changes and requirement of summary records of all Committee meetings.

31. Section XIII (2) and (3): Drafting changes, except that in (2) the records and reports and other documents shall be sent to Observer Governments and Organizations as well as to the Member Governments.

32. Section XIV: Drafting changes only.

33. Section XV (1): The wording has been made it explicit that copy of proposals for amendment shall be sent to Member Governments and to the Director General upon receipt by the Secretary.

34. Section XV (2): Alternate wording is offered; It will be observed that originally a margin of 90 days was allowed between notice by the Secretary and the meetings to assure that the Member Governments would have adequate time to consider the proposal. Since the provisional agenda for regular meetings must now be sent out 60 days in advance of the meeting it may be that the extra 30 days allowed under the first alternative would not be essential. Adoption of the second alternative would simplify the work of the Secretariat.

35. Section XV (3): It is suggested that the sequence of steps to be followed in connection with proposals of this kind should be clearly indicated and that the wishes of the Member Governments should be determined before the approval of the Conference should be sought.

36. Section XVI (1): Drafting change, except that in addition to distribution beforehand announcement of the proposal is now required at least 24 hours before action is taken.

37. Section XVI (2): Same as Section XVI (1).

38. Section XVI (3), (4): Drafting changes only.

## RULES OF PROCEDURE REGLEMENT INTERIEUR.

### SECTION I.

For the purpose of these Rules, the following definitions apply:

<i>Agreement:</i>	The Agreement for the Establishment of the Indo-Pacific Fisheries Council, formulated at Baguio, Philippines, 26th February 1948.
<i>Council:</i>	The Indo-Pacific Fisheries Council.
<i>Chairman:</i>	The Chairman of the Council.
<i>Delegate:</i>	The representative of a Member Government as specified in Article II(1) of the Agreement.
<i>Delegation:</i>	The delegate and his alternate, experts and advisers.
<i>Member Government:</i>	The Member Government of the Council.
<i>Secretary:</i>	The Secretary of the Council.
<i>Organization:</i>	The Food & Agriculture Organization of the United Nations.
<i>Conference:</i>	The Conference of the Organization.
<i>Director-General:</i>	The Director-General of the Organization.
<i>Observer Government or Organization:</i>	A non-Member Government or Organization invited to attend a meeting of the Council.
<i>Observer:</i>	The representative of an Observer Government in Organization.

### ARTICLE I.

Aux fins du présent règlement, les termes se définissent comme suit:

<i>Accord:</i>	L'Accord en vue de la constitution d'un Conseil Indo-pacifique des peches, conclu a Baguio (Republique des Philippines), le 26 fevrier 1948.
<i>Conseil:</i>	Le Conseil indo-pacifique des peches.
<i>President:</i>	Le President du Conseil.
<i>Delegue:</i>	Le representant d'un Etat Membre comme il est specifie dans l'Article II(1) de l'Accord.
<i>Delegation:</i>	Le delegue et son suppleant, les experts et les conseillers.
<i>Etat Membre:</i>	L'Etat Membre du Conseil.
<i>Secetaire:</i>	Le Secetaire du Conseil.
<i>Organisation:</i>	L'Organisation des Nations Unies pour l'Alimentation et l'Agriculture.
<i>Conference:</i>	La Conference de l'Organisation..
<i>Directeur general:</i>	Le Directeur general de l'Organisation.
<i>Etat ou organisation represente par un observateur:</i>	Un Etat ou une organisation non-membre invite a assister a une session du Conseil.
<i>Observateur:</i>	Le representant d'un Etat ou d'une organisation agissant en tant qu'observateur.

## SECTION II.

### Meetings of the Council

1. In pursuance of, and in accordance with Article II (5) of the Agreement the Chairman shall issue invitations calling the regular meeting of the Council in the first quarter of each year at such time as he may determine, after consultation with the Member Governments, and at a place decided upon by the Council at a previous meeting, or as decided by the Executive Committee and subsequently approved by a majority of the Member Governments.

2. The Chairman may call a special meeting of the Council at

- (a) the direction of the Council
- (b) the direction of the Executive Committee with the approval of a majority of the Member Governments, or
- (c) the request of a majority of the Member Governments.

The Executive Committee shall decide the time and place of such a meeting.

3. Invitations to a regular meeting of the Council shall be issued not less than sixty days in advance of the date fixed for the opening of the meeting. Invitations to Special Meetings shall be issued not less than forty days in advance of the date fixed for the opening of the meeting.

## SECTION III.

### Credentials

At each meeting the Secretary shall receive the credentials of the Delegations and Observers and shall examine and report thereon for action by the Council.

## SECTION IV.

### Agenda

1. The agenda of each regular meeting shall include:

- (a) Adoption of the agenda.
- (b) The election of the Chairman and Vice-Chairman as provided for under Article III (3) of the Agreement.

## ARTICLE II.

### Sessions du Conseil

1. Conformément à l'Article II (5) de l'Accord, le Président enverra les invitations aux sessions ordinaires du Conseil durant le premier trimestre de chaque année à la date qu'il choisira, après avoir consulté les Etats Membres, et à l'endroit qui aura été fixé, soit par le Conseil au cours d'une réunion antérieure, soit par le Comité exécutif, et approuvé ensuite par la majorité des Etats Membres.

2. Le Président peut convoquer une session extraordinaire du Conseil:

- (a) sur les instructions du Conseil
- (b) sur les instructions du Comité exécutif avec l'approbation de la majorité des Etats Membres, ou:
- (c) à la demande de la majorité des Etats Membres.

Le Comité exécutif décidera de la date et du lieu de cette session.

3. Les invitations à une session ordinaire du Conseil seront envoyées au moins 60 jours avant la date fixée pour l'ouverture de celle-ci. Les invitations à une session extraordinaire seront envoyées au moins 40 jours avant la date fixée pour l'ouverture de celle-ci.

## ARTICLE III.

### Pouvoirs des délégués

A chaque session le Secrétaire recevra les pouvoirs des délégations et des observateurs et examinera le rapport rédigé à ce sujet et destiné au Conseil pour que celui-ci prenne les décisions nécessaires.

## ARTICLE IV.

### Ordre du Jour

1. L'ordre du jour de chaque session ordinaire comprendra:

- (a) l'adoption de l'ordre du jour.
- (b) l'élection du Président et du Vice-Président comme il est prévu par l'Article II (3) de l'Accord.



- (c) A report by the Secretary of the work performed on behalf of the Council by Secretariat.
- (d) A report by the Secretary on the financial affairs of the Council.
- (e) Consideration of the proposed budget for the ensuing year.
- (f) Proposals for amendments to the Agreement, in accordance with Article VII of the Agreement and provisions of Section XV of these Rules.
- (g) Applications for membership, approved by the Conference in accordance with Article VIII (2) of the Agreement, from Governments which are not members of the Organization.
- (h) Reports of committees.

2. The agenda shall also include, upon approval by the Council:

- (a) Items approved at the previous meeting.
- (b) Items proposed by the Executive Committee.
- (c) Items referred to the Council by the Organization or the Director-General.
- (d) Items proposed by a Member Government.

3. A provisional agenda, consisting of items (a) to (h) of para. 1 of this Section and of such other items as may have been proposed, shall be sent by the Secretary to Member Governments and Observer Governments and Organizations not less than sixty days before the date fixed for the opening of the meeting together with reports and documents available in connection therewith.

4. The agenda of the Special Meeting shall consist only of items relating to the purpose for which the meeting was called.

## SECTION V.

### The Secretariat

1. The Secretariat shall consist of the Secretary and the staff responsible to him and shall provide secretarial services for the Council.

- (c) Un rapport du Secrétaire sur les travaux accomplis pour le Conseil par le Secrétariat.
- (d) Un rapport du Secrétaire sur la situation financière du Conseil.
- (e) L'examen du projet de budget pour l'exercice suivant.
- (f) Les propositions d'amendement à l'Accord, conformément à l'Article VII de ce dernier, et aux dispositions de la Section XV du Règlement.
- (g) Les demandes d'adhésion au Conseil présentées par des Etats non-membres de l'Organisation et approuvées par la Conférence conformément à l'Article VII (2) de l'Accord.
- (h) Les rapports des comités.

2. L'ordre du jour comprendra également, après approbation du Conseil:

- (a) Les questions approuvées au cours de la session précédente.
- (b) Les questions proposées par le Comité exécutif.
- (c) Les questions soumises au Conseil par l'Organisation ou par le Directeur général.
- (d) Les questions proposées par un Etat Membre.

3. Un ordre du jour provisoire comprenant les questions (a) à (h) du premier alinéa du présent article, et celles qui auront pu être proposées, sera envoyé par le Secrétaire aux Etats Membres et aux Etats et organisations jouant le rôle d'observateurs, au moins 60 jours avant l'ouverture de la session, en même temps que les rapports et tous documents concernant les dites questions.

4. L'ordre du jour des sessions extraordinaires ne comprendra que les questions qui doivent faire l'objet de la session.

## ARTICLE V.

### Secretariat

1. Le Secrétariat, composé du Secrétaire et du personnel placé sous son autorité, assiste le Conseil dans le domaine qui lui est propre.

2. The duties of the Secretary shall include the receipt, collation and circulation of documents, reports and resolutions of the meetings of the Council and its committees, the preparation of the records of their proceedings, the certification of expenditures and financial commitments, and the performance of such other duties as the Council or the Executive Committee may direct.

3. The originator shall send to the Secretary for information and record, copies of correspondence concerning the affairs of the Council.

## **SECTION VI.**

### **Plenary Sessions of the Council**

Plenary sessions of the Council shall be open to attendance by all Delegations of Member Governments and Observers, and shall be open to the public unless otherwise decided by the Council.

## **SECTION VII.**

### **Election of Chairman and Vice-Chairman**

1. The Council shall, during each regular meeting, elect the Chairman and Vice-Chairman of the Council for the ensuing year. Nominees shall be duly proposed and seconded from the floor and must be delegates or alternate delegates.

2. The Chairman and Vice-Chairman shall assume office at the end of the regular meeting in which they are elected. They shall be eligible for re-election.

## **SECTION VIII.**

### **Functions of the Chairman and Vice-Chairman**

1. The Chairman shall exercise the functions conferred on him elsewhere in these Rules, and in particular shall:

- (a) Declare the opening and closing of each plenary session of the Council.
- (b) Direct the discussions at such sessions and ensure observance of these Rules, accord the right to speak, put questions and announce decisions.

2. Le Secrétaire aura pour fonctions de recevoir, rassembler et assurer la diffusion des documents, des rapports et des résolutions prises au cours des sessions et émanant du Conseil et de ses comités, de préparer les comptes rendus des séances, d'approuver les dépenses et les engagements financiers et enfin de s'acquitter de toutes tâches dont le Conseil ou le Comité exécutif pourraient le charger.

3. Des copies de toutes lettres relatives aux affaires du Conseil sont adressées au Secrétaire aux fins d'information et de classement.

## **ARTICLE VI.**

### **Reunions plenieres du Conseil**

Les réunions plénières du Conseil sont ouvertes à toutes les délégations des Etats Membres et aux observateurs ainsi qu'au public, à moins que le Conseil n'en décide autrement.

## **ARTICLE VII.**

### **Election du Président et du Vice-Président**

1. A chaque session ordinaire le Conseil élit le Président et le Vice-Président du Conseil pour l'année suivante. Les candidats doivent être des délégués ou des suppléants et leurs candidatures doivent être proposées et appuyées par des membre du Conseil.

2. Le Président et le Vice-Président entrent en fonctions à la fin de la session ordinaire au cours de laquelle ils auront été élus. Ils sont rééligibles.

## **ARTICLE VIII.**

### **Fonctions du Président ou du Vice-Président**

1. Le Président exerce les fonctions qui lui sont attribuées en vertu d'autres dispositions du présent règlement; il doit notamment:

- (a) Annoncer l'ouverture et la clôture de chaque réunion plénière du Conseil.
- (b) Diriger les discussions au cours de ces sessions et assurer l'application du présent règlement; donner la parole; mettre les questions aux voix et proclamer les décisions.

(c) Rule on points of order.

(d) Subject to these Rules, have complete control over the proceedings of the session.

(e) Appoint such *ad hoc* committees of the meeting as the Council may direct.

2. The Vice-Chairman shall exercise the functions of the Chairman in the Chairman's absence or at the Chairman's request.

3. The Chairman, or Vice-Chairman when acting as Chairman, shall not vote, and another member of his Delegation shall represent his Government.

4. The Secretary shall exercise the functions of the Chairman in the event that both the Chairman and Vice-Chairman are unable to serve because of death, resignation or their ceasing to represent their Government.

## SECTION IX.

### Quorum and Voting Arrangements

1. Each Member Government shall have one vote.

2. The presence of Delegations representing a simple majority of the Member Governments shall constitute a quorum.

3. Except as provided in para. 6 of this Section, voting in plenary sessions shall be oral or by show of hands; except that a vote by roll call shall be taken if a special majority is required by the Agreement, or these Rules, or if a request for a vote by roll call is made by any Delegation.

4. A vote by roll call shall be conducted by calling upon Delegations in the English alphabetical order of their respective Member Governments.

5. The record of any roll call vote shall show the votes cast by each Delegation and any abstentions.

6. Voting on matters relating to individuals, except the election of officers, shall be by secret ballot.

(c) Statuer sur les motions d'ordre.

(d) Exercer, dans le cadre du présent Règlement, une pleine autorité sur les débats.

(e) Nommer les comités *ad hoc* des sessions conformément aux instructions du Conseil.

2. Le Vice-Président exerce les fonctions de Président en l'absence de ce dernier ou sur sa demande.

3. Le Président, ou le Vice-Président en l'absence du Président, n'ont pas le droit de vote et un autre membre de leur délégation représente leur gouvernement.

4. Le Secrétaire exerce les fonctions du Président dans le cas où celui-ci et le Vice-Président seraient tous les deux incapables de remplir leur charge, soit pour cause de décès ou de démission, soit parce qu'ils auront cessé de représenter leur gouvernement.

## ARTICLE IX.

### Quorum et vote

1. Chaque Etat Membre n'aura droit qu'à une voix.

2. Le quorum est constitué par la majorité absolue des Etats Membres représentée à la séance.

3. Sauf le cas prévu au sixième alinéa de la présente section, le vote au cours d'une séance plénière se fait oralement ou à main levée; le vote par appel nominal est de rigueur quand l'Accord ou le Règlement exige une majorité spéciale ou quand une délégation le demande.

4. L'appel nominal des délégués se fait dans l'ordre alphabétique anglais.

5. Le vote de chaque délégué participant à un vote par appel nominal ainsi que les abstentions, figurent dans le procès-verbal de la séance.

6. Les votes sur des propositions ayant trait à des individus ont lieu au scrutin secret, sauf quand il s'agit de l'élection des membres du Bureau.

7. When no nominee for an office obtains on the first ballot a majority of the votes cast, there shall be taken a second ballot confined to the two candidates obtaining the largest number of votes. If, on the second ballot, the votes are equally divided, the Chairman shall decide between the candidates by drawing lots.

8. If the Council is equally divided when a vote is taken on a question other than an election, a second vote shall be taken at the next session of the current meeting. If the Council is then again equally divided, the proposal shall be regarded as rejected.

## SECTION X.

### Committees

1. The Executive Committee shall consist of the Chairman, the Vice-Chairman and the Secretary. The Chairman shall be the Chairman of the executive Committee. The Executive Committee shall:

- (a) Meet at least once a year between regular meetings.
- (b) In addition to the duties prescribed elsewhere under these Rules, direct the conduct of the business and affairs of the Council between its meetings, except that issues of policy, unless previously decided by the Council, shall be formulated by the Executive Committee as a motion and referred to the Member Governments. Upon receipt by the Secretary of affirmative replies from a majority of the Member Governments, the motion shall be considered adopted.
- (c) Prepare estimates of expenses for the next succeeding year for presentation to the Council for submission to the Organization, in accordance with the provisions of Article VI (2) of the Agreement.
- (d) Co-ordinate the work of the technical committees.
- (e) Function as an editorial and publications committee.

2. There shall be two technical committees (1) Hydrology and Biology, and (2) Technology,

7. Lorsqu'un candidat à un poste n'obtient pas au premier tour de scrutin la majorité des membres présents et votant, il est procédé à un second tour, mais le vote ne porte plus que sur les deux candidats ayant obtenu le plus grand nombre de voix. Si les deux candidats recueillent le même nombre de voix à ce second tour, le Président décide entre les candidats par tirage au sort.

8. En cas de partage égal des voix lors d'un vote ne portant pas sur des élections, il est procédé à un deuxième vote au cours de la séance suivante de la même session. S'il y a encore égalité, la proposition est considérée comme rejetée.

## ARTICLE X.

### Comités

1. Le Comité exécutif se compose du Président, du Vice-Président et du Secrétaire. Le Président du Conseil est le Président du Comité exécutif.

- (a) Le Comité exécutif se réunit au moins une fois par an dans l'intervalle des sessions.
- (b) Outre les fonctions décrites dans une autre partie du Règlement, il dirige les affaires du Conseil dans l'intervalle de ses sessions; toutefois, les décisions du Comité en matière de politique, à moins qu'elles ne soient l'application de celles déjà prises par le Conseil, n'ont pas un caractère définitif et sont soumises aux Etats Membres. Si la majorité de ceux-ci se prononce en faveur des propositions du Comité et en donne connaissance au Secrétaire, ces dernières sont considérées comme adoptées.
- (c) Il fait l'estimation des dépenses pour l'exercice suivant en vue de la soumettre au Conseil et ultérieurement à l'Organisation, conformément à l'Article VI (2) de l'Accord.
- (d) Il coordonne le travail des comités techniques.
- (e) Il joue le rôle d'un comité d'édition et de publication.

2. Il y a deux comités techniques (1) d'Hydrologie et de Biologie, (2) de Technologie,

and each Member Government shall be entitled to membership thereon. The terms of reference of these technical committees shall be determined by the Council and shall always be published along with these Rules.

- (a) At each regular meeting the Chairman shall poll the Delegations to determine if they desire membership on the technical committees for the ensuing year. Each Delegation shall indicate the person or persons it desires to serve on such committees.
- (b) The technical committees shall select a chairman and a rapporteur from among their members, who shall serve for the ensuing year.
- (c) The technical committees shall report to the Council through the Executive Committee at each regular meeting, and at special meetings subject to Section IV (4) of these Rules.
- (d) The technical committees may establish from time to time, such *ad hoc* sub-committees as may be necessary to comply effectively with their terms of reference or to perform any special functions in pursuance thereof.

## **SECTION XI.**

### **Budget and Finance**

1. Except as otherwise provided in these Rules, the financial regulations of the Organization, as implemented by the administrative manual and memoranda and the procedures based thereon, shall apply to the Council.

2. A proposed budget of the Council for the next succeeding financial year consisting of proposed expenses of the Secretariat, including publications and communications, and of the proposed travelling expenses of the Chairman and Vice-Chairman, when engaged in the work of the Council between its meetings, shall after approval by the Council, be submitted to the Director-General for consideration in the preparation of the general budget estimates of the organisation.

3. When adopted by the Conference in its annual sessions as part of the general budget of the Organization, the budget of the Council shall

chaque Etat Membre a le droit de faire partie de ces comités. Les attributions de ces comités techniques sont fixées par le Conseil.

- (a) A chaque session ordinaire le Président fait voter les délégations sur la question de savoir si elles désirent être membres des comités techniques durant l'année suivante. Chaque délégation indique la personne ou les personnes qu'elle voudrait voir appartenir à ces comités.
- (b) Les comités techniques choisissent parmi leurs membres un président et un rapporteur qui exerceront leurs fonctions l'année suivante.
- (c) Les comités techniques font rapport au Conseil par l'intermédiaire du Comité exécutif, au cours de chaque session extraordinaire conformément aux dispositions de la section IV (4) du Règlement.
- (d) Les comités techniques peuvent être amené à constituer des sous-comités *ad hoc*, lorsque cela est nécessaire pour leur permettre de se conformer comme il convient à leurs attributions ou de s'acquitter de toutes les fonctions spéciales qui pourraient en découler.

## **ARTICLE XI.**

### **Budget et Finances**

1. Sauf dispositions contraires du présent Règlement, le Règlement financier de l'Organisation, complété par le manuel et les mémorandums administratifs et les procédures qui en découlent, est applicable aux activités du Conseil.

2. Pour chaque exercice financier, le Conseil prépare un projet de budget comprenant les dépenses prévues du Secrétariat, y compris les publications et les communications ainsi que les frais de déplacement du Président et du Vice-Président quand ils ont à s'acquitter de leurs fonctions dans l'intervalle des sessions; une fois approuvé par le Conseil, ce projet de budget est soumis au Directeur général pour examen afin de lui permettre d'en tenir compte dans les prévisions budgétaires générales de l'Organisation.

3. Une fois adopté par la Conférence au cours de sa session annuelle en tant que partie intégrante du budget général de l'Organisation,

constitute the limits within which funds may be committed for purposes approved by the Conference.

4. Where two or more Member Governments decide to undertake and finance co-operative or joint projects in accordance with Article VI (4) of the Agreement, and wish the Organization to undertake the necessary financial administrative services, the Secretary shall, upon their request, assist them in working out the details with the Organization.

## **SECTION XII.**

### **Participation by Observers**

1. Invitations to the meetings of the Council shall be sent to those public international organizations having relationship with the Organization which provide for reciprocal representation and to those international non-Governmental organizations entitled by their agreements with the Organization to be represented by observers.

2. Invitations to be represented by observers shall also be sent to such other international organizations and to such non-member Governments which are members of the Organization, as the Executive Committee directs.

3. On an affirmative vote of three-fourths of all the Member Governments, invitations to be represented by observers shall be sent to non-member Governments which are not members of the Organization.

4. Unless the Council expressly determines otherwise, such observers may attend the plenary meetings of the Council and may participate in the discussions. Observers may also attend and participate in any technical committee sessions except executive sessions.

## **SECTION XIII.**

### **Record of Proceedings**

1. Summary records shall be made of each plenary session and each committee session, and shall be distributed as soon as possible to the participants.

2. As soon as possible after the end of each meeting of the Council, copies of all summary records and reports, and copies of all resolutions,

le budget du Conseil constitue la limite dans laquelle des fonds peuvent être engagés à des fins approuvées par la Conférence.

4. Quand deux Etats Membres au minimum décident d'entreprendre et de financer des projets, en commun, conformément à l'Article VI (4) de l'Accord, et désirent s'assurer sur le plan administratif le concours financier de l'Organisation, le Secrétaire s'efforce, s'ils lui en font la demande, de leur faciliter la mise au point de ces projets de concert avec l'Organisation.

## **ARTICLE XII.**

### **Participation des observateurs**

1. Des invitations aux sessions du Conseil sont adressées aux organisations publiques internationales qui ont avec l'Organisation des rapports prévoyant une représentation réciproque, et aux organisations internationales non-gouvernementales que leurs accords avec l'Organisation autorisent à se faire représenter par des observateurs.

2. Des invitations à se faire représenter par des observateurs sont également adressées aux autres organisations internationales et Etats non membres qui font partie de l'Organisation, conformément aux instructions du Comité exécutif.

3. Sur vote affirmatif des trois quarts des Etats Membres, les Etats non membres qui ne sont pas non plus membres de l'Organisation sont invités à se faire représenter par des observateurs.

4. A moins que le Conseil n'en décide autrement—et cela d'une façon formelle—les observateurs peuvent assister aux réunions plénières du Conseil et participer aux discussions. Les observateurs peuvent également assister et participer aux sessions des comités techniques à l'exception des sessions ayant lieu à huis clos.

## **ARTICLE XIII.**

### **Comptes rendus des débats**

1. Des comptes rendus analytiques sont rédigés pour chaque réunion plénière et chaque session des comités ils sont distribués dans le plus bref délai aux membres des délégations.

2. Aussitôt que possible après la clôture de chaque réunion du Conseil, des copies de tous les procès-verbaux et rapports, y compris des

recommendations and other formal decisions adopted by the Council shall be transmitted by the Secretary to the Member Governments and Observer Governments and Organizations.

3. A summary shall be prepared of the proceedings of each meeting of the Council and shall be published, together with such reports of committees, technical papers and other documents as the Executive Committee may consider practicable.

#### **SECTION XIV.**

##### **Recommendations to Member Governments**

1. The Council may make recommendations for action by Member Governments on any matters pertaining to the functions described in Article III of the Agreement.

2. The Secretary shall receive on behalf of the Council the replies of the Member Governments in respect of such recommendations and shall prepare a summary and an analysis of such communications for presentation at the next meeting.

#### **SECTION XV.**

##### **Amendments to the Agreement**

1. Proposals for the amendment of the Agreement as provided by Article VII of the Agreement may be made by any Member Government in a communication addressed to the Secretary. The Secretary shall transmit to all Member Governments and to the Director-General a copy of such proposals for amendment immediately upon their receipt.

2. No action on a proposal for the amendment of the Agreement shall be taken by the Council at any meeting unless it has been included in the provisional agenda of the meeting.

3. In accordance with Article VII of the Agreement, proposals for amendment of the Agreement which extend the functions of the Council or extend the powers of the Council to incur expenses shall, if adopted by the Council, be transmitted to the Director-General for the approval of the Conference and of the Director-General respectively.

copies de toutes résolutions, recommandations et autres décisions adoptées par le Conseil, sont transmises par le Secrétaire aux Etats Membres, aux Etats et aux organisations représentés par des observateurs.

3. Un résumé des débats de chaque réunion du Conseil est publié conjointement avec les comités, les mémoires techniques et autres documents que le Comité exécutif estime opportun de faire paraître.

#### **ARTICLE XIV.**

##### **Recommendations aux Etats Membres**

1. Le Conseil peut adresser des recommandations aux Etats Membres sur les mesures à l'égard de toute question relative aux fonctions mentionnées dans l'Article III de l'Accord.

2. Le Secrétaire reçoit au lieu et place du Conseil les réponses des Etats Membres aux dites recommandations et fait le résumé et l'analyse de ces communications en vue de leur présentation à la session suivante.

#### **ARTICLE XV.**

##### **Amendements à l'Accord**

1. Les propositions d'amendement à l'Accord par application de l'Article VII du dit Accord peuvent être présentées par un Etat Membre dans une communication adressée au Secrétaire. Ce dernier adresse dès leur réception, à tous les Etats Membres et au Directeur général, une copie de ces propositions.

2. Le Conseil ne prend en séance aucune décision à l'égard d'une proposition d'amendement, à moins que cette dernière n'ait été à l'ordre du jour provisoire de la réunion.

3. Conformément à l'Article VII de l'Accord, les propositions d'amendement à l'Accord adoptées par le Conseil et destinées à élargir ses fonctions ou à accroître ses pouvoirs en ce qui concerne l'engagement des dépenses, sont transmises au Directeur général pour approbation par la Conférence et par le Directeur général respectivement.

## SECTION XVI.

### Suspension and Amendment of Rules

1. Subject to the provisions of the Agreement, any of the foregoing sections other than IV, X (2), XI and XV may be suspended on the motion of any Delegation by a two-thirds majority of the votes or at any plenary session of the Council, provided that announcement is made at a plenary session and copies of the proposal for suspension have been distributed to the Delegations not less than 48 hours before the session at which action is to be taken.

2. Amendments of, or additions to, these Rules may be adopted on the motion of any Delegation by a two-thirds majority of the votes cast at any plenary session of the Council, provided an announcement is made at a plenary session and copies of the proposal for the amendment or addition have been distributed to Delegations not less than 24 hours before the session at which action is to be taken.

3. The Executive Committee may propose amendments and additions to these Rules, and any such proposals may be considered at the next meeting of the Council.

4. Any amendment to Section XV, which may be adopted in accordance with the provisions of para. 2 of this Section, shall not become effective until the next meeting of the Council.

## SECTION XVII.

### Official Languages

The official languages of the Council shall be English and French. Delegations may use either language at meetings; reports, manuscripts and communications may be written in either language; publication of reports and manuscripts shall be in the language in which they are submitted and, when required by the Council or the Executive Committee, abstracts in translation may be published.

## ARTICLES XVI.

### Suspensions et amendements relatifs aux Articles du Règlement

1. Sous réserve des dispositions de l'Accord, tous les Articles du Règlement qui précèdent à l'exception des Articles IV, X (2), XI et XV peuvent être provisoirement suspendus par un vote à la majorité des deux tiers des voix exprimées au cours d'une séance plénière du Conseil, à condition que notification en ait été donnée au cours d'une session plénière et que des copies de la proposition de suspension aient été distribuées aux délégations 48 heures au moins avant la session au cours de laquelle une décision doit être prise à ce sujet.

2. Les amendements ou les additifs au Règlement peuvent être adoptés à la majorité des deux tiers des votes émis en session plénière du Conseil, à condition qu'il en soit donné préavis au cours d'une session plénière et que des copies de la proposition d'amendement aient été distribuées aux délégations au moins 24 heures avant la session au cours de laquelle une décision doit être prise à cet égard.

3. Le Comité exécutif peut proposer des amendements et des additifs au présent Règlement, et ces propositions peuvent faire l'objet d'un examen au cours de la prochaine réunion du Conseil.

4. Tout amendement à l'Article XV qui pourrait être adopté conformément aux dispositions du deuxième alinéa de cet article n'entrera en vigueur qu'au cours de la session suivante du Conseil.

## ARTICLE XVII.

### Langues officielles

Les langues officielles du Conseil sont l'anglais et le français. Les délégations peuvent se servir de l'une ou l'autre de ces langues au cours des réunions; les rapports, les documents et les communications peuvent être rédigés également dans l'une ou l'autre langue. Les rapports et les manuscrits sont publiés dans la langue dans laquelle ils auront été soumis et, sur demande du Conseil ou du Comité exécutif, il peut en être publié des résumés en traduction.



## TERMS OF REFERENCE OF THE TECHNICAL COMMITTEES

Adopted During Session Ten (see above page 14).

## ATTRIBUTIONS DES COMITES TECHNIQUE

Adopte Pendant la lere Session (sci Supra page 14).

The Council may refer to the Technical Committee specific problems, and the Committees shall study and report there in with recommendations, for Council section. The Council may refer to:—

- (a) The Committee for Hydrology and Biology specific problems of the development and proper utilisation of the fishery resources, and dealing with (1) the aquatic biosphere and the physical and chemical phenomena required for proper understanding thereof; (2) identification and description of the natural units of the stocks of aquatic organisms; (3) migratory, feeding and reproductive habits; (4) rates and causes of recruitment, growth and mortality; (5) the measurement and analysis of population levels and their fluctuations and the effect of fishing operations thereon; and (6) increasing fish-cultural production through the development and application of biological techniques.
- (b) The Committee on Technology specific problems of the development and proper utilization of the fisheries, and dealing with (1) the capture, preservation, processing, distribution, marketing and consumption of fish and fishery products; (2) fish-pond engineering and management, and, with reference to the foregoing; (3) equipment, facilities and techniques; (4) statistics; and (5) economic factors such as financing and manpower.

Le Conseil peut renvoyer aux comités techniques des problèmes particuliers, et les comités les étudieront et présenteront sur ces problèmes son rapport accompagné des recommandations pour décisions du conseil.

Le conseil peut renvoyer à

- (a) la comité d'hydrologie et de biologie, les problèmes particulier au développement et à l'utilisation rationnelle des ressources de pêches, et concernant (1) la biosphère aquatique et les phénomènes physiques et chimiques nécessaires d'une compréhension convenable de celle-ci; (2) l'identification et la description des unités naturelles dans les stocks d'organismes aquatiques; (3) les habitudes d'alimentation migratoires et les moeurs de reproduction; (4) les taux et les causes de recrutement, de développement et de mortalité; (5) la mensuration et l'analyse des niveaux de population et de leur fluctuation et l'effet sur ceux-ci des opérations de pêche—(6) l'accroissement de le production des produits de culture par le développement et l'application des techniques biologiques.
- (b) la comité de technologie, les problèmes spécifiques de développement et de l'utilisation rationnelle des pêcheries et concernant (1) la capture, la conservation, le traitement, la distribution, la vente au détail et la consommation du poisson et des produits de pêcherie; (2) les travaux d'installation des viviers et leur exploitation et, au sujet de ce qui précède; (3) outillage, facilités et technique; (4) statistiques; (5) facteurs économiques tel que financement et main d'oeuvre.

# LIST OF DELEGATES AND OBSERVERS

## Official Delegations

<i>Australia.</i>	Dr. H. Thompson, Delegate.	Chief, Division of Fisheries, CSIR, Cronulla, N.S.W.
	F. T. Homer, Esq., Alternate.	Acting Official Secretary, Australian Commissioner's Office, Singapore.
<i>Ceylon.</i>	Dr. C. Amirthalingam, Delegate.	Director of Fisheries, Ceylon.
<i>China.</i>	Dr. Wu Paak Shing, Delegate.	Consul-General of the Republic China, Singapore.
<i>France.</i>	Mon. J. Lemasson, Delegate.	Chief, Services des Peches et Chasses de l'Indo-Chine, Pnom Penh.
	Mon. J. Durand, Alternate.	Assistant Institut Oceanographique de l'Indo-Chine, Nhatrang.
<i>India.</i>	Dr. Bains Prasad, Delegate.	Fisheries Development Adviser, Min. of Agriculture, New Delhi.
	Dr. N. K. Panikkar, Alternate.	General Physiologist Central Marine Fisheries Research Stn., Madras.
<i>Netherlands.</i>	Dr. J. K. de Jong, Delegate.	Head of Sea Fisheries, Batavia.
	Dr. J. D. F. Hardenberg, Alternate.	Head of the Laboratory for the Investigation of the Sea, Batavia.
	W. H. Schuster, Esq.	Inland Fisheries, c/o Laboratory for the Investigation of the Sea, Batavia.
	Cdr. H. W. R. Krauss.	Hydrographer, Dept. of Navigation Batavia.
	P. W. Lokollo, Esq..	Fisheries Adviser for East Indonesia.
<i>Philippines.</i>	Claro Martin, Esq., Delegate.	Chief, Division of Fisheries Technology, Bureau of Fisheries Manila.
<i>United Kingdom.</i>	Dr. W. M. Clyde, Delegate.	Director, Economic Activities, Office of Com. Gen. for U.K. in S.E. Asia.
	Dr. H. W. Jack, Alternate.	Agriculture Adviser to the Commissioner General.
	T. W. Burdon, Esq..	} Fisheries Dept. The Federation of Malaya and The Colony of Singapore.
	Tham Ah Kow, Esq..	
	Soong Min Kong, Esq..	
	Chia Chye Khoon, Esq..	
	E. Banks, Esq..	Fishery Survey Officer, Sarawak.
	J. A. Tubb, Esq..	Director of Fisheries, Sandakan, North Borneo.
	E. H. Weigall, Esq..	Fisheries Officer, Brunei.

<i>United Kingdom</i> (continued)	J. Cater, Esq..	Acting Director of Fisheries, Fisheries Dept. G.P.O. Building, Hong Kong.
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	M. W. F. Tweedie, Esq..	Director, Raffles Museum, Singapore.
U. S. A.	Dr. C. A. Gibson-Hill.	Assistant Curator, Raffles Museum, Singapore.
	Oscar E. Sette, Esq., Delegate.	Director, Pacific Oceanic Fisheries Investigation. Fish & Wildlife Service Dept. of the Interior, San Francisco, California.
	Dr. Wm. E. S. Flory, Alternate.	Deputy Special Assistant to the Under Secretary, Dept. of State. Washington, 25, D.C.
	Dr. Hilary J. Deason.	Chief, Office of Foreign Activities, U.S. Fish & Wild- life Services—Dept. of Interior, Washington, 25, D.C.
	Chas. Butler, Esq..	Chief, Technological Activities Pacific Oceanic Fisheries Investigations Fish and Wildlife Service, Dept. of the Interior Honolulu, Hawaii.
	Herbert Warfel, Esq..	Biologist-in-Charge, Biological & Oceanographic Investigations, Philippines Fishery Programme, Fish & Wildlife Service, Manila.

#### Official Observers

<i>Korea.</i>	Chyung Moon Gi, Esq..	Economic Planner, Planning Board, Republic of Korea—Seoul.
	Whang Sung Soo, Esq..	Chief of Information Bureau, Ministry of Foreign Affairs, Seoul.
S. C. A. P.	W. C. Herrington, Esq..	Natural Resources Section (Fish. Div.) G.H.Q.— SCAP Tokyo.
<i>South Pacific</i> <i>Commission.</i>	Dr. Wm. E. S. Flory.	U.S.A.
	Dr. H. Thompson.	Australia.
	Mon. J. Lemasson.	France.
	Dr. J. D. F. Hardenberg.	Netherlands.
U. N. E. S. C. O.	Dr. A. Wolsky.	Principal Field Scientific Officer, for South Asia.
<i>Delhi</i>		
<i>Manila.</i>	W. J. Ellis, Esq..	Field Scientific Officer for East Asia.

#### Unofficial Observers

<i>Commissioner-General's</i> <i>Office, Singapore.</i>	R. G. Stone, Esq..	Secretary, Economic Department.
<i>Federation of Malaya.</i>	Anker Rentze, Esq..	Development Officer, Kota Bahru, Kelantan.
	Che' Jaidin b. Alang Musa.	c/o District Hospital, Alor Gajah, Malacca.

*Medical College.*

Dr. D. W. G. Faris.	Principal.
Prof. J. W. H. Lugg.	Prof. of Biochemistry.
Dr. J. W. Black.	Supernumerary Tutor of Physiology.
Dr. N. K. Sen.	Act. Professor of Bacteriology.
Dr. J. H. Strahan.	Prof. of Social Medicine & Hygiene.
Dr. Lim Kok Ann.	Tutor in Bacteriology.
R. Mannikam, Esq..	Senior Laboratory Assistant, Special Grade.
Lim Boon Par, Esq..	Final Year Medical Student.
A. R. Pratt, Esq..	Ministry of Food Representative in S. East Asia.

*Ministry of Food.*

*Raffles College,  
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Dr. G. V. Allen.	Principal Designate of the University of Malaya.
Prof. W. E. Dyer.	Professor of History & Principal of Raffles College.
Prof. R. A. Robinson.	Professor of Chemistry.
Dr. E. H. G. Dobby.	Professor of Geography.
Prof. Lim Tay Boh.	Ag. Professor of Economics.
Kiang Ai Kim, Esq..	Lecturer in Chemistry.
Mrs. Tong.	Assist. Lecturer in Chemistry.
K. Bieda, Esq. Ungku Aziz b. A. Hamid }	Economics Department.
Jacob Low, Esq. Oh Sui Hong, Esq. }	Students (Final Year).

*Raffles Museum,  
Singapore.*

H. D. Collins, Esq..	Curator, Raffles Museum, Singapore.
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Secretariat (F.A.O.)

*Washington.*

Norris, E. Dodd, Esq..	Director-General.
J. Orr, Esq..	Assistant Secretary General of the International Emergency Food Committee.
M. Veillet-Lavallee, Esq..	Special Assistant to the Director-General.
Dr. J. L. Kask.	Fisheries Division.

*Bangkok.*

Charles L. Coltman, Esq..	Information Officer.
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*Singapore.*

Dr. G. L. Kesteven.	Regional Representative (Fisheries).
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