



INTERNATIONAL ATOMIC ENERGY AGENCY
AGENCE INTERNATIONALE DE L'ENERGIE ATOMIQUE
МЕЖДУНАРОДНОЕ АГЕНТСТВО ПО АТОМНОЙ ЭНЕРГИИ
ORGANISMO INTERNACIONAL DE ENERGIA ATOMICA

VIENNA I, KAERNTNERRING, AUSTRIA
TELEPHONE: 52 45 25, CABLE: INATOM

0/340-29

FILE 033.428(12)
14 JAN 1963
Admin.
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Ocean. <i>GH</i>
T. Sec.
Libr.
Clerk

7 January 1963

Handwritten note:
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...
...

Dear Dr. Humphrey,

Your letter (Ref. 033.428(12)) of 28 November 1962 has been brought to the attention of this Division through Mr. Tait.

We are pleased to learn about your establishment of a working group on "Abstracts and Bibliographies of Use in Marine Sciences". As the project is of interest to this Division, it would be appreciated if you kept us informed on the further developments in this matter. Agency participation in the working group is being considered.

Yours sincerely,

B. Gross

B. Gross
Director
Division of Scientific and
Technical Information

Dr. G. Humphrey
President
Scientific Committee on
Oceanic Research
Box 21, Cronulla
Sydney, Australia

COMUNITA EUROPEA
DELL'ENERGIA ATOMICA

La Commissione
CENTRO COMUNE DI RICERCA



COMMUNAUTE EUROPEENNE
DE L'ENERGIE ATOMIQUE

La Commission
CENTRE COMMUN DE RECHERCHE

EUROPÄISCHE
ATOMGEMEINSCHAFT

Die Kommission
GEMEINSAMES FORSCHUNGSZENTRUM

EURATOM

C C R

ISPRA

(ITALIA)

EUROPESE GEMEENSCHAP
VOOR ATOOMENERGIE

De Commissie
GEMEENSCHAPPELIJK CENTRUM
VOOR ONDERZOEK

CETIS

FILE 033.428(12)
16 JAN 1963
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Ispra, January 9, 1963
MU/gr

Dr. G. F. Humphrey
President,
Scientific Committee on Oceanic Research
International Council of Scientific Unions

Box 21, Cronulla

S Y D N E Y

Dear Dr. Humphrey,

Thank you very much for your letter of November 28, 1962 and for your invitation to join the SCOR working group on "Abstracts and Bibliographies of Use in Marine Sciences".

My superiors have agreed to my participating in the working group and I shall be very glad to help SCOR in any way.

Yours sincerely,

(Dr. K. H. Meyer-Uhlenried)

AQUATIC SCIENCES INFORMATION RETRIEVAL CENTER

TAFT LABORATORY
UNIVERSITY OF RHODE ISLAND
KINGSTON, RHODE ISLAND
U. S. A.

January 17, 1963

FILE 033-428(12)
29 JAN 1963
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Dr. G.F. Humphrey
President, SCOR
C.S.I.R.O.
Box 21
Cronulla, N.S.W.
Australia

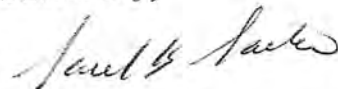
Dear Dr. Humphrey:

I have been doing some preliminary work on the terms of reference indicated for the Working-Group on "Abstracts and Bibliographies of Use in Marine Sciences", and would hope to begin correspondence with the membership soon.

Could you please inform me as to your projected size of the group as well as the names of the individuals you have selected for membership and who have accepted? It seems to me that a relatively small group might perform more efficiently than a large one.

A reply at your early convenience would be appreciated.

Sincerely,



Saul B. Sails
Director

sbs:psg

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Model
Mayer Hahn
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W. Steven
Bealwood

IAEA - Manual later
FAO - Gilt, Alayaz
FID - mid Feb
Unesco - Wooder
ICES - would
WHO -
von Sips

Taft
Holt ✓
Woods

January 17, 1963

Mr. S.J. Holt
The Chief, Fisheries Biology Branch
F.A.O., Viale delle Terme di Caracalla
Rome, Italy

Dear Sidney:

Your letter of 9 January arrived today. Frankly, I'm a bit confused because I, too, have been expectantly waiting for notice of the final membership of the Working-Group. It was my understanding from Dr. Humphrey's initial letter to me as well as from his letters to Dr. Model, Dr. Wooster and Prof. Kort that he would actually select the membership. However, I have not learned who has been suggested by Prof. Kort or Dr. Wooster, nor have I definitely learned whether Dr. Meyer-Uhlenried has yet been invited.

My suggestions for the Working-Group membership at this time include: yourself, a UNESCO representative, a representative from the Soviet Union, Drs. Meyer-Uhlenried, Model, Kesteven and Scattergood. It is my hope that the membership can be rapidly formalized. I will immediately initiate correspondence with the membership upon receipt of Dr. Humphrey's approval.

Sincerely,

Saul B. Salla
Director

sbs:psg

CC: Dr. G.F. Humphrey

Dr. F. Model

Deutsches Hydrographisches Institut

7942b/63 AB
Bei Antworten bitte angeben)

(24a) Hamburg 4, ~~den~~ January, 16th, 1963.
Bernhard-Nocht-Str. 78
Fernruf: 31 11 21
Drahtanschrift: Hydrodienst Hamburg
Fernschreiber: Nr. 021 1350

To the
President of SCOR,
Dr. G. Humphrey,
C.S.I.R.O.,
Box 21, Cronulla,
Sydney,
Australia.

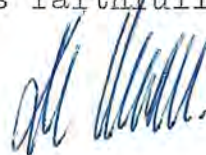
FILE	033.428(12)
22 JAN 1963	Admin.
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Dear Dr Humphrey,

Subject: Working group on "Abstracts and Bibliographies of
Use in Marine Sciences
Ref. : 033.428(12), GFH/DKE, November 28th, 1962

I thank you for nominating me as member of the working group and
am readily willing to participate in this work.

Yours faithfully,



Dr. F. Model

Ref. 033.428(12)
GFH/DKE

January 29, 1963

The Director,
Aquatic Sciences Information Retrieval Center,
Taft Laboratory,
University of Rhode Island,
U.S.A.

Dear Dr Salla,

Several days ago I heard from Dr Meyer-Uhlenried that he is willing to join your group. Dr Model accepted last week but I have not heard from Kort the name of a Soviet scientist; I have written again to him. Dr Kesteven is willing to be a member and I shall write to Dr Scattergood.

IAEA (Mr B. Gross) wishes to be kept informed and will nominate a person soon. FAO will have Holt as their nominee but Akyuz might also participate. FID will give their answer in mid-February. UNESCO has nominated Dr Wooster. I have received no reply from ICES and WMO.

Therefore your group is now Salla (Chairman), Meyer-Uhlenried, Model and Kesteven with Holt and Wooster as nominees of interested organizations. I think also that Gross of IAEA should be included until IAEA gives us their definite nomination. I think you should now start your work with these people. As soon as I hear from Scattergood or from other organizations I shall write again.

With best wishes for 1963.

Yours sincerely,



(G.F. HUMPHREY)
President

Secretary

Dr. G. Bohnecke
34, Neuer Wall
Hamburg 36

President

Dr. G. Humphrey
C.S.I.R.O.
Box 21, Cronulla
Sydney

Cable

SCORSEC
HAMBURG
GERMANY

Ref. 033.428(12)
GFH/DKE

Cable:

CORESEARCH
CRONULLA
AUSTRALIA

Telephone:

34 70 48

January 29, 1963

Telephone:

523 0214

Dr G.L. Kesteven,
Division of Fisheries and Oceanography,
C.S.I.R.O.
P.O. Box 21, Cronulla,
SYDNEY

Dear Dr Kesteven,

At its recent Executive meetings SCOR decided to establish a working group on "Abstracts and Bibliographies of Use in Marine Sciences". This group will have the following terms of reference and any others decided by its Chairman in consultation with me.

1. To state the present position regarding marine abstracts and bibliographies.
2. To state what improvements marine scientists would like.
3. To state how these improvements can be brought into practice.

Dr Saila (Director, Aquatic Sciences Information Retrieval Center, University of Rhode Island, U.S.A.) has agreed to be Chairman and in discussion, he and I have agreed that the working group should also consider the role of information retrieval systems.

I would like you to join the group, not only because of your personal qualifications, but also as a link with your present work. Other scientists who have already accepted are Dr Meyer-Uhlenried (European Commission for Atomic Energy), Dr Model (German Hydrographic Institute). FAO and UNESCO have nominated Mr Holt and Dr Wooster to participate on their behalf.

There will be some preliminary correspondence among the members of the group and other participants and then a meeting, probably in conjunction with a marine laboratory. SCOR would pay your expenses to attend the meeting.

I hope you can help SCOR by arranging to participate in this work and I look forward to your early comments.

Yours sincerely,

George Humphrey

(G.F. HUMPHREY)

President

Ref. 033.428(12)
GFH/DKE

January 29, 1963

Dr L. Scattergood,
Bureau of Commercial Fisheries,
U.S. Fish and Wildlife Service,
734 Jackson Place NW,
WASHINGTON 25, D.C. U.S.A.

Dear Dr Scattergood,

At its recent Executive meetings SCOR decided to establish a working group on "Abstracts and Bibliographies of Use in Marine Sciences". This group will have the following terms of reference and any others decided by its Chairman in consultation with me:

1. To state the present position regarding marine abstracts and bibliographies.
2. To state what improvements marine scientists would like.
3. To state how these improvements can be brought into practice.


Dr Saila (Director, Aquatic Sciences Information Retrieval Center, University of Rhode Island, U.S.A.) has agreed to be Chairman and in discussion, he and I have agreed that the working group should also consider the role of information retrieval systems.

I would like you to join the group, not only because of your personal qualifications, but also as a link with your present work. Other scientists who have already accepted are Dr Meyer-Uhlenried (European Commission for Atomic Energy), Dr Model (German Hydrographic Institute) and Dr Kesteven (C.S.I.R.O. Division of Fisheries and Oceanography, Sydney). FAO and UNESCO have nominated Mr Holt and Dr Wooster to participate on their behalf.

There will be some preliminary correspondence among the members of the group and other participants and then a meeting, probably in conjunction with a marine laboratory. SCOR would pay your expenses to attend the meeting.

I hope you can help SCOR by arranging to participate in this work and I look forward to your early comments.

Yours sincerely,


(G.F. HUMPHREY)
President

Ref. 033.428(12)
GFH/DKE

January 29, 1963

Professor V.G. Kort,
Institute Okeanologii,
USSR Akademia Nauk,
Bachrushina St. 8,
MOSCOW J-127 USSR

Dear Professor Kort,

SCOR WG 12 : ABSTRACTS AND BIBLIOGRAPHIES

This group will soon start its work. I have not received from you the name of a Soviet scientist who can participate. Perhaps my letter of November 2, 1962 did not reach you.

You remember we discussed the question of Soviet participation at our recent Executive meetings. If there is a Soviet scientist who can participate, please send me his name and address. The Chairman of the group is Dr S.B. Sails, Aquatic Sciences Information Retrieval Centre, Rhode Island. Dr Model, German Hydrographic Institute and Dr Meyer-Uhlenried, European Commission for Atomic Energy have accepted membership. FAO and UNESCO have nominated participants.

Yours sincerely,



(G.F. HUMPHREY)
President



SECRETARIAT
GENÈVE – Suisse

Telephone / Téléphone : 34 64 00

Telegrams / Télégrammes : METEOMOND GENÈVE

In reply refer to / Dans la réponse, mentionner
No. 1756/T/OC.3

Please address all replies to the Secretary-General.
Veuillez adresser votre réponse au Secrétaire général.

Annexes :

GENÈVE, 30 January 1963

BY AIRMAIL

Dear Dr. Humphrey,

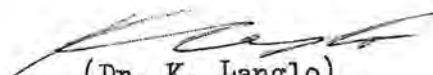
I regret the delay in replying to your letter Ref. 033.428(12) GFH/DKE of November 28, 1962 by which you kindly invited WMO to participate in the work of the SCOR Working Group on "Abstracts and Bibliographies of Use in Marine Sciences". WMO would be glad to assist this Working Group as far as practicable and for this purpose we have nominated, with the approval of the President of WMO, Dr. A. Vandenplas to participate in the work of the group. Dr. Vandenplas' address is as follows :

Institut Royal Météorologique
de Belgique
3, avenue Circulaire
Uccle-Bruxelles 18
Belgium

I note that the work will consist of preliminary discussion by correspondence followed by a meeting, probably in conjunction with a marine laboratory. It is not possible at this stage to say whether we will be able to send Dr. Vandenplas to this planned meeting but this question will be considered in due course. By a copy of this letter I am informing Dr. Vandenplas of his nomination and I presume he will hear further from you with regard to the work of the group.

Thank you again for inviting WMO to assist SCOR in this matter.

Yours sincerely,


(Dr. K. Langlo)
for Secretary-General

Dr. G. F. Humphrey
President of SCOR
C.S.I.R.O.
Box 21, Cronulla
S y d n e y

Australia

cc : Dr. A. Vandenplas
Dr. G. Böhnecke, Secretary of SCOR

Ref. 033.428(12)
GFH/IKB

February 5, 1963

Dr A. Vandenplas,
Institute of Royal Meteorology,
3, Avenue Circulaire,
Uccle-Bruxelles 18,
BELGIUM

Dear Dr Vandenplas,

In answer to our request, Dr Langlo has told me that subject to the approval of the President of WMO you have been nominated to participate in our Working Group No. 12 on "Abstracts and Bibliographies of Use in Marine Sciences". I am very glad to know this and I shall inform Dr Sails, Aquatic Sciences Information Retrieval Center, University of Rhode Island, who is Chairman of the group.

Dr Sails will write to you soon about the activities which will be undertaken.

Yours sincerely,



(G.F. HUMPHREY)
President

Copy to Dr Langlo
Dr Sails



ADDRESS ONLY THE DIRECTOR,
BUREAU OF COMMERCIAL FISHERIES

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
BUREAU OF COMMERCIAL FISHERIES
WASHINGTON 25, D. C.

File 550

Airmail

February 8, 1963

Dr. George F. Humphrey, President
International Council of Scientific Unions
Box 21, Cronulla
Sydney, Australia

Dear Dr. Humphrey:

Thank you for the invitation to join the SCOR working group on Abstracts and Bibliographies of Use in Marine Sciences. I accept the offer, with the hope that my services will be beneficial to the group.

The three terms of reference are particularly pertinent to the scientific information problem, which is rapidly becoming more serious, yet, surprisingly enough, is of concern to relatively few scientists. In an effort to alleviate the problem in the fields of fishery and marine sciences, the Bureau of Commercial Fisheries and FAO, have assisted Dr. Saila's project, which we feel provides a means of partial solution. We are pleased to learn that Dr. Saila will be the Chairman of the group.

Sincerely yours,

Leslie W. Scattergood
Chief, Branch of Reports

FILE 033-1028(12)
13 FEB 1963
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Your ref. 550

Ref. 033.428(12)
CPH/DEK

February 13, 1963


Dr L.W. Scattergood,
Chief, Branch of Reports,
Bureau of Commercial Fisheries,
U.S. Fish & Wildlife Service,
WASHINGTON 25, D.C. U.S.A.

Dear Dr Scattergood,

Thank you for your prompt reply about membership in the SCOR WG on "Abstracts and Bibliographies of Use in Marine Sciences". I am very glad indeed that you will be able to help.

I shall let Dr Salla know that you have accepted membership.

Yours sincerely,


(G.F. HUMPHREY)
President

Copy to Dr Salla

C/- C.S.I.R.O. MARINE LABORATORY,
BOX 21, CRONULLA, SYDNEY,
AUSTRALIA

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033.428(12)
GLK/AM

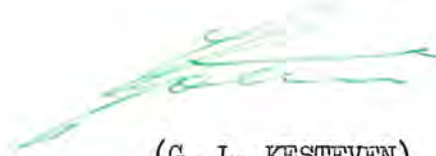
February 15, 1963

Dr G. F. Humphrey,
Division of Fisheries and Oceanography,
C.S.I.R.O.,
P.O. Box 21,
CRONULLA.

Dear Dr Humphrey,

Thank you for your letter of January 29 concerning SCOR working group on "Abstracts and Bibliographies of Use in Marine Sciences". I should be glad to accept your invitation to join this group and to assist in whatever way I can.

Yours sincerely,



(G. L. KESTEVEN)
Assistant Chief (Fisheries)

File : 033.428(12)

Your Ref: 9.P.2

Our Ref : 033.425(47)
GFH:CW

February 18, 1963

The Secretary General,
Bureau du Conseil International pour l'Exploration
de la Mer,

Charlottenlund Slot,
Charlottenlund,
DANEMARK.


Dear Dr Fridriksson,

Thank you for your letter of February 12.

Although we shall discuss the Second International Oceanographic Congress at our meeting in April, it will be mainly from the viewpoint of place. Once we have found a host country we shall leave the agenda largely to the local committee.

The date and place of the meeting of WG 12 on Abstracts, etc. will be decided by the Chairman, Dr Sella. He will inform you as soon as he decides.

Yours sincerely,


(G.F. HUMPHREY)
President

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DATE: February 26, 1963

TO: Members, SCOR Working-Group on "Abstracts and Bibliographies of Use in Marine Sciences"

FROM: Saul B. Saila, Chairman
 Aquatic Sciences Information Retrieval Center
 University of Rhode Island
 Kingston, Rhode Island, U.S.A.

It is a signal honor to have been appointed chairman of this working-group and sincere thanks are extended to those of you who have consented to membership by both Dr. Humphrey and myself. Although the complete membership is not yet final, it seems appropriate to initiate correspondence with you at this time. You will be informed of the completed membership as soon as possible.

At present this group has the following terms of reference as indicated by Dr. Humphrey:

1. To state the present position regarding marine abstracts and bibliographies.
2. To state what improvements marine scientists would like.
3. To state what improvements can be brought into practice.

These are believed to be adequate for the purposes at hand, but your comments and suggestions for further items are invited.

It does not seem reasonable to me to conduct any kind of an opinion poll regarding these reference terms from marine scientists at large. It does, however, seem rational to ask each committee member to address himself to those questions and problems he is most familiar with and views as most significant. It is appreciated that a broad class of problems are involved, but many of you have had considerable experience. It is hoped that your comments may be collated and circulated for further study. This is a possible mechanism for defining the limits of a later group discussion. May I have your comments within one month of the receipt of this letter?


The overall aims of this group are viewed as being consonant with the long-term policy of FID. It is suggested that each member be familiar with FID Publ. 325 "Outline of a Long-Term Policy," January 1960, as well as the "Final Report of the International Advisory Commission on Bibliography, Documentation and Terminology of UNESCO."

Tentatively, a meeting of the working-group is contemplated for some time during the forthcoming summer at Rome. Group discussion of relevant problems would be held after which a formal report would be prepared.

I have prepared a list of problems and some of my opinions and suggestions but would prefer to hold them in abeyance until I hear from each of you.

If these tentative plans seem unreasonable or unrealistic, please let me know at your early convenience.

The current list of memberships and interested groups or individuals is as follows:

- Dr. F. Model
Deutsches Hydrographisches Institut
Bernhard-Nocht-Strasse 78
Hamburg 4, Germany
- Dr. W.S. Wooster
Office of Oceanography
UNESCO
Place de Fontenoy
Paris 7, France
- Dr. A. Vandenplas
Institute of Royal Meteorology
3 Avenue Circulaire
Uccle-Bruxelles 18, Belgium
- Mr. S.J. Holt, Chief
Fisheries Biology Branch
FAO, Viale delle Terme di Caracalla
Rome, Italy
- Dr. K.H. Meyer-Uhlenried
Centre de Traitement de l'Information Scientifique
Group Documentation Automatique
EURATOM, Centre Commun. de Resherche
Casella Postales No. 1
Ispra (Varese), Italy
- Dr. Vladimir Kort
Institute Okeanologii USSR
Akademia NAUK
Lujnikovskaya 8
Moscow 127, Russia USSR
(will nominate a person soon) 
- Dr. L. Scattergood
U.S. Fish and Wildlife Service
Bureau of Commercial Fisheries
Washington 25, D.C.
U.S.A.
- Mr. B. Gross
International Atomic Energy Agency
Karntnerring 11
Vienna, Austria
(will nominate a person soon)

FEDERATION INTERNATIONALE DE DOCUMENTATION (FID)

SECRETARIAT GENERAL

7, Hofweg - La Haye, Pays-Bas

Téléphone: (0 70) 18 00 81 - Télégrammes: FIDOC - La Haye C.C.P.: 51 38 26 - Banque: Hollandsche Bank-Unie, La Haye

Dr. G. Humphrey
President
C.S.I.R.O.
Box 21, Cronulla
SYDNEY
Australia

V / réf.

V / lettre du

N / réf.

La Haye

vdB/t

28 February 1963

Objet: Abstracting in Marine Sciences

Dear Dr. Humphrey,

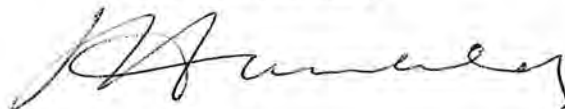
We have the honour to inform you that the Council/Bureau of our Federation met recently at The Hague and welcomed your invitation to appoint a representative to the Working Group of SCOR for "Abstracts and Bibliographies of use in Marine Sciences".

Our US National Committee will soon designate a US representative who may attend the first meeting of the Working Group.

As the Working Group may also have meetings in Europe, it was decided that a European representative should be appointed in addition. Suggestions were made but no final name has as yet come forward.

We shall greatly appreciate it if you could keep us currently informed about the Working Group and in particular if you could inform us of the date, place and agenda of the first meeting.

Yours sincerely,



J.E. Humblet,
Secretary General.

Cc.: Dr. Adkinson (President)
Dr. Heumann (US National Committee)

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Ocean <i>GH</i>
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Ref. 033.425(12)
GPH/IKB

The Secretary General,
Federation Internationale de Documentation,
7, Hofweg,
La Haye,
NETHERLANDS HOLLAND

Dear Mr Humblet,

WG ON "ABSTRACTS AND BIBLIOGRAPHIES OF USE IN
MARINE SCIENCES"

Thank you for your letter of February 28 saying you wish
to be kept informed of activities.

Dr Salla (Chairman) will keep you informed and tell you
the date, place and agenda of the meeting as soon as he has
made arrangements.

Yours sincerely,



(G.F. HUMPHREY)
President

Copy to Dr Salla

FILE 033.428(12)
5 APR 1963
Adm'n.
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T. Sec.
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NS/9/12E.

1st April, 1963.

Dear Dr. Salla,

I have given some thought to your memo of 26th February concerning the work of the SCOR Working Group on Abstracts and Bibliographies of use in Marine Sciences. We have urged the establishment of this Working Group, because of our need for advice from SCOR on how best to contribute to a solution of this important and complicated problem.

One of the first difficulties is to limit the field to a reasonable size. If a broad working definition of oceanography is used, the scientist needs access to nearly the entire literature of modern science. On the other hand, it might be considered that the peripheral information required, that in the various aspects of basic science, is adequately available through the classical sources - i.e., physical, chemical and biological abstracts. From this point of view, it would seem reasonable to restrict the enquiry to the literature directly relating to studies of the ocean, its contents and boundaries, and the application of such studies to practical problems.

Another difficulty is that of arousing the body of marine scientists to a recognition of the importance of the problem and obtaining from them a statement of their desires, and ultimately an agreement on the steps to be taken. By and large, most oceanographers have treated such matters with indifference, even when they admit the present situation is unsatisfactory.

What was already a chaotic situation was further complicated by the entry of "Deep Sea Research" into the field. To the presently available listings of new publications - the Woods Hole list and those of the "Deutsche Hydrographische Zeitschrift" and the French "Cahiers Oceanographiques" - is added what amounts to an organized but tardy version of the Woods Hole list. As for the DSR reviews, it is not yet apparent how they are selected or written, but then the DSR approach to this problem seems to be more preemptive than constructive.

Mr. S.B. Salla,
 Chairman,
 Aquatic Sciences Information Retrieval Center,
 University of Rhode Island,
 KINGSTON, Rhode Island, U S A.

cc. G. Humphrey.

It may be that there is no problem in the USSR, with the various sections of their "Referatsionni Zhurnal". For the rest of us, the ultimate solution may be to transform as necessary the "Current Bibliography of Aquatic Science and Fisheries" - it is my impression that the majority of academic oceanographers do not now use it, either because they don't know it or because it doesn't meet their needs. I hope your Working Group will be able to find out why CBASF isn't more used, and what can be done about it.

In closing, I assure you of our great interest in the problem and our willingness to cooperate in the activities of the Working Group. We look forward to further correspondence with you on this matter.

Sincerely,

Warren S. Wooster.

GFH/DKE

Ref. 033.428(12)

April 26, 1963

Dr S.B. Salla,
Aquatic Sciences Information Retrieval Center,
Taft Laboratory,
University of Rhode Island,
RHODE ISLAND U.S.A.

Dear Dr Salla,

I had some conversations recently with Mr Holt in Rome and we wondered if your meeting place would be better at a laboratory rather than at F.A.O. This would give you the chance to hear the opinions of local marine scientists in more fields than those represented by the members of your group. I think also that one or two non-local marine scientists could be brought along for the meeting. Mr Holt will probably write to you about our discussions.

I notice from your circular of February 26 that you did not include Dr Kesteven in your list of members. Also Mr Humblet could be included as a representative of FID until they take their final decision. Professor Kort could give me no information on the name of a Soviet scientist, so I think it is best to adopt the course you have already followed, i.e. include the name of Professor Kort as a member.

Yours sincerely,



(G.F. HUMPHREY)
PRESIDENT

COPY


033.428(12)

SCOR Working Group on Bibliographies

I believe you are on Saila's SCOR Working Group on Bibliographies etc. Saila wanted the Group to meet in Rome, but after discussion with George I agreed that somewhere accessible to oceanographic and fisheries laboratories would be useful. We thought of Plymouth - at least for the first meeting - then NIO, Lowestoft and Aberdeen can also send people who are interested in such matters. Perhaps a second meeting, if one is necessary, could be held in Rome, or alternatively Rhode Island itself would be a good location. You would be amused to see the setup there with an atmosphere much like that of our Branch, especially in its earlier and smaller years. George thought you would be coming to the Whaling Commission Meeting. I shall be there, as also will be Judy and the children, and we shall drive back to Rome, in case you are interested to make the return trip, but perhaps your last experience put you off long car trips with the Holts!

From: Mr S.J. Holt,
Chief,
Fisheries Biology Branch,
F.A.O.

Original on 033.222



FEDERATION INTERNATIONALE DE DOCUMENTATION (FID)

SECRETARIAT GENERAL

FILE 033-428(7) Hofweg - La Haye, Pays-Bas
4 JUN 1963

Admin.
Fish.
Ocean <i>gb</i>
T. Sec.
Libr
Clerk

Dr. G. Humphrey
President ICSU, Special Committee on
Oceanic Research
c/o C.S.I.R.O.
Box 21, Cronulla
SYDNEY
Australia

V/réf.

V/lettre du

N/réf.

La Haye

Objet:

vdB/AG

31 May 1963

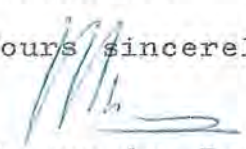
Dear Dr. Humphrey,

We have the honour to inform you that the Council/Bureau of our Federation has appointed Dr. Model as FID representative in the Working Group on Abstracts and Bibliographies of use in Marine Sciences.

Dr. Model's address is:
Deutsches Hydrographisches Institut
Bernhard-Nocht-Strasse 78
Hamburg
Germany

Dr. Model is a close collaborator of FID and we hope that our participation will be helpful to the Committee's deliberations.

Yours sincerely,


W. van der Brugghen
Adm. Secretary

GPH/DKE

Ref. 033.428(12)

June 4, 1963

The Administrative Secretary,
Federation Internationale De Documentation,
7, Hofweg,
The Hague,
NETHERLANDS HOLLAND

Dear Mr van der Brugghen,

Thank you for your letter of May 31 informing me that Dr Model will be your representative on SCOR WG 12 on "Abstracts and Bibliographies of use in Marine Sciences".

Dr Model is already a member of the group on behalf of SCOR and is therefore fully informed.

Yours sincerely,



(G.F. HUMPHREY)
President

Copy to Dr Salla

FILE
19 AUG 1963

Dat July 26, 1963

To: Members, SCOR Working Group in "Abstracts and Bibliographies of Use
in Marine Sciences."

From: Saul B. Salla, Chairman
Aquatic Sciences Information Retrieval Center
University of Rhode Island
Kingston, Rhode Island, U. S. A.

ADMIN.
CLERK
EDITOR
[initials]
P. O.
LIB.
OCEAN
SEC.

Tentative arrangements have been made for a meeting of this Working-Group at Plymouth, England, during Nov. 11, 12, 13, 1963. Dr. F. S. Russell, Director, the Plymouth Laboratory of the Marine Biological Association of the United Kingdom, has kindly consented to provide meeting space at his laboratory. It seems appropriate to hold our meeting at a large laboratory in order to take advantage of the views and opinions of its scientific staff as well as becoming conversant with some of its library problems. This site is accessible to scientists from several nearby laboratories, and our Group has no membership from the United Kingdom. Dr. Russell's experience as Editor of one of the annual review volumes for marine biology is also relevant to our terms of reference. The above are submitted as justification for changing the site from Rome to Plymouth, England.

Please inform me as soon as possible regarding the acceptability of the above-mentioned plans. The difficulties in finding a suitable time for everyone are formidable. Your cooperation in attempting to firmly establish a meeting site and dates would be appreciated.

Some progress in terms of informal discussions of our terms of reference can be reported. Dr. G. L. Kesteven, C.S.I.R.O. Marine Laboratory, Cronulla, Australia, recently concluded a brief visit to Rhode Island and implemented the decision to hold a meeting as soon as possible. Incidentally, Dr. Kesteven's name was inadvertently omitted from membership in the original circular letter. Dr. F. Model will visit our facilities in Rhode Island during early September as further preparation for the meeting.

The response to the initial letter regarding your views on our terms of reference was disappointing. Some of the specific suggestions made included: (1) Efforts to define carefully and limit the field for oceanographic abstracts and bibliographies (2) Attempts to make working scientists aware of the current problem and the lack of coordination now existant. (3) Problems in duplication of efforts (4) Language problems (5) Time lags and up-dating procedures for abstracts and bibliographies (6) Editing and publication policies (7) Training scientists in use of bibliographic tools.

Provisional reservations for hotel accomodations have already been made. However, it would be desirable to obtain from each of you your travel plans and exact dates of stay in order that your specific requirements may be resolved.

Saul B. Salla
Saul B. Salla

BUREAU DU
CONSEIL INTERNATIONAL
DE L'EXPLORATION DE LA MER

CHARLOTTENLUND SLOT, CHARLOTTENLUND, DANEMARK

Adresse Télégraphique:
MEREXPLORATION, COPENHAGUE

Téléphone:
HEL RUP 1865 · HEL RUP 8686 (Secrétaire Général)

Votre réf.:

Notre réf.: p.P.2.

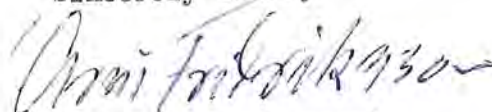
Date: 31st July 1963

Au sujet:

Dear Dr. Humphrey,

With reference to your letter of November 28th, 1962,
concerning a working group on Bibliographies etc., I have the pleasure
of sending you enclosed a copy of my letter to Dr. Saila, who is Chairman
of the Group.

Sincerely Yours,



(Arni Fridriksson)

Secretary General

FILE 033-428(12)
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Clerk

Dr. G. Humphrey

C.S.I.R.O.,

Box 21, Cronulla,
Sydney, Australia.

cc Dr. G.F.Humphrey

31st July 1963

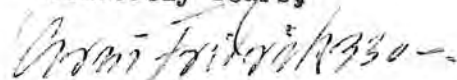
Dear Dr. Saila,

In a letter dated November 28th, 1962, the President of SCOR Dr. G.F.Humphrey, informed this Council that SCOR had decided to establish a working group on "Abstracts and Bibliographies of Use in Marine Sciences" and that you had agreed to act as chairman of the group.

At their meeting in May 1963 the Bureau of this Council considered the possibility of being represented on the group. Would you please inform me whether the group has been completed and has started work and whether a meeting has been planned.

It is possible that Dr. Harden Jones, the Editor of the ICES' Journal du Conseil, will act as the Council's representative. When I have your reply I will contact him.

Sincerely Yours,



(Arni Fridriksson)
Secretary General

Dr. Saila, Director,
Aquatic Sciences, Information
Retrieval Center,
University of Rhode Island,
Rhode Island, U.S.A.

Ref. 033.428(12)

August 2, 1963

Dr S.B. Saila,
Chairman
Aquatic Sciences Information Retrieval Center,
University of Rhode Island,
KINGSTON, RHODE ISLAND, U.S.A.

Dear Dr Saila,

The suggestions in your circular of July 26 seem good to me.

I shall almost certainly be in England at the time and if there is space at the meeting I would like to attend. I shall probably leave Sydney on October 22, spend 2-3 days in San Francisco, attend meetings in Paris from October 27 - November 2 or 4 and then as time permits go to Hamburg, Leningrad and London until a meeting in Vienna on November 22 or 26 to 29, returning to Sydney about November 31.

Yours sincerely,



(G.F. HUMPHREY)
President

AQUATIC SCIENCES INFORMATION RETRIEVAL CENTER

TAFT LABORATORY
UNIVERSITY OF RHODE ISLAND
KINGSTON, RHODE ISLAND
U. S. A.

August 15, 1963'

FILE 033.428(12)
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SEC.

Mr. Arni Fredriksson, Secretary General
Council International pour l'Exploration de la Mer
Charlottenlund Slot
Charlottenlund, Denmark

Dear Sir:

Reference is made to your letter dated 31st July, 1963,
regarding the SCOR working group on "Abstracts and Bibliographies of Use
in Marine Sciences".

I have made tentative arrangements for a meeting of the
Working Group for November 11, 12, and 13, 1963, at the Laboratory,
Marine Biological Association of the United Kingdom, Plymouth, England.
One of the reasons this site was chosen is to obtain comments and
suggestions from working scientists in the area. Dr. Harden Jones, Editor
of ICES Journal de Conseil is cordially invited to attend this meeting.
I will send him copies of the communications to membership as well as a
copy of this letter.

Sincerely,

Saul B. Saila
Director

sbs:geb

cc: Dr. Harden Jones
Dr. G.F. Humphrey

GLK/AM

033.428(12)

August 21, 1963

Dr S. B. Saila,
Director,
Aquatic Sciences Information Retrieval Center,
Taft Laboratory,
University of Rhode Island,
KINGSTON. RHODE ISLAND.

Dear Dr Saila,

I can see no possibility of my attending the working group meeting at Plymouth in November. However, since Dr Humphrey will be able to attend the meeting, I will endeavour to give him a brief setting out my views on matters that will be before the group, and it would be helpful to me if I could have from you either the agenda or some notes on what you expect to discuss.

Yours sincerely,



(G. L. KESTEVEN)
Assistant Chief of Division

DATE: September 18, 1963

TO: Members and Collaborators, SCOR Working Group on "Abstracts and Bibliographies of Use in Marine Sciences:

FROM: Saul B. Saila, Chairman
Aquatic Sciences Information Retrieval Center
University of Rhode Island
Kingston, Rhode Island, U.S.N.

It has just come to my attention that neither Mr. Holt nor any representative of the FAO Fisheries Division will be able to attend the scheduled Working-group meeting from November 11-13 at Plymouth, England. Dr. Kesteven will not be able to attend at this time either.

In view of the potentially significant contribution of these people to the meeting and the relatively small membership, your chairman has decided to postpone the meeting of Nov. 11-13. The dates, December 9-11, 1963, inclusive, are suggested as a reasonable alternative, if they are acceptable to the membership and others concerned.

The inconvenience caused by this postponement is regretted, but it is believed to be in the best interests of our Working-group. Again, you are urged to indicate to me in writing whether these dates and the same location are acceptable.



Saul B. Saila

sbs:geb

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Ref. ZA22/12

September 24, 1963

Dr S.B. Saila,
Aquatic Sciences Information Center,
Taft Laboratory,
University of Rhode Island,
KINGSTON, R.I. U.S.A.

Dear Dr Saila,

Thank you for sending a copy of your circular about the proposed change in dates for the WG meeting.

There is a possibility that I could attend at that time although it would suit me better any time the week before. I think the dates should not be influenced by my movements but should be set to suit the members of the group.

Please let me know as soon as you have taken a decision. It seems I shall leave Australia on October 19, the best address from then until November 4 being c/- Dr Fedorov, Office of Oceanography, UNESCO, Paris and from then until November 14 c/- Mr Holt, FAO, Rome, and from then c/- ASLO, Africa House, Kingsway, London W.C.2. This last address is a good central one at all times I am away because it is the C.S.I.R.O. London office and has a record of my exact movements.

Yours sincerely,



(G.F. HUMPHREY)
President

place de Fontenoy
Paris-7^e



téléphone : SUffren 98-70,
SUffren 86-00, SOLferino 99-48
télégraphe : UnescoParis
telex : 27602 Paris

in your reply, please refer to :
en répondant, veuillez rappeler :

n° NS/9/12

FOR INFORMATION

united nations educational, scientific and cultural organization
organisation des nations unies pour l'éducation, la science et la culture

FILE ZA 22/12
14 OCT 1963
ADMIN.
CLERK
EDITOR
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SEC.

7 October 1963

Dear Dr. Saila,

Your circular letter of 18 September was addressed to Dr. Wooster who is now back to Scripps Institution of Oceanography. I sent him a copy of your circular and he suggested that since his membership on the SCOR Working Group on Abstracts and Bibliography was ex officio, as of the Director of this Office of Oceanography, I should inform you that now it is my duty to represent Unesco on this Group.

In doing so I should like to inform you that the date and place suggested (9-11 December 1963, Plymouth) are acceptable to me.

Looking forward to meeting you there,

Yours sincerely,

K.N. Fedorov
Director
Office of Oceanography

Dr. Saul B. Saila,
Chairman
Aquatic Sciences Information Retrieval Center
University of Rhode Island
Kingston, Rhode Island

cc. Dr. Humphrey
Dr. Böhnecke

DATE: October 22, 1963

TO: Members and Collaborators, SCOR Working-Group on Abstracts and Bibliographies of Use in Marine Sciences

FROM: Saul B. Saila, Chairman
Aquatic Sciences Information Retrieval Center
University of Rhode Island
Kingston, Rhode Island, U.S.A.

This is to inform you that the SCOR Working-Group will definitely meet on December 9-11, 1963, inclusive at Plymouth, England. Our meeting will be held at the Laboratory, Marine Biological Association of the United Kingdom, Citadel Hill, Plymouth, through the courtesy of Dr. F.S. Russell, Director.

The most suitable airport is London, and there are trains running from Paddington Station, London, every two hours beginning at 8:30 a.m. on weekdays with a limited service on Sundays. The journey from London to Plymouth takes approximately 4-1/2 hrs.

Provisional hotel accommodations will be made for you for the period December 8th to 12th.

Saul B. Saila

sbs:geb

Send this copy to Dr. Russell

FILE	ZA22/12
	28 OCT 1963
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Provisional Agenda

SCOR Working-Group on "Abstracts and Bibliographies of Use in Marine Sciences"

I. Introduction

Terms of Reference
Objectives and Organization of Meeting
Report - rapporteur
Scope of oceanographic (marine science) abstracts and bibliographies

II. General comments and suggestions of participants

III. Suggested items for consideration

1. Abstracts -
definitions, value, existing services
guidelines for abstract preparation
2. Titles -
relation to permuted title indices, symbols
3. Bibliographies and bibliographic services
4. Dissemination guides for abstracts and bibliographies
5. Scientific conference proceedings
6. Language problems
7. Duplication of effort
8. Editing and publication
9. Training in use of bibliographic tools
10. Mechanization
11. Coordination of effort

DATE: October 22, 1963

TO: Members and Collaborators, SCOR Working-Group on Abstracts and Bibliographies of Use in Marine Sciences

FROM: Saul B. Saila, Chairman
Aquatic Sciences Information Retrieval Center
University of Rhode Island
Kingston, Rhode Island, U.S.A.

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Provisional hotel accommodations will be made for you for the period December 8th to 12th.

Saul B. Saila

sbs:geb

Send this to the office

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	28 OCT 1963
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FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS

Via delle Terme di Caracalla ROME

Cables: FOODAGRI ROME

Telax: 81181 FOODAGRI

Telephone: 5797

Ref. YI-7/1

COPY FOR INFORMATION OF:

DR. G. HUMPHREY

Dear Madame Furgel,

NOV. 21 1983

Thank you very much for your letter of the 23rd October concerning the presentation of materials in the marine environment, with particular reference to documentation in this field.

I am sorry for the delay in replying. This is partly because we are in the midst of our Biennial Conference, but also because I wish to discuss the implications of your proposals with my colleagues here, and also with scientists attending the Conference, as well as to study carefully the ways in which we might collaborate with you.

First of all I should say we would be extremely interested to see your compilation of data from testing stations, when it is published. We hope very much you will continue to keep us informed of your work along these lines.

Our reactions to the proposal from the French Delegation that an abstracting service should be set up to cover documentation on biological fouling and corrosion is that we believe it will be better if such a service were provided within a more general service, and in collaboration with the other bodies and institutions concerned with documentation in the marine sciences generally. For example, literature on your subject is annotated in the Current Bibliography for Aquatic Sciences and Fisheries, which, of course, is the basic list for the University of Rhode Island Centre. Informative abstracts for the biological literature would be contained in various biological abstracting services, and the Current Bibliography for Aquatic Sciences and Fisheries gives a guide to the location of these abstracts.

We would be happy to participate in your proposed meeting, but it seems to me it would also be very useful if you, or other representatives of your Group, could attend the meeting of the Working Group on Marine Science Abstracts and Bibliographies of the Scientific Committee on Oceanic Research, which will be held in Plymouth, England from the 9 - 10 December, under the leadership of Professor H. Salla, the Head of the Aquatic Sciences Information Retrieval Centre. I have spoken to Dr. G. Humphrey of Australia who has been

Madame J. Furgel
Head of the Section "Cooperation in Research"
O.S.C.D.
2 rue André-Pascal
Paris 16^{ème}
France

attending our Conference here about this. He is President of the Scientific Committee on Oceanic Research and believes that it would be a very good idea if you could come along to the Working Group meeting. I am sending a copy of this letter to him, as well as to Dr. Sailsa, who will thereby be informed of this suggestion.

It would then be possible at that Working Group Meeting to consider biological fouling and corrosion in the context of marine research generally.

It may be that Dr. Sailsa himself will be in Europe at the time of your meeting, so that he might be able to attend, as well as someone from FAO.

Although, as I said in principle the Current Bibliography covers your subject, or at least the biological aspects of it, we would certainly not pretend to be comprehensive in this field. If, as the French proposal suggested, a fulltime documentalist were to be employed for this work, it might well be a good idea for that specialist to contribute material for publication in the Current Bibliography, and to assist in the indexing of the Bibliography. When we meet I could explain in more detail how we work, but in principle, although we annotate the majority of references ourselves in Rome, we have many collaborators throughout the world, who also contribute material, and there are a few who undertake specialised indexing tasks.

I hope you will understand that I am making these suggestions not because we are trying to build up the Current Bibliography in any special way, but simply because we have been working extremely hard to try to co-ordinate bibliographic efforts in the whole field, and have the impression from our consultations over many years with the scientists concerned that a single reference source is necessary and that this would avoid much unnecessary duplication.

Incidentally, your letter of the 29th October did not include copy of the translation of the note concerning the German service. I should be very interested to see that.

Yours sincerely,

S.J. Holt
Chief, Fisheries Biology Branch

AQUATIC SCIENCES INFORMATION RETRIEVAL CENTER

TAFT LABORATORY
UNIVERSITY OF RHODE ISLAND

KINGSTON, RHODE ISLAND 02881
U. S. A.

December 23, 1963

Dr. G. Humphrey, President
SCOR
C.S.I.R.O.
Box 21 Cronella
Sidney, Australia

FILE Z172/12/
30 DEC 1963
ADMIN.
CLERK
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R/S rec 3/15/1964

Dear Dr. Humphrey:

On behalf of the entire Working-Group I would like to thank you for your contributions to our meeting. Although we appeared to start slowly, it seems to me that the outcome was worthwhile.

Copies of the recommendations resulting from the meeting are enclosed. I regret the delay, but a death in my family as well as the loss of our secretary through illness, have contributed to this condition.

A narrative type report of our meeting will be forthcoming. It is my plan to send copies of this report, as well as the recommendations, to each of the Working-Group participants if there are no objections on your behalf.

Sincerely,

Saul Sailer

Saul D. Sailer
Chairman
SCOR Working-Group on Abstracts
and Bibliographies of use in Marine
Sciences.

*Please excuse the poor typing, but it cannot
be avoided at present. I did feel it was important
to make the recommendations available at the earliest
opportunity.*

Recommendations

- (1) That UNESCO and FAO be requested jointly to assess the value, costs and practical problems of arranging for a service which would regularly and promptly bring to the attention of marine scientists the contents of a selected group of relevant journals (and of symposium proceedings and review volumes) in the field. To this end it is recommended that a pilot operation be initiated, involving preparation and distribution to specialized libraries of a limited number of copies of a model of such a document, using a list of "core" journals based on preliminary lists, which will be provided, through the Chairman of the Working-Group, by the participants in the first meeting of the Working-Group. It is further recommended that the practicability of such a journal content service being issued as a supplement to existing periodicals, specifically the "Current Bibliography for Aquatic Sciences and Fisheries" or the "International Marine Science" newsletter be carefully considered.

Analysis

(2) The Working-Group concluded that as a basis for obtaining more facts about the present position regarding abstracts in marine sciences so that desirable improvements can be specified, as well as for its intrinsic value as a bibliographic tool, it is necessary to have prepared a single current inventory of all documents being produced in this field. The Working-Group determined that, among them, five services, all of which apart from the delimitation of their subject coverage within the whole field, are unselective and cover the field comprehensively, or nearly so. These are:

- a) The "Current Bibliography for Aquatic Sciences and Fisheries",
- b) The cards of the Deutches Hydrographisches Institut
- c) "Meteorological and Geostrophysical Titles",
- d) Certain sections of the "Referativny Zhurnal",
- e) Certain sections of "Bulletin Signaletique".

Of these virtually all entries in c) and d) in the field of physical oceanography are entered in b). Item e) is searched and relevant references are partially incorporated at least in a) and b). Items a) and c) are currently in machine readable form. Items a),c),d), and e) are published, and b) can be made available in small numbers. A comprehensive inventory for the entire field could be made by combining a) and b) and eliminating their overlap in physical oceanography. This could be done on a trial basis manually, but for continuing operations it would be necessary to use automatic data processing equipment for efficient merging and elimination of duplication. It is, therefore, most desirable that the material for b) should be put into machine readable form, preferably including the back issues. Then the merging and checking could be done at one place, with suitable facilities and experience. It is suggested that the Aquatic Sciences Information Retrieval Center at Rhode Island is the appropriate place, especially as it already has all the material for a), has the necessary data processing equipment and has experienced staff.

(2) Recommendations:

From the above analysis the Working-Group recommends to SCOR that it:

- A) Inform the German National Committee for SCOR of the Working-Group's opinion that the bibliographic work of the Deutches Hydrographisches Institut is of great international^{al} importance, that this work will be enhanced if it can be combined with that of the other national and international^{al} activities to which we have referred and urge that facilities be provided at the Deutches Hydrographisches Institut for putting their material into machine-readable form.
- B) Ask the UNESCO Office of Oceanography to take steps to have the relevant sections of "Referativny Zhurnal" made available to the compilers of the Current Bibliography for Aquatic Services and Fisheries and to inquire as to the plans of the U.S.S.R. Institute of Scientific Information for using machine methods in the preparation of the Referativny Zhurnal.
- C) Ask the U.S. National Committee for SCOR to take steps to facilitate collaboration between the Aquatic Services Information Retrieval Center and the American Meteorological Society with a view to exchange between them of material for physical oceanography in machine-readable form and use of compatible codes and indexes so that relevant references, with cross references and abstracts from Meteorological and Geostrophysical Titles can be added automatically to the consolidated inventory at ASIRC.
- D) Request the four units a), b), c), and d) to compare their coverage in marine sciences with that of "Bulletin Signaletique" and arrange for the Working-Group to be put in possession of information about the methods used to prepare the "Bulletin Signaletique"/
- E) Draw the attention of relevant financing bodies to the special role of ASIRC to insure that it has the necessary funds to undertake the tasks for which it has shown itself fully competent.

(3) Analysis

The Working-Group is considering under its terms of reference, which refer to abstracts and bibliographies, problems of retrieval only of relevant scientific literature. It believes, however, that closely related problems are on the one hand, of retrieving information about the current, as yet unpublished work of scientists and activities of institutions, and on the other hand of exchange, storage and retrieval of data. A fully satisfactory system of scientific communication in a subject field would cover all three elements and link them, while recognizing that working scientists obtain much of their knowledge about what research is going on, and is published by other means than by using data centers, libraries and information centers. These other means include reprint exchange, personal contacts, attendance at symposia, etc.

The Working-Group agreed that while data storage and retrieval, and literature storage and retrieval were not the same thing, data centers depend to some extent on the availability of indexed literature lists, and that the forms of reference to literature and its data items and the indexing codes should be at least compatible and preferably identical, and that rules for these should be developed jointly.

Recommendations:

From the above analysis the Working-Group recommends to SCOR that it:

- A) Draw the attention of data centers and especially the World Data Centers A and B (Oceanography) to the above opinion.
- B) Request the UNESCO Office of Oceanography to inform the forthcoming meeting of the IOC Working-Group on Data Exchange of the above opinion.

(4) Analysis

The Working-Group was not in a position to say for what proportion of the references in a comprehensive list informative abstracts and/or author's synopses were available, what overlays and duplication there might be; how much if any such duplication was necessary, or undesirable, or how much existed because different abstracting periodicals are oriented to different types of readership; how many references are not abstracted and why; and which of these marine scientists think should be abstracted. It was agreed that informative abstracts are useful for several reasons. They may provide in effect a partial translation service, they may confirm a scientist's wish to see the original paper, after he has been guided to the references by retrieval of a title and indicative abstract (annotation). They may serve as substitutes for original documents when the latter are for some reason inaccessible.

That informative abstracts are useful does not imply that all pertinent references need necessarily be abstracted, or that all abstracts need be printed in abstracting periodicals, or that need has been demonstrated for a marine sciences abstracting service. The answers to these questions must await further study by the Working-Group. However, whatever the later results of the Working-Group's fact finding are it is sure that certain small improvements in publication of scientific journals could materially improve communications. This question has been studied by several international groups concerned with scientific documentation, especially by ISO and UNESCO. The Working-Group tried to familiarize itself with these studies and decided to recommend that SCOR take certain steps to encourage the adoption of improved practices at least by the major periodicals in which marine sciences literature is published. These include the "Core" journals referred to in recommendation #1, as well as important monographic series.

(4) Recommendations

From the above analysis the Working-Group recommends to SCOR that:

- A. UNESCO be advised to provide assistance (the equivalent of one individual for about 3 months) for the purpose of providing information requested by the Working-Group concerning some of the above mentioned questions. Specifically, the study would involve examination of the coverage by abstracting journals listed in the appendix of the Current Bibliography for Aquatic Services and Fisheries, and from the Deutsches Hydrographisches Institut lists.
- B. SCOR express the hope to UNESCO that the above would constitute a further step in more active participation by UNESCO in documentation work as well as collaboration with FAO.
- C. SCOR encourage the editors of major marine sciences journals to:
 - a) Include on the title pages of the periodical and on the first page of each article in it, the bibliographic reference in the form of the "World List of Periodicals for Aquatic Sciences and Fisheries", short form of the title of the periodical; the date of publication, the series, volume and part numbers, and the first and last page numbers of the document, or of the article in question.
 - b) Print a synopsis (the ISO definition of which is a summary of the article written by the author, or with his agreement), which may be used as the source of an informative abstract, between the heading and the text on the first page of each scientific article.
 - c) Where such synopses are given in languages other than that of the text, it is desirable that the title also be given in those other languages. It is recommended that SCOR contact editors directly as well as through its national committees regarding the above matter. It is further recommended that UNESCO and FAO be requested to take similar action through their channels of communication with government agencies and through IOC.

(5) Analysis

The members of the Working-Group believe that this first meeting has been very useful in several ways:

A) Each has been able to learn about the work of others in this field. A deficiency in exchange of information, even between those most concerned, was revealed. This has been corrected and several participants saw ways in which their own work could be improved thereby.

B) Some ideas for small improvements and extensions to existing systems were developed, and these can be put into effect in the near future by the people concerned.

C) Plans for further studies of the problem, both individually and collectively, were formulated.

D) The Working Group realized the magnitude of the problem, and agreed that time is needed for the preparation of further background information, and considered a second meeting, perhaps later in 1964, as highly desirable.

Recommendation:

The Working-Group recommends therefore that:

SCOR maintain the "Working-Group on Abstracts and Bibliographies of Use in Marine Sciences" and provide funds for a second meeting.