

REPORT OF GOVERNING COUNCIL MEETINGS

3

3

The Governing Council met on October 19, 22 and 25, under the Chairmanship of Dr. William G. Doubleday. Drs. W. Doug McKone and Alexander S. Bychkov served as rapporteurs.

All Contracting Parties were represented at the three sessions (Endnote 1). The Chairman of the Science Board, Dr. Makoto Kashiwai and Dr. Warren S. Wooster, Chairman of the Finance and Administration Committee, were in attendance during part or all of each session.

Agenda Item 1. Opening Remarks

At the first session, the Chairman welcomed the delegates and noted that for this Annual Meeting Mr. Jing-Guang Li was representing the People's Republic of China; Mr. Jhin-Kyoo Chae the Republic of Korea; and Mr. Hideo Nishikawa was representing Japan.

The Chairman asked Parties to confirm their members who would attend the Finance and Administration Committee meeting (Endnote 1, Finance and Administration Committee report).

Agenda Item 2. Adoption of agenda

The Chairman reviewed the agenda and proposed the order in which to take up the various items. This report summarizes the treatment of each agenda item during the course of the three sessions.

Agenda Item 3. Appointment of Executive Secretary

Dr. Doubleday reported that the Selection Committee could not reach consensus on the selection of a new Executive Secretary. Council approved that the position should

be advertised again and Parties were provided with a new advertisement to circulate in their countries (advertisement-Endnote 6). The Assistant Executive Secretary will run the Organization until a new Executive Secretary is appointed. Council decided that the Chairman of the new Selection Committee should establish a short list of three candidates, but he can include a fourth candidate if appropriate. Council noted that provision for paying the cost of candidates to attend the interviews was not considered at the F&A meetings, and approved that these costs should be from the Working Capital Fund.

The Selection Committee for the Executive Secretary is as follows:

Dr. Hyung-Tack Huh, Chairman
Dr. James W. Balsiger (U.S.A.)
Dr. Lev N. Bocharov (Russian Federation)
Dr. Michael A. Henderson (Canada)
Dr. Makoto Kashiwai (Japan)
Dr. Jhin-Kyoo Chae (Republic of Korea)
To be named after this meeting
(People's Republic of China)

The Chairman encouraged China to name their representative as soon as possible after this meeting. (Note: Mr. Zhi-Xin Chen was named as representative of China in January 1999.)

Agenda Item 4. Preliminary Report on Administration

The Executive Secretary summarized the activities of the Secretariat during the previous year (Endnote 2). Fees or partial fees were received by the Secretariat from all Parties during the year. There were a number of changes in the membership of Council, Committees and Working Groups.

Canada was thanked for the new and much improved Secretariat accommodations at the Institute of Sciences, Sidney, British Columbia.

Agenda Item 5. Relations with other International Organizations and observers from such organizations

Council made minor editorial changes to the PICES-ICES Memorandum of Understanding that was received from ICES and agreed that the Chairman sign it on behalf of PICES (Endnote 4) (Decision 98/A/4).

Similarly, Council approved the Memorandum of Understanding with the NPAFC and asked the Chairman to sign it on behalf of PICES (Endnote 5) (Decision 98/A/5).

Letters of invitation to attend PICES VII were sent to the agreed list of Organizations, and the following sent observers:

- Climate Variability and Predictability Program (CLIVAR) - Dr. Howard J. Freeland
- North Pacific Anadromous Fish Commission (NPAFC) – Ms. Hiroko Omori
- Scientific Committee on Oceanic Research (SCOR) - Prof. Shizuo Tsunogai and Dr. Roger Harris

Agenda Item 6. Membership and observers from other countries

Non-member countries were not officially represented as observers at this years meeting. The Secretariat did not receive any proposals to join PICES from non-member countries during 1998.

Agenda Item 7. Election of Chairman

Dr. Doubleday called for nominations for Chairman of Council in accordance with the

Rules of Procedure. Dr. Hyung-Tack Huh of the Republic of Korea was nominated by the U.S.A. and seconded by the People's Republic of China. He was unanimously declared as Chairman for a first term. The Delegates congratulated Dr. Huh on his election. Dr. Huh expressed his thanks for the support given by Council.

Agenda Item 8. Appointment of Finance and Administration Committee Chairman

The Chairman opened discussion on proposals for Chairman of the Finance and Administration Committee in accordance with the Rules of Procedure. The U.S.A. proposed that Dr. Richard Marasco be appointed. The Council accepted the US proposal and appointed him for a two-year term. Dr. Marasco thanked Council for their support.

Agenda Item 9. Proposed change to Rules of Procedure

Council discussed the proposed Rule of Procedure changes recommended by Science Board that would improve the way the organization functions in relation to Working Groups, Technical Committees, Scientific Programs and other groups. Council edited and approved the Rules of Procedure as proposed (Endnote 3) (Decision 98/A/3).

Council reviewed the proposed Rule of Procedure 11 change for the Executive Secretary to publish proceedings from the Annual Meetings proposed by the Republic of Korea. As recommended by Science Board, Council requests that the Publication Committee consider the Korean proposal to publish proceedings from the Annual Meetings and report next year.

Agenda Item 10. Report of Finance and Administration Committee

The Finance and Administration Committee met under the Chairmanship of Dr. Warren S. Wooster, who presented the report to the Governing Council (see F&A Report for text). The report was approved by Council.

Audited accounts for Financial Year 1997

At the recommendation of the Finance and Administration Committee, the Governing Council accepted the audited accounts for 1997. Council reviewed bids from auditing firms and agreed to appoint the existing auditor for another year (Decision 98/A/1).

Estimated accounts for Financial Year 1998

The estimated accounts from October 1 to December 31 were reviewed by the Finance and Administration Committee and approved by Council (Decision 98/A/2).

Budget for Financial Year 1999

The total budget, increased to CDN \$574,000, was approved by Council. Council also approved a transfer of CDN \$58,000 from the 1998 Working Capital Fund surplus to reduce the fees for each Party to CDN \$86,000 (Decision 98/A/2(1)).

Forecast Budget for Financial Year 2000

Council received the forecast budget for 2000 as an information item for Parties (Decision 98/A/2(2)).

Trust Fund

The Trust Fund is estimated to be CDN \$63,656 at the end of 1998. Council would also like to thank the Republic of Korea for its generous contribution of CDN \$40,000 to the Trust Fund in late October last year.

Working Capital Fund

The Working Capital Fund is estimated to be CDN \$170,762 at the end of 1998. Thus, the Working Capital Fund will have an estimated residual surplus of CDN \$70,762. Council approve the transfer of CDN \$58,000 to reduce the fees for each Party and approve that five-sixths (\$10,635) of the estimated remainder (\$12,762) be transferred to the Trust Fund. The estimated remaining one-sixth (\$2,127) to be held by the Secretariat for review by F&A at next year's Annual Meeting. Council also approved that the practice of transferring surpluses in the Working Capital Fund to the Trust Fund should continue in future years (Decision 98/A/2(3)).

Home Leave Relocation Fund

The status of the Home Leave Relocation fund was reviewed. No action was taken by Council on this matter.

Future meetings of the Organization and subsidiary bodies, including time and place for the Eighth and Ninth Annual Meetings

Council approved the recommendation that PICES VIII be held from October 11-17 in Vladivostok, the Russian Federation. Meetings of Working Groups, Task Teams and any other groups will be held in the week before the meeting. Council also accepted the invitation of Japan to hold PICES IX (Decision 98/A/6).

Agenda Item 12. Report and recommendations of Science Board

The Chairman reminded the National Delegates that approval of the Science Board recommendations implies that they will provide the necessary support to allow the successful accomplishment of the tasks that are planned within their country.

Council approved the Science Board Report (See Science Board Report for text). With respect to the MEQ summary statement in the Science Board Report on their proposed Practical Workshop, the Delegate from China expressed the following comment: "The change in venue was necessary because of inadequate coordination among Chinese scientists concerned." And he supported the general view that "PICES at all levels must work together to ensure the inter-governmental projects sponsored by PICES are given necessary support and authorization so that projects be implemented successfully".

1. Planned and proposed future meetings in 1999-2000
Council approved inter-sessional meetings (Decision 98/S/1) and proposed Workshops and Working Group meetings to be held at PICES VIII.
2. CCCC Program and CCCC -IP Task Teams
Council approved recommendations concerning CCCC Program (Decision 98/S/2).
3. Proposed PICES Publications: 1999
Council accepted the list of publications proposed (Decision 98/S/3).

Appendix

A. Decisions

98/A/1: Auditor

Council accepted the audited accounts for 1997 and agreed to continue with Flader and Greene as auditor for another year.

98/A/2: General Account

Council accepted the estimated accounts of 1998 and agreed to the following actions:

4. Working Groups and new groups
Council approved recommendations proposed concerning Working Groups and new groups (Decision 98/S/4 and 5).
5. PICES supported travel
Council approved the recommended travel support (Decision 98/S/6).
6. Co-sponsor meetings
Council approved the recommended cosponsoring meetings (Decision 98/S/7).

Agenda Item 13. Any other business

Election of Vice Chairman

Dr. Doubleday noted that as Dr. Huh was elected as Chairman, it would be necessary to replace him as Vice Chairman of Council, and he called for nominations in accordance with the Rules of Procedure. Dr. Vera Alexander of U.S.A. was nominated by Japan and seconded by Canada. She was unanimously declared as Vice Chairman for a first term. The Delegates congratulated Dr. Alexander on her election. Dr. Alexander expressed her thanks for the support given by Council.

1. *1999 Budget.* The budget of \$574,000 was approved. \$58,000 was transferred from the Working Capital Fund to reduce the total contribution to \$516,000, keeping the 1999 fees at \$86,000.
2. *Forecast 2000 Budget.* The forecast budget for 2000 was reviewed and will be further considered during PICES VIII.
3. *Working Capital Fund.* The estimated surplus in the fund is \$70,762. Council

approved a transfer of \$58,000 to the General Fund for 1999. Council further approved that five-sixths (\$10,635) of the estimated remaining surplus of \$12,762 be transferred to the Trust Fund and one-sixth (\$2,127) be held in the Working Capital Fund to be considered at next year's meeting of the F&A Committee. Council approved the practice to continue transferring future surpluses to the Trust Fund.

98/A/3: Rules of Procedure

Council approved the proposed Rules of Procedure changes to agree with the Handbook for Chairman and Convenors (see Endnote 3).

98/A/4: PICES-ICES Memorandum of Understanding (MOU)

Council approved the PICES-ICES MOU and asked the Chairman to sign it and transmit it to ICES for signature (see Endnote 4).

98/A/5: PICES-NPAFC Memorandum of Understanding (MOU)

Council approved the PICES-NPAFC MOU and asked the Chairman to sign it and transmit it to NPAFC for signature (see Endnote 5).

98/A/6: Future Annual Meetings

Council approved the Russian Federation's proposal to host the Eighth Annual Meeting in Vladivostok, October 11-17, 1999. Council approved the proposal of Japan to host the 2000 meeting. The date and place of the meeting in Japan is to be determined at next year's Annual Meeting.

98/S/1: Inter-sessional Workshops and Working Group Meetings

The following inter-sessional meetings are to be convened:

- a. A 2-week MEQ Practical Workshop in Vancouver (Canada) in May 1999;
- b. A 4-day WG 13 Technical Workshop in Tsukuba (Japan) in April 1999;
- c. A 3-day WG 12 meeting in August or early September 1999 in the People's Republic of China or in conjunction with PICES VIII in Vladivostok;

98/S/2: CCCC Program and CCCC-IP Task Teams

- a. The BASS Task Team should convene a 2-day workshop on *Development of a Conceptual Model for the Subarctic North Pacific Gyres* immediately prior to the PICES Eighth Annual Meeting in Vladivostok. Co-convenors are Gordon A. McFarlane (Canada) and Andrey S. Krovnin (Russia);
- b. The MONITOR Task Team should convene a 2-day workshop immediately prior to the PICES Eighth Annual Meeting in Vladivostok. Co-convenors are Yasunori Sakurai (Japan) and Bruce A. Taft (U.S.A.);
- c. The REX Task Team should convene a 2-day workshop on *Herring and Euphausiids* immediately prior to the PICES Eighth Annual Meeting in Vladivostok. Co-convenors are Douglas E. Hay (Canada), William T. Peterson (U.S.A.), Vladimir I. Radchenko (Russia) and Tokio Wada (Japan);
- d. The MODEL Task Team should convene a 3-day workshop on *Prototype Lower Trophic Level Ecosystem Model for Comparison of Different Marine Ecosystems in the North Pacific*, in Nemuro, Japan, in early 2000.

98/S/3: Publications

The following reports are to be published:

- a. Progress reports of Working Groups 8, 11-14 and the report of the Publication Study Group in the 1998 Annual Report;

- b. Revised PICES Handbook and Handbook for Chairmen and Convenors;
- c. Proceedings of the Science Board '97 Symposium on "*Ecosystem dynamics in the eastern and western gyres of the subarctic Pacific*" in the special issue of *Progress in Oceanography*;
- d. Proceedings of the Science Board '98 Symposium on El Niño 1997/98 events in the PICES Scientific Report Series;
- e. Proceedings of the Second Okhotsk Sea Workshop in the PICES Scientific Report Series;
- f. WG 10 report in the PICES Scientific Report Series;
- g. Proceedings of the MODEL, REX and MONITOR 1998 Workshops in a single volume of the PICES Scientific Report Series.

98/S/4: Future of Working Groups

- a. WG 10 on "Circulation and ventilation in the Japan/East Sea" will be disbanded in spring 1999 after the POC Committee's approval of the publication of the final report;
- b. WG 11 on "Consumption of Marine Resources by Marine Mammals and Seabirds" will continue its work for one more year. Simultaneously, a new Study Group to propose ways to incorporate marine birds and mammals expertise into the PICES structure and activity will be established;
- c. Revised terms of reference for WG 14 be expanded to include the ecological role of micronekton in addition to sampling methods.

98/S/5 New PICES groups

A new standing Publication Committee reporting to Science Board was established. Membership shall consist of one participant from each member country, selected by Science Board from among members of PICES Scientific Committees, Working Groups, and Task Teams, together with an

elected Chairman and a representative of the Secretariat. Members will be nominated inter-sessionally and a letter seeking the support of national delegates for the members of the committee will be sent by the PICES Secretariat. The Publication Committee will work inter-sessionally by correspondence and will convene during the Annual Meeting. The Publication Committee has the following terms of reference:

1. Review questions of publication policy;
2. Review questions of translation policy;
3. Review desirability of establishing a peer review publication;
4. Review desirability of establishing a PICES editorial board; and
5. Review other matters concerning PICES publications.

98/S/6 Travel support

- a. PICES will provide partial support for Dr. Chang-Ik Zhang (FIS Chairman) to attend a joint SCOR WG 105 and ICES symposium on "*The Ecosystem Effect of Fishing*" in Montpellier, France, in March 1999;
- b. PICES will cover the travel costs of two outside experts to provide keynote demonstration and/or presentation at the TCODE Workshop on "*Workshop on the application of scientific visualization to marine ecosystem analysis*" in conjunction with the PICES Eighth Annual Meeting in Vladivostok;
- c. PICES will provide financial support for two scientists to attend the REX Workshop on "*Herring and Euphausiids*";
- d. PICES will cover the travel cost of one invited speaker for the CCCO-related Scientific Sessions at the PICES Eighth Annual Meeting.

98/S/7 Co-sponsored meetings

- a. PICES will co-sponsor a 4-day conference “*El Niño and Beyond: A conference on Pacific climate variability and marine ecosystem impacts, from the Tropics to the Arctic*” in La Jolla, U.S.A., in March 2000, with IPHC, IATTC, ISC, and possibly other marine organizations; Drs. Paul H. LeBlond and Warren S. Wooster will serve as Co-Chairmen of the Steering Committee on behalf of

PICES;

- b. PICES will co-sponsor a 2-day workshop on “*Zooplankton Production Ecology*” in Hawaii, U.S.A., in late April/early May 2000, with ICES. Dr. Tsutomu Ikeda (BIO Chairman-elect) will represent PICES serving as a co-convenor.

Endnote 1

Participants

Canada

Michael A. Henderson (alternate delegate)
Richard J. Beamish (alternate delegate)

China

Jing-Guang Li (delegate)
Zhi-Xin Chen (alternate delegate)
De-Li Xin (advisor)
Qian-Fei Liu (advisor)
Yong Li (advisor)
Bo Lei (advisor)

Japan

Satsuki Matsumura (delegate)
Hideo Nishikawa (alternate delegate)

Republic of Korea

Jhin-Kyoo Chae (alternate delegate)
Hyung-Tack Huh (delegate)

Russian Federation

Lev N. Bocharov (delegate)
Alexander Kurmazov (advisor)
Igor I. Shevchenko (advisor)

U.S.A.

Vera Alexander (delegate)
James W. Balsiger (delegate)
Richard Marasco (Oct. 21-26 alternate for James W. Balsiger)
Dorothy Bergamaschi (advisor)

Others

William G. Doubleday (Chairman, PICES)
W. Douglas McKone (Executive Secretary) (Rapporteur)
Alexander S. Bychkov (Assistant Executive Secretary) (Rapporteur)
Makoto Kashiwai (Chairman, Science Board)
Warren S. Wooster (Chairman, Finance and Administration Committee; ex-officio Council member)

Endnote 2

Report on Administration for 1998

Council, Committees and Working Groups

1. Payment of National Contributions

All annual dues are payable by January 1 each year. Dues were paid as follows:

Japan	January 1998
Canada	February 1998
U.S.A.	May 1998
People's Republic of China	May 1998
Russian Federation	July 1998
Republic of Korea (partial)	December 1998

2. National Delegations

Japan

1. Mr. Kimihiro Ishikane replaced Mr. Akira Mizutani as a member of the Finance and Administration Committee.

People's Republic of China

1. Mr. Zheng-Ping Tang replaced Mr. Zuo-Fu Gan as a delegate to Council.
2. Mr. Jing-Guang Li replaced Prof. Yu-Kun Xu as a delegate to Council.

Republic of Korea

1. Mr. Kook-Jeon Ahn replaced Mr. Kyu-Seok Park as a delegate to Council.

Russian Federation

1. Dr. Lev N. Bocharov replaced Dr. Alexander Rodin as a delegate to Council.
2. Dr. Igor I. Shevchenko replaced Drs. Gennady Khen and Gennady Yurasov as member of the Finance and Administration Committee.

3. Committees and Working Groups

Japan

1. Dr. Tokimasa Kobayashi replaced Dr. Kiyoshi Wakabayashi on FIS.

2. Dr. Nobuo Suginozawa replaced Prof. Yutaka Nagata on POC.
3. Dr. Akihiro Hara replaced Dr. Kiyotaka Otani on FIS.
4. Dr. Takeshi Uji replaced Dr. Masahiro Endoh on POC.
5. Dr. Ichiro Hara replaced Dr. Tokimasa Kobayashi on TCODE.
6. Dr. Toshio Nagai replaced Dr. Tadao Tatsuno on TCODE.

Russian Federation

1. Dr. Victor V. Lapko replaced Dr. Vladimir I. Radchenko on the FIS Committee.
2. Drs. Lev M. Gramm-Osipov and Tatiana Belan replaced Drs. Evgeny Shumilin and Stanislav Patin on the MEQ Committee.

4. Observers

Invitation letters were sent to inter-Governmental and non-Governmental organizations on the agreed standard list. Organizations and Programs that accepted our invitation are:

Climate Variability and Predictability Program (CLIVAR) - Dr. Howard J. Freeland

North Pacific Anadromous Fish Commission (NPAFC) – Ms. Hiroko Omori
Scientific Committee on Oceanic Research (SCOR) - Prof. Shizuo Tsunogai and Dr. Roger Harris

5. Travel and representation at other organization meetings

- a. Dr. Chang Ik Zhang attended SCOR Working Group 105 meeting in Hobart, Tasmania, in January.
- b. Dr. W. Doug McKone, Dr. Alexander S. Bychkov and Dr. Paul H. LeBlond

attended NPAFC meeting in Vancouver in March.

- c. Ms. Patricia Livingston attended GLOBEC Open Meeting in Paris in March.
- d. Dr. W. Doug McKone and Ms Christina Chiu travel to the Fairbanks Alaska to discuss PICES Annual Meeting in April.
- e. Dr. W. Doug McKone and Ms. Christina Chiu attended the Pension Society Meeting in La Jolla in May.
- f. Dr. W. Doug McKone and Dr. Paul H. LeBlond attended planning meeting for El Niño Symposium 2000 in Seattle in August.
- g. Drs. Kenneth L. Denman and Alexander S. Bychkov attended JGOFS Equatorial Pacific Synthesis Group meeting in Seattle in September.
- h. Mr. Robin M. Brown (part support) attended JGOFS Data Management and Synthesis Workshop in Bergen in September.
- i. Dr. W. Doug McKone to attend Okhotsk Sea Workshop meeting in Nemuro in November.
- j. Per diem to be provided for 10 Russian Federation scientists to attend Okhotsk Sea Workshop in Nemuro in November.
- k. Support was provided for 5 invited speakers to attend the Annual Meeting in October.
- l. Support was provided for two candidates for the Executive Secretary position to the interview at the Annual Meeting.
- m. Support was provided for Secretariat staff, Chairman Dr. William G. Doubleday and Science Board Chairman Dr. Makoto Kashiwai to attend Annual Meeting.
- n. This year Trust Fund support was provided as follows:
 - Partial support for 10 scientists from the Russian Federation
 - Partial support for 10 scientists from the Republic of Korea
 - Full support for 5 scientists from the People's Republic of China

- Full support for 2 young scientists
The available funds were split equally among the three countries. The number of Chinese scientists supported was low because full support was required for each scientist.

Communication

1. Publications

List of publications produced this year:

- a. Handbook 1998 was distributed in January
- b. The Annual Report was published and circulated in January.
- c. A poster for PICES VII was printed and distributed in January.
- d. Vol. 6 nos. 1 and 2 of PICES Press were circulated in January and July.
- e. The First Announcement for the Seventh Annual Meeting was circulated in January.
- f. The 1998 Directory was updated and circulated in January.
- g. The Final Announcement for the Seventh Annual Meeting was distributed in June.
- h. A program and abstracts for scientific sessions were prepared for circulation at the Annual Meeting in October.
- i. Scientific Report No. 8: Multilingual Nomenclature of Place and Oceanographic Names in the Region of the Okhotsk Sea, was circulated in November.
- j. Scientific Report No. 9: PICES Climate Change and Carrying Capacity Workshop on the Development of Cooperative Research in Coastal Regions of the North Pacific, was circulated in November.
- k. A program and abstract book for the Second PICES Okhotsk Sea Workshop was circulated at the Workshop in November.

2. Electronic Communication

- a. On-line registration and abstract submission to PICES VII compared to last year: registration through the web decreased by 4% (to 52%) and submitted abstracts increased by 13% (to 34%).
- b. CCCC sub-page on the PICES Home Page was re-designed to reflect the Task Team activities in August.
- c. All PICES Scientific Report series publications with their graphics have been put on the PICES Home Page. This feature will be continued as new publications are produced.
- d. The list of Internet resources and web sites of interest to PICES scientists was updated
- e. Updates to the Long-Term Time Series Data Set Inventory were made.
- f. The Secretariat continues to distribute a list of future meetings, information on new books and initiatives in marine science to more than 900 scientists.

Secretariat Matters

1. Administration/Financial

- a. The Secretariat reviewed and produced an inventory of existing and disposed-of equipment. The list was split into two sections: one for electronics and one for furniture and other inventory. Software that was included in the Equipment category (of the PICES budget) was determined, and it was found that most of it was obsolete as software has a very short life span. In order for the Secretariat to be able to receive and work with documents from all sources, software must be current. Showing the cost of software as part of

the Equipment category distorts the value of the inventory of equipment held by the Organization unless the cost is written off at the end of each year. After discussion with the auditor, expenditures for software are now charged to the Office Supplies category.

- b. The Secretariat approached four new auditing firms to solicit bids as requested by Council. Two responded and the currently used auditor indicated that if PICES wished to continue with them the cost for the audit of the 1998 books would be the same as for last year.
- c. Improved methods for handling registration and abstract submission for the Annual Meeting are still being developed by the Secretariat. The aim is to simplify the system while trying to reduce costs.

2. Space, Facilities and Equipment

- a. The Government of Canada provided new and larger facilities for the Secretariat this year. We have one additional room which will be used as a library / meeting room, and can house a person visiting or seconded to the Secretariat. The facilities should be adequate to meet the needs over the next few years.
- b. Secretariat electronic equipment has been upgraded or renewed over the last few years. There will likely be some costs for equipment as a result of moving into new facilities provided by Canada.

Endnote 3

Rule Changes

Rule 12

- (ii) The Council may establish such *ad hoc* Committees, Working Groups, Technical Committees, Scientific Program Committees and other groups as it deems necessary and where appropriate Science Board shall recommend a person for Chairman for consideration and approval of Council.

Rule 13

Add new (iii) and (iv):

- (iii) Technical Committees shall each consist of not more than two members from each Delegation recommended by Science Board for approval of national Delegates;
- (iv) Science Board shall recommend members of Working Groups, Scientific Program Committees, and other groups for approval of national Delegates based on an appropriate representation that meets the needs of the particular Working Group, Scientific Program or other group.

Rule 14

Drop the last line of Rule (i) and add a new Rule (ii) that includes the dropped line as follows:

- (ii) An additional member may be designated by each Contracting Party not otherwise represented on the Board. Chairmen of Technical Committees, and Scientific Programs reporting to Science Board may serve as observers without the right to vote.

Rule 16

Add new (ii) and (iii):

- (ii) Chairmen of Technical Committees, Scientific Program Committees and other groups will be recommended

to Council by Science Board for approval for a term of three years, shall assume office at the conclusion of the Annual Meeting at which appointed; and shall not be eligible for re-appointment for the immediate succeeding term.

- (iii) Chairmen of Working Groups will be recommended to Council by Science Board for approval to serve for the life of the Working Group which usually will not exceed three years, and shall assume office at the conclusion of the Annual Meeting at which appointed.

Renumber - (ii) becomes (iv) and change as follows:

- (iv) if for any reason the Chairman of any Committee, Working Group, Scientific Program Committee or other group is unable to complete the term of office, a new Chairman shall be designated in the same manner as provided originally for designation of the Chairman of that Committee, Working Group, Scientific Program Committee, or other group. In such circumstances, or if a Chairman is temporarily unable to act, the Chairman of Council after consultation with the Science Board Chairman and Council members, shall appoint a member of the Committee, Working Group, Scientific Program Committee or other group to act as Chairman; and

Renumber - (iii) to become (v).

Rule 17

The function of the Chairman of each of the Committees, Working Groups, Scientific

Program Committees and other groups identified in Rule 13-15 shall be:

The rest of the text of Rule 17 will remain unchanged.

Endnote 4

MEMORANDUM OF UNDERSTANDING BETWEEN THE NORTH PACIFIC MARINE SCIENCE ORGANIZATION AND THE INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA

Recognizing that the North Pacific Marine Science Organization, (PICES), hereinafter called "the Organization", exists to (a) promote and coordinate marine scientific research in order to advance scientific knowledge of the area concerned and of its living resources, including but not necessarily limited to research with respect to the ocean environment and its interactions with land and atmosphere, its role in and response to global weather and climate change, its flora, fauna, and ecosystems, its uses and resources, and impacts upon it from human activities; and (b) promote the collection and exchange of information and data related to marine scientific research in the area concerned. In order to further enhance its institutional capabilities, the Organization seeks, *inter alia*, to establish and maintain mutually agreed working arrangements with other international organizations which have related objectives.

Recognizing that the International Council for the Exploration of the Sea, hereinafter called "the Council", exists to: (a) promote and encourage research and investigations for the study of the sea particularly related to the living resources thereof; (b) draw up programmes required for this purpose and to organize, in agreement with its Contracting Parties, such research and investigations as may appear necessary; (c) publish or otherwise disseminate the results of this work; and (d) provide scientific information and advice to Member Country governments, and the regulatory commissions with which co-operative relationships have been established. In order to carry out these tasks appropriately and efficiently, the Council seeks, *inter alia*, to establish and maintain mutually agreed working arrangements with other international organisations which have related objectives.

The Organization and the Council, hereinafter called "the Parties", have, therefore, agreed to the following Understanding:

1. There shall be reciprocal consultations and regular contacts between the Parties on matters of common interest in the field of marine scientific research, data exchange, and training and related activities, including environmental studies;
2. There shall be regular exchange between the Parties of information, documents, and publications relating to programme and project plans and to the results of activities agreed to be of mutual interest, joint or otherwise;
3. The Parties shall invite each other to be represented, in an observer capacity, at meetings of common interest, to the extent that this is possible within their respective working procedures;
4. The Parties shall, as appropriate, undertake joint activities, including when required, the establishment of joint subsidiary bodies or other suitable arrangements, to study and report

on matters of common interest, including the support of those activities that concern them both;

5. The Parties shall consult regularly on ways in which co-operation between them can be further improved and extended. Specific joint programmes and activities may be defined through addenda to this framework agreement on a biennial basis;
6. The terms of this Understanding may be revised by the Parties if they both agree. The Understanding shall continue on the basis of the existing terms until new terms have been agreed;
7. Either Party may withdraw from the Understanding at any time subject to giving one year's written notice to the other Party;
8. Any agreement, arrangement or joint activity entered into in consequence of this Memorandum of Understanding which involves a financial commitment will be covered by an annex to this Memorandum governing the provision of funds;
9. Recognizing and fully respecting their various mandates, policies and priorities, the Parties agree that this Understanding shall enter into force upon signature and shall remain in force unless either Party withdraws pursuant to Paragraph 7 above.

President
International Council for the
Exploration of the Sea (ICES)

Chairman
North Pacific Marine Science Organization
(PICES)

Date: _____

Date:

Endnote 5

**MEMORANDUM OF UNDERSTANDING BETWEEN
THE NORTH PACIFIC MARINE SCIENCE ORGANIZATION AND
THE NORTH PACIFIC ANADROMOUS FISH COMMISSION**

Recognizing that the North Pacific Marine Science Organization (PICES), exists to: (a) promote and coordinate marine scientific research in order to advance scientific knowledge of the area concerned and of its living resources, including but not necessarily limited to research with respect to the ocean environment and its interactions with land and atmosphere, its role in and response to global weather and climate change, its flora, fauna, and ecosystems, its uses and resources, and impacts upon it from human activities; and (b) promote the collection and exchange of information and data related to marine scientific research in the area concerned;

Recognizing that the North Pacific Anadromous Fish Commission (NPAFC) exists to: (a) promote the conservation of anadromous stocks in the Convention Area; and (b) consider matters related to the conservation of ecologically related species in the Convention Area;

Recognizing the mandatory powers, constraints and obligations under which PICES and NPAFC respectively operate;

Desiring to provide a framework for mutual cooperation;

PICES and NPAFC, hereinafter called "the Parties", have agreed to the following:

1. To maintain reciprocal consultations and regular contacts on matters of common interest in the field of marine scientific research;
2. To regularly exchange information, documents, and publications relating to program and project plans and to the results of activities agreed by the Parties to be of mutual interest, joint or otherwise;
3. To invite each other to be represented, in an observer capacity, at meetings of common interest, to the extent that this is possible within their respective working procedures;
4. To undertake joint activities, as appropriate, including when agreed, the establishment of joint subsidiary bodies or other suitable arrangements, to study and report on matters of common interest;
5. To consult, as appropriate, on ways in which cooperation between them can be further improved and extended. Specific joint programs and activities may be defined through addenda to this agreement;
6. To coordinate the time and place of Annual Meetings to facilitate the work of both Parties;
7. This Memorandum of Understanding (Memorandum) shall enter into force upon signature of the person duly authorized by each Party and shall remain in force unless either Party withdraws pursuant to paragraph 8 below;

8. The terms of the Memorandum may be revised by the Parties if they both agree. The Memorandum shall continue on the basis of the existing terms until new terms have been agreed;
9. Either Party may withdraw from the Memorandum at any time subject to giving one year's written notice to the other Party.

IN WITNESS WHEREOF, the undersigned, being duly authorized thereto, have signed this Memorandum of Understanding.

DONE at Moscow, this day of November 1998.

President
North Pacific Anadromous
Fish Commission (NPAFC)

Chairman
North Pacific Marine Science Organization
(PICES)

Date: _____

Date: _____

Endnote 6

Executive Secretary Position

Applications are invited for a five-year appointment to the position of Executive Secretary of the North Pacific Marine Science Organization (PICES).

The purpose of the Organization is to promote and coordinate marine scientific research in order to advance scientific knowledge of the area concerned (i.e. the northern North Pacific and adjacent seas especially northward from 30 degrees North Latitude) and of its living resources, including but not necessarily limited to research with respect to the ocean environment and its interactions with land and atmosphere, its role in and response to global weather and climate change, its flora, fauna and ecosystems, its uses and resources, and impact upon it from human

activities; and to promote the collection and exchange of information and data related to marine scientific research in the area concerned.

The Organization's main bodies - the Governing Council and Science Board - meet annually, and more often if necessary. Member States currently are Canada, the People's Republic of China, Japan, the Republic of Korea, the Russian Federation, and the United States of America. English is the working and official language of the Organization.

The Secretariat is located at the Institute of Ocean Sciences, British Columbia, Canada, and provides services to the Organization in the exercise of its duties and functions.

Description of the Position and Duties

The Executive Secretary is the Organization's chief administrative officer and must be impartial in promoting and coordinating the interests of all Contracting Parties. The Executive Secretary is responsible for the management of the Organization's office, staff, and funds, which are presently at the level of CND\$500,000 - \$600,000, contributed equally by the Member States; conducts business on behalf of the Organization; arranges annual and other meetings of the Organization and its constituent bodies and committees; prepares annual budget estimates and forecasts; prepares annual financial statements, and other documents as required; invests funds that are surplus to immediate needs; handles correspondence; prepares minutes of Governing Council, Science Board, and Finance and Administration Committee; prepares an annual report of the Organization for distribution to the Member States; and publishes the Annual Report and other scientific publications as required by the Organization. The successful candidate must be self-motivated and be responsible for administration and staff of the Organization; work with the Chairman of Council, Science Board, Scientific Committees, Working Groups, and other bodies.

The Executive Secretary is assisted by an Assistant Executive Secretary, Administrative Assistant, and a Secretary.

The term of office is a minimum of five years and may be renewed at the discretion of Council.

Qualifications and essential experience

Applicants must be a citizen of a Member State of PICES at the time of assuming office. Preference will be given to a candidate with a Ph.D. degree or equivalent

experience in one of the marine science disciplines from a recognized university. The applicant must have significant experience in conducting and managing scientific research or significant administrative experience with international cooperative scientific programs and with scientists from a number of countries. This experience relates particularly to marine scientific research and marine scientists.

Applicants should also have experience in, or detailed knowledge of, the operations of intergovernmental organizations, including demonstrated experience in the selection and supervision of staff, and experience in the preparation of financial budgets and management of funds.

Applicants should have experience in the organization of large and small meetings and the provision of secretarial support, especially to scientific committees and groups, must submit examples of their writing, and be prepared to provide further examples if interviewed.

Applicants must be fluent in both spoken and written English and will be asked to write a paragraph or two if interviewed for the job. Fluency in another language of a member country would be a benefit. A knowledge of marine science activities in the northern North Pacific region is desirable.

Salary and benefits

The annual salary and benefits of the staff of the Organization are guided by but not limited to the host state (Canada) public service salaries for equivalent responsibilities. The salary is negotiable, in the range of CND\$ 74,300 - 97,900, commensurate with qualifications and experience. The salary is subject to the equivalent of Canadian income tax.

The Organization participates in:

1. Group Pension Plan with spouse and survivor benefits,
2. Canada Pension Plan,
3. Employment Insurance Plan,
4. British Columbia Medical Plan,
5. Group Extended Health Benefits Plan,
6. Group Dental Insurance Plan,
7. Group Long-Term Disability Plan, and
8. Group Term-Life Insurance Plan.

Non-Canadian applicants can be exempt from membership in some of the plans depending on circumstances. Cost to the successful applicant would vary depending on the exemptions.

Payment will be made for moving expenses for the employee and family to the headquarters at the start of employment and return at the end of employment, in accordance with the host state public service guidelines.

Each year annual vacation leave and holidays traditionally celebrated by the host state public service, and sick leave are provided. Internationally recruited staff and their dependents are entitled to two paid calendar weeks home leave every two years.

Application procedure

An application should include a covering letter and resume written by the applicant. At least three references from persons with a knowledge of the applicant's qualifications

and experience are required; it is desirable that at least one reference be from a country other than that of the applicant. Applicants should indicate in their letter a suitable starting date and acceptable salary level. A desirable starting date would be July 1, 1999.

Deadline for applications is February 1, 1999

Applicants placed on a short list should expect to be interviewed in late March 1999.

The applicant and writers of references should send their submissions marked 'Personal and Confidential' directly to either:

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