

STATEMENT OF THE TWENTY-FIRST JOINT
MEETING OF THE UJNR AQUACULTURE PANEL

NOVEMBER 26 - 27, 1992

The twenty-first joint meeting of the UJNR aquaculture panel was held on November 26 - 27 at the Kyoto Eminence Hotel, Kyoto, Japan. The National Research Institute of Aquaculture hosted the meeting. A business meeting was held on the morning of November 26, followed by a symposium on November 26 and 27. The topic of the symposium was Environmental Management in Aquaculture.

Dr. Katsuhiko Itoh, Secretary General National Research Institute of Aquaculture opened the meeting. Dr. Itoh warmly welcomed the members and introduced Dr. Kenji Takagi, Japanese Panel Chairman. Dr. Takagi opened his remarks with reference to the successful meeting in Newport, Oregon last October. He reviewed briefly the activities of the panel, of the adoption of the new 5 year plan, and remarked on the importance of this year's topic, environmental management. Dr. Itoh introduced the US Panel Chairman, Dr. James McVey. Dr. McVey thanked the Japanese Panel for selecting the historic city of Kyoto in the heartland of Japan for our meeting and for all the planning and work of hosting the meeting. Dr. McVey explained that budget problems forced several late cancellations of US Panel members. He emphasized the importance of this session's topic and noted that environmental questions are presently a limitation on aquaculture in the US. Dr. Itoh introduced Dr. Yoichiro Watanabe, Minister of Agriculture, Forestry and Fisheries, and UJNR Assistant Director. Dr. Watanabe

welcomed the participants on behalf of the Ministry. He described the role of the Panel as a model for scientific exchange which enjoys the support of the Research Council Secretariat. Dr. Watanabe emphasized the importance of research to aquaculture development as illustrated by this meeting. Drs. McVey and Takagi introduced the Panel members, and observers.

Agenda for the business meeting, symposium program and abstracts are attached (Appendix I, II and III).

I. BUSINESS MEETING

Dr. Takagi asked for acceptance of the agenda which was done by consent. Drs. Itoh and McVey proposed Dr. Nakajima and Dr. Hoskin as rapporteurs for the Business Meeting. Symposium moderators selected were Drs. Maeda, Malone, Kishi, Brune, Hirata, and McVey. The moderators selected for the Satellite Symposium were Drs. Noma and W. Heard. Dr. McVey and Dr. Takagi identified the Japan/US Panel Counterparts as follows:

Scientist Exchange: Dr. Hideki Tanaka Dr. Joan Mitchell
Literature Exchange: Dr. Masachika Maeda/Mrs. Deborah Hanffman
Cooperative Studies: Dr. Kazuhiro Nakajima/Dr. James McVey
Publications : Dr. Kooichi Konishi Ms. Marsha Collie

Dr. Takagi asked for formal adoption of the agenda items. The agenda was adopted. Lists of the names and addresses of Japanese and U.S. panel members are attached (Appendix IV and V).

Dr. Konishi provided information on money exchange and travel arrangements for the sessions to be held outside Kyoto.

(Dr. Raul Piedrahita assumed the duty of US rapporteur)

Agenda Item No. 5:

A. Scientist Exchange Program

The Japanese report was presented by Dr. Tanaka. He indicated that 9 scientists visited the U.S. last year. Dr. Heard mentioned that he knew of one other person (from Hokkaido Salmon Hatchery) who had visited in October - Dr. Heard will pass the name to Dr. Tanaka. The total is then 10 scientists, and a list is available from Dr. Tanaka (Appendix VI).

The U.S. report was presented by Dr. Heard. Dr. Jo Ann C. Leong from Oregon State University has initiated collaboration with a Japanese scientist. Dr. Craig Sullivan (North Carolina State Univ.) travelled to Japan. There is a student with NSF funding who needs a Japanese counterpart. Dr. Chris Langdon also visited Japan. Dr. Heard will provide a complete list of future exchanges.

B. Literature Exchange Program

The Japanese report was presented by Dr. Maeda. In 1992, 124 articles were provided (Appendix VII). Material received from the U.S. is kept in a special place and lists are distributed to Japanese Laboratories.

The U.S. report was presented by Dr. McVey for Ms. Hanffman. A list of material and copies of books and articles are available and were presented to Dr. Maeda (Appendix VIII). The total number of publications turned over was 89. Material received from Japan is kept on a special shelf at the National Aquaculture Information Center.

C. Cooperative Studies

The Japanese report was presented by Dr. Itoh. No plans or report on Cooperative Studies was presented.

The U.S. report was presented by Dr. McVey. Dr. McVey suggested that Dr. Leong's and Dr. Langdon's visits should be considered as cooperative studies. Dr. McVey will contact them to develop a complete report. Additional opportunities for cooperative studies should be explored during the symposium.

D. Publications

The Japan report was presented by Dr. Konishi. Dr. Konishi presented the status of publications.

The 18th Symposium (1989) was published in February '92 as NOAA Technical Report No. 106.

The 19th Symposium (1990) galley proofs have been checked; the published report should be available soon.

The 20th Symposium (1991) final report was sent to US editor on disk.

Dr. Konishi suggested that deadlines for the 21st Symposium be delayed by one month due to the delay in the conference. Final submissions would be due at the end of February. The Committee must standardize the format to be used for diskettes: for IBM use 2 HC: for Macintosh use 2 DD.

The US will provide reformatted disks to Japanese authors.

The U.S. report was presented by Dr. McVey. Dr. McVey presented the status of 1991 proceedings. 8 manuscripts have been completed. Completion of the proceedings is expected by April 1993.

The goal for future meetings is to complete the proceedings prior to the next meeting. To achieve that, Dr. McVey asked US authors to have manuscripts ready by this meeting. Review of the US papers available will commence immediately. The Japanese papers will be reviewed after the February deadline with the expectation that they will be published by August 19, 1993.

Dr. McVey is also working on a new technology using software to integrate US and Japanese papers at the time of the meeting. This technology was tested at a US Workshop with good success. Dr. McVey also has copies of current instructions and will present those to Dr.

Konishi. Dr. Itoh requested copies of NOAA Technical Report #106 on the 1989 meeting from Dr. Mahnken. Dr. McVey replied that they had been sent by surface mail.

E. General Discussion

Dr. Itoh: Stated that there were no additional topics from the Japanese side.

Dr. McVey suggested that we should hold informal discussions here at this meeting. We would like to pursue exchange of young scientists to establish long term collaborations.

F. Plans for Next Meeting

Dr. McVey stated that plans are being developed by Dr. William Heard and Dr. Brenda Baxter of the Alaska Sea Grant Program. The meeting has been moved to August 19, 1993 (from the usual time of October).

Dr. Heard presented details:

Aug. 21, 22: At Homer, Alaska: The business meeting will be held Aug 21, the symposium will be August 22nd.

Aug. 23, 24: Field trip and travel to Seward.

Aug. 25, 1/2 day satellite symposium at Seward.

Aug. 26: Field trips and travel back to Anchorage.

Aug. 27: Field trips around Anchorage.

Visits will include: Hatcheries, wild streams and fish processing plants. The theme (which is very important for the US) is; Interactions Between Cultured and

Naturally Occurring Species in the Environment.

Dr. Itoh will be the Japanese counterpart for 1993 meeting. Dr. Itoh requested Dr. McVey to provide letters of invitation to researchers who need to obtain travel funds.

G. Field Trip

The schedule is as shown in the itinerary distributed at registration (Appendix IX).

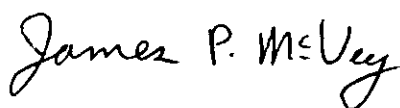
II. Symposium

The symposium was divided into 6 sessions. A total of 22 papers was presented. Following the papers was a one hour discussion led by the Co-Chairmen.

The discussion included comparisons of the Japanese and US experiences with social considerations and regulations affecting aquaculture development. The US speakers commented that ecological concerns in the form permitting requirements seem to be greater in the US. The Japanese speakers said that local communities can and do control the very near shore uses, but that, off shore use is not so controlled and that in general, aquaculture production has precedence over recreational uses. Also in Japan salt water production is more valued while in the US fresh water aquaculture predominates. Recreational uses may become more influential in Japan in time. There seemed to be fewer restrictions in Japan concerning attempts to culture non-native species

although there also seems to be little culture of non-native species at present. Apparently there is much more use of hatchery-release and ranching techniques in the US than in Japan. Japanese and US comments stressed the importance of biocontrol mechanisms over drug and antibiotic use for practical reasons (Japanese) as well as reasons of regulatory constrictions (US).

Dr. McVey requested that the participants submit comments on any new ideas resulting from the meeting and for any suggestions on possible collaborative studies (Appendix X). He stressed that these submissions will lead to greater interactions between the US and Japan which, in turn, will provide arguments for continued support by the sponsoring agencies. Drs. McVey and Takagi made closing remarks and adjourned the meeting.



U.S. Chairman



Japanese Chairman