

Joint Statement of the UJNR

Aquaculture Panel

August 27, 1977

Santa Barbara, California

The Sixth Joint meeting of the UJNR Aquaculture Panel was convened at the Santa Barbara Campus of the University of California, Santa Barbara, on the 27th of August, 1977.

The meeting was opened by past Chairman, Mr. William Shaw who welcomed the Japanese and U.S. Panel members. Dr. M. Fujiya, on behalf of the Japanese Panel Chairman, Dr. Sato, who was unable to attend, expressed his pleasure at being able to participate in the meeting.

Dr. Fujiya introduced the other two members of the Japanese Panel, Dr. Hitoshi Kito and Dr. Yunosuke Saito, and Mr. Shaw introduced the members of the U.S. Panel: Mr. Robert Wildman, Dr. Al Sparks, Dr. Carl Sindermann, Mr. Ben Drucker, Mr. Conrad Mahken, and Mr. Daniel Hunt. Mr. Shaw also introduced three guests: Dr. Arthur Mathieson, seaweed expert from the University of New Hampshire, Dr. Mike Neushal, seaweed expert from the University of California, Santa Barbara, and Mr. Jim Wessner, student and translator, USC, Santa Barbara.

Mr. Shaw and Dr. Fujiya were elected Co-chairmen of the meeting and Dr. Kito and Mr. Hunt were elected co-rapporteurs.

Mr. Shaw stated that the U.S. Panel would probably be expanded in the future to include representatives of the Department of Agriculture and the Environmental Protection Agency because of proposed legislation which could expand current aquaculture interests in those agencies. He also stated that the inclusion of environmental and public health representation to the Japanese Panel might enhance the effectiveness of the UJNR Aquaculture program. Both Co-chairmen agreed to update addresses and names of all panel members.

Two papers were presented by the Japanese Panel member, Dr. Saito: "The Present Status of Brown Algae Culture in Japan," "Information on Culture of Phytoplankton for the Aquacultural Needs in Japan," and Japanese panel member, Dr. Kito presented a report on "Recent Problems in Nori Culture in Japan." Dr. Mathieson presented a status report on commercial seaweed production in the U.S. and Mr. Shaw presented a report on "The Use of Phytoplankton for Aquaculture Needs in the U.S."

Following the scientific section of the meeting, the Japanese Panel discussed a proposed five year plan of activities for the UJNR Aquaculture Panel. The topical outline for the plan is listed as follows:

1977	Seaweed Culture	U.S.
1978	Marine Finfish Culture	Japan
1979	Freshwater Finfish Culture	U.S.
1980	Crustacea Culture	Japan
1981	Molluscan Shellfish Culture	U.S.

The U.S. Panel expressed strong interest in having Salmonid culture as a symposium topic in the near future. The Japanese Panel explained that the Japanese fisheries department has embarked on a five year study of salmon production and did not wish to include salmon in the marine finfish symposium pending completion of the five year study. It was concluded however, that intensive study aspects of salmon culture such as pen raising or silo rearing might be included in the marine finfish symposium scheduled for 1978.

Both panels agreed that the papers presented at the symposia conducted during the five year period should be published in a book, however, the Japanese panel suggested that the book should not include papers on salmon.

The U.S. Chairman proposed that future meetings of the UJNR Aquaculture Panel be held in conjunction with fishery agency symposia or special symposia conducted by fisheries departments of colleges or universities. The highly successful Fish Nutrition Symposium presented at the University of Delaware in conjunction with the Fourth UJNR Aquaculture Panel was given as an illustration of how UJNR projects could be presented in such a way as to provide better dissemination of the technical information. Such symposia could be of special benefit to many of the young scientists and students. The Japanese Panel indicated that the large numbers of research centers and numbers of students in aquaculture in Japan would cause difficulties in arranging this type of meeting. However, this topic would be given careful thought and consideration for possible future action.

The panel as a whole concluded that the scientist exchange program sponsored by the UJNR has been an effective means of promoting the science of aquaculture and exchange of information between our two countries. In the next exchange series the Japanese would like to send a fish disease specialist to the U.S., and the U.S. Panel is interested in sending a specialist in finfish culture to Japan to study methods of culturing sea bream. A Japanese abalone expert from private industry is also being considered as a candidate for the exchange program. Dr. Sparks and Dr. Sinderman will be responsible for the itinerary of the Japanese fish disease specialist in the U.S. and Mr. Shaw will attempt to select someone to go to Japan to study sea bream culture.

Exchange of literature was the next item to be discussed. Mr. Shaw described the OASIS index of aquaculture bibliographies established in this country and the proposed aquaculture literature translations service currently being developed by the Aquaculture Subcommittee of the Interagency Committee on Marine Science and Engineering. He stated that any publications translated by this group would be made available to the Japanese Panel. He further proposed that both the U.S. and Japanese panel members collect current aquaculture publications during the year and exchange them at the yearly meetings.

Possible future projects for the UJNR Aquaculture Panel were discussed. The U.S. Panel proposed three topics of particular concern to the U.S. for future panel programs. These were:

1. Methods of evaluating release programs
2. Ocean finfish culture
3. Carrying capacity of the ocean for salmon

In response to these proposals, the Japanese Panel indicated that their studies of methods of evaluating release programs were not conclusive at this time. Again, the Japanese panel preferred to postpone discussions on salmon until their five year study project is completed. Ocean finfish culture, with the exception of salmon is scheduled for the 1978 UJNR meeting in Japan.

Dr. Sindermann presented a report "Histological Examination of Crassostrea gigas Samples from Japan, 1977" prepared by Mr. Fred Kern of the NMFS Lab, Oxford, Maryland, as a part of the UJNR sponsored joint oyster mortality study. This joint effort has been successful and was described as an excellent example of the types of projects which should be sponsored by the UJNR Aquaculture Panel.

Mr. Shaw reported that Dr. Dupuy, Virginia Institute of Marine Science has developed a hybrid cross between the eastern and pacific oysters. Due to local marine conservation laws, he is not permitted to culture the oysters in local waters. Mr. Shaw asked the Japanese Panel if there might be a group in Japan who would culture and conduct further experimentation on the hybrid stock in Japanese waters.

Dr. Fujiya replied that he would investigate the possibilities of such studies upon his return to Japan.

The Japanese Panel stated that the U.S. Panel Chairman would be notified of the dates and location of the 1978 meeting in Japan when plans have been completed. The meeting was then adjourned by Co-Chairman Shaw.

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William N. Shaw

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Shigekatsu Sato

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