

Statement of the Twenty-fourth Joint Meeting of the UJNR
Aquaculture Panel
October 9-10, 1995

The twenty-fourth joint meeting of the UJNR Aquaculture Panel was held on October 9-10, 1995, at the Marriott Hotel, Corpus Christi, Texas. A business meeting was held on the morning of October 9, followed by a symposium. The theme of the symposium was "Water Effluent and Quality, with Special Emphasis on Finfish and Shrimp Aquaculture."

Dr. James McVey, Chairman of the U.S. Delegation and Aquaculture Program Director for the National Sea Grant College Program, warmly welcomed Dr. Masanori Azeta, Chairman of the Japanese Delegation and other members of the Japanese Panel. Dr. Addison Lawrence, host for the meeting, and Professor and Project Leader, Shrimp Mariculture Project, Texas A&M University, Port Aransas, was also introduced. Dr. McVey stressed that aquaculture worldwide will be limited by environmental considerations and that we must develop environmentally friendly and sustainable technologies.

Dr. Azeta pointed out that during UJNR's 24-year history from 1971, the UJNR meetings have contributing to the development of aquaculture in Japan and the United States and also worldwide. He indicated that we are now facing a shortage of food worldwide and various environmental problems. He proposed that the Aquaculture Panel should prepare a plan for the next five years, from 1997, regarding these programs. The theme of this year is timely for the

next five-year plan of UJNR and for the programs for the food shortage and environmental problems. He expressed his sincere thanks to Dr. McVey and other members of the UJNR USA Panel for planning this meeting. He also confirmed that the annual UJNR meeting have been beneficial to the growth of young international scientists in aquaculture in Japan.

Dr. McVey introduced the American panel members: Drs. Anthony Calabrese, Conrad Mahnken, Paul Kilho Park, Addison Lawrence, William Heard, John M. Miller, and Ms. Linda Pikula, Ms. Jane Keller was designated as rapporteur. Dr. McVey also pointed out that moderators for each session of the symposium had been determined.

Dr. Azeta introduced his panel members: Dr. Nagahisa Uki, Secretary General of the UJNR Aquaculture Panel, located at the National Research Institute of Aquaculture (NRIA), and Drs. Kazumi Hosoya, Kazuhiro Nakajima, and Masachika Maeda as the Secretaries of NRIA, and Drs. Tadashi Ando, Toshiyuki Suzuki, Noriko Ishida, Goro Yoshida, Masanori Okauchi, and Jyunya Higano as members of the National Institutes of Fisheries Science. He introduced Dr. Atsushi Furukawa and Dr. Masaru Fujiya, members of the Advisory Board. Dr. Tohru Suzuki (NRIA) was introduced as rapporteur.

The agenda for the business meeting, symposium program, and abstracts are attached (Appendixes I, II, III, IV, V and VI).

Scientist Exchange Program

Dr. Maeda indicated that 26 Japanese scientists visited the United States during the past year. A list of those scientists was given to Dr. McVey (Appendix VII).

Dr. McVey indicated that a group of U.S. scientists and policymakers from North Carolina had visited Japan to observe the Japanese oyster industry. He thanked the Japanese Panel for the help they gave the blue ribbon committee to better manage the oyster industry in North Carolina. A list of these names will be provided. Dr. Park visited NRIA in April 1995 and at that time discussed plans for the present meeting. Dr. McVey expressed his pleasure in the strong exchange program to the United States.

Literature Exchange Program

Dr. Suzuki passed to Dr. McVey a list of 120 reprints which were collected from 10 research institution (Appendix VIII). Dr. McVey indicated that 79 reprints from the U.S. Panel were listed (Appendix IX).

Dr. McVey asked Linda Pikula to speak on her program. She explained that NOAA works cooperatively with the National Agricultural Library, National Aquaculture Information Center, and produced an extensive bibliography on aquaculture. This bibliography has recently been translated to Japanese by the NOAA Library working with Dr. Michael Willinski, an affiliate member of the Panel. Copies of the bibliography were handed out. NOAA has also provided funds for a gray literature bibliography originating from the Pacific Islands. This is accessible over the internet site maintained by the University of Hawaii. The NOAA Library will continue to support the UJNR information exchange. Dr. McVey suggested that the two sides can meet on this subject. In response, Dr. Azeta indicated that a list of Japanese scientists has been

recently entered on the internet, and that the lists of both science and literature exchanges have been edited on the internet. Dr. McVey indicated that the United States would do the same and indicated his cooperation to open up this additional communication. Dr. Park spoke about the Global observation Information Network and the International Directory Network. He pointed out that he has copies of brochures on these two operations if anyone is interested. He emphasized the importance of data exchange.

Cooperative Studies

Dr. Nakajima handed out a list of researchers - Japan (Appendix X) and a list of research subjects - Japan (Appendix XI) which were requested by USA panel. Next, he explained that Dr. Yasuo Inui, Director of the Pathological Division, NRIA, has proposed a new cooperative theme for an international symposium in 1996 entitled, "New Approaches to Viral Diseases of Aquatic Animals." Dr. Inui is now applying for a grant for this symposium as an international workshop with the Japan Science and Technology Agency. Dr. James R. Winton of the U.S. Fish and Wildlife Service, Seattle, is the U.S. counterpart. Dr. Inui is the contact person for Japan. Dr. McVey volunteered his help with this program and offered to write a letter in behalf of the program.

Publications

Dr. Hosoya informed that one hundred copies of the Proceedings of the 22nd meeting were received; he then explained

the editorial situation for the Proceedings of the 23rd meeting in Ise, Japan. All Japanese manuscripts have been edited, and 4 out of 13 U.S. manuscripts have been edited. He requested submission of the remaining 9 U.S. manuscripts by the end of October 1995. The Japanese side requested that the members responsible for editing be mentioned in the Proceedings of the 23rd meeting. The editorial members are in order: Dr. Azeta, Dr. Hosoya, Dr. Park, Ms. Keller and Dr. McVey. In addition, Dr. Tanaka and Dr. Itou should be listed as organizing coworkers. Dr. McVey suggested that members of the organizing committee appear in the Proceedings. Dr. McVey apologized for the delay in submission of U.S. manuscripts, but due to a change in editors, the editorial procedure had been delayed.

Concerning the Proceedings of this meeting, Dr. Hosoya suggested that a deadline should be set and the format for manuscripts should be determined. Mrs. Keller indicated that "Instructions to Authors" had been prepared and were given to Dr. Hosoya. Dr. Park indicated that a deadline of November 17, 1995, had been set, and that diskettes for use by the Japanese participants would be given to Dr. Hosoya for distribution.

General Discussion

A. Next Five-Year Plan

Dr. McVey spoke of the importance of the relationship of aquaculture to the environment and how this pertained to the proposed five-year plan.

Dr. Azeta emphasized the importance to develop aquaculture, sustaining species diversity, and production capacity. He also

stressed the importance of severe changes in the ecosystems and that inshore and coastal ecosystems must be better managed. Dr. McVey echoed the importance of nurturing living resources in order to maintain continuity of stocks, and stressed that aquaculture will be dealing with productivity as well as the carrying capacity of the environment. Dr. Azeta feels that community populations must sustain their health for development and must be dealt with, in terms of future direction. Dr. McVey indicated that the Japanese concerns are the same concerns as those in the United States and that the two sides should adopt this direction for the future and for the proposed five-year plan.

Dr. Azeta indicated that during 1997-2001, UJNR should look at the entire ecosystem holistically and that details of this five-year plan should be prepared by both sides, and that at the 25th meeting in 1996 this direction should be discussed and adopted. Dr. McVey suggested that an agreement should be prepared for joint signatures to adopt this topic at next year's meeting.

Dr. McVey indicated that a letter of invitation had been received from the New Hampshire Sea Grant College to host the UJNR Aquaculture Panel meeting in 1997. Possible topics indicated were: offshore aquaculture, and culture of nori, sea urchins, and sea cucumbers. Dr. McVey indicated that the Panel can look at biodiversity of inshore and offshore species and polyculture and that discussions will be held regarding the theme at a later date.

Dr. Miller from the North Carolina State University, Department of Zoology, indicated that systems ecology of flatfish will be the main topic next November at the Third International

Flatfish Symposium, NIOZ, Texel The Netherlands. Dr. Miller mentioned that flatfish management has been suggested as the theme for the fourth symposium in 1999, at a site to be determined. Dr. Miller extended an invitation for Aquaculture Panel members to attend this symposium and, if interested, may contact Dr. Tanaka, his counterpart in Japan, at Kyoto University, or Dr. Miller. Dr. Lawrence mentioned that there are three major upcoming workshops relative to this topic, one to be held in Bangkok and two in Texas.

B. Plans for Next Joint Meeting

Dr. Uki distributed an announcement on the "International Symposium on Assessment and Status of Pacific Rim Salmonid Stocks" of the North Pacific Anadromous Fish Commission on October 28-29, 1996, in Sapporo, Japan. It was pointed out that the scheduling of this meeting might be appropriate to coincide with the UJNR meeting next year. Dr. McVey suggested that this should be entered on the electronic network.

Dr. Azeta mentioned that the next meeting will probably be held at the National Research Institute of Fisheries Science in Yokohama, which has a new international meeting facility with bilingual capacity. Dr. Uki proposed that the theme should be "Biodiversity and Aquaculture - for Sustainable Production." He explained that the marine ecosystem is affected by human activities, including fisheries, aquaculture, and artificial releasing of juveniles. He proposed that in the next symposium we discuss the effects of fisheries and also aquaculture on the marine ecosystem. Topics might include genetics, species diversity, and

ecodynamics problems. Dr. Uki indicated that plans for field trips are now underway and suggestions are welcome. The exact date of the meeting has not been decided.

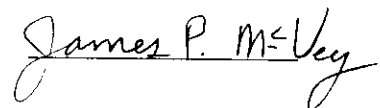
Dr. William Heard made the suggestion that next year's field trip in Japan should move from south to north in order to place us closer to the meeting site scheduled for the International Symposium on Assessment and Status of Pacific Rim Salmonid Stocks.

Dr. Uki requested to have a ballpark number of how many will attend. Dr. McVey indicated that severe government restraints exist, and perhaps 12-15 participants will try to attend.

Dr. Azeta and Dr. McVey announced that all business had been concluded. The 24th meeting of the UJNR Panel on Aquaculture was then adjourned.



Masanori Azeta
Japanese Chairman



James P. McVey
U.S. Chairman