

STATEMENT OF THE SIXTEENTH JOINT
MEETING OF THE UJNR AQUACULTURE PANEL

October 20-21, 1987

The sixteenth joint meeting of the UJNR Aquaculture Panel was held on October 20-21, 1987 at the Marine Resources Institute in Charleston South Carolina USA. A business meeting was held in the morning of October 20 followed by a Symposium on October 20 and 21. The topic of the Symposium was "Genetics in Aquaculture". Takeshi Nose, Japanese Panel Chairman, and Conrad Mahnken, U.S. Panel Chairman presented welcoming addresses and opening greetings. Panel members, guests and observers were introduced by the respective Panel Chairmen. (Appendices I and II).

I. Business Meeting

The business meeting was chaired by the Japanese Secretary General, Koji Wada and the U.S. Vice Chairman James McVey. Rapporteurs for the meeting were Teruyuki Nakanishi and Alfred Fox.

The following matters were discussed during the business meeting:

1. Exchange of scientists

The exchange of scientists under the auspices of the UJNR Aquaculture Panel continued in 1986-87. During that time, arrangements were made for the following exchanges:

- 1) Toshihiko Matsusato, Agriculture, Forestry and Fisheries Research Council Secretariat in Ministry of Agriculture,

Forestry and Fisheries -- To Northwest and Alaska Fisheries Center and National Fisheries Research Center in Washington, and the National Fish Health Research Laboratory in West Virginia. Studies on fish disease control systems. March, 1987.

- 2) Yasuyuki Horio, Research Division, Research Department, Fisheries Agency in Ministry of Agriculture, Forestry and Fisheries -- To Northwest and Alaska Fisheries Center and National Fisheries Research Center in Washington, and National Fish Health Research Laboratory in West Virginia. Studies on fish disease control systems. March, 1987.
- 3) Christopher Toole, Marine Advisory Program, Cooperative Extension, University of California -- To National Research Institute of Aquaculture in Mie Prefecture, Kanagawa International Fisheries Training Center in Kanagawa Prefecture, National Salmon Hatchery in Hokkaido and Tohoku Regional Fisheries Research Laboratory in Miyagai Prefecture. About fisheries extension work and Sea Grant advisory activities in Japan. March to April, 1987.
- 4) Tsuneo Honjo, Environmental Management Division, National Research Institute of Aquaculture -- To University of Washington, and Northwest and Alaska Fisheries Center in Washington, Wildlife and Marine Resources Department,

Waddell Mariculture Center in South Carolina, Marine Research Laboratory in Florida, Marine Biomedical Institute, University of Texas Medical Branch in Texas and Institute of Ocean Sciences in Canada. Studies on immunological reactions between phytoplankton species. September to November, 1987.

- 5) Teruyuki Nakanishi, Pathology Division, National Research Institute of Aquaculture -- To Wildlife and Marine Resources Department, Waddell Mariculture Center in South Carolina, National Fish Health Research Laboratory in West Virginia, UCLA in California and Northwest and Alaska Fisheries Center in Washington. On immunogenetic studies. October to November, 1987.
- 6) Hiroshi Onozato, Genetics and Breeding Division, National Research Institute of Aquaculture -- To Wildlife and Marine Resources Department, Waddell Mariculture Center in South Carolina, Marine Research Laboratory in Florida and Marine Biomedical Institute, University of Texas Medical Branch in Texas. Studies on chromosomal engineering. October 1987.
- 7) Yutaka Natsukari, Faculty of Fisheries, Nagasaki University -- To Marine Biomedical Institute, University of Texas Medical Branch in Texas and Baruch Institute for Marine Biology and Coastal Research, University of South Carolina

in South Carolina. On taxonomical and genetical studies of squid. March, 1987 to January, 1988.

- 8) Dr. James McVey has taken over the scientist exchange program, succeeding Dr. Wildman. Two Japanese scientists will visit and work on cooperative projects during 1987-88.
- 9) Katsuro Ashida, (Section of Biochemistry, Division of Biological Chemistry) Tokai Regional Fisheries Research Laboratory, Tokyo 104, will be working on neuropharmacologically active substances of marine organisms with his counterpart Dr. William A. Catterall, Department of Pharmacology, School of Medicine, University of Washington, Seattle, Wa. 98195. He will be here for two months from December 1987 to January 1988.
- 10) Keiji Hirose, National Research Institute of Aquaculture, Nansei, Mie 516-01, will be working on development of slowly releasing method of hormone for induced spawning in fish with his counterpart Dr. C. S. Lee, Oceanic Institute, Waimanamo, Hawaii 96795. He will be here for 15 days in early December 1987.

2. Literature Exchange

The Japanese Panel received 160 papers and a bibliography listing the papers sent by the U.S. Panel on October 20, 1987. The

Japanese Panel sent 67 papers with a bibliography listing the Japanese papers plus ten copies of the English version of "Annual Report on Japan's Fisheries (1986)" to the U.S. Panel on September 21, 1987.

3. Cooperative Studies

a) Introduction of non-indigenous species.

Dr. Sindermann prepared draft guidelines and forwarded them to the Japanese counterpart, Dr. Suzuki, for review. The draft was reviewed and returned with comments by Dr. Suzuki. Dr. Suzuki's comments have been incorporated and a final draft will be given to all panel members for review. The manuscript consists only of guidelines, no regulations or policy are included.

b) Preparation of a Registry of Fish Pathology (ROMP):

Dr. Matsusato transferred to Ministry of Agriculture leaving the Registry uncompleted. However, since good progress had been made by Dr. Matsusato in gathering slide material and compiling lists of diseases it was recommended that the project be considered finished.

c) Preparation of an International Index of Marine Aquaculture Diseases.

It was decided that this new project be prepared in book

format and include significant diseases of commercial aquaculture species in Japan, North America and Europe.

Since the Index is related to the previous study it was proposed that a new project proposal incorporate pertinent material, ROMP.

Dr. Carl Sindermann will provide the Japanese Chairman Dr. Nose with more details on this project.

4. Status of Publications

Dr. Carl Sindermann completed his tour as editor with the proceedings of the 13th UJNR meeting. Dr. Albert Sparks succeeded Sindermann and reported that the proceedings of the 12th meeting (1983) had been published; the 13th proceedings (1984) will be published next year and he has completed editing the proceedings of the 14th meeting (1985). He has now started editing the proceedings of the 15th meeting (1986).

Chairman Mahnken noted that all papers should be sent directly to the Editor by the end of next March. Starting with the 1988 Symposium all manuscripts should be full papers, not expanded abstracts. Sparks will provide authors instructions for manuscript preparation. Both chairmen thanked Dr. Sindermann for his past work as editor and also indicated their mutual appreciation for the new editor, Dr. Sparks.

5. Other Business

- a) MRECC Charter: U.S. Chairman Mahnken prepared a draft charter and submitted it to all members for review. Chairman Nose stated that the draft very concisely described the activities of UJNR. He will take the draft back to Japan for review with the Japanese Panel members and then return it to Chairman Mahnken by the end of January 1988.
- b) Proposal for Joint Meeting with World Aquaculture Society (WAS).

The possibility of a joint meeting with WAS was discussed but no decision has been made.

- c) Encouragement of International Exchange of Scientists by Japanese Government.

Chairman Nose stated that the Japanese Agency for Science and Technology was preparing to establish cooperative projects with foreign scientists. He feels that it is possible that at least one project might be developed by UJNR. He stressed that the project should be quite broad encompassing or bridging the fields of Fisheries with other industry or other disciplines such as human health,

agriculture etc. More information on this matter will be forthcoming.

d) Plans for the next joint meeting.

The next joint meeting will be held in Japan. The Japanese Chairman, Dr. Nose suggested that the topic nutrition be set aside in favor of a new topic, Marine Ranching. The basis for this suggestion is that the Japanese will complete a ten year project on this subject in 1988 and would like to share the information they obtained with their American counterparts. The topic would be of broad scope and cover diseases, nutrition, genetics, physiology, etc. Chairman Mahnken advised that the U.S. Panel would be able to contribute more papers if the topic (Marine Ranching) included salmon.

The location of the meeting was tentatively decided to be Ise city near NRIA with a field trip in the Tohoku region and the eastern part of Hokkaido. Details for the meeting and field trip will be worked out and sent to Chairman Mahnken for approval.

e) Information on the field trip

Dr. Manzi of the Waddell Center provided information on the 1987 field trip.

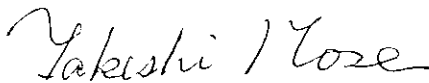
II. Symposium

The main symposium was held in Charleston, S.C. with a satellite symposium at the University of South Florida. Nineteen papers were given at the main symposium and six papers were delivered at the University of South Florida. The symposium agenda are included in Appendix III and IV.

The Japanese and U.S. Chairman thanked Dr. Manzi for the well planned field trip and beautiful location for the symposium.

Charleston, S.C.

October 20-21, 1987



Takeshi Nose
Chairman



Conrad Mahnken
Chairman