

STATEMENT OF THE SEVENTEENTH JOINT  
MEETING OF THE UJNR AQUACULTURE PANEL  
Oct 16-17, 1988

The seventeenth joint meeting of the UJNR aquaculture panel was held on October 16-17, 1988 at the Mie Kosei Nenkin Kaikan, Ise, Mie, Japan. A business meeting was held on the morning of October 16 and working sessions were held on the evening of October 16 and at mid-morning and lunch on October 17. A symposium on the topic of marine ranching was held on October 16 through October 18. Conrad Mahnken, US Panel Chairman and Hisashi Kan-no, Japanese Panel Chairman presided over the symposium. The program describing the symposium presentations, authors and moderators is provided in Appendix I and a list of all panel members, guests and observers is provided in Appendix II.

I. Business Meeting

The new Japanese chairman, Dr. Hisashi Kan-no director of the National Research Institute of Aquaculture was introduced. The business meeting was chaired by the U.S. and Japanese panel chairman, assisted by the Japanese Secretary General, Koji Wada, and the U.S. Vice Chairman, Eugene Fritz. Rapporteurs for the meeting were Katsuhiko Wada and John Manzi. The following items were discussed at the business meeting:

A. Scientist Exchange

Under the auspices of UJNR, several scientists were exchanged between the U.S. and Japan in 1987-88. These include:

Katsuro Ashida, Section of Biochemistry, Division of Biological Chemistry, Tokai Regional Fisheries Research Laboratory ... to the Department of Pharmacology, School of Medicine, University of Washington. Studies were carried out on neuropharmacologically active substances of marine organisms. December 1987 to January 1988.

Keiji Hirose, Fish Reproduction Division, National Research Institute of Aquaculture ... to the Oceanic Institute, Oahu, Hawaii. Studies were carried out on development of slowly releasing hormone implants for induced spawning in fish. December 1987.

Haruhiro Momma, Hokkaido Institute of Mariculture ... to Wildlife and Marine Resource Department, Waddell Mariculture Center in South Carolina, Marine Research Laboratory in Florida and Marine Biomedical Institute, University of Texas Medical Branch in Texas. Purpose was to attend UJNR meetings and satellite symposiums. October 1987.

Kazutsugu Hirayama, Department of Fisheries, Nagasaki University ... 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. Purpose was to attend UJNR meeting and satellite symposiums. October 1987.

Masanori Okauchi, Genetics and Breeding Division, National Research Institute of Aquaculture ... to the Oceanic Institute, Oahu, Hawaii. Studies were

carried out on the mass culture of Isochrysis galvana (Tahiti strain) as a food organism. January to April 1988.

Walton Dickhoff, NOAA, Northwest and Alaska Fisheries Center ... To School of Fisheries Science, Kitasato University, Sanriku, Iwate Prefecture. Studies were carried out on salmon pituitary hormone purification.

Chairman Kan-no stated that the Japanese side hopes to send a Japanese scientist to the U.S. at the time of next joint meeting. The U.S. side accepts the proposal and will prepare appropriate letters of introduction.

## B. Cooperative Studies

### 1. Ongoing Studies

a. International Index of Marine Aquaculture Diseases. Chairman Kan-no indicated that the Japanese side has nominated Dr. Egusa, President of the Japanese Fish Pathology Society, as Japanese coordinator of the International Index of Marine Aquaculture Diseases. If Dr. Egusa accepts, he will work with Dr. Sindermann of the U.S. and with Dr. E. Egidius of Norway who will be the European Coordinator. These three individuals will act by correspondence to begin assembling the document. Much of the material required for these diagnostic summaries are already available in various forms. This will make the compilation of this book proceed rapidly.

b. Introduction of Non-indigenous Species. Chairman Kan-no indicated that the Japanese side has reviewed the latest draft of Dr. Sindermann's guidelines for the introduction of non-indigenous species. But the U.S. side

has been unable to come to an agreement regarding these guidelines for the following reasons:

- each state in the U.S. as well as the federal government (through the U.S. Fish and Wildlife Service) have separate and often different policies regarding introduced species. The complexity of this situation as well as the lack of common agreement among all U.S. federal agencies makes it impossible to accept a uniform set of guidelines at this time.
- a uniform set of guidelines cannot be applied to all species at all times. Individual cases will arise that are not covered by these guidelines. Further, guidelines even without the weight of law tend to become regulations over time.
- The Japanese side registered similar reluctance to proceed with the development of the guidelines. This cooperative project has been tabled indefinitely.

## 2. New Studies

No new studies were proposed. But a general discussion was held concerning recent and pending changes in Japanese and U.S. fisheries and aquaculture agencies that might affect the direction of future cooperative projects. Chairman Kan-no stated that Japanese fisheries agencies are focusing on the following problems and needs of the fishing and aquaculture industries:

- the culture of organisms for the creation of new fisheries (marine ranching).

- management of fishery stocks
- preservation of coastal water quality

Dr. Kan-no further stated that Japanese fishery agencies are being charged with developing the new technologies necessary to address these research priorities. Greater international cooperation and exchange is also being encouraged.

#### C. Literature Exchange

The Japanese Panel sent 161 papers and a bibliography of the Japanese papers. In addition, the Japanese side sent copies of the English version of the Annual Report on Japan's Fisheries (1987). The U.S. panel attempted to bring a collection of 155 papers to the meeting but were hindered by baggage problems. These papers will be sent to the Japanese panel shortly.

#### D. Status of Publications

It was reported that Dr. Albert Sparks, has retired as the editor of the UJNR proceedings. The editing of the 1984 and 1985 Proceedings was completed and the galley proofs of these two publications were presented to the Japanese representatives. The proceedings of the 15th meeting is presently under editorial review. The proceedings of the 16th meeting cannot proceed until all the papers from the Japanese participants are received. The U.S. side agreed to continue to publish the proceedings as a NOAA Technical Report. A new editor of the proceedings will be appointed and the U.S. side indicated that it would also appoint an assistant to this editor. In addition, the Japanese side will appoint a coordinator to assist with communications and logistics for the Japanese contributors to the proceedings. Dr. Kan-no

thanked the U.S. side for continuing to publish the proceedings of the UJNR symposia.

E. Other Matters

1. The UJNR Charter was read in both Japanese and English and revisions were suggested by the Japanese and U.S. sides (Appendix III). In addition, it was suggested that the following two items be included in the charter:

- Recognizing that important aquaculture research in the United States is carried out in both State and Federal Laboratories and Universities with funding from both Federal and State sources, the Panel agrees to encourage the establishment of cooperative relationships between Japanese and American laboratories. These formal agreements will be for the purpose of:

- a. Sharing advances in aquaculture science and technology.
- b. Exchanging scientific personnel.
- c. Participating in joint research projects.
- d. Training young scientists.
- e. Promoting aquaculture research and development in both countries.

- The Panel also agree that an annual conference registration fee would be proper.

2. Plans for the next joint meeting of the UJNR were discussed. It was noted that the Panel had previously agreed to the following:

- 1987 (16th Meeting) - Genetics and Breeding
- 1988 (17th Meeting) - Marine Ranching
- 1989 (18th Meeting) - Maturation Physiology
- 1990 (19th Meeting) - Fish Disease
- 1991 (20th Meeting) - Intensive and Extensive Culture

Dr. Kan-no and Dr. Mahnken agreed that the next meeting should retain its planned topic of maturation physiology. Specific topics under this general theme will include (but not be limited to) the following: induced spawning, control of sexual maturity, vitellogenesis, sex differentiation, etc. The next UJNR meeting will be on the west coast of the U.S.

### 3. Future Meetings

Chairman Mahnken stated that the World Aquaculture Society is presently negotiating to hold its annual meeting in Kyoto Japan in the fall, 1992. He suggested that the UJNR consider holding its annual meeting in conjunction with this conference.

### 4. Field Trip

Information on the field trip to Hokkaido and Sendai was provided by Dr. Nakanishi and Dr. Ogata. The itinerary for the field trip is Appendix IV.

### F. Symposium

The main symposium was held at the Mie Kosei Nenkin Center near Ise City with a satellite symposium at Hokkaido Regional Fisheries Laboratory. A total of 19 papers were presented at the main symposium and 6 papers were presented at the satellite symposium. The symposium program is included in the appendices.

The Japanese and U.S. Chairmen thanked all those who helped plan and organize the 1988 UJNR symposium and field trip.

  
\_\_\_\_\_  
U. S. Chairman

  
\_\_\_\_\_  
Japanese Chairman