

The Executive Committee

Report to the 21st ITTC

1. INTRODUCTION

The Executive Committee of the 21st ITTC has been acting according to The Rules of the Organization as defined in the 20th ITTC Proceedings. In general this means that it has approved and implemented the policies recommended by the Advisory Council. There have been no cases of conflict between the recommendations and the opinion of the Executive Committee. Furthermore, the Executive Committee has made decisions on various matters of more detailed nature, without previous discussion in the Advisory Council.

All meetings of the Executive Committee, except the first one in San Francisco, have been arranged in conjunction with Advisory Council meetings. First there has been the Advisory Council meeting, followed immediately by the Executive Committee meeting.

2. OBITUARIES

It is the sad duty of the Executive Committee to report the deaths of the following distinguished colleagues, appreciating their devoted and fruitful contributions to the ITTC:

Grégoir Aertssen

Professor Ir. G. Aertssen, Professor of Naval Architecture at the University of Ghent (Belgium) died on 7 November 1993.

Born in Wilmarsdonk (Antwerp, Belgium) in 1898, Professor Aertssen graduated from the University of Ghent, specialised in mechanical engineering (1921), electrical engineering (1922)

and marine engineering and naval architecture (1929). He was employed at the Association Vincotte (Brussels), 1923 - 1926, the Antwerp Port Authority, 1926 - 1942, and was appointed Professor at the University of Ghent in 1941, where he was responsible for courses in Naval architecture and head of the Shipbuilding Laboratory until his retirement in 1968.

Professor Aertssen was Chair of the Sea Trials Committee of the Belgian Ship Research Association from 1948 to 1971, a president of that Association from 1966 to 1971. He was on the ITTC Performance Committee (1965 - 1969) and on the Slamming and Wave Load Committees of the ISSC (1961-1970).

He was member of several ship technical societies including the Association Technique Maritime et Aéronautique in Paris, the North East Coast Institution of Engineers and Shipbuilders in Newcastle and the Royal Institution of Naval Architects (Fellow), who honoured him with the William Froude Gold Medal in 1973.

Professor Aertssen published some 80 contributions to various branches of naval architecture, and was recognized as an authority on the sea performance of ships.

Willem van Gent

Member of the Royal Institute of Naval Architects, Member of the Society of Naval Architects and Marine Engineers, passed away in a tragic traffic accident in Wageningen on 16th June, 1994.

Wim van Gent was born on September 20th, 1940 in Amerongen, The Netherlands. He

studied Mechanical Engineering at the Higher Technical College in Arnhem, where he graduated Cum Laude in 1960. He continued his study at the Delft University of Technology at the faculty of Physics. His graduation work was performed at the laboratory of Aero- and Hydrodynamics in Delft, under the supervision of Professor J.O. Hinze. After graduating in 1967, he was employed at the Netherlands Ship Model Basin (NSMB) in Wageningen.

In Wageningen he was in first instance responsible for studies that were carried out in the Special Projects group. In this group he soon specialized in propulsion hydrodynamics, and he conducted many complex experimental and analytical studies. Especially his experiments with special propulsors in the High Speed Towing Tank of NSMB have contributed to a better understanding of some of the basic phenomena concerning ship propulsion. In addition to his experimental work, he also made in-depth studies of propeller theory. He concentrated on developing analytical solutions for several problems regarding the application of lifting surface theory. An important part of this work has been laid down in his Doctor's Thesis entitled "On the Use of Lifting Surface Theory for Moderately and Heavily Loaded Ship Propellers". He defended his Thesis in 1977 at the Delft University of Technology under supervision of his promoter, Professor J.D. van Manen. Van Gent's lifting surface work forms the basis of the propeller analysis code ANPRO that is still used in the day to day propeller design work at the Maritime Research Institute Netherlands (MARIN), as NSMB is called since 1981.

Shortly after the NSMB Depressurized Towing Tank was commissioned in 1972, Wim van Gent assisted in the early research work that was necessary to understand this unique testing facility. In particular after finishing his thesis he concentrated more and more on dynamic phenomena related to the propeller action, such as hull pressure fluctuations, dynamic shaft forces, noise and vibrations. The results of his research work in this field are well known and have been published in many papers. He became an internationally recognized expert, which is illustrated by his membership of the Propeller Committee of the International Towing Tank Conference (ITTC) from 1978 to 1987, which he chaired from 1984 to 1987.

His particular interest in searching the fundamentals of the phenomena he studied resulted in further experimental and theoretical

work regarding e.g. nozzles, hull pressure fluctuations, noise, the dynamic behaviour of cavities on propeller blades, special propeller blade tip configurations, and special propellers like contra-rotating and tandem propellers. One of his last fundamental pieces of research work consisted of his persistent quest for the very basics of scale effects on hull pressure fluctuations, among others by meticulously investigating the vast amount of unique model and full scale data that were obtained from experiments with the Ro-Ro vessel "Nedlloyd Rochester".

Masao Kinoshita

From Japan has come the sad message that Prof. Dr. Masao Kinoshita passed away on July 19th, 1995, at the age of 81. He graduated from University of Tokyo in 1937 and made his professional career as a naval architect at Hitachi-Zosen and as a professor at University of Tokyo.

Prof. Kinoshita served as a member of the Standing Committee of the 10th ITTC, chair of the Executive Committee of the 11th, and vice-chair at the 12th ITTC. His devoted service and achievements in strengthening the ITTC are deeply appreciated.

Svend Aage Harvald

Svend Aage Harvald, Professor of Naval Architecture at the Technical University of Denmark (DTU), died on 8th July 1994 at the age of 73.

Professor Harvald graduated as naval architect from DTU in 1946. After a few years of shipyard employment at Kockums in Malmö and at Burmeister & Wain in Copenhagen, he started his research work on the resistance and propulsion of ships, which became his lifelong interest. Harvald's doctoral dissertation from 1950 on "Wake of Merchant Ships" was based on studies carried out during long visits to the model basins SSPA in Gothenberg, NSMB in Wageningen, and NTH in Trondheim. He was instrumental in the design and construction of the Hydro- and Aerodynamics Laboratory (now Danish Maritime Institute) in Lyngby in 1955-60, where he came back as a director in 1973-76.

Harvald was appointed Professor of Naval Architecture at DTU in 1957 and became a devoted teacher for a whole generation of Danish

naval architects until his retirement in 1991. His vast knowledge and his collection of experimental ship data together with many years of lecture notes were published in his widely used textbook "Resistance and Propulsion of ships" from 1983.

Harvald had a keen interest in the ITTC as well as other societies and conferences of the shipbuilding profession, being a member and co-founder of several.

3. COMMITTEE MEMBERSHIP

The membership was decided at the San Francisco Conference.

Chair:

Mr. A.K. Hansen

Area representatives:

Dr. H. Broberg (Northern Europe)
Mr. J.C. Dern (Southern Europe)
Dr. H. Kitagawa (Pacific Islands)
Prof. C.-M. Lee (East Asia)
Mr. D. Murdey (Americas)
Dr. M.W.C. Oosterveld (Central Europe)

Secretary:

Prof. E. Huse

Ex. officio members were:

Mr. B. Bowden (secretary of Advisory Council)
Dr. A. Hasle Nielsen (chair of Advisory Council)
Prof. J.R. Paulling (past chair)
Prof. W.C. Webster (past secretary)

Mr. Dern retired from his position at Bassin d'Essais des Carenes in 1995. At the meetings in Rome and Seoul Adm. U. Grazioli represented Southern Europe. From primo 1996 Dr. D. Husson replaced Mr. Dern as the representative for Southern Europe.

4. COMMITTEE MEETINGS

From September 1993 until end of March 1996 the 21st ITTC Executive Committee has held 4 meetings. Further meetings will take place during the full Conference in Norway.

A first and very short meeting was held at Grand Hyatt, San Francisco on 25th September, 1993, the last day of the 20th ITTC. New members of the Committee were introduced. The duties of the Committee were summarised, and a tentative meeting schedule was decided, starting with a next meeting in Rome.

The second meeting took place in Rome on 4th October, 1994, hosted by INSEAN. Various matters were discussed, such as redistribution of tasks between Powering Performance Committee and Waterjets Group, new member organisation, cooperation with ISSC and IAHR, and Conference arrangements in 1996 and 1999. Terms of Reference for New Technical Committees and Mechanism for Identifying Specialist Committees, as discussed by the Advisory Council, were endorsed. It was agreed that the 20th ITTC Secretariat should complete its preparation of the manuscript of the revised Catalog of Facilities, and it would then be copied and distributed by the 21st ITTC Secretariat.

The third meeting was held in Seoul on 18th September, 1996, hosted by the Korean Towing Tank Conference and the Korean Society of Naval Architects. Main items on the agenda were the plans for the Conference arrangements in Norway in 1996 and in Korea and China in 1999. In the afternoon of the same day there was a joint meeting between the ITTC Executive Committee and the ISSC Standing Committee, discussing possible procedures for cooperation between ITTC and ISSC.

The fourth meeting was held in Copenhagen on 22nd March, 1996, hosted by the Danish Maritime Institute. A main item on the agenda was the detailed technical program of the 21st ITTC, workshop subjects, allocation of technical session chairships among the Executive Committee members, etc. The plans for the 22nd ITTC were approved.

5. COMMITTEE DECISIONS

5.1 Rules of the Organisation

The revised Rules of the Organisation were endorsed by the Executive Committee at the Copenhagen meeting. They are reproduced as Appendix 1 of the present proceedings.

5.2 New Committee Structure

A new committee structure, developed by the Advisory Council and endorsed by the Executive Committee, is described in Appendix 2, which also contain the Terms of Reference of the committees as well as the Mechanism for Identifying Specialist Committees. The new structure will be effective from 1996 on.

5.3 New Member organisations

The following organisations have been accepted into ITTC membership:

- Istanbul Technical University
Faculty of Naval Architecture and Ocean Engineering
Istanbul, TURKEY
- University of Southampton
Department of Ship Science
Southampton, UK
- Ecole Centrale de Nantes
Laboratoire de Mecanique des Fluides
Nantes, FRANCE
- Universiteit Gent
Vakgroep Toegepaste Mechanica
Scheepsbouwkunde
Gent, BELGIUM
- University of Strathclyde
Department of Ship and Marine Technology
Glasgow, UK
- Instituto Superior Tecnico
Department of Naval Architecture and Marine Engineering
Lisbon, PORTUGAL

The first 4 institutions in the above list were in fact accepted by the Executive Committee of the 20th ITTC. However, they are not included in the list of member organisations in the 20th ITTC Proceedings, and therefore listed above for the sake of completeness.

An application from the University of Michigan to join the Advisory Council will be presented at the next Advisory Council meeting with the recommendation from the Executive Committee that it should be approved.

5.4 Changes in Membership of Technical Committees

At the meeting in Seoul it was agreed that Mr. Don Spencer of IMD, Canada, should replace Mr. Scott Newbury on the Ice Committee.

5.6 Organisation of the 21st ITTC

The 21st ITTC will be hosted by MARINTEK in cooperation with the Norwegian University of Science and Technology. The Conference will start with the first sessions in Bergen, it will continue with workshops on board the Coastal Express ship from Bergen to Trondheim, where the last sessions and the closing ceremony will take place. At the meetings in Seoul and Copenhagen the Executive Committee approved the detailed plans for the arrangement.

5.7 Organisation of the 22nd ITTC

The Chinese Towing Tank Conference and the Korean Towing Tank Conference have submitted an application to host jointly the 22nd ITTC in 1999. Their plans for the arrangement were presented and discussed at the Executive Committee meetings in Seoul and Copenhagen. The final decision is that Korea will have the Chair and the Secretariat of the Executive Committee. The area representative of East Asia will be from China.

5.8 Electronic distribution of ITTC documents

It was decided at the Copenhagen meeting that hardcopy distribution of the ITTC Symbols and Terminology List would not be necessary, since it is now available on WWW.