

2005 Wooster Award



The 2005 Wooster Award presentation ceremony took place on October 13, 2005, during the Opening Session of the PICES Fourteenth Annual Meeting in Vladivostok, Russia. Dr. Vera Alexander, PICES Chairman, and Dr. Kuh Kim, Science Board Chairman, conducted the ceremony. Dr. Kuh Kim announced that **Dr. Daniel Ware (Canada)** was the recipient of the 2005 Wooster Award and quoted the following Science Board citation (reading of the Science Board citation was accompanied by a special slide show dedicated to Dr. Ware):

The Wooster Award was established in 2001 to honour Dr. Warren S. Wooster, the principal founder and first Chairman of PICES, and world-renowned researcher and statesman in the area of climate variability and fisheries production. The award is given annually to an individual who has made significant scientific contributions to North Pacific marine science; has achieved sustained excellence in research, teaching, administration or a combination of these in the area of the North Pacific; has worked to integrate the various disciplines of the marine sciences; and preferably someone who is, or has been, actively involved in PICES activities. The late Professor Michael M. Mullin (U.S.A.), Prof. Yutaka Nagata (Japan), Prof. William Pearcy (U.S.A.) and Prof. Paul H. LeBlond (Canada) were honoured with the Wooster Award from 2001-2004. A permanent plaque identifying Wooster Award winners resides at the PICES Secretariat in Sidney, British Columbia, Canada.

In April of this year, the Science Board evaluated the nominations and selected Dr. Daniel Ware as the recipient of the Wooster Award in 2005. Sadly, Dr. Ware passed away in late July of this year, but we are fortunate that his wife, Madeleine, is able to join us for this celebration of Dr. Ware's accomplishments.

Dr. Ware began his scientific career in 1967 at the University of British Columbia where his doctoral research was part of a multidisciplinary study of food web structure and dynamics in a lake ecosystem. A move to the Atlantic coast for a decade at the Marine Ecology Laboratory

allowed Dr. Ware to conduct theoretical and field research on fish bioenergetics, fisheries oceanography, stock-recruitment theory, and early life history biology of cod, mackerel, and herring. He returned to the Pacific Coast as a scientist at the Pacific Biological Station and served for a period as Head of the herring research section. He collaborated with Japanese scientists in a comparative study of the Oyashio and British Columbia marine ecosystems. Dr. Ware was Adjunct Professor at both the Simon Fraser University and the University of British Columbia. Following his retirement from Fisheries and Oceans Canada in 2000, he was the President of Aquatic Ecosystem Associates, and Chairman of the Science Panel of the Herring Conservation and Research Society.

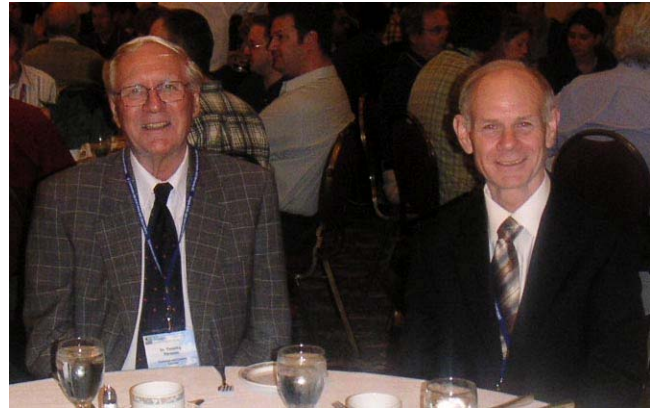
Dr. Ware is unique among the recipients of this award in that his career was spent in government rather than academia. He tackled both theoretical topics in marine ecosystem science as well as scientific problems associated with the management of fisheries. During the course of his career, he either wrote or contributed to over 50 articles in the primary scientific literature. The most recent of these appeared this year in the prestigious journal, Science. Co-authored with Dr. Richard Thomson of Fisheries and Oceans Canada, the paper demonstrated a strong bottom-up level link between primary productivity and resident commercial fish yield for the entire west coast of North America, extending from the California Bight to the western Aleutian Islands. As an example of the breadth of his scientific interests, his first paper in Nature in 1974, coincidentally with the former PICES MEQ Committee Chairman, Dr. Richard Addison, was on contaminants in plankton.

Dr. Ware is also unique in being the first person to hold the position that I now occupy, Chairman of Science Board. He led the Organization through its formative years and was a leading force in the establishment of the PICES/GLOBEC Climate Change and Carrying Capacity Program, or the CCCC Program. After serving his 3-year term at the helm, he continued with the CCCC/MODEL Task Team during the development of the now well-known ecosystem model, NEMURO. He was particularly interested in the role of microbial processes. A special issue of Ecological Modelling to be published in 2006 will be the first major publication on NEMURO and NEMURO.FISH models, and this issue will be dedicated to Dan.

In June of this year, Dr. Ware received the Timothy R. Parsons Ocean Science Award from Fisheries and Oceans Canada. It is given to residents of Canada for distinguished accomplishments in multidisciplinary facets of ocean sciences either during their lifetime or for a recent outstanding achievement. Dan was the first recipient of this Award after Dr. Parsons.



Dan with colleagues at the PICES BASS/MODEL Workshop in Honolulu in March 2001.



Dan at the dinner table with Dr. Timothy Parsons after receiving the Timothy R. Parsons Ocean Sciences Award in June 2005.



A photo with colleagues, many of whom are familiar faces at PICES Annual Meetings.



A gathering of PICES friends at Dan's home in Nanaimo during PICES V in October 1996. Among them are Drs. Warren Wooster and Timothy Parsons.



Dan opening the Welcome Reception at a PICES Workshop in Nemuro in January 2000.



Dan with close friends and colleagues Drs. Makoto Kashiwai and Tokio Wada in a fish market in Japan. Makoto became PICES' second Science Board Chairman after Dan, and Tokio is the current Vice-Chairman of PICES.

Dr. Warren Wooster was the Chairman of PICES during the period when Dr. Ware served as the Science Board Chairman, and they developed a special working relationship. Dr. Alexander read the following tribute sent by Dr. Wooster:

To a taxonomist, the word “holotype” designates the single specimen used as the basis for the original description of a species. In re-reading the criteria for the Wooster Award, I realized that Dan Ware must have been its holotype. His research was certainly inter-disciplinary as it focused on important aspects of ecosystem response to human and climate interactions. This was a central theme of PICES from the beginning and one that he significantly advanced as first Chairman of the PICES Science Board and then as active participant in its working groups. Both his scientific contributions and his sustained efforts on behalf of our organization clearly qualify him to receive the award. He was a valued friend and colleague, and one who will be greatly missed.



Dr. Alexander presented a commemorative plaque to Ms. Madeleine Ware, who accepted the award with the following remarks:



Wooster Award recipients: 2001 – Prof. Michael Mullin (U.S.A.); 2002 – Prof. Yutaka Nagata (Japan); 2003 – Prof. William Percy (U.S.A.); 2004 – Prof. Paul H. LeBlond (Canada); and 2005 – Dr. Daniel Ware (Canada).

In Daniel’s name, I would like to thank you all for this award. I do remember how pleased and honoured Dan was when he heard about the nomination. He was truly looking forward to travelling to Vladivostok and to reconnect with his colleagues and friends. PICES, or rather the people connected and involved with it, were close to his heart.

Dan was passionate about his research, and he believed strongly that solid marine ecological research was paramount to manage fish stocks responsibly. He saw his duty as being twofold: firstly, to guarantee the survival of the resource, and secondly, to guarantee the survival of the fishing industry. Dan wrote his personal “Code of Ethics” that always guided his approach to research as well as the interpretation of the data. Here are his words:

- Always err on the side of the Resource;
- Produce a high quality product;
- Always tell the client the “truth”, whether he/she wants to hear it or not;
- Work co-operatively with all clients to come up with the best advice.

Dan was passionate about his work, and he felt fortunate that his work connected him with so many dedicated and talented people, many of whom became close personal friends. I know he would have acknowledged you all by name and thanked you for your support and the myriad ways in which your vision influenced his research.

I would like to close by quoting Dan when he accepted the Timothy Parsons award in Vancouver this spring “I want to thank you all for this award. It is an honour to be acknowledged by your colleagues and peers.”

Ms. Marija Kronic, a close friend to Dan and Madeleine, then got on stage and read Madeleine’s remarks in Russian.

We are now soliciting nominations for the 2006 Wooster Award (contact the PICES Secretariat at secretariat@pices.int or see PICES Press Vol. 9 (1) 2001 for selection criteria and award description). **Nominations must be received no later than May 1, 2006**, and should include the following information: nominee’s name, institutional affiliation and title, address, biographical resume, and statement of justification for the nomination. The award will be presented during the Opening Session of PICES XV on October 16, 2006, in Yokohama, Japan.