Doc. No.: WG21/N1026
X3J16/96-0208
Date: November 12, 1996
Project: C++ Standard Library
Reply to: Pete Becker
pbecker@oec.com

Clause 26 (Numerics Library) Motions

Motion (to adopt various changes to clause 26) :

Amend the WP as follows, thus closing issue 26-052:
-- strike the text “all allocated memory is returned.” from the description of the valarray destructor in clause 26.4.1.1 [lib.valarray.cons] and replace it with the following:

> an implementation may return all allocated memory.

Amend the WP as follows, thus closing issue 26-053:
-- strike the following text from the definition of template class valarray in clause 26.4.1 [lib.template.valarray]:

> void free();

-- strike the following text and its associated footnote from clause 26.4.1.7 [lib.valarray.members]:

> free();
> This function sets the length of an array to zero.

Amend the WP as follows, thus closing issue 26-054:
-- strike the text “void resize(size_t sz, const T& c = T());” from the definition of template class valarray in clause 26.4.1 [lib.template.valarray] and replace it with the following:

> void resize(size_t sz, T c = T());

-- strike the text “void resize(size_t sz, const T& c = T());” from clause 26.4.1.7 [lib.valarray.members] and replace it with the following:

> void resize(size_t sz, T c = T());

Amend the WP as follows, thus closing issue 26-055:
-- strike paragraphs 5 and 6 from clause 26.4.1.7 [lib.valarray.members] and replace them with the following:

> This function returns an object of class valarray<T> of length size(), each of whose elements I is (*this)[I+n] if I+n is non-negative and less than size(), otherwise T(). Thus if element zero is taken as the leftmost element, a positive value of n shifts the elements left n places, with zero fill.

-- strike paragraphs 8 and 9 from clause 26.4.1.7 [lib.valarray.members] and replace them with the following:

> This function returns an object of class valarray<T>, of length size(), each of whose elements I is (*this)[(I+n)%size()]. Thus, if element zero is taken as the leftmost element, a positive value of n shifts the elements circularly left n places.