To: J3
From: Larry Meadows
Date: September 30, 2000
Title: Unresolved Issue 251
Kind Type Parameters for types in <stdint.h> and <stddef.h>

Unresolved Issue 251, P. 385, lines 26-29, states:

We might want to make accessible kind parameters that help the user to declare entities that interoperate with entities of type `int8_t`, `int_least16_t`, `uint_fast32_t` et al. or type `size_t`.

At the WG5 meeting in Oulu, a straw vote was taken. The vote was:

11	Add the `size_t` type
0	Don't add any new types
4	Undecided.

This paper proposes that several new kind type parameters be added. /interop decided that adding more than just `size_t` was easier than previously thought, and that the new types will be widely used in C programs.

Edits:

[385-16]
[385-21]
[385-24] Add "C_SIZE_T, C_INT_LEAST8_T, C_INT_LEAST16_T, C_INT_LEAST32_T, C_INT_LEAST64_T, C_INT_FAST8_T, C_INT_FAST16_T, C_INT_FAST32_T, C_INT_FAST64_T, C_INTMAX_T" after "C_LONG_LONG,"

[385:26-29] Delete

[388:40+] Add a new table entry:

C_SIZE_T	size_t
C_INT_LEAST8_T	int_least8_t
C_INT_LEAST16_T	int_least16_t
C_INT_LEAST32_T	int_least32_t
C_INT_LEAST64_T	int_least64_t
C_INT_FAST8_T	int_fast8_t
C_INT_FAST16_T	int_fast16_t
C_INT_FAST32_T	int_fast32_t
C_INT_FAST64_T	int_fast64_t
C_INTMAX_T	intmax_t