MULTICS INSTALLATION BULLETIN

TO: Distribution

FROM: Peter B. Kelley

DATE: March 19, 1974

SUBJECT: Installation of MSS 23.6

The hardcore system MSS 23.6 was installed at 9 AM on Tuesday, March 19, 1974. This system included: a security hole fix which allowed anyone to call any hardcore gate; a ring one to ring zero gate to be used by the ring one program that will validate ring_zero_peek_ calls; final hardcore changes to allow representation of the remote computer interface for I/O devices; and minor bug fixes. The system libraries were updated at 1617 on Wednesday, March 20, 1974.

I. System Change Log

Chng	MCR	Change
1280	379	Fixes a major security hole which allowed anyone to call any hardcore gate.
1281	303	Provides a ring one to ring zero gate to be used by the ring one program that will validate ring_zero_peek_ calls.
1282	267	Fixes a bug which caused a linkage error after a cold boot by trying to reference dprint.
1283	172	The final hardcore changes to allow implementation of the g115 remote computer interface. This allows remote I/O devices to run under Multics.

II. Segment Change Log

Segment Name	Bound Segment	Change #
admin_gate_	-	R 1281
bootstrap1	-	R 1280
Init_hardcore_gates	bound_temp_2	R 1280
make_sdw	bound_init_1	R 1282
reload	bound_reloader_	A 1281
ring_zero_meter_limits_ASCII_	-	R 1280
seg_fault	bound_system_faults	R 1283
tty_ctl	-	R 1283
tty_free	bound_iom_wired	R 1283
tty_inter	bound_iom_wired	R 1283
tty_read	bound_tty_active	R 1283
tty_write	bound_tty_active	R 1283

Include Files

equ.incl.ioc	R xxxx
tab.incl.ioc	R xxxx
tty.incl.pl1	R xxxx

Bindfiles

bound_tty_active.bind	R xxxx

III. Bound Segment Change Log

Bound Segment	Change	
bound_tty_active	replaced:	tty_read
		tty_write
bound_iom_wired	replaced:	tty_free
		tty_inter
bound_reloader_	replaced:	reload
bound_init_1	replaced:	make_sdw
bound_system_faults	replaced:	seg_fault
bound_temp_2	replaced:	init_hardcore_gates

IV. Header Change Log

1281   The entry name admin_ring_zero_peek_ was added to the
         entry   admin_gate_,   and   the   entry
         ring_zero_meter_limits_ASCII_ was added to collection
         three.