To: Distribution

From: Joan Scott

Date: 27 October 76

Subject: MCR Index

Attached are additions to the MCR Index from September 1, 1976 through October 31, 1976.

Please note the following changes in the previous supplement to the Index, MTB 303.

1989 A 07/26/76
1990 A 07/26/76
2076 W 09/23/76
2115 A 09/28/76
2135 (Author changed to N. Morris)
2141 W 10/26/76
2142 W 09/07/76
2147 R 09/07/76

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Bug fixes to answering service 9.0
Change control argument to external variable command
Implement carry_load -hold
Fix line count in send_mail_
Fix lfecho problem on LSLA
Fix tty DIM problem that can cause excessive wakeups
Make tty_meters print MCS version number
fast command
Emergency fix in bound_fortran_
Raise nstd_max buffer size
Fix bug in exec_com
Fix bug in list_err
Increase Upper Limit on Site-Controlled Process Dir Size to 1024 Records
Fix bugs in mexp 'ifars' and '&An'
Fix mexp string length & indexing precision bugs
Multics COBOL Compiler Version2.0
New control arguments for response Active Function
Fix access_mode to handle multi-class segments properly
Recompiler PL/I programs not recently recompiled
Use the standard escape sequence for the ASCII escape character
Change default SysDaemon access to r instead of rw
Add several new pseudo-ops to ALM
Change format of compiler_source_info include file
Fix mail error messages
Fix quick put_edit bugs
Extend stack header
Eliminate dprint query
Change message segment delete_acl entries
Implement copy -dir, copy -link and copy -seg
Fix blank line bug in abs_io_
Improve abbrev .a error message
Fix &f bug in do
Change PV assignment algorithm
Implement file_status order on closed vfiles
Fix lap counter in fsm
Change binder to indicate when symbol tables are removed
Make get_defptr available in outer rings
Fix bugs in Multics Data Base Manager
HEALS Extension for MR5.0
I/O Coordinator Change for AIM
Implement -ebcdic control argument in dump_segment
Fix bugs in ring_zero_dump entry point in dump_segment
Changes to dump_segment and ring_zero_dump output
Fix starname bug in get_quota
Implement brief command
Update system_performance_graph and meter_gate commands
Fix bug in BOS FMT command
<table>
<thead>
<tr>
<th>Date</th>
<th>Author</th>
<th>Action</th>
<th>Notes</th>
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<tr>
<td>10/05/76</td>
<td>M. Asherman</td>
<td>Add set_stack_ptr entry to hardcore</td>
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<tr>
<td>10/05/76</td>
<td>T. VanVleck</td>
<td>Fix bugs in append</td>
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<td>10/05/76</td>
<td>B. May</td>
<td>Install the default active function</td>
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<tr>
<td>10/05/76</td>
<td>O. Friesen</td>
<td>Fix bugs in Multics Data Base Manager</td>
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<td>09/28/76</td>
<td>J. Phillipps</td>
<td>Bug fixes in tape_inout</td>
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<tr>
<td>09/28/76</td>
<td>J. Phillipps</td>
<td>Implementation of a list_tape_contents command</td>
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<tr>
<td>09/28/76</td>
<td>S. Barr</td>
<td>Fix probe to correctly set breaks at 4 word instructions</td>
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<tr>
<td>09/28/76</td>
<td>S. Herbst</td>
<td>Fix bug in print_link_info</td>
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<tr>
<td>09/28/76</td>
<td>S. Herbst</td>
<td>Implement initiate -force</td>
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<tr>
<td>09/28/76</td>
<td>S. Herbst</td>
<td>Implement &amp;control_line on in exec_com's</td>
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<tr>
<td>09/28/76</td>
<td>S. Herbst</td>
<td>Add error_table_$bad_attach_option</td>
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<tr>
<td>09/28/76</td>
<td>S. Herbst</td>
<td>Eliminate confusing mbda error message</td>
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<tr>
<td>09/27/76</td>
<td>M. Jordan</td>
<td>Fix bugs in gcos_mme_inos_</td>
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<tr>
<td>10/05/76</td>
<td>J. Weeldreyer</td>
<td>Add Command Interfaces to MRDS DSL and MIDS DML</td>
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<td>09/28/76</td>
<td>B. Greenberg</td>
<td>Fix attach_lv waiting bug</td>
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<tr>
<td>09/28/76</td>
<td>B. Greenberg</td>
<td>Fix online-salvager length computation bug</td>
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<tr>
<td>09/27/76</td>
<td>N. Morris</td>
<td>Fix bugs in full_command_processor_</td>
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<tr>
<td>09/21/76</td>
<td>J. Goldman</td>
<td>Fix bug in full_command_processor_ assign_resource wait bug</td>
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<tr>
<td>09/21/76</td>
<td>B. Greenberg</td>
<td>Semi-automatic Logical Volume mounting</td>
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<tr>
<td>09/21/76</td>
<td>N. Morris</td>
<td>Fix Problem in BOSTAP</td>
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<tr>
<td>09/21/76</td>
<td>N. Morris</td>
<td>Improve online_dump</td>
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<tr>
<td>09/21/76</td>
<td>N. Morris</td>
<td>Change default ringbrackets in generate_mst</td>
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</tr>
<tr>
<td>09/21/76</td>
<td>N. Morris</td>
<td>BOS PATCH Command</td>
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</tbody>
</table>
Implement convert_ec command

Implement &begin and &send in exec_com's

Implement &default statement in exec_com's

Add mbx_mseg_ to bound_mseg_

Fix status to accept -length

Fix bug in delete_dir

Cause status to print uid in the no-s-permission case.

Stop sweep_disk_ from terminating directories

Stop the dumper and reloader from terminating directories

Fix bugs in message facility

Fix bug in exec_com

Stop logging "=" messages in the syserr

Log device name on I/O errors

Extensions to list_temp_segments command

Add -brief control argument to delete command

Change |exists| to take star names

Improve change_wdir error message

Fix bug in set_bit_count

Modify BOS to allow use of MTP601

Remove wired-in Console Channel No. from BOS

Retain BASIC entries needed by FAST

Allow ITRS on MPCS with GAPS in configuration

Add Error Message if Firmware Unavailable
Clean up MOLTS ITR Error Message
Correct Erroneous Config Deck Reading by TOLTS
Fix bug in adjust_bit_count_
Implement multi-segment blocked files
Log MOS polling interval
Implement automatic baud selection for terminals
Fix bugs in the load_firmware_file command
Change some cu_ entries to take entry arguments
Modify Syntax of BOS IF command
Implement mechanism to allow BOS to Determine if Storage System Initialized
Implement mechanism to indicate reason for return to BOS
Implement new version of cv_dec_ and add new entries for hex conversion
Change location of firmware archive
Fix bug in firmware_util
Fix bug in cv_pmf
Install PL/I compiler
Force initial LOT to be in stack
Fix blanks bug in exec_com
Fix msf bug in list_acl
Implement mail notification
Add features to find_word
Fix bug in copyright_archive command
New Headers and Two New Features for resource_usage command
<table>
<thead>
<tr>
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<th>Date</th>
<th>Name</th>
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<tr>
<td>2156</td>
<td>P 09/07/76</td>
<td>J. Phillipps</td>
<td>Implement a new order call in the tape_ansi_ and tape_ibm_ IO Modules</td>
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<td>2155</td>
<td>A 09/07/76</td>
<td>P. Kelley</td>
<td>Fix bugs in include_cross_reference</td>
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<td>2154</td>
<td>P 09/07/76</td>
<td>G. Dixon</td>
<td>New Pointer Conversion Routine, cv_ptr_</td>
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<td>2153</td>
<td>A 09/20/76</td>
<td>C. Tavares</td>
<td>Multics Graphics System</td>
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