TO: MIB DISTRIBUTION

FROM: Nancy Pitts

DATE: October 14, 1977

SUBJECT: ONLINE INSTALLATION CHANGES

****
The following is a list of changes to the standard service system,
tools, network, unbundled, author maintained and installation
maintained libraries for the week beginning October 10, 1977.

*****
MCR # : Explanation briefly summarizing the modification.

DATE   SEGMENT NAME   LIBRARY

            COMPONENT changes (if any)

****

*****
MCR's 2919, 2920: A new FORTRAN compiler and FORTRAN I/O package
have been installed. With this installation, the new compiler
becomes the standard Multics FORTRAN compiler and is available
as fortran, ft, and new_fortran. The old FORTRAN compiler is
available as old_fortran. Please type "help new_fortran.gi" for
further information.

10/11/77   0952.6   fort_command_structure.incl.pl1 replaced in INCL

10/11/77   0952.6   fort_equs.incl.alm replaced in INCL

10/11/77   0952.6   fort_flow_block.incl.pl1 added to INCL

10/11/77   0952.6   fort_macros.incl.alm added to INCL

10/11/77   0952.6   fort_nodes.incl.pl1 replaced in INCL

10/11/77   0952.6   fort_quadruple.incl.pl1 added to INCL

10/11/77   0952.6   fort_shared_vars.incl.pl1 replaced in INCL

10/11/77   0952.6   fort_system_constants.incl.pl1 replaced in INCL

10/11/77   0952.6   fortran_buffer.incl.pl1 replaced in INCL

10/11/77   0952.6   fortran_io.pc.info replaced in INFO

10/11/77   0952.6   fortran_io_consts.incl.pl1 replaced in INCL

10/11/77   0952.6   fortran_io_spec.gi.info replaced in INFO

10/11/77   0952.6   fortran_iob_bits.incl.pl1 replaced in INCL

10/11/77   0952.6   fortran_open_data.incl.alm replaced in INCL

10/11/77   0952.6   fortran_open_data.incl.pl1 added to INCL

10/11/77   0952.6   fortran_os.incl.pl1 replaced in INCL

10/11/77   0952.6   new_fortran.gi.info replaced in INFO

10/11/77   0952.6   new_fortran.info replaced in INFO

10/11/77   0952.6   new_fortran.pc.info replaced in INFO

10/11/77   0952.6   new_fortran_conversions.gi.info replaced in INFO

10/11/77   0952.6   new_fortran_differences.gi.info replaced in INFO

10/11/77   0952.6   new_fortran_extensions.gi.info replaced in INFO

10/11/77   0952.6   bound_fort_ replaced in UNB

           added: fort_flow_analysis
                       fort_optimize_block

        replaced: new_fortran
                       fort_
                       fort_version_info
                       ext_parse
                       ext_code_generator
                       fort_cg_macros_
                       fort_message_table
                       ext_listing_generator
                       fort_display
                       bound_fort_.bind

10/11/77   0952.6   bound_fortran_io_ replaced in UNB

           added: fortran_io_error_
                       old_fortran_io_

        replaced: fortran_io_
                       fortran_stop_
                       fortran_buffer_
                       set_cc

bound_fortran_io_.bind

10/11/77   0952.6   bound_fortran_ replaced in UNB

        replaced: bound_fortran_.bind

*****
MCR 2961: bk_output was changed to complete the installation
changing old backup to use tape_mult_.

10/12/77   0939.2   bound_dumper_ replaced in TOOLS

        replaced: bk_output

*****
MCR 2973: Installed bound_fscom2_ (SSS) with changes to
nd_handler_.pl1 and bound_lib_utility_ (TOOLS) to prepare for
the installation of tape_archive by providing two new entries
(force and del_force) in nd_handler_, and by removing the short
name "ta" from test archive.

10/12/77   1501.3   bound_fscom2_ replaced in SSS

        replaced: nd_handler_
                       bound_fscom2_.bind

10/12/77   1501.3   bound_lib_utility_ replaced in TOOLS

        replaced: bound_lib_utility_.bind

*****
No MCR: The MR6.0 WORDPRO facility bound_compose_ was installed
in the UNB library. Info segs will be installed soon describing
its use.

10/12/77   1533.5   bound_compose_ added to UNB

            added: compstat
                       compose
                       comp_
                       comp_art_
                       comp_break_
                       comp_eject_
                       comp_extr_str_
                       comp_fill_
                       comp_move_text_
                       comp_newline_
                       comp_num_expr_
                       comp_parse_title_
                       comp_print_footnotes_

```
comp_read_name_
comp_read_number_
comp_readline_
comp_report_
comp_set_headers_footers_
comp_set_lines_left_
comp_str_expr_
comp_title_
comp_update_symbol_
comp_use_ref_
comp_write_
compm
bound_compose_.bind
```

*****
NO MCR: Emergency fix to bound_hardcore_db_ (TOOLS) to fix bug
which causes crank to fail.

10/12/77 1549.0   bound_hardcore_db_ replaced in TOOLS

        replaced: binary_segmsg_util_

*****
MCR 2841: Installed bound_fscom1_ (SSS) with changes to list to
fix bug introduced in previous installation: secondary names not
lined up under primary name when just records and names columns
are printed.

10/12/77 1638.5   bound_fscom1_ replaced in SSS

        replaced: list

*****
MCR 2845: Installed bound_full_cp_.bind (SSS) to add perprocess
static attribute to bound_full_cp_ (again).

10/13/77 0924.2   bound_full_cp_ replaced in SSS

        replaced: bound_full_cp_.bind

*****
No MCR: Several info segments related to yesterday's
installation of compose were installed. Please type "help
compose" for further information. Also, the convert_runoff
program was added to UNB.

10/13/77 1005.4   comp_builtin_list.info added to INFO

10/13/77 1005.4   comp_ctl_list.info added to INFO

```
10/13/77   1005.4      compose.Info added to INFO

10/13/77   1005.4      convert_runoff added to UNB

10/13/77   1005.4      convert_runoff.Info added to INFO

10/13/77   1014.9      runoff_compose.differences.Info added to INFO

10/13/77   1014.9      compose.status.Info added to INFO
```

*****
RCR 39: Installed bound_restructure_ (RDMS) with changes to
io_Interface to fix bugs in rdf introduced In RCR 38.

```
10/13/77   1336.2      bound_restructure_ replaced In RDMS

           replaced:   io_Interface
```

*****
MCR 2848: Installed bound_basic_ (UNB) with changes to basic_
and bound_basic_runtime_ (UNB) with changes to basic_runtime_,
basic_matrix_, and basic_operators_ to fix bugs 063-077; file
strategy changed to allow sharing during input.

```
10/13/77   1624.6      basic_changes.Info replaced In INFO

10/13/77   1624.6      basic_fcb.Incl.pl1 replaced In INCL

10/13/77   1624.6      basic_status.Info replaced In INFO

10/13/77   1624.6      basic_version_ replaced In UNB

10/13/77   1624.6      bound_basic_ replaced In UNB

           replaced:   basic_

10/13/77   1624.6      bound_basic_runtime_ replaced In UNB

           replaced:   basic_operators_
                       basic_runtime_
                       basic_matrix_
```

*****
MCR 2979, 2743: Installed bound_fscom2_ (SSS) with changes to
rename to fix three bugs: (1) MCR 2979; (2) Incorrectly stated
In MCR 2743 allows starname and equalname to have different
numbers of components; (3) make rn -nm conform to documentation
(i.e., equals convention does not apply to second names).

```
10/14/77   1139.2      bound_fscom2_ replaced In SSS
```

replaced: rename

*****
MCR 2901: Installed bound_debug_fnp_ (TOOLS) to install the
debug_fnp command, a tool for FNP dump analysis and debugging.

10/14/77   1202.7   debug_fnp_data.incl.pl1 added to INCL

10/14/77   1202.7   bound_debug_fnp_ added to TOOLS

            added: debug_fnp
                         db_fnp_break_
                         db_fnp_convert_address_
                         db_fnp_display_
                         db_fnp_dumps_
                         db_fnp_edit_inst_
                         db_fnp_eval_
                         db_fnp_memory_
                         db_fnp_opblock_util_
                         db_fnp_opblocks_
                         db_fnp_opcodes_
                         db_fnp_reader_
                         db_fnp_sym_util_
                         db_fnp_symbols_
                         db_fnp_trace_
                         db_fnp_util_
                         bound_debug_fnp_.bind

*****
MCR 2865: Installed bound_admin_rtnes_ (TOOLS) to add the
components authenticate_device, make_tape_labels,
make_nstd_labels to add a command to allow the operator to
authenticate a tape when the tape label does not match the user
specified name. Also, commands to make volume tags for tapes.

10/14/77   1236.6   bound_admin_rtnes_ replaced in TOOLS

            added: authenticate_device
                         make_tape_labels
                         make_nstd_labels

          replaced: bound_admin_rtnes_.bind

*****
MCR 2992: Installed bound_misc_metering_ (TOOLS) with changes to
traffic_control_meters, page_multilevel_meters, meter_gate,
print_tuning_parameters, change_tuning_parameters,
traffic_control_queue, and work_class_meters to upgrade meter
tools to 32.1 and remove zerodivides from some meters.

```
10/14/77   1549.6     tc_meters.incl.alm replaced in INCL

10/14/77   1549.6     tcm.incl.pl1 replaced in INCL

10/14/77   1549.6     bound_misc_metering_ replaced in TOOLS

          replaced:   traffic_control_meters
                      page_multilevel_meters
                      meter_gate
                      work_class_meters
                      traffic_control_queue
                      change_tuning_parameters
                      print_tuning_parameters
```