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                                                 ENDICOTT - 714
                                                 October 24, 1963

 MEMORANDUM TO:   Users of 1401 Autocoder System

 SUBJECT:         Changes made by A. B. Platt, Dept 714,
                  Endicott, New York

 The enclosed changes were made to alter the listing in phase 7 to spread
 the instruction so that it would be readable without having to decode a
 3 digit address.  Card # is in columns 72-75 and load # in columns 76-79.

 Replaces present card 14.  Alters the placement
 of a group mark word mark from 3998 to 5298
C0?1/46B607SY1070?0B607L/47S9YL%U1V00W L038689,659664,671675,682040104000l437113
 Replaces present card 30.  Changes the clear
 storage constant from 3999 to 5299
G040"S9ZU99ASEQUENCE ERROR             L026/68,/44/47,/48/51,/54/551040003037113
 Replaces present card 1095.  Alters instruction
 that moves heading to print area.
MY54332MX58234MW89200B’61/332/B’61     L034904,878885,892896,900901104010953772З
 Replaces present card 1126.  Remove word mark
 from group mark at 1799
&"                                     L002X99,040040,040040,040040104011263772З
 Add following Card 1126.  These cards represent
 the constants for the new headings.
SFX CT  LOCN  INSTRUCTION  A-ADDR   B-AL039Y39,040040,040040,0400401040X0013772L
DDR  TYPE  CARD                        M015Y54,040040,040040,0400401040X0023772L
 Add following Card X002 above.  Places a group
 mark word mark at location 1855.
"                                      L001Y55,040040,040040,0400401040X0033772L
 Replaces present card 1147.  Changes print area
 address of Type codes IOCS and MACRO.
MD63326B812MD68327BT01B828I167BJ85     L034827,801805,812816,824040104011473773З
 Replaces present card 1148.  Changes print area
 address of type code OVERCALL.
MD76327BL28BJ85MI02C62V862G271BP62     L034861,835839,843850,858040104011483773З
 Replaces present card 1151.  Changes print area
 address of type code ADCON.
MMMMBS85MD81327,227                    L019954,937938,939940,944951104011513773З
 Replaces present card 1153.  Changes print area
 address of type code RMARK.
BL09073#B/56V’41075SVS28001BMD86327    L035’21,995999,’07’15,040040104011533773З
 Replaces present card 1154.  Changes print area
 address of type code GMARK and LIT.
B’48075AMD87323B’48MD90325M053257      L033’54,’30’37,’41’48,040040104011543773З
 Replaces present card 1159.  Changes print area
 address of type code AREA.
MD31231M007ME45ME49326B/56BS45BL54     L034S35,S09S13,S17S24,S28S3210401159З7733
 Replaces present card 1164.  Changes print area
 addresses of type codes IO and GEN
BT97I05SB000ME51327ME54325BJ97I16BBT86 L039U16,T86T90,T97U04,U12U1610401164З7733
 Replaces present card 1167.  Changes print area
 address of type code LABEL.
VV28005KVV28005SB000MD30286BU74ME60327 L038V19,U90U98,V02V09,V1304010401167З7733
 Replaces present card 1172.  Changes print area
 addresses of type codes FIELD and SBF.
M066E78ME91327VW93075BME94325BK62BU18  L037W96,W67W74,W82W89,W9304010401172З7733
 Replaces present card 1186.  Changes instruction
 that moves heading to print area.
/MX9U332MF86234V!91C7012MF87200BJ24    L035J01,!68!75,!82!90,!91!9810401186З7743
 Replaces present card 1186.  Changes print area
 address of card no.
AG20E78BN98Z175332S100SSVR60H171       L032?27,?03?07,?14?18,?19?2010401213З7743
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 Replaces present card 1243.  Removes word mark
 from ending group mark at 3827.
&8?"                                    L004H27,H25040,040040,0400401040124337743
 Add ahead of card 1244.  New heading constant.
SFX CT  LOCN  INSTRUCTION  A-ADDR   B-AL039X7Z,040040,040040,0400401040X0043774L
DDR  TYPE  CARD                         M015X9U,040040,040040,0400401040X0053774L
 New ending groupmark word mark.
"                                       L001Z9Y,040040,040040,0400401040X0063774-
 Replace word marks destroyed by new size of load
 3774.
                                        L001001,H31H33,H36H46,H51I111040X0073774L
 Replaces present 1252.  Changes print area address
 of card no.
V992G271BP62B'57075C/171MD99146Z175332 L038'45,'16'20,'28'32,'390401040125237753
 Replaces present card 1253.  Changes print area
 address of card no.
HQ90S11BQ21ED11171MD51146MD96171Z175332L039'84,'53'57,'64'71,'780401040125337753
 Add ahead of card 1182.  Alters a branch to go to
 special routine at 5000 to expand the instruction.
NW37067B'0'                             L011W36,W33040,040040,0400401040S0043773-
 Add ahead of card X004.  These 12 cards are the
 special routine at location 5000 which expands the
 instruction.
B'1S326 B'3/B'2U303"B'3/MT5'327C007T5/ L038'3X,'0Y'1S,'2''2U,'3/040104000043744-
B'4XTB/0XB'7T295%M297T7VB/1ZMT6Y312    L035'7S,'4T'4X,'5V'6S,'6W040104000053744-
C007T5SB'8ZTB/0XM301T7VB/1ZMT6Y321     L034/0W,'8''8V,'8Z'9W,/0'040104000063744-
BW37293 B/56HT4VMT6'T6YBT4ST7U#V/9YT7U2L039/4V,/1V/1Z,/2T/3',/3Y040104000073744-
MT7'T6XV/8'T7USV/9/T7UKMT7/T6YB/9Y     L034/7Z,/5T/6/,/6Z/7W,040040104000083744-
MT7ST6YB/9YMT5/T6YDT7VT6VDDMT7XT7Z     L034S1T,/8X/9/,/9YS0V,S0WS0X104000093744-
VS4ST7TSVS5TT7TKVS6UT7TBBS7/MT7ST7ZBS7/L039S5S,S2SS3',S3YS4S,S4Z040104000103744-
MT5/T7ZBS7/MT7/T7ZVS9ZT7VSVT1'T7VK     L034S8W,S6'S6U,S7/S7Z,040040104000113744-
VT2/T7VBBT2YAT8'T7ZBT2YAT8/T7ZBT2Y     L034T2',S9VS9Z,T0WT1',T1X040104000123744-
AT8TT7ZZT7ZT8WMT8WT6SBT4VGMARK26       L032T5S,T2YT3V,T4ST4W,T5/T5S104000133744-
                *X31                    L025T7X,T6/T6Z,T7/T7S,T7TT7W104000143744-
  4812                                  L009T8W,T8'T8/,T8ST8U,040040104000153744-
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