MTC AIDS-III

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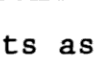
USE OF THIS PROGRAM WILL REQUIRE THE
PURCHASE OF RADIO SHACK'S TRSDOS
DISK OPERATING SYSTEM.

TRS-80 AND RADIO SHACK ARE REGISTERED TRADEMARKS OF TANDY CORP.

ADDITIONS TO STANDARD CONTROL CHARACTERS IN AIDS & MAPS

Model I	Model II	
		Acts as a /  , except within UPDATE. When used while updating a record, returns to "SELECTION" screen without saving data appearing on screen.

ADDITIONAL FEATURES UNDER SELECT & LOAD OPTION

When responding to "NAME OF LOAD FILE:" query, two new features have been added:

NAME OF LOAD FILE: +FILENAME

Loads all records, truncating or padding the end of the record with blanks when required. This feature allows expansion of previously defined AIDS systems, by adding fields to the end of the record.

NAME OF LOAD FILE: -FILENAME

Loads all valid records, ignoring invalid ones. Useful for restoring data files that have some records with an invalid length, due to a disk read or write error.

CHANGE IN TERMINATION SPECIFIER IN AIDS3 & MAPS

Due to some "double-keying" problems with the and keys, the termination has been modified, preventing accidental program termination.

Model I	Model II	
		Terminates AIDS3 & MAPS.

NEW SORT FEATURES

AIDS3 SORT is machine code assisted. It will sort approximately 200 records in 5 seconds. Any combination of fields (including numerics) with each field in ascending or descending order may be sorted.

Sorting a numeric field takes slightly longer than a non-numeric field. The sort specifier (+ or -) follows the fields to which it applies.
Examples of Ascending/Descending SORT options:

SORT RECORDS BY (A-G): ABC+DEF-

Will sort Fields A,B,C in ascending order, and D, E, and F in descending order.

SORT RECORDS BY (A-G): A-B

Will sort Field A in descending order, Field B in ascending order.

SORT RECORDS BY (A-G): A+BC-DEF+

Will sort Field A in ascending order, Fields B and C in descending order, and fields D, E, and F in ascending order.

The default (no sign supplied) is ascending order.

NEW VERSION OF DISPLAY/PRINT IN AIDS

The standard display/print format in the AIDS program has been changed from "PRINT DOWN THE PAGE" to "PRINT ACROSS THE PAGE". The new print option is similar to that used in MAPS, except no paging control, titles, or column headings are printed. Also, no indexed reports can be printed.

ADDITIONAL SELECTION SEQUENCE FEATURES

Selection of records for loading, updating, deleting, printing, and saving is now MACHINE CODE assisted. Up to four selection criteria may be specified, each using one of 6 relational comparisons.

Example: Select records representing those people who live in the state of Colorado, but not in the city of Denver, whose last name begins with "F" and whose income exceeds 9000.00.

Example: Select records representing those sales made to XYZ COMPANY that exceeded 25.00, between the dates 03/15 and 04/10.

The SELECT option will degrade if more than one level is specified, or if selecting on a numeric field using a <, > , + or - operator.

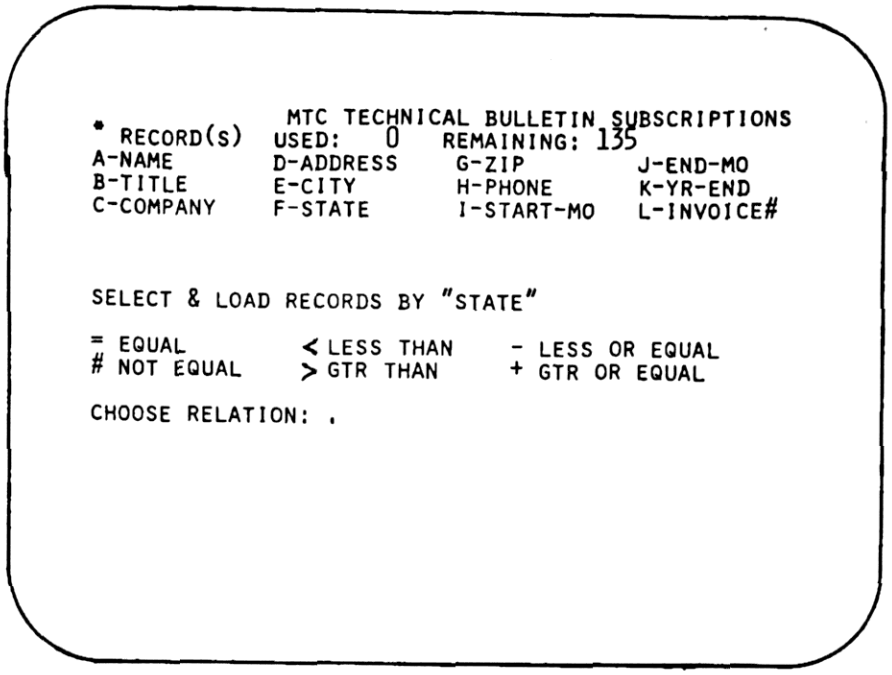
Also, in the selection sequence, it is possible to select a field which contains all blanks in the following manner:

NAME = [↓]

will select all records containing a blank NAME field.

Some examples of the new SELECTION SEQUENCE follow:

In this example, we are selecting all people who live in the STATE of Ohio, with a zip code beginning with the digits 44, whose technical bulletin subscription expires (END MO.) between August, 1980 (80/08) and December, 1981 (81/12), inclusive.



Above screen indicates a selection by STATE.

```
                MTC TECHNICAL BULLETIN SUBSCRIPTIONS
* RECORD(S)  USED:    0   REMAINING: 135
A-NAME        D-ADDRESS     G-ZIP         J-END-MO
B-TITLE       E-CITY        H-PHONE       K-YR-END
C-COMPANY     F-STATE       I-START-MO    L-INVOICE#


SELECT & LOAD RECORDS BY
STATE= OH

<C>OUNT, <N>EXT OR <L>OAD: .
```

The first selection criteria is STATE equal to OH.

```
                MTC TECHNICAL BULLETIN SUBSCRIPTIONS
* RECORD(S)  USED:    0   REMAINING: 135
A-NAME        D-ADDRESS     G-ZIP         J-END-MO
B-TITLE       E-CITY        H-PHONE       K-YR-END
C-COMPANY     F-STATE       I-START-MO    L-INVOICE#


SELECT & LOAD RECORDS BY
ZIP= 44
STATE= OH

<C>OUNT, <N>EXT OR <L>OAD: _
```

The second selection criteria is ZIP equal to 44.

```
                MTC TECHNICAL BULLETIN SUBSCRIPTIONS
* RECORD(S)  USED:   0   REMAINING: 135
A-NAME       D-ADDRESS    G-ZIP         J-END-MO
B-TITLE      E-CITY       H-PHONE       K-YR-END
C-COMPANY    F-STATE      I-START-MO    L-INVOICE#


SELECT & LOAD RECORDS BY
END-MO+ 80/08
ZIP= 44
STATE= OH

<C>OUNT, <N>EXT OR <L>OAD: .
```

The third selection criteria is END-MO greater than or equal to 80/08.

```
                MTC TECHNICAL BULLETIN SUBSCRIPTIONS
* RECORD(S)  USED:   0   REMAINING: 135
A-NAME       D-ADDRESS    G-ZIP         J-END-MO
B-TITLE      E-CITY       H-PHONE       K-YR-END
C-COMPANY    F-STATE      I-START-MO    L-INVOICE#


SELECT & LOAD RECORDS BY
END-MO- 81/12
END-MO+ 80/08
ZIP= 44
STATE= OH

<C>OUNT, <N>EXT OR <L>OAD: .
```

The fourth selection criteria is END-MO less than or equal to 81/12.

```
80/08 OH 44094  BROWN, ROBERT
80/08 OH 44130  CRELL, JOSEPH
80/08 OH 44119  FREEMONT, RAY
80/08 OH 44129  GREEN, HAROLD
80/08 OH 44041  JANOWICZ, HAROLD
80/08 OH 44278  KRUMM, WILLIAM
80/08 OH 44484  ROWELL, SAM
80/08 OH 44131  SMITH, WILLIAM
80/08 OH 44401  THOMPSON, HUGH
80/09 OH 44146  RISCH, CHARLES
80/10 OH 44024  BAGLEY, JOHN
80/10 OH 44143  RUGBY, EDWARD
80/10 OH 44121  SLIM, KEN
80/10 OH 44123  TWIST, OLIVER
80/11 OH 44144  ELKHART, GARY
```

Sample report of records meeting all four selection criteria.

The Descriptor File is an ASCII-format, sequential file.

```
MTCAIDS2 . . . . . . . . . . . . . . Identifies file as an AIDS descriptor file.
MTC AIDS-II ADDRESS SYSTEM  . Name (title) of AIDS system.
108 . . . . . . . . . . . . . . Length of data records.
10 . . . . . . . . . . . . . . . Number of data fields in each record.
NAME
20                ( FOR EACH ALPHANUMERIC FIELD )
1
STREET  . . . . . . . . . . . . Name of data field.
24  . . . . . . . . . . . . . . Number of character positions in data field.
21 . . . . . . . . . . . . . . . Starting position of data field in record.
CITY
12
45
STATE
2
57
ZIP                ( FOR EACH NUMERIC FIELD )
5
59
NUMERIC . . . . . . . . . . . . Name of data field.
-11 . . . . . . . . . . . . . . Number of char. positions (- indicates numeric).
0   . . . . . . . . . . . . . . Number of decimal places.
64 . . . . . . . . . . . . . . . Starting position of data field in record.
NUMERIC
-14
2
75
NUMERIC
-8
2
89
NUMERIC
-7
2
97
X
5
5
104
```

MODIFICATIONS TO DEFINING A NEW AIDS SYSTEM

The specifications for defining alphanumeric fields remain the same. In addition, a numeric field may be defined by adding a minus sign (-) to the beginning of the length specifier for the field. Also, decimal places may be indicated. Some examples follow:

```
DATA "COST",-4.2
```

This data statement defines a field with the name "COST", containing a number with four digits to the left of the decimal point, and two digits to the right.

```
DATA "AGE",-2
```

This data statement defines a field with the name "AGE", containing a number which is 2 digits long, no decimal point.

```
DATA "RATIO",-0.2
```

This data statement defines a field with the name "RATIO", containing a number with no digits to the left, and two digits to the right of the decimal.

There has been an additional data statement added, allowing the user to specify a (S)tandard or (N)on-standard printer. If an "N" is specified, a query is generated for printed output. If an "S" is specified, the output goes to the printer if the printer is turned on. This data statement is at line number 152, as shown below:

```
152 DATA S
```

DATA STATEMENT DEFINITION IN MAPS

Two data statements have been added, permitting the selection of a (S)tandard or (N)on-standard printer, and also specifying the number of lines per page. These data statements can be found in MAPS at line numbers 118 and 119, as shown below:

```
118 DATA S
119 DATA 66
```

EXAMPLE OF NEW DATA STATEMENTS IN AIDS

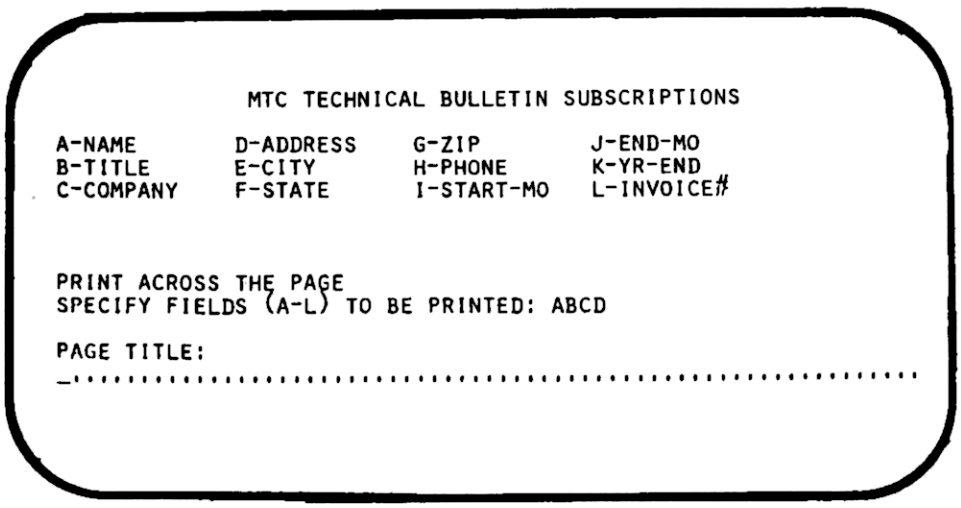
```
999 ' SYSTEM DESCRIPTORS ( IN "DATA" STATEMENTS )
1000 DATA "SYSTEM NAME GOES HERE": ' NAME OF MTC AIDS-II SYSTEM
1001 DATA 20:  ' NUMBER OF FIELDS ( UP TO 20 )
1002 DATA "1ST FIELD",5: ' FIELD NAME, LENGTH OF DATA FIELD
1003 DATA "2ND FIELD",5, "3RD FIELD",5, "4TH FIELD",4
1004 DATA "5TH FIELD",5, "6TH FIELD",6
1005 DATA "7TH FIELD",7
1006 DATA "8TH FIELD",8, "9TH FIELD",9, "10TH FIELD",1
1007 DATA "11TH FIELD",3, "12TH FIELD",2
1008 DATA "13TH FIELD",-3.2, "14TH FIELD",6
1009 DATA "15TH FIELD",-2.1, "16TH FIELD",-2.3
1010 DATA "17TH FIELD",3, "18TH FIELD",-5
1011 DATA "19TH FIELD",6, "20TH FIELD",2
```

Field names may be up to 10 characters in length for Model I, and 13 characters in length for Model II. The sum of the lengths of the fields cannot exceed 254 characters.

MODIFICATIONS TO THE MAPS MODULE

MAPS now offers the extended selection capabilities of AIDS3. In addition, report titles can now be specified, and there is a facility for printing all fields from left to right, in the across the page option automatically.

See example below:



Typing SHIFT ↓ / F2 to the "SPECIFY FIELDS (A-L) TO BE PRINTED:" query will print all the fields in the order shown.

Typing SHIFT ↓ / F2 to the "PAGE TITLE:" query will cause the system name to be used as the title. (i.e., MTC TECHNICAL BULLETIN SUBSCRIPTIONS).

An "Index-Type" report capability has also been provided in MAPS. Report samples are shown below:

Without Index

SALES REPORT (FEB) PAGE 1

SALESMAN	DATE	CATEGORY	SALE AMT
BROWN	80/02/11	A	463.21
BROWN	80/02/11	C	320.00
BROWN	80/02/11	B	146.33
BROWN	80/02/23	B	531.27
SMYTHE	80/02/05	B	87.47
SMYTHE	80/02/17	A	123.41
SMYTHE	80/02/17	C	119.40
SMYTHE	80/02/23	A	463.21
TREBISH	80/02/21	B	314.21
TREBISH	80/02/21	A	228.27
TREBISH	80/02/21	A	113.34
TREBISH	80/02/21	B	43.24
WHITE	80/02/11	A	49.44
WHITE	80/02/29	C	14.77

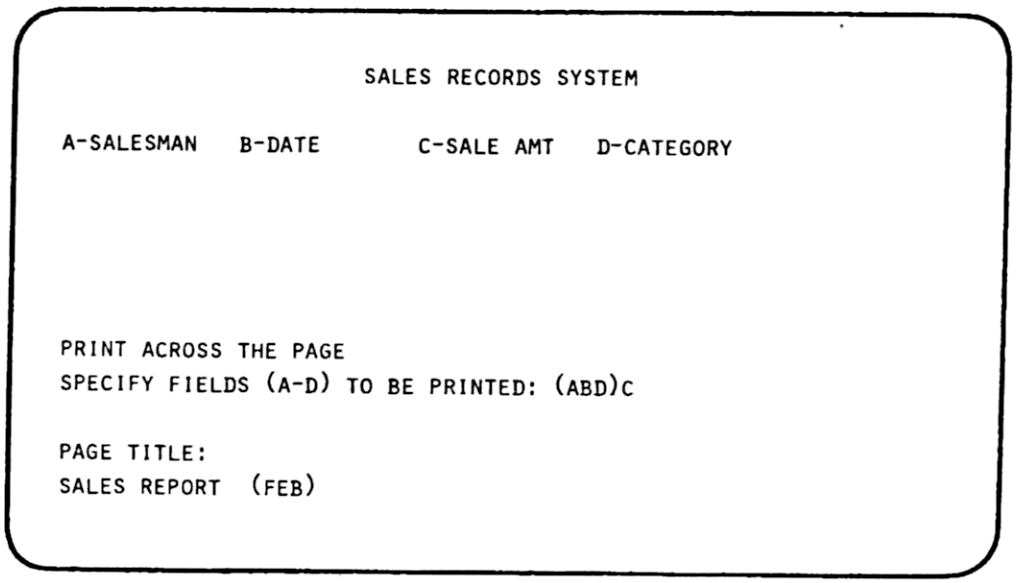
With Index

SALES REPORT (FEB) PAGE 1

SALESMAN	DATE	CATEGORY	SALE AMT
BROWN	80/02/11	A	463.21
		C	320.00
		B	146.33
	80/02/23	B	531.27
SMYTHE	80/02/05	B	87.47
	80/02/17	A	123.41
		C	119.40
	80/02/23	A	463.21
TREBISH	80/02/21	B	314.21
		A	228.27
			113.34
		B	43.24
WHITE	80/02/11	A	49.44
	80/02/29	C	14.77

To obtain an indexed report, when using "PRINT ACROSS THE PAGE" in MAPS, enclose the fields you wish to have indexed in parentheses. In order to work properly, the fields must be sorted in the same order the indexed fields are to be printed.

Sample screen is shown below:



NOTE: If you specify all fields to be indexed, i.e. (ABDC), duplicate records will not be printed.