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Inventory Plus

INVENTORY PLUS - MANUAL VER 2.5

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Introduction

The purpose of this documentation is to provide a simple and logical explanation of the use of Inventory Plus. To use this program you must have an Apple computer (II, II+, IIe, or IIc) with two disk drives, a monitor, and a printer. Inventory Plus is unprotected so that you may back it up easily. Make a back-up copy immediately so as to protect your investment, but please don't make copies and distribute it to the whole world. That's our job at Apex Software.

Starting Up

Inventory Plus provides inventory control for use with any number of items in up to 17 different locations. Inventory is very user-friendly. This means it makes it almost impossible for you to make a fatal mistake. It is also extremely fast and reliable. To actually begin using your inventory program place the disk marked "Inventory Plus" in drive 1 and the disk marked "Data Disk" in drive 2. Now turn the computer on (called booting the disk). The program will operate with either the [CAPS LOCK] key up or down on the Apple IIe/c. The basic mode of operation is outlined below:

1. Initialize Data Disk (DISK OPTIONS)
2. Edit Locations (EDIT OPTIONS)
3. Enter/Edit Items (EDIT OPTIONS)
4. Sort Items (EDIT OPTIONS)
5. Update inventory to current status (EDIT OPTIONS)
6. Change to current date (EDIT OPTIONS)
7. Print Reports (PRINT OPTIONS)
8. Make Back-up copies of data disk (DISK OPTIONS)
9. Repeat back to 5 each time a new report is needed

EDIT OPTIONS

After a few seconds the computer will show a menu that appears as below:

INVENTORY PLUS EDIT OPTIONS
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EDIT INVENTORY	USE ARROW KEYS
EDIT ITMS/INVEN	& [CR] TO SELECT
EDIT DATE	FUNCTION
EDIT LOCATIONS	
SORT ITEMS	
PRINT OPTIONS	
DISK OPTIONS	
BOOT DISK	
EXIT TO BASIC	

DATE:07/24/84

This is the EDIT OPTIONS menu which may be identified by the top line. This is the menu that allows editing (changing) of all data. Along the left side of the screen are many options.

To select an option, simply press the left or right arrow keys until the desired option is displayed in inverse, then press the return key. If you have an Apple IIe you may also use the up and down arrow keys. Note the proapt in the upper-right of the screen. ([CR] stands for Carriage Return, and refers to the return key.)

Throughout Inventory Plus, (except where specified) you may press the Escape key ([ESC]) to back safely out of the sub-menu or current option. For this reason the [ESC] (Escape) key may be called a "help" or "fix" key. It will allow you to leave or stop almost any option you are using. Important note: [ESC] will not save any modifications you have made on the current screen.

Edit Inventory

To select the Edit Inventory option, press the arrow keys to display this option in inverse, then press [CR]. This allows you to update your inventory in a specified item number range. It will begin at the first number and then step through each item allowing you to update its inventory until it gets to the last number. First, you will be prompted to enter two numbers:

BEGINNING ITEM [FIRST]:

ENDING ITEM [LAST]:

You may specify the item range to edit inventory for, or you may press [CR] twice to edit them all. A screen similar to the one below will be displayed with five columns labeled across the top. These columns are called fields. Each field holds certain important information. The first field displays the location, the second displays the number of cases, the third displays the number of each, the fourth displays the amount received from the government and the fifth is a temporary field for entering data. The item is shown on the bottom line of the screen.

[CR]-CHNGE, [G]-GO, [N]-NEXT, [ESC]-EXIT

LOCATION	CASES	EACH	RECVD	+/-
HIGH SC	3	2	1	
MIDDLE	32	23		
VALLY V	7	2		
NORTH P				
WAREHSE	100	12	40	

169 CS CHICK/RICE 12/5 14.62

To update the inventory use the arrow keys to inverse the line you wish to change and then press [CR]. You may now enter the new or current CASE number. The CASE field stores the number of full cases, packs or boxes. After pressing [CR] you may enter the number of EACH. The EACH field stores values for broken cases, partial cases or cans. These numbers should be the current inventory, as if you had counted the amount at each location just today. Pressing [CR] once more will leave you in the the +/- field. The number you enter here will be added to the RECVD field. If you enter a negative number it will lower the RECVD amount. Entering a [0] by a SHIFT-P on an Apple II+, or by a SHIFT-2 on an Apple IIe will zero or reset the RECVD field. The RECVD field keeps a running total for the year of the number of cases RECVD of the item at each location. To save your new data to disk, press [G] for Go. All changes will be saved. If you press [N] you will go on to the next item without saving any changes. Pressing the [ESC] key will Exit the option without saving your changes.

In almost any input or entering of data there are many special function keys. The [ESC] key will return the field to its original state and go on to the next field. Pressing [CR] on the first character of the field, or immediately upon entry into the field, will leave the field as it is and go on to the next field.

Edit Itms/Inven

To add, delete, or change item entries or the inventory for those items, select the EDIT ITMS/INVEN option. The following, or similar screen will appear:

[CR]-CHANGE, [A]-ADD, [D]-DELETE
 [G]-GO, [SPACE]-INVENTORY, [ESC]-EXIT

NUM	CT	ITEM NAME	UNIT	COST
169	CS	CHICK/RICE	12/5	14.62
174	CS	NE CLAM CH	12/5	19.27
190	OP	FRENCH FRY	27#/CS	11.87
200	KD	ICE CREAM	12	1.20
230	BO	RAVIOLI	7#	7.32

There are six columns labeled above your entered data. Each item entry has six columns which are called fields. Each field holds certain important information.

NUM

Item number (4 characters) any characters may define the item number. Ex: "200A"

C

Company Code (1 character) any character that defines a company code or vendor for that item. May be left blank. Ex: "A" (for Apex Software)

T

Type Code (1 character) any character that defines a code for that item. May be left blank. Ex: "S" (for all soups)

ITEM NAME

Item name (15 characters) any characters may define the item name. Ex: "ICE CREAM"

UNIT

Unit (8 characters) any characters may define the size. When calculating the EACH price this field is evaluated and if the program does not find a valid number it will accept the COST field as an EACH price. If a valid number is found the EACH price is calculated by dividing the COST field by the UNIT field. Ex: "12lbs."

COST

Cost (7 digits). Only a valid number may be entered in this field. If the number is too large it will appear as "#####". This field will handle numbers up to and including "9999.99". Ex: "1.20"

Typing [CR] will allow you to change or edit the item entry which is currently in inverse. The item entry consists of six fields. Pressing the RETURN key on the first character of the field will leave it the same and go on to the next field. Pressing [ESC] key anywhere in the field will return it to its original state and go on to the next field. Pressing [CTRL-X] will clear the field. Pressing [CTRL-C] will act as a caps lock/unlock during any input. When entering data into a numeric field you may enter the number in any form and the computer will "fix" it for you. Therefore, you may enter "1.3" and it will show up as "1.30" or entering "50" will show up as "50.00".

To add or insert an item use the arrow keys to move to the place you would like the new item inserted and type [A] or the [TAB] key on the I/O. Once you have entered and saved the items (using [G] for go) you will not need to enter them again. You may continue to add items until the disk is full. One data disk will hold 487 items. If you think you will have more items than that you may have to use more than one data disk. Remember to press [G] to save your added items.

If you no longer carry an item or have no more need for its inventory record you may delete the item by arrowing to that item's entry and pressing [D] or the [DELETE] key on the I/O.

When you have finished your editing, [G] saves and records your current modifications to disk over any previous data. It is not a good idea to press [RESET] while editing your items. It could produce unpredictable and unwanted results.

Pressing the [SPACE BAR] will display the most recent inventory values for the currently inversed item and allow you to change or update the current inventory. (See EDIT INVENTORY.) This option will also disable the [ESC] key temporarily. It does this so that any changes you make to the items must be saved using [G]. The reason for this is not readily apparent but it must be done so that certain inventory data is not changed, lost or used by another item. The display will be changed from [ESC]-EXIT to [ESC]-NULL for a null command.

Two keys whose functions are not displayed on the top two lines are [I] AND [M]. The [I] key will move a page back or up on the display while the [M] key will move a page forward or down.

Edit Date

Edit Date allows the user to change the date to the current date. Dates may be in the form "12/25/84" or "Dec 1984" but must be 8 characters or less.

Edit Locations

The Edit Locations option makes possible the editing of the number and name locations where inventory is stored. The keys stated perform the same functions as outlined in EDIT ITEMS/INVEN.

[CR]-CHANGE, [A]-ADD, [D]-DELETE
 [G]-GO, [ESC]-EXIT

WARNING: CHANGING LOCATIONS MAY VOID
 YOUR DATA DISK UNTIL NEXT UPDATE.

1 HIGH SC
 2 MIDDLE
 3 VALLY V
 4 HIGHLND
 5 NORTH P
 6 WAREHSE
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17

Sort Items

This option is very useful. It does alot of "housekeeping" work for you. After all of your items have been entered, this option will sort them. It first alphabetizes them by the item code, then alphabetizes the items within that particular code, and finally rennumbers the items starting at "1" and finishing on the last item. After the computer reads the items from the disk, it will begin sorting which could last up to 20 seconds. Be patient. You will now know exactly how many items you have stored on your data disk. Now, to save your sorted items press [G]. If you don't wish to save your sorted items simply press [ESC].

Print Options

This option will bring you to the PRINT OPTIONS menu. PRINT OPTIONS allows you to print reports of your inventory in a variety of ways. The top printed line on each page of every report contains the report type, the date, and the page number. The Print options menu is displayed like this:

INVENTORY PLUS PRINT OPTIONS
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INVENTORY SHEET	USE ARROW KEYS
ALL ITEM INFO	& [CR] TO SELECT
ITEMIZED REPORT	FUNCTION
TOTALS REPORT	
LOCATION REPORT	
ITEM REPORT	
CODE REPORT	
USE NEW DATA DISK	
NEW PRINT INFO	
EDIT OPTIONS	

TOP MAR 5 PRINTER DATE:07/24/84
 BTM MAR 5 SLOT 1
 LIN/PAG 66

Inventory Sheet

Inventory Sheet prints a sheet of all items with all item information. On the far left of the print-out are two columns where each location may mark their current inventory. The list may then be used to enter and update the current inventory.

All Item Info

This report will print a summary of all items, item numbers, units, type codes, company codes, and current prices.

Itemized Report

Every time you select a print option that will use the printer the following message will appear:

```
PLEASE TURN YOUR PRINTER ON  
AND SET PAPER TO TOP OF PAGE.  
[CR]-CONTINUE, [ESC]-EXIT
```

If you still wish to print that report press [CR], otherwise press [ESC]. This option generates an entire itemized report (very long).

Totals Report

You may select Totals Report for a condensed report that doesn't itemize each location.

Location Report

When you select this option the following prompt will appear.

```
ENTER LOCATION NAME:
```

If that location doesn't exist the computer will display:

```
LOCATION NOT FOUND. UNABLE TO CONTINUE.  
PRESS A KEY
```

After you enter the location name and it exists, the computer will print a report for that location.

Item Report

The item report works similar to the Location Report, but you must enter a valid item number.

Code Report

Code Report is also similar to the Location Report, but you must enter a valid item code.

Use New Data Disk

This option allows the printing of reports from an alternate data disk. Insert the other disk in drive 2 and press [CR].

New Print Info

Displayed at the bottom of the PRINT OPTIONS menu are 4 printer constants. Initially, these are set at: TOP MARGIN=5, BOTTOM MARGIN=5, LINES PER PAGE=66, PRINTER SLOT 1. To change these values select New Print Info and you will be allowed to change each value. The program is "smart" and will change unacceptable values to correct values, or not allow you to enter them at all. If you would like a report printed to the screen only, and not on paper, select the printer slot as 0 and the printer will be OFF. [CTRL-S] may be used to halt the printing temporarily and [ESC] will halt the printing and return to the PRINT OPTIONS menu.

Edit Options

Returns you to the EDIT OPTIONS menu.

Disk Options

This will bring you to the DISK OPTIONS menu. DISK OPTIONS allows you to back-up and format your data diskette.

INVENTORY PLUS DISK OPTIONS
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BACK-UP DATA DISK USE ARROW KEYS
FORMAT DISK & [CR] TO SELECT
NEW DISK INFO FUNCTION
EDIT OPTIONS

DISK SLOT DRIVE DATE:07/24/84
A 6 1
B 6 2

Back-up Data Disk

Back-up Data Disk allows you to make a back-up disk of your inventory data. Normally this copies from drive 1 (A) to drive 2 (B). Copying your data disk will produce an exact duplicate of your source disk (A) on your destination disk (B). Note: the disk must have been formatted (FORMAT DISK) at least once before. The prompt on the screen reads:

COPY FROM DISK A TO DISK B

NOTE: DISK A IS YOUR ORIGINAL DATA
DISK AND DISK B IS THE BACK-UP COPY.

YOU SHOULD RE-INSERT YOUR DISKS IN
THE CORRECT DRIVES AT THIS TIME.

[CR]-CONTINUE, [ESC]-EXIT

Pressing [CR] will go on with the copy, and [ESC] will stop and return you to the main menu.

Format Disk

Format Disk initializes a disk that has never been used or reformats a disk that has been used. If your disk is new and has never been used use this option. It will also erase your disk so there are no items, no locations, and no inventory. First you must choose which disk to format:

DISK A
DISK B

In most cases you should choose DISK B (Slot 6, Drive 2) because this is where your data disk is inserted. The program will prompt you to double safeguard against losing all your data:

WARNING: THIS OPTION DESTROYS ANY DATA
CURRENTLY ON DISK.

FORMAT DISK (Y/N)? N

New Disk Info

New Disk Info will let you change your disk drive set-up if you have a non-standard configuration, such as your disk drives in slot 7, etc.

Edit Options

Returns you to the EDIT OPTIONS menu once again.

Boot Disk

When you want to exit Inventory Plus and run another program without turning your Apple off, select the Boot Disk option.

BOOT DISK

INSERT DISK TO BOOT IN SLOT 6 DRIVE 1
[CR]-CONTINUE, [ESC]-EXIT

If you try to boot your data disk you will see this message:

INVENTORY PLUS DATA DISK

INSERT ANOTHER DISK AND

PRESS A KEY TO REBOOT.

Exit To Basic

Choosing this option will end the program and leave the user in applesoft basic.

Error Messages

Very seldom will you get an error message. On the chance that you do, the most common error would be an error with the disk or disk drive.

If a "I/O ERROR" (Input/Output Error) occurs, be sure the disks are inserted in the correct drives and the drive doors are closed. If you still have problems something may be wrong with your disk. You may try recopying your data disk to a new disk.

If the message "THE DISK IS WRITE PROTECTED" occurs, this means you must remove the write protect sticker from your disk or the computer is unable to save any information to the disk.

If the message "FILE NOT FOUND" occurs, the incorrect disk is inserted in drive 1. The disk in drive 1 should be marked "Inventory Plus".

The Final Word

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New From Apex Software: *Inventory Plus*

Inventory Plus provides inventory control for use with any number of items in up to 17 different locations. Inventory Plus includes the following features that make it the best and most cost efficient inventory package available:

1. *Very user-friendly*

It is virtually impossible to make a fatal mistake. Inventory Plus tells you what can go wrong before it happens and then prevents it from ever happening. An instruction manual is included that teaches an inexperienced user how to use the program in a simple, concise, and logical manner.

2. *Simple selection of functions*

The program accepts commands with the simple operation of pressing the arrow keys and the RETURN key.

3. *Versatile*

Inventory Plus may be used in any inventory application. By using an individual disk for each application you may have thousands of items recorded and organized in the most efficient way. Inventory Plus may be used in the home to record and organize information regarding values of household items for insurance purposes.

4. *Speed*

Inventory Plus is written to operate in the fastest and most efficient way possible. The program is limited only by the speed of your printer.

Other Features

1. Fifteen character Item Names
2. Calculated broken case price
3. Seven different report options
4. Built in Back-up program
5. Three different user-defined codes (Item number, Vendor, Type)
6. Provided with sample data disk containing 450 items
7. Handles 17 different storage locations
8. Cuts inventory processing time dramatically
9. 487 Items on each data disk

Disclaimer

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The program will operate on any Apple with two drives, a monitor, and a printer.

Memory Map - Inventory Plus

\$0800-\$14FF Main Program *\$300 GLOBAL VARS*
EDIT
PRINT
DISK
\$1500-\$17FF Dos I/O Routines
Read/Write ITEMS
Read/Write VTOC
Read/Write SCHOOLS
Read/Write NUM
Set VTOC given T/S
Clear VTOC given T/S
Find free sector
RWTS
Save Lines
Restore Lines
\$1800-\$1FFF General I/O Routines
Scroll down
Inverse line
Normal line
Input (String & Numeric)
Get yes/no answer
Get RETURN/ESC
Get a key
Field input
Message output
Print Using
Other Misc Routines
\$2000 NUM Buffer
\$2100 SCHOOL Buffer
\$2200 Temp Buffer 1
\$2300 Temp Buffer 2
\$2500-\$9A00 ITEM Buffer (MAXFILES 1)
\$B3BB VTOC Buffer

Items Sector

Relative Use		Bytes
0	Track	1
1	Sector	1
2-5	Item Number	4
6	Item Code	1
7-21	Item Name	15
22-29	Item Size	8
30-34	Cost	5
35	Company Code	1

Absolute Use		Bytes
0-35	First Entry	36
36-71	Second Entry	36
72-107	Third Entry	36
108-143	Fourth Entry	36
144-179	Fifth Entry	36
180-215	Sixth Entry	36
216-251	Seventh Entry	36
252-255	Unused	4

Total memory used for ITEMS: 70x256 =17920

School Sector

Absolute Use		Bytes
0	# of Schools	1
1-7	School 1	7
8-14	School 2	7
15-21	School 3	7
21-28	School 4	7
29-35	School 5...	7
106-112	School 16	7
113-119	School 17	7
120-255	Unused	

Inventory (Num) Sector

Relative Use		Bytes
0-4	Cases	5
5-9	Each	5
10-14	Received	5

Absolute Use		Bytes
0-14	Data School1	15
15-29	Data School2	15
30-44	Data School3	15
45-59	Data School4	15
60-79	Data School5...	15
225-239	Data School16	15
240-254	Data School17	15
255	Unused	

VTOC Sector

Absolute Use		Bytes
1	#11	1
2	#00	1
3	#03 Dos 3.3	1

6 \$FE Volume 1
7-14 Date 8
 (07/17/84)
\$38-\$FF Bit maps or free sectors
 Track 0
 Track 1...
 Track 33
 Track 34 and beyond

Relative Use		Bytes
0	FEDC BA98	1
1	7654 3210	1
2-3	Unused	1

Disk Use

560 Total Sectors
1 BOOT \$0,\$0
1 VTOC \$11,\$0
1 SCHOOL \$11,\$1
70 ITEM Sectors \$12,\$0-\$16,\$5
487 NUM Sectors (All others)

Initialization of Data Disk

1. Boot Sector
2. VTOC Sector -- Marked Used, Date 00/00/00
3. Item Sector -- \$FF in byte \$24
4. School Sector -- 1 School

Food Service Director -- State Level
Dahn Carrison
Stillwater School District #834
439-5160

Food Service Director
Elaine Niesche
Columbia Heights School District #13
574-6545
Home 572-8958

MEALS, ED

:P

LST OFF

ITMPTR = \$00 ; X=0, MID
ITMPTR2 = ITMPTR+2 ; X=2, TOP
ITMPTR4 = ITMPTR+4 ; X=4, BTM
ITMPTR6 = ITMPTR+6 ; TO
ITMPTR8 = ITMPTR+8 ; FROM

GDLFTR = ITMPTR+10

SCHPTR = ITMPTR+12

WNDLFT = \$20

WNDWTH = \$21

WNDTOP = \$22

WNCBTM = \$23

CH = \$24

CV = \$25

BASL = \$28

FAC = \$9D

DEC = \$FB

TMP = \$FD

LENIN = \$FF

IN = \$200

NUMF = \$300

CHF = \$301

CVF = \$302

CFNUM = \$303

CFNUM1 = \$304

PFNUM = \$305

NUMINF = \$306

YSAV = \$307

YSAV1 = \$308

YSAV2 = \$309

YSAV3 = \$30A

GUDCNT = \$30B

CHSAV = \$30C

CVSAV = \$30D

STKPTR = \$30E

RUNFLG = \$30F

SOFT = \$310 ; 2 BYTES

CONNECT = \$3EA

SOFTEV = \$3F2

DIO = \$1500

RDVTOC = DIO

WRTVTOC = DIO+3

DORWTS = DIO+6

SAVLIN = DIO+9

RESLIN = DIO+12

GIO = \$1800

SCRLDN = GIO

INVLIN = GIO+3

NRMLIN = GIO+6

INPUT = GIO+9

INNUM = GIO+12

GTYN = GIO+15

GTCR = GIO+18

STAKY = GIO+21

```

FLDIN      =      GIO+24
MSG        =      GIO+27
MSG1       =      GIO+30
MSG2       =      GIO+33
MSG3       =      GIO+36
USNG       =      GIO+39
COFYRGT   =      GIO+42
PRITM      =      GIO+45
PRITM1     =      GIO+48
RESITM     =      GIO+51
INCITM     =      GIO+54
DECITM     =      GIO+57

```

```

* PRTN1 = GIO+60
* RESGDL = GIO+63
* INCGDL = GIO+66

```

```

RESSCH     =      GIO+69
INCSCH     =      GIO+72
BOOT       =      GIO+75
SETVID1    =      GIO+78
FIXNUM     =      GIO+81
FIXKEY     =      GIO+84

```

```

TMPBUF1    =      $2200
TMPBUF2    =      $2300
ITMBUF     =      $2500
VTOCBUF    =      $B3BB
TRKBYT     =      VTOCBUF+$38
STR         =      $5000
STRIN      =      STR
STRPRT     =      STR+3
STRPRTA    =      STR+6
CENSTR     =      STR+9

```

```

KEY        =      $C000
KEYSTR     =      $C010
REBOOT     =      $C600
TEXT       =      $FB2F
SETPWRC    =      $FB6F
VTAB       =      $FC22
HOME       =      $FC58
COUT       =      $FDED
SCROLL     =      $FC70
MOVFM      =      $EAF9      ; MEMTOFAC
MOVFM      =      $EB2B      ; FACTOMEM
FADD       =      $E7BE
FCOMP      =      $EBB2
INT        =      $EC23
ABS        =      $EBAF
BS         =      $FC10
CLEOP      =      $FC42
SETINV     =      $FE80
SETNORM    =      $FE84
SETVID     =      $FE93
SETKBD     =      $FE89
OUTPORT    =      $FE95
GETADR     =      $E752
LINNUM     =      $50
RDKEY     =      $FDOC

```

```

INCOME     =      $6000+70      ; FP NUMBER
MEMBER     =      INCOME+5      ; FP NUMBER
INCOMET    =      MEMBER+5      ; 0=YEAR, 1=MONTH, 2=WEEK
MEMHOUS    =      INCOMET+1     ; ONE BYTE NUMBER
NONAMES    =      MEMHOUS+1     ; FLAG IF NAMES NOT LISTED
NOSOCIAL   =      NONAMES+1     ; FLAG IF NO SOCIAL SECURITY NUMBERS

```



```

NOSIG      -      NOSIG+1      ;FLAG IF NO SIGNATURE
HIINCOM    =      NOSIG+1      ;FLAG IF INCOME TOO HIGH
INCOMPLT   =      HIINCOM+1    ;FLAG IF INCOMPLETE APPLICATION
APPDEN     =      INCOMPLT+1   ;0=DENIED,1=APPROVED FREE,2=APPROVED REDUCED
NONGS      =      APPDEN+1     ;FLAG IN NO NAMS, STUDENT, GRADE LISTED
ANALYSIS   =      NONGS+1     ;FLAG IF ANALYSIS HAS BEEN RUN

      ORG   $B03

      JMP   BEGIN

PATCH     JSR   SAVLIN
          HEX   EAEAEAEAEAEAEAEAEAE
PATCH1    JSR   GTAKY
          JSR   RESLIN
          JMP   (SOFTEV)

F1         ASC   "ELIGIBILITY"8D
          ASC   "EDIT GUIDELINES"8D
          ASC   "ENTER MISC INFO"8D
          ASC   "EDIT DATE"8D
          ASC   "PRINT OPTIONS"8D
          ASC   "BOOT DISK"8D
          ASC   "EXIT TO BASIC"0000

F2         ASC   "YEARLY"8D
          ASC   "MONTHLY"8D
          ASC   "WEEKLY"0000

INCMINDX   DFB   0

BEGIN     LDA   RUNFLG
          CMP   #$69
          BEQ   BEGIN1
          LDA   #0
          STA   $B00
          STA   $B01
          STA   $B02
          STA   ANALYSIS
          LDX   #0           ;DOS ERROR PATCH

PATCHIT  LDA   PATCH,X
          STA   $A6D5,X
          INX
          CPX   #12
          BCC   PATCHIT
          LDX   #0

PATCHIT1 LDA   PATCH1,X
          STA   $A6EF,X
          INX
          CPX   #9
          BCC   PATCHIT1
          LDA   #$69
          STA   RUNFLG
          LDA   SOFTEV
          STA   SOFT
          LDA   SOFTEV+1
          STA   SOFT+1
          TSX
          STX   STKPTR
          LDX   #0
          TXA
          STA   VTOCBUF,X
          INX
          BNE   RESVTOC
          JSR   RDVTOC
          LDA   #<MENU
          STA   RESVTOC

```

MENU

```
LDA #>MENU
STA SOFTEV+1
JSR SETPWRC
LDX STKPTR
TXS
JSR SETVID1
JSR SETKBD
JSR TEXT
JSR HOME
LDA #4
LDY #0
JSR MSG1
ASC "Free/Reduced Meals Edit Options"BD00
JSR COPYRGT
```

```
LDA #5
STA CVF
LDA #0
STA CHF
LDA #<F1
LDY #>F1
JSR FLDIN
ASL
TAX
LDA SUBADR+1,X
PHA
LDA SUBADR,X
PHA
RTS
```

SUBADR

```
DA DETELG-1
DA EDGUID-1
DA MISCIN-1
DA DATE-1
DA $7000-1
DA BOOT-1
DA EXIT-1
```

PROPT

```
DD 0
JSR CONNECT
JSR MSG3
HEX BD84
ASC "BRUN MEALS.PR"BD00
```

DETELG

```
JSR CONNECT
JSR MSG3
HEX BD84
ASC "BLOADELIGIBILITY,A$6000"BD00
JSR SETVID1
JSR SETKBD
```

DETELG

```
FIN
JSR HOME
LDA #0
STA ANALYSIS
STA HIINCOM
LDY #0
JSR MSG
ASC "Please enter the following information."00
LDY #2
JSR MSG
ASC "Applicant's name:"BD
INV "1"BD8D
ASC "Total household income:"BD8D
ASC "Type (yearly, monthly, weekly):"BD
ASC " Use arrow keys & [CR]"BD8D
```

```

INV      "1"BD8D
ASC      "Number of members in household:"00
LDY      #13
JSR      STRPRT
LDY      #14
JSR      STRPRT
JSR      PRTNIN
JSR      PRTNMEM

LDY      #13
JSR      STRIN
LDX      #6
LDA      #5
LDY      #24
JSR      INNUM
BCS      DET4
JSR      INT
JSR      ABS
LDX      #<INCOME
LDY      #>INCOME
JSR      MOVMF
DET4     JSR      PRTNIN
LDA      #7
STA      CVF
LDA      #32
STA      CHF
LDA      #<F2
LDY      #>F2
JSR      FLDIN
STA      INCOMET
LDY      #14
DET3AA   JSR      STRIN
LDX      #2
LDA      #13
LDY      #32
JSR      INNUM
BCS      DET3
JSR      INT
JSR      ABS
LDX      #<MEMBER
LDY      #>MEMBER
JSR      MOVMF
JSR      GETADR
LDA      LINNUM
STA      MEMHOUS
DET3     BEQ      DET3AA
JSR      PRTNMEM
LDY      #14
JSR      MSG
ASC      "Double check for the following:"00
LDY      #16
JSR      MSG
ASC      "Names of members listed? Y"00
JSR      GTYN
BCC      DET5
LDA      #$80
JMP      DET5+2
DET5     LDA      #0
STA      NONAMES
LDY      #17
JSR      MSG
ASC      "Social security numbers? Y"00
JSR      GTYN
BCC      DET6
LDA      #$80

```

```

DET6      LDA #0
          STA NOSOCIAL
          LDY #18
          JSR MSG
          ASC "Signature of adult household member? Y"00
          JSR GTYN
          BCC DET7
          LDA #80
          JMP DET7+2
DET7      LDA #0
          STA NOSIG
          LDY #19
          JSR MSG
          ASC "Student name, school and grade? Y"00
          JSR GTYN
          BCC DET6A
          LDA #80
          JMP DET6A+2
DET6A     LDA #0
          STA NONSG
          LDY MEMHOUS
          CPY #9
          BCS DET20      ;MORE THAN 8 IN HOUSE
          JSR RESGDL
DET10     DEY
          BEQ DET10A
          JSR INCGDL
          JMP DET10
DET10A    LDA #0
          LDY INCOMET
          BEQ DET12
DET11     CLC
          ADC #5
          DEY
          BNE DET11
DET12     STA INCMINDX
          LDY #>INCOME
          LDA #<INCOME
          JSR MOVFM
          LDA GDLPTR
          CLC
          ADC INCMINDX
          LDY GDLPTR+1
          JSR FCOMP
          CMP #1
          BNE SAYFREE   ;CHECK REDUCED NOW
SAYFREE   JMP DET30
          LDA #1
          STA APPDEN
          LDY #22
          JSR MSG
          ASC "Approved free meals"00
          JMP EXITDET
DET20     JSR RESGDL      ;MORE THAN 8 IN FAMILY
          LDA GDLPTR
          CLC
          ADC #210
          STA GDLPTR
          LDA #0
          LDY INCOMET
          BEQ DET14
DET13     CLC
          ADC #5
          DEY

```

```

DET14 STA INCMINDX
      LDA GDLPTR
      CLC
      ADC INCMINDX
      LDY GDLPTR+1
      JSR MOVFM
      LDA MEMHOUS
      SEC
      SBC #8
      TAY
DET15 TYA
      PHA
      LDA #<TMPBUF2
      CLC
      ADC INCMINDX
      LDY #>TMPBUF2
      JSR FADD
      PLA
      TAY
      DEY
      BNE DET15
      LDA #<INCOME
      LDY #>INCOME
      JSR FCOMP
      CMP #FF ;CHECK REDUCED NOW
      BEQ DET16
      LDA #1
      STA APFDEN
      JMP SAYFREE
DET16 LDA GDLPTR ;CHECK FOR REDUCED IF OVER 8
      CLC
      ADC #15
      ADC INCMINDX
      LDY GDLPTR+1
      JSR MOVFM
      LDA MEMHOUS
      SEC
      SBC #8
      TAY
DET17 TYA
      PHA
      LDA #<TMPBUF2
      CLC
      ADC #15
      ADC INCMINDX
      LDY #>TMPBUF2
      JSR FADD
      PLA
      TAY
      DEY
      BNE DET17
      LDA #<INCOME
      LDY #>INCOME
      JSR FCOMP
      CMP #FF
      BEQ SAYDEN
      JMP SAYRED
DET30 LDA GDLPTR ;CHECK FOR REDUCED
      CLC
      ADC #15
      ADC INCMINDX
      LDY GDLPTR+1
      JSR FCOMP
      CMP #1
      BEQ SAYDEN

```

```

SHIRED          LDA #2
                STA APPDEN
                LDY #22
                JSR MSG
                ASC "Approved reduced meals"00
                JMP EXITDET
SAYDEN          LDA #$80
                STA HIINCOM
SAYDEN1         LDA #0
                STA APPDEN
                LDY #22
                JSR MSG
                ASC "Denied."00
                JMP EXITDET3
EXITDET         DO 0
                JSR CONNECT      ;EXIT DETERMINE
                JSR MSG3
                HEX BDB4
                ASC "BSAVEELIGIBILITY,A#6000,L90"BD00
                JSR SETVID1
                JSR SETKBD
EXITDET         LDA NONAMES
                BEQ EXITDET2
                LDA NOSOCIAL
                BEQ EXITDET2
                LDA NOSIG
                BEQ EXITDET2
                LDA NONSG
                BEQ EXITDET2
                LDA #0
                STA INCOMPLT
                LDA #"."
EXITDET3        LDA #$80
                STA ANALYSIS
                JSR GTAKY
EXITDET2        JMP (SOFTEV)
                LDA #$80
                STA INCOMPLT
                JSR MSG3
                ASC ", but incomplete."00
                LDA #0
                STA APPDEN
                JMP EXITDET3
DATE            JSR RDVTOC
                LDX #14
                LDA #21
                LDY #25
                JSR INPUT
                BCS DATE1
                LDY #7
                LDX #0
DATE2           LDA IN,X
                STA VTOCBUF,Y
                INY
                INX
                CPX #14
                BCC DATE2
                JSR WRTVTOC
DATE1           JMP (SOFTEV)
EXIT            LDA SOFT
                STA SOFTEV
                LDA SOFT+1
                STA SOFT+1

```

JSR SETPWRC
JSR SETVID
JSR SETKBD
JSR CONNECT
JSR HOME
JMP \$3D0

MISCIN

JSR CONNECT
JSR MSG3
HEX 8D84
ASC "BLOADMISCINFO,A#4000"8D00
JSR SETVID1
JSR SETKBD
JSR HOME
JSR MSG3
ASC "Please enter the following information."00
LDY #3
JSR MSG
ASC "Letterhead:"8D8D8D8D8D8D8D
ASC "Determining official & title:"8D8D8D8D
ASC "Appeal officer name, address & phone:"8D8D8D8D8D8D8D
ASC "Reduced breakfast price:"8D
ASC "Reduced lunch price:"00
LDY #4
JSR MSG
INV "1"8D
INV "2"8D
INV "3"8D
INV "4"8D
INV "5"8D8D8D
INV "1"8D
INV "2"8D8D8D
INV "1"8D
INV "2"8D
INV "3"8D
INV "4"00
LDY #0

MIS1

JSR STRPRT
INY
CPY #13
BCC MIS1
LDY #0

MIS2

JSR STRIN
INY
CPY #13
BCC MIS2
JSR CONNECT
JSR MSG3
HEX 8D84
ASC "BSAVEMISCINFO,A#4000,L405"8D00
JSR SETVID1
JSR SETKBD
LDA #22
STA CV
JSR GTAKY
JMP (SOFTEV)

EDGUID

JSR CONNECT
JSR MSG3
HEX 8D84
ASC "BLOADGUIDELINES,A#2200"8D00
JSR SETVID1
JSR SETKBD
JSR HOME
JSR MSG3
ASC "ESD1 Change - 501 - 5551 Exit 100

```
LDY #2
JSR MSG
ASC "FAM FREE MEALS "
ASC " REDUCED MEALS"8D
ASC "SIZ "
INV "YEARLY"
ASC " "
INV "MONTH"
ASC " "
INV "WEEK"
ASC " "
INV "YEARLY"
ASC " "
INV "MONTH"
ASC " "
INV "WEEK"00
LDA #1
STA WNDWTH
LDA #1
STA WNDLFT
LDA #0
STA CH
LDA #5
STA CV
JSR VTAB
JSR MSG3
ASC "12345678"00
JSR TEXT
LDY #13
JSR MSG
ASC "ADD"8D
ASC "MEM"00
LDA #5
STA CV
JSR VTAB
JSR RESGDL
LDA #0
STA GUDCNT
LDY #0
LDA #4
LDX #6
JSR PRTN1
LDA #11
LDX #5
JSR PRTN1
LDA #17
LDX #4
JSR PRTN1
LDA #22
LDX #6
JSR PRTN1
LDA #29
LDX #5
JSR PRTN1
LDA #35
LDX #4
JSR PRTN1
INC CV
JSR VTAB
JSR INCGDL
INC GUDCNT
LDA GUDCNT
CMP #9 ;FAMILY SIZE
BCC GDL2A
```

GDL2A


```

JSR RECDL
LDA #5
STA CV
GDL4 JSR INVLIN
GDL5 BIT KEYSTR
LDA KEY
BPL GDL5
JSR FIXKEY
CMP #8B ; BS
BNE GDL6
LDA CV
CMP #5
BEQ GDL4
JSR NRMLIN
DEC CV
JSR INVLIN
JSR DECGDL
GDL6 JMP GDL4
CMP #95 ; FS
BNE GDL7
LDA CV
SEC
SBC #4
CMP #9 ; FAMILY SIZE
BEQ GDL4
JSR NRMLIN
INC CV
JSR INVLIN
JSR INCGDL
GDL7 JMP GDL4
CMP #8D ; CR
BEQ GDL7F
GDL7F JMP GDL8
JSR NRMLIN
LDX #6
LDA CV
LDY #4
JSR INNUM
BCS GDL7A
JSR INT
JSR ABS
LDX GDLPTR
LDY GDLPTR+1
GDL7A JSR MOVMF
LDY #0
LDX #6
LDA #4
JSR PRTN1
LDX #5
LDA CV
LDY #11
JSR INNUM
BCS GDL7B
JSR INT
JSR ABS
LDA GDLPTR
CLC
ADC #5
TAX
LDY GDLPTR+1
GDL7B JSR MOVMF
LDY #5
LDX #5
LDA #11
JSR PRTN1
LDX #4

```

GDL7C

LDY #17
JSR INNUM
BCS GDL7C
JSR INT
JSR ABS
LDA GDLPTR
CLC
ADC #10
TAX
LDY GDLPTR+1
JSR MOVMF
LDY #10
LDX #4
LDA #17
JSR PRTN1
LDX #6
LDA CV
LDY #22
JSR INNUM
BCS GDL7D
JSR INT
JSR ABS
LDA GDLPTR
CLC
ADC #15
TAX
LDY GDLPTR+1
JSR MOVMF
LDY #15
LDX #6
LDA #22
JSR PRTN1
LDX #5
LDA CV
LDY #29
JSR INNUM
BCS GDL7E
JSR INT
JSR ABS
LDA GDLPTR
CLC
ADC #20
TAX
LDY GDLPTR+1
JSR MOVMF
LDY #20
LDX #5
LDA #29
JSR PRTN1
LDX #4
LDA CV
LDY #35
JSR INNUM
BCS GDL7G
JSR INT
JSR ABS
LDA GDLPTR
CLC
ADC #25
TAX
LDY GDLPTR+1
JSR MOVMF
LDY #25
LDX #4
LDA #35

GDL7D

GDL7E

GDL7G

```

PRTN1
JSR INVLIN
GDL8 JMP GDL4
CMP #9B ;ESC
BNE GDL13
GDL13 JMP GDLGOEX
CMP #G" ;GO
BNE GDL17
JSR NRMLIN
JSR CONNECT
JSR MSG3
HEX 8D84
GDLGOEX ASC "BSAVEGUIDELINES,A$2200,L290"BD00
JSR SETVID1
JSR SETKBD
GDL17 JMP (SOFTEV)
JMP GDL4

RESGDL LDA #<TMPBUF1
STA GDLPTR
LDA #>TMPBUF1
STA GDLPTR+1
RTS

DECGDL LDA GDLPTR+1
CMP #>TMPBUF2
BEQ DECGDL1
LDA GDLPTR
SEC
SBC #30
STA GDLPTR
RTS

DECGDL1 LDA #>TMPBUF1
STA GDLPTR+1
LDA #210
STA GDLPTR
RTS

INCGDL LDA GDLPTR
CLC
ADC #30
CMP #240
BEQ INCGDL1
STA GDLPTR
RTS

INCGDL1 LDA #<TMPBUF2
STA GDLPTR
LDA #>TMPBUF2
STA GDLPTR+1
RTS

PRTNIN LDA #24
STA CH
LDA #5
STA CV
JSR VTAB
LDA #6
STA PRTN1A+1
LDY #>INCOME
LDA #<INCOME
JSR MOVFM
PRTNMEM JMP PRTN1A
LDA #32
STA CH
LDA #13
STA CV

```

```
LDA #2  
STA PRTN1A+1  
LDY #>MEMBER  
LDA #<MEMBER  
JSR MOVFM  
JMP PRTN1A
```

```
PRTN1 STA CH  
STX PRTN1A+1  
TYA  
STA YSAV3  
CLC  
ADC GDLPTR  
LDY GDLPTR+1  
JSR MOVFM
```

```
PRTN1A LDX #5  
LDA #<SXD2  
LDY #>SXD2  
JSR USNG  
LDA YSAV3  
CLC  
ADC #5  
TAY  
RTS
```

```
SXD2 ASC ' '  
  
ERR *-1/$1500
```

:

Apex Software Product Announcement:

Inventory Plus

Inventory Plus provides inventory control for use with any number of items in up to 17 different locations. The program was designed specifically for Columbia Heights School District's food services in Minnesota. It is now being used and has proven itself a valuable asset in recording and organizing the school's inventory system. Inventory Plus features the following benefits that make it the best program available:

1. Very user-friendly

It is virtually impossible to make a fatal mistake. Inventory Plus tells you what can go wrong before it happens and then prevents it from ever happening. An instruction manual is included that teaches an inexperienced user how to use the program in a simple, concise, and logical manner.

2. Simple selection of functions

The program accepts commands with the simple operation of pressing the arrow keys and the RETURN key.

3. Versatile

Although Inventory Plus was designed for Food control, it may be used in any inventory application. By using an individual disk for each application you may have thousands of items recorded and organized in the most efficient way.

4. Speed

Inventory Plus is written entirely in machine-code for the fastest most memory-efficient program possible. The program is limited only by the speed of your printer.

The program will operate on any Apple with two drives, a monitor, and a printer.

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Call for further information: (612) 571-8650

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COMMODITY	NO./SIZE CANS OR		NET WEIGHT	COST PER POUND	COST PER CAN	COST PER CASE, BALE, BAG
	LBS. PER CASE		PER CASE/BALE/BAG			
✓ Milk (non-fat dry)	50#	Bag	50.0#	.9600		48.00
✓ Mixed Fruit (canned)	6/#10	Cs	40.0#	.3384	2.26	13.54
✓ Oats (rolled)	12/3#	B1	36.0#	.1597	.48	5.75
✓ Peaches (canned)	6/#10	Cs	40.0#	.3376	2.25	13.50
✓ Pears (canned)	6/#10	Cs	40.0#	.3246	2.16	12.98
✓ Peanuts, Roasted	6/#10	Cs	24.0#	.8810	3.52	21.14
✓ Peanut Butter (canned)	6/#10	Cs	41.25#	.7280	5.01	30.30
✓ Peanut Granules	6/#10	Cs	21.0#	.7950	2.78	16.70
✓ Peas (canned)	6/#10	Cs	40.0#	.2499	1.67	10.00
✓ Pineapple Juice (canned)	12/46 oz.	Cs	37.7#	.2479	.78	9.35
✓ Pineapple (canned)	6/#10	Cs	41.4#	.3709	2.56	15.36
✓ Pork (canned)	24/29 oz.	Cs	43.5#	1.3978	2.53	60.80
✓ Pork (frozen ground)	55#	Cs	55.0#	1.1073		60.90
✓ Potato Rounds (frozen)	6/5#	Cs	30.0#	.2971	1.49	8.91
✓ Potatoes, French Fried	6/5#	Cs	30.0#	.2597	1.30	7.79
✓ Potatoes, (dehydrated)	6/5#	Cs	30.0	.3778	1.89	11.33
✓ Potatoes, Sweet Mashed (canned)	6/#10	Cs	41.0#	.2536	1.73	10.40
✓ Prunes (pitted)	25#	Cs	25 #	.6327		15.82
✓ Raisins	30#	Cs	30.0#	.5795		17.39
✓ Rice (milled)	25#	Bag	25.0#	.1813		4.53
✓ Salad Oil	6/1	Gal	46.2#	.3968	3.06	18.33
✓ Spaghetti	20#	Cs	20.0#	.1874		3.75
✓ Vegetable Shortening	12/3#	Cs	36.0#	.4125	1.24	14.85
✓ Tomatoes (canned)	6/#10	Cs	38.25#	.3070	1.96	11.74
✓ Tomato Paste (canned)	6/#10	Cs	41.62#	.4075	2.83	16.96
✓ Tomato Juice	12/46 oz.	Cs	36.5#	.2164	.66	7.90
✓ Turkeys (frozen whole)	12#-24#	Cs	40.0#	.6341		25.36
✓ Turkey Roasts	4/8-12#	Cs	40.0#	1.0641		42.56
✓ Wheat (rolled)	5/10#	B1	50.0#	.1594	1.59	7.97
✓ <i>Wheat</i>	<i>30#</i>	<i>cs.</i>	<i>30#</i>	<i>1.4834</i>		<i>44.50</i>
✓ <i>Just Apples</i>			<i>40#</i>			<i>7.21</i>

STANDARDIZED COMMODITY COSTS
EFFECTIVE JULY 1, 1983

This list shall be used for computing the value of U.S. Department of Agriculture donated commodities reported in Items 6 through 10 of the Child Nutrition Annual Financial Report and the value of commodities reported as inventory, revenue, and food costs on the school district's Annual Financial Report in accordance with the Manual of Instruction for Uniform Financial Accounting for Minnesota School Districts.

COMMODITY	NO./SIZE		NET WEIGHT		COST PER POUND	COST PER CAN	COST PER CASE, BALE, BAG
	CANS OR		PER	CASE/BALE/BAG			
	LBS. PER CASE						
✓ Applesauce (canned)	6/#10	Cs	40.5#		.2402	\$ 1.62	\$ 9.73
✓ Apple Juice (canned)	12/#3	Cs	37.7#		.2374	.75	8.95
✓ Beans (Dry, Great Northern)	25#	Bag	25.0#		.1566		3.92
✓ Beans (Pinto)	25#	Bag	25.0#		.1566		3.92
Beans (Pea)	25#	Bag	25.0#		.1566		3.92
✓ Beans (canned green)	6/#10	Cs	38.0#		.2269	1.44	8.62
✓ Beans (frozen green)	30#	Cs	30.0#		.3070		9.21
✓ Beans (canned vegetarian)	6/#10	Cs	40.50#		.1965	1.33	7.96
✓ Beef (canned in N.J.)	24/29 oz.	Cs	43.5#		1.4954	2.71	65.05
✓ Beef (frozen ground)	55#	Cs	55.0#		1.1691		64.30
Beef Patties, Frozen	36#	Cs	36.0#		1.1194		40.30
✓ Bulgur	25#	Bag	25.0#		.1188		2.97
✓ Butter (print)	32/1#	Cs	32.0#		1.5600		49.92
✓ Cheese (cheddar)	40#	Block	40.0#		1.4500		58.00
✓ Cheese (processed)	6/5#	Cs	30.0#		1.4700		44.10
✓ Cheese (Mozzarella)	8.6#	Cs	48.0#		1.3900		66.72
Cherries (fzn. red tart)	30#	Cs	30.0#		.4682		14.05
✓ Chicken (fzn. cut-up)	40#	Cs	40.0#		.5206		20.82
✓ Chicken Patties, Frozen	40#	Cs	40.0#		.9157		36.63
Chicken (drums & thighs)	40#	Cs	40.0#		.5227		20.91
✓ Cornmeal	5/10#	B1	50.0#		.1283		6.42
✓ Corn (liquid pack)	6/#10	Cs	39.75#		.2490	1.65	9.90
✓ Flour (all purpose)	50#	Bag	50.0#		.1119		5.60
✓ Flour (bread)	50#	Bag	50.0#		.1257		6.29
✓ Grapefruit Juice	12/46 oz.	Cs	37.3#		.1743	.54	6.50
✓ Honey	6/5#	Cs	30.0#		.7000		21.00
✓ Macaroni	20#	Cs	20.0#		.1764		3.53