

DICK SMITH'S

X-3750

SCAP

(Stock Control & Pricing)

system

DISTRIBUTORS PTY LTD
STATUS SHEET

Description	Loc	Stock	Count	On Hand
2 SHELF RECORDER	S4	.....		8
	S2	.....		0

DISTRIBUTORS PTY LTD
STATUS REPORT 08/12/80

Description	Min Bal	On Hand	On Order	Loc	Unit Cost	Sold Month	Sold YTD	NMO
HI FI STAND 2 SHELF	12	8	0	S4	37.00	22	22	+
MINI CASSETTE RECORDER	15	0	30	S2	33.75	10	10	NMO

DISTRIBUTORS PTY LTD
PRICE LIST 08/12/80

Order No	A	Description	T	Selling Price	Bulk Price	On Hand	Cost Price	GP%	Supl
0108	N	HI FI STAND 2 SHELF	B	49.50	45.00	8	37.00	14.0	4646
050	A	MINI CASSETTE RECORDER	A	45.00	41.10	0	33.75	4.4	8090
077		SYSTEM 80 TECHN. MANUAL	D	9.95	8.75	87	7.35	26.1	6890
025		AUSTRALIAN CB RAD. H'BOOK	C	3.95	3.20	197	2.95	23.4	8090
04525		BOOK - GOLD FINDER NOLAN	C	1.95	1.70	15	1.47	22.7	6890
03832	D	CASSETTE CLEANER DEMAG	A	5.95	5.10	12	4.20	10.0	4560
009	N	MARINE RADIO MIDLAND 12C	A	125.00	118.00	3	100.00	*****	3450
050	N	CB RADIO 18 CHANNEL	A	89.50					
016	D	YAESU ANTENNA 15M	A	20.00					
02201		DIECAST ALUMINIUM BOX	B	9.00					
02751	N	ZIPPY BOX 150X90X50	B	2.00					
090		EXTENSION CORD - 3M	B	2.00					
010		POWER PAK - 4 SWITCH 240V	B	16.00					
0100		3MM X 25MM RND HD SCREW	C	0.00					
01820		SOLDERING IRON 12WATTS	B	15.00					
02430	N	WIRE STRIPPER	B	2.00					
070		40 PCE SOCKET SET	B	16.00					
044	N	WATCH DIGITAL ALARM D.S.	A	49.00					
01130	N	DOOR CHIME - 24 TUNE	A	35.00					
03255		DOT MATRIX PRINTER 125CPS	B	970.00					
0410	N	SYS-80 EXPANSION UNIT	B	499.00					

for the
System-80
computer

Designed for Australian conditions and based on the stock control system used successfully in the Dick Smith Electronics organisation

ITEMS LISTED :
GROSS VALUE OF LISTED ITEMS : \$
RETAIL VALUE OF LISTED ITEMS : \$
COST VALUE OF LISTED ITEMS : \$

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Dick Smith Electronics
SYDNEY,
AUSTRALIA

STOCK CONTROL & PRICING SYSTEM

OPTIONS:

A. NEW ITEM ENTRY	B. DISPLAY/UPDATE
C. ENTER SALES DOCKETS	D. POST SALES
E. ENTER GOODS RECEIVED	F. ENTER ORDERS
G. STOCK STATUS SUMMARY	H. PRINTED REPORTS
I. BACKUP DATA DISK	@. END OF PROGRAM

SELECT OPTION --> .

A FOREWORD FROM DICK SMITH

About five years ago, it became clear to me that if my electronics importing, sales and distribution business was going to continue growing, I was going to have to keep far tighter control over stock levels, costs and pricing.

Fairly obviously, it was time to put in a computer, with a program designed to let me control and manage my business more efficiently. So I looked around for computers I could afford, preferably with a suitable stock and pricing control program. There really weren't any, but I settled for an IBM System/32 costing more than \$40,000. It came with a program which was reasonably close to what I wanted, but not quite.

Since then the business has grown dramatically. The original computer has been replaced by a larger IBM System/34, and I've spent more than \$10,000 getting the stock control and pricing program modified to give us all of the features that proved necessary to ensure efficient, profitable operation.

When we started selling our highly successful little System-80 computer about six months ago, we looked at the stock control and "inventory" programs available from our competitors, but none of these was really suited for Australian conditions. It was logical to ask whether we could produce a version of our own stock control and pricing program -- to allow other business owners and managers to get many of the advantages I had found from using a computer, but at a far lower cost.

Well, to cut a long story short, here is that program. And the fantastic thing is that although it will cost you far less than our bigger IBM system, after trying it out for myself I believe that it provides virtually every important stock control and pricing feature of the bigger one!

So when you use this exciting new software package, you're going to benefit in three important ways. First, thanks to modern electronics, the System-80 computer you need to run it on costs only a tiny fraction of the price of the computers formerly needed. Secondly, the program itself has been written in Australia and specially designed for local conditions. And thirdly, the program incorporates all of the important features which I myself have found by experience to be necessary.

I can't guarantee that this program will automatically make your business a success, of course, but I honestly believe that you'll find it an incredibly valuable tool in making your business far more successful!

Dick Smith

National Library of Australia Card No.

and ISBN 0 9595080 5 8

WARRANTY

Great care has been taken in designing, developing and manufacturing this software product. It is sold in good faith, in the belief that it reliably performs the functions claimed. A normal warranty applies to the product itself with regard to quality of workmanship and freedom from manufacturing faults. However no liability can be assumed regarding its suitability for any specific purpose, nor can Dick Smith Electronics accept liability for any loss or damages caused either directly or indirectly by this product or as a consequence of using it.

Specifically, Dick Smith Electronics cannot accept liability for any interruption of service, loss of business or goodwill or expected profits, or other consequential damages claimed to result from the use or operation of this product.

Before placing full reliance upon any new system it is wise to operate and test it thoroughly, under conditions as close as possible to those likely to be met in practice. We therefore recommend that before you rely fully on this product, you run it for a reasonable time in parallel with the system you intend it to replace, to ensure that the results will be as desired.

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WARNING: MAGNETIC DISKS ARE FRAGILE AND EASILY ERASED!

This software product is supplied in the form of information stored on magnetic "floppy" disks. Please note that these disks should be handled carefully to ensure that the information is not corrupted or destroyed.

Make sure that you keep the disks well away from strong magnets, like those in loudspeakers. Also keep them well away from power transformers, such as those in the power supplies for your computer, video monitor, expansion unit and disk drives. Don't bring them too close to your video monitor's screen, either, as the scanning field can cause damage. Even strong X-rays can corrupt the data on a disk.

Don't allow your disks to get overheated, as high temperatures can cause trouble. This means that you shouldn't leave them in sunlight, either directly or through a window. Nor should you allow them to get dusty, as dust particles can cause read and write errors. And most importantly, be careful not to let them get buckled, creased or bent -- this sort of damage will prevent them from being used at all.

When you label your disks, use a soft felt pen to avoid damaging the disk inside the sleeve. Better still, use adhesive labels, and write on them before applying them to the sleeve. Use "write protect" tabs to cover the sensing notch of disks which are normally only read from, to prevent accidental over-writing and loss of data.

In short, treat your disks very carefully. When you're not actually using them, slip them into their envelopes and put them away carefully. This will ensure that you gain the full benefit from their use.

INTRODUCTION TO SCAP AND WHAT IT CAN DO FOR YOU

The Dick Smith STOCK CONTROL AND PRICING SYSTEM (SCAP) is a powerful computer program designed to run on the very popular System-80 computer. It has been written in Australia, specifically to meet the needs of small to medium Australian business firms. Here are some of the many outstanding features which it can offer YOU, to help you run your business more efficiently, more confidently and more profitably:

- * Control and management of up to 1200 stock lines.
- * Simple "menu-driven" operation, whereby the program itself asks you what you want to do, then guides you by telling you how to do it.
- * The ability to get up-to-date information on any stock item, in seconds.
- * The use of a machine-language sorting routine, which makes sorting of items three times faster than with similar existing systems.
- * The ability to get an up-to-date summary of your overall stock position at any time, again in seconds. Concise information on the number of lines out of stock, below minimum stock level, on order, etc., month-to-date and year-to-date sales figures, plus the amounts of money you have tied up in stock-on-hand and committed to stock on order.
- * The ability to produce up-to-date printed price lists and stock status listings whenever you need them. All printed listings may be of either all items in the system, or for selected sub-groups: item categories selected by number prefix, by supplier, or by status (out of stock, below minimum stock level, on order etc). Stock status reports can be arranged to show month-to-date and year-to-date sales figures for both individual items and totals for all selected items.
- * Convenient "flagging" of new, adjusted and discontinued items on your printed price lists and stock status reports.
- * The ability to keep track of gross profit margins for each and every stock item, with sales tax either taken into account or not as desired.
- * Automatic adjustment of stock levels and status by keying in sales dockets, orders placed and stock received information.
- * The ability to print out stock item count sheets, to make stocktaking easier. Then you can key in your

physical stock count figures, and have the system produce a printed stocktake analysis showing all discrepancies.

* Easy expansion. SCAP has been designed specifically to make it easy for either you, or the software programmer of your choice to extend its capabilities, if you wish, as your business grows.

And the biggest feature of all is that you get all of these powerful features for a tiny fraction of the price you'd have had to pay for such a system before SCAP came along!

MINIMUM HARDWARE CONFIGURATION

In order to run SCAP on your System-80 computer system and get the full benefit of its features, you will need at least the following hardware items:

- 1 x System-80 computer, video monitor and expansion unit, with a total of 32K of RAM memory.
- 2 x 40-track floppy disk drives with daisy-chain cable and power supply
- 1 x 132-column printer with cable

A WORD OF ADVICE FOR NEWCOMERS TO COMPUTING

In preparing this manual, we have attempted to cover every aspect of SCAP's operation and use. We have also written it in language which we believe should be understandable even by those with little or no previous experience with computers. However it is very difficult, if not impossible, to summarise on a few printed pages all of the information needed to operate a business computer system on a day-to-day basis.

So if you should still find difficulty in understanding some aspect of how SCAP works or how it is used, despite our best efforts, we can only suggest that you seek the help of a reputable computer consultant. If you are a newcomer to computing this would be an especially wise move, as help from an experienced consultant should ensure that you get your SCAP system operating properly and in very short order. The same consultant would be able to advise on expanding your SCAP, if you find it necessary to do this (see page 14).

To assist you in contacting suitable people, an up-to-date list of computer consultants is available for inspection at all Dick Smith Electronics stores. The people on the list are not connected in any way with Dick Smith Electronics, but have indicated to us that they are experienced in microcomputer systems and are prepared to assist our customers (for a suitable fee, of course).

AN IDEA OF HOW YOU USE SCAP

SCAP is a computer program which comes stored on a magnetic "floppy disk" (the "program" disk). Each time you want to use SCAP, it is "loaded" into your System-80 computer from the disk and set running. This is done quite simply, as explained fully later in this manual.

When SCAP is run initially, it allows you to store all of the required information on each of your stock lines or "items" on a second floppy disk (the "data" disk). From then on, every time the program is used, it lets you both examine and change the stored information for any or all of the items, at will and generally within a few seconds. It allows you to add new items, delete items and automatically update stock and sales figures, etc., by keying in information from your sales dockets, order forms and goods received paperwork, and then letting it "post" this (i.e., transfer it to the files for the relevant items).

It gives you the ability to print out current stock status and price lists, at any time, either for all stock items or for a selected group. For example you can have it print out a listing for just the items with a "T" prefix on their item number (standing for say "tools"), or a listing of all items which are out of stock, or of those from a particular supplier.

You can use it to print out stock count sheets, to make stocktaking easier and more efficient. This is an original Dick Smith idea, and you'll find it of great value. You can also feed in your stock counts and produce a detailed listing showing the differences between "on-hand" and actual stock levels for each item (and the cost of these differences).

Above all, SCAP can provide you with concise, up-to-date summaries -- either on the video screen or on paper -- of your overall stock position.

BASIC CAPABILITIES

SCAP has the following basic capabilities:

1. It can handle as many as 1200 stock lines.
2. Maximum quantity on hand for any item can be as high as 999,999.
3. Individual stock item price can be as high as \$9999.99, but all prices must be in dollars and whole cents (no fractions of a cent).
4. Up to 1200 sales dockets may be entered before the SCPS will ask you to let it "post" them.

Note that most of these capabilities can be expanded by custom program additions -- see the discussion later in this manual.

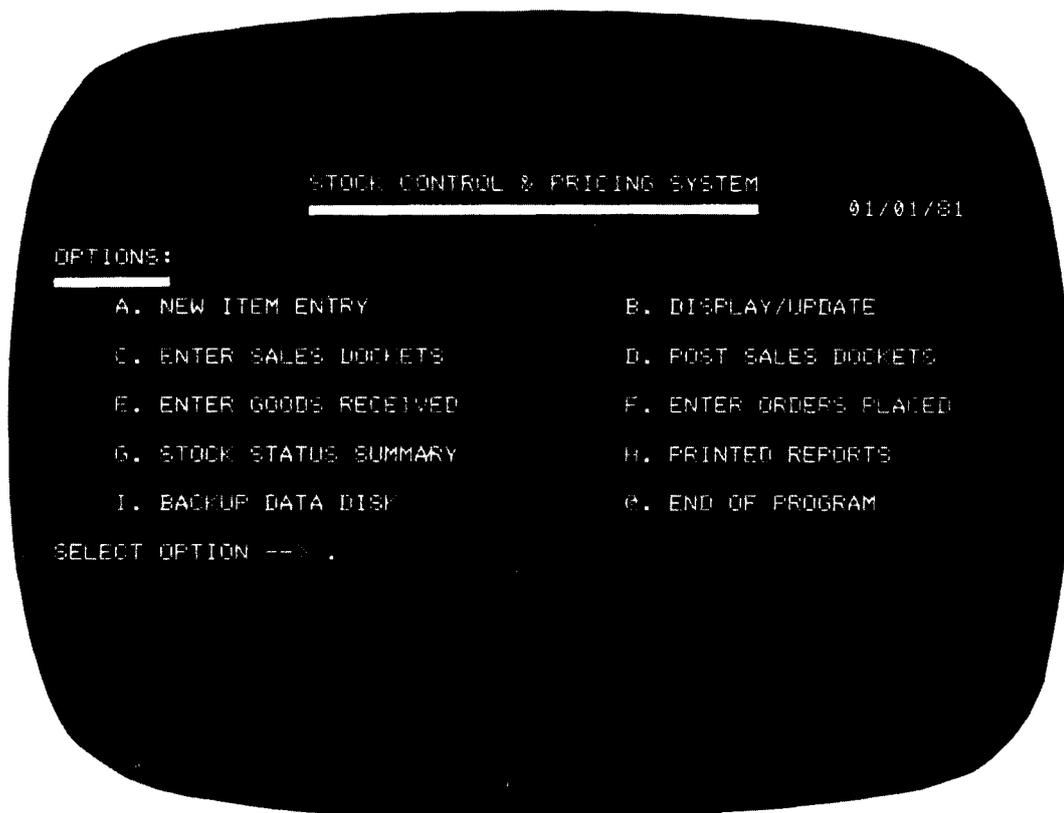
OPTIONAL SECURITY PASSWORD

SCAP gives you the option to provide it with a security password. If you use this option, SCAP will ask for the password to be given each time it is run and before it divulges any of its stored information. This feature can be used to prevent unauthorised people from using SCAP in your absence. The password can be changed at any time, as explained later in this manual.

EASY OPERATION USING "MENU" SCREENS

SCAP is particularly easy to use, even if you've never used a computer program before. This is because the program itself shows you what you have the option of doing, at any time. It does this by displaying "menu" lists, on the video screen.

When the program has initialised (set itself up properly) after start-up, it shows you its main system menu. This provides a choice of the various main functions performed by SCAP. Then, when you choose the one you want to do first, it shows you a secondary menu giving you a choice of specific tasks. Then as things proceed, it even tells you what to do -- including how to get back to the main menu, if you want to do so.



Here is SCAP's main system menu it appears on the screen after the program gets going. This menu gives you the choice of the main functions SCAP is able to perform.

PRINTED MANAGEMENT REPORTS

SCAP can provide you with 8 different main types of printed report. These options are available by choosing option "H" on the main menu. When you do this, you get the secondary Printed Reports menu:



As you can see, you have the choice of producing a price list, a stock status review listing, listings of items which are not in stock, on order, or at less than your set minimum balance level. Or you can have a listing of all the items from a particular nominated supplier. Or you can produce stocktaking count sheets, or feed in your stock counts to produce a detailed analysis.

With all but the last of these options you have a choice of listing all items concerned, or only those with a particular item number prefix. With the price list option you also have the choice of producing either a list showing all prices, the quantity on hand and your gross profit margin, or just a "short" list showing selling prices only.

Note the final menu option, showing how to return to the main menu when you have completed your printing.

ABOUT THE ITEM NUMBERS USED BY SCAP

Each stock line or "item" is stored by SCAP as a separate and distinct record or "file", which is identified by its Item Number. The Item Number must be unique for each stock line.

Item Numbers are 6 characters in length. The characters may be either alphabetic letters, or number digits, or a mixture of both. The first two characters are used by SCAP as a prefix, which you can specify at various times to group items.

For simplicity we suggest that you consider doing what we do at Dick Smith Electronics: make the first character a letter of the alphabet, leave the second a space and use the rest for a four-digit number. This gives you the potential for 260,000 different Item Numbers, from A 0000 -- Z 9999. As you can actually use only 1,200 of these (SCAP can only cope with 1,200 stock items), this range should be more than enough.

You can use the prefix letters to group your stock lines into different categories. For example the "B" items might be books, while the "T" items might be tools, and so on. As there are 26 prefixes and each prefix can have a number anywhere between 0000 and 9999, this will give you plenty of flexibility.

If for some reason you need even more flexibility, you can always use the second character. This will give you the potential for even more numbers: from AA0000 to ZZ9999.

THE INFORMATION STORED BY SCAP FOR EACH ITEM

SCAP has been designed so that it can store a considerable amount of information on each of your stock lines or "items". If you elect to feed in all of this information, the SCPS will be able to provide all of its powerful stock and pricing control features. However it is also designed to be very flexible; if you don't need all of the features for your particular business, you can simply elect not to feed in some of the information. The following explanation of the information able to be stored by SCAP is designed to help you in deciding which options you want to implement.

Note that the term "alphanumeric character" simply means a character which may consist of either a letter of the alphabet (A-Z inclusive), a number digit (0-9 inclusive) or one of the normal punctuation signs. The term "field" simply means a space provided by SCAP on the video screen, for you to key in a particular piece of information.

Note also that when you key prices into SCAP, the dollar sign should not be keyed in; SCAP automatically assumes that all prices are in dollars. There is also no need to key in zero cents, if the cost is a whole number of dollars (but if cents are keyed in, no fractions of a cent are allowed).

THE FOUR ESSENTIAL INFORMATION FIELDS

There are four pieces of information which must be keyed into SCAP about each and every stock item, if it is to operate even in its most basic fashion:

Item Number -- up to 6 alphanumeric characters, as already explained.

Description -- up to 25 characters, which may be any alphanumeric characters as desired.

Selling Price -- the unit selling price, which may be any dollars-and-whole-cents figure up to \$9999.99.

Quantity on Hand -- the number of units of that item held in stock. Any number up to 999999 (may also be a negative number).

OPTIONAL INFORMATION FIELDS

There are eight other pieces of information which can be keyed into SCAP about each stock item, if you wish to do so. As you might imagine, the more of these you key in, the more SCAP will be able to help you.

ADN Code - this is an optional 1-character code which may be used to indicate item status. Any alphanumeric character (see page 10).

Bulk Price - an optional second selling price. You can use it to show the "Trade" or "Wholesale" selling price, if these are relevant to your business. Any dollars-and-whole-cents figure up to \$9999.99.

Sales Tax Code - a 1-character code which may be used to indicate the level of sales tax applying to the item concerned. The letters A-E inclusive are currently recognised.

Cost Price - unit cost price. Any dollars-and-whole-cents figure up to \$9999.99 (i.e., same limit as selling price).

Location - A two-character code which may be used to indicate where the item is located. Any alphanumeric characters, such as AA,3H,24,F8 etc.

Minimum Balance - an optional field which may be used to show the minimum desirable stocking level for the item concerned. Any number up to 9999.

Quantity on Order - a field which may be used to show the number of units on order, for the item concerned. Any number up to 99999.

Supplier - an optional 4-character field which may be used to indicate your supplier of the item concerned. May be any combination of four alphanumeric characters.

Further information on each of these optional information fields is given shortly.

TWO 'AUTOMATIC' INFORMATION FIELDS

In addition to the information fields described above, SCAP is also designed to maintain two additional fields for each stock item:

Sales Month-to-Date - a cumulative figure for the sales of that item in the current month.

Sales Year-to-Date - a similar cumulative figure for the sales in the current year.

If you wish to have SCAP maintain these fields, you will have to key in and "post" all of your sales information from your normal sales dockets.

You will also have to instruct SCAP to reset these fields to zero at the appropriate times -- all of the monthly fields at the start of each month, and all of the yearly fields at the start of each year (calendar or financial, as you wish). This isn't nearly as tedious as it sounds, because SCAP itself actually does all the work; you just have to tell it when each job has to be done.

MANAGEMENT INFORMATION ON THE SCREEN

Whenever you wish, and within seconds, SCAP can provide you with a concise and up-to-the-minute management summary of your overall stock and sales situation -- assuming you are using all of its optional features. This is an on-screen report, and is called up at any time from the main System Menu by a single keystroke (option G). Here are the items of information available in the summary:

No. of Stock Items currently on the data disk
No. of entered but unposted sales dockets
Total cost value of all stock items
Total retail value of all stock items
Total cost value of all items on order
Total retail value of sales month-to-date
Total retail value of sales year-to-date

HOW SCAP BECOMES YOUR OWN CUSTOMISED SYSTEM

Before you start feeding in your stock and pricing information, SCAP gives you the opportunity to specify your firm or company's business name. This is then stored away along with the other information, and becomes the standard company heading which appears on all your price lists and printed reports. So SCAP literally becomes your firm's own customised stock control and pricing system!

What happens if you change the name of your company? No problem at all -- the company name can be changed easily and at any time. In fact if you have a number of companies, and would like to keep their stock and pricing information separate, you can create a number of versions of SCAP -- each customised with the name of the appropriate company.

ABOUT THE SALES TAX OPTION

Unlike many software packages imported from overseas, SCAP is designed specifically for Australian conditions. One of the big advantages this brings is that SCAP is able to take sales tax into due account when calculating Gross Profit Margin (GPM) percentage, for each item. This means that it can provide you with realistic and accurate GPM figures, if your business is one of the many where sales tax is included in your selling prices but not in your cost prices.

In providing this valuable feature, SCAP can automatically cope with as many as five different sales tax levels -- so that stock items with different tax levels are no problem. Each item can be given one of five widely-used sales tax code or "flag" characters, which are used by SCAP to calculate that item's tax and GPM percentage. Not only this, but the "flag" character for each item is printed out in your price lists, to let you see at a glance any item's correct sales tax level.

What about items which may be tax free, or exempt? This has been taken care of already, as two of the "flag" characters are already understood by SCAP to represent these situations.

If the Government should change sales tax levels, again this would present no problem. The tax levels which correspond to each of the five "flag" characters can be changed at any time, by a simple procedure described later in this manual.

What if your business doesn't involve sales tax? Some businesses don't need to worry about sales tax, either because both their cost and selling prices include tax, or because both prices exclude it. If your business falls into either of these categories, you can easily disable the SCPS's sales tax option.

Does SCAP automatically work out your total monthly sales tax payments? No, not as it stands; but this feature could be added easily by a software consultant if you should need it.

MORE ABOUT THE 'OPTIONAL' INFORMATION FIELDS

One of the big design features of SCAP is that it is very flexible. It doesn't try to tell you how to run your business, but lets you run things the way you want. So although SCAP is capable of helping you in lots of ways, if you wish, it doesn't force this help upon you.

Basically the "optional" information fields are those which SCAP uses to provide its "extra features". Naturally enough, if you want SCAP to provide facilities over and above its basic functions, you have to provide it with additional information. But it is entirely up to you whether you do so; if you don't want a certain facility, you can simply choose not to feed in the appropriate information -- at least for the present.

For example you may well feel that some of the facilities are not appropriate to your business as yet. If this is so, you can save time and effort for you and your staff by simply ignoring the relevant information fields.

You can always change over at a later date, simply by deciding to feed in the necessary information from then on. The main thing is to give the various options serious thought, then use the system consistently after you have made your decision.

Note that SCAP will always ask for all fourteen fields of information on each stock item. Where you are not using certain fields, you simply hit the <NEW LINE> key to space past it.

The following descriptions of the optional information fields and their use should help you in deciding if and when you want to use them in your Stock Control and Pricing System.

THE ADN CODE AND ITS USE

The ADN code is a feature that we at Dick Smith Electronics have found very useful. It is a simple one-character alphabetic code that serves to draw attention to particular stock items because of their status. You can use any of the letters of the alphabet, from A to Z, or leave the field blank. Any ADN code given to a stock item is shown on screen displays and printed reports, to show at a glance that item's status.

Each ADN code letter can have any meaning you wish to give it, but you may care to follow the system we use:

- A -- shows an "Altered" item, where something has recently been changed (such as price)
- D -- shows a "Discontinued" item, on close-out status and not to be re-ordered
- N -- shows a "New" item, recently added to stock

A WORD ABOUT KEYING IN PRICES

When keying price figures into SCAP, remember that all prices are unit prices -- i.e., price per single item. All prices may have a value up to \$9999.99, but note that if cents are involved, they must be a whole number; no fractional cents are allowed. Note too that you should not key in a comma between the "thousands of dollars" and "hundreds of dollars" digits, if your prices go into the thousands.

By the way, don't key in the dollar sign (\$) ahead of price figures. SCAP automatically assumes that all prices are in dollars and cents. But if a price is in whole dollars, there is no need to key in zero cents digits. As far as SCAP is concerned, these figures are all valid, and taken as identical:

37 37. 37.0 37.00

THE 'BULK PRICE' OPTION

The Bulk Price field gives you the opportunity to maintain a secondary retail price, if your business requires this. Typical situations where you might want to use this option are:

- (a) Where you may sell at two different prices.
- (b) Where you sell at a discount price for sales of more than a certain quantity.

Note that the Bulk Price, if used, is not taken into account by SCAP when it calculates Gross Profit Margin. Similarly the sales tax option, if you are using it, is not calculated for Bulk Price -- only Retail Price. But Bulk Price is taken into account when calculating the total income from goods sold, if you key in the necessary information from your sales dockets.

THE 'COST PRICE' OPTION

The optional Cost Price field is to allow you to enter your cost for each stock item. The cost price figure is used to calculate the Gross Profit Margin percentage for each item, to calculate the total cost value of your stock, and to calculate the total cost of goods on order.

If the cost price for an item (plus sales tax, if you are using the sales tax option) is less than the retail price, SCAP calculates the GPM percentage to within one decimal place. This should be the normal situation, where you have set the retail price for an item to return you a suitable profit(!)

On the other hand if the cost price (plus sales tax, if used) is greater than the retail price, SCAP will draw your attention to this unprofitable situation by showing a short line of asterisks ("*****") in place of a normal GPM figure.

THE OPTIONAL 'LOCATION' FIELD

This field is purely provided for your own convenience in keeping track of where stock items are located physically. SCAP does not use the information in the field for any of its calculations, but merely stores it away for use when you call for screen information or printed reports. Whether you use this option or not will probably depend upon how many stock items you have, and the number of places you use for storage.

Basically the location field lets you use a code to identify the bin, shelf or rack where the items concerned are located. If your company is spread over a number of locations or deals with very large items, it could be used to identify which warehouse or branch facility the items are stored in.

The location code can consist of any combination of two alphanumeric characters. You can use a two-digit number, giving 100 different location numbers (00-99), or two alphabetic letters, giving 676 combinations (AA-ZZ). Or you can use any combination of the two -- say the first position a letter, and the second a digit, which would give you 260 different possibilities (A0-Z9). The choice is entirely up to you.

THE 'MINIMUM BALANCE' FIELD

The Minimum Balance field is designed to let you specify for each stock item the minimum on-hand quantity, at which further items should be re-ordered. If you use this field (by keying in a figure when each item is added to SCAP's files), SCAP will compare the on-hand stock levels with the minimum balance figures each time a stock status report is printed or an item is called up on the video screen.

On printed stock status listings, any stock item for which the quantity on hand has fallen below the specified Minimum Balance is indicated or "flagged" by an "M" shown on the right-hand side of the listing:

ACME DISTRIBUTORS PTY LTD											
STOCK STATUS REPORT 26/11/80											
Item	A	Supl		Min	On	On	Loc	Unit	Sold	Sold	NMO
Number	D		Description	Bal	Hand	Order		Cost	Month	YTD	
A 0108	N	4646	HI FI STAND 2 SHELF	12	11	0	S4	37.00	19	19	-M-
A 4050	A	8090	MINI CASSETTE RECORDER	15	0	30	S2	33.75	10	10	NMO
B 1577		6890	SYSTEM 80 TECHN. MANUAL	100	87	500	S1	7.35	0	0	-MO
B 2325		8090	AUSTRALIAN CB RAD. H'BOOK	50	197	0	S3	2.95	0	3	---
B 4525		6890	BOOK - GOLD FINDER NOLAN	10	15	25	S1	1.47	15	15	--0
C 3832	D	4560	CASSETTE CLEANER DEMAG	0	12	0	S2	4.20	0	0	---

The start of a printed Stock Status Report. Note the NMO "flag" columns on the right-hand side: "N" indicates Not-in-Stock, "M" indicates Minimum Balance or below, and "O" an item on order.

THE 'MINIMUM BALANCE' FIELD, CONTINUED

In addition, SCAP can provide you with a specific printed listing of items which have less than the minimum balance. It can do this for either all items, or only those items with a particular item number prefix. A listing of Items at Less than Minimum Balance can be produced at any time, making it very easy for you to keep up-to-date with your re-ordering.

Once you have more than a few hundred stock lines, this can be most helpful. Note that if you find that the Minimum Balance figure you have given to a particular item is either too high or too low, you can easily change it at any time.

THE 'QUANTITY ON ORDER' FIELD

The purpose of this optional field is to let you keep track of the quantity of an item which is currently on order from the supplier. By its very nature it also provides an indication of whether the item has been ordered or not.

SCAP uses the information in this field to calculate the total Value of Items Ordered figure, shown in both on-screen Stock Status Summary and in the various printed Stock Status Reports.

The figure in the Quantity on Order field may have any value up to 99999. It can be automatically updated by SCAP when orders are placed, if you wish. All that is necessary for this is for you to key in the required basic information (Item number and order quantity) when you place your orders, using the "Enter Orders Placed" option on the main system menu.

The Quantity on Order can also be automatically updated when ordered goods are delivered. Again this requires you to key in the basic information (Item number, quantity received), using the "Enter Goods Received" option on the main system menu. When this is done SCAP will find the file for each item and automatically reduce the Quantity on Order figure, at the same time increasing the Quantity on Hand by the same amount.

THE OPTIONAL 'SUPPLIER' FIELD

This optional field is basically to allow you to use a four-character alphanumeric code to indicate the supplier of each stock line. If you are consistent in the code you use to represent each supplier, SCAP can use this field to give you a printed "Listing of Items by Supplier" (one of the Printed Report options). Available at any time, this can be very handy: you can list all items from a particular supplier.

The code you use in the Supplier field is largely a matter of personal choice. The system we use at Dick Smith Electronics is to represent each supplier by a 4-digit code number. This

gives 10,000 possible supplier codes: from 0000 to 9999. You may care to use the same system, which works quite well if you have a relatively large number of different suppliers.

On the other hand if your business has only a relatively small number of suppliers, you may wish to use a simple abbreviation of the supplier's company name. Many company names are either short enough already, or can be shortened easily to a distinct word of four letters or less which will let you readily identify them: for example "ACME", "NATL" or "UCAR". This approach has the advantage that you can recognise suppliers at a glance, from a screen display or printed listing -- you don't have to look up a code number.

FURTHER EXPANSION OF YOUR SCAP SYSTEM

While SCAP has been designed to provide all of the stock control and pricing functions normally required by an Australian small business firm, it would not be possible for any program of this type to satisfy the requirements of every small business. With this in mind, SCAP has also been especially designed to be easy to expand and modify. In fact a full BASIC listing is provided at the end of this manual, to facilitate modification and expansion.

However unless you have considerable experience in computer programming using the BASIC language, we strongly recommend that you obtain the services of a reputable computer software consultant, to carry out any such expansion.

Here are some of the possible functions which SCAP could be expanded to provide:

- * Fixed or variable discount, at time of sale.
- * Provision for varying Sales Tax at time of sale.
- * Automatic setting/resetting of indicators at end of month (e.g., ADN code).
- * Provision for new taxation legislation (e.g., VAT).
- * Printing of sales tax summary at end of month.
- * Integration of SCAP with other accounting programs such as accounts payable, general ledger.
- * Use of double-density disk recording to allow SCAP to handle many more stock lines.

Note that SCAP currently requires 32K of RAM memory, so that any expansion may involve increasing your System-80's RAM to 48K. Also that SCAP runs under the "MicroDOS" operating system, so that any accounting programs to be integrated with it would also need to be capable of running under MicroDOS.

PART 2 -- HOW TO USE YOUR SCAP

Having looked at the basic features and functions of SCAP, we can now get right down to specifics: exactly how you use it. Each of the following sections takes you step-by-step through all aspects of its operation, so you can regard them as your SCAP "operator manual".

STARTING OFF: MAKING A BACKUP COPY OF YOUR PROGRAM DISK

Your program disk is valuable, as it contains all of the SCAP program. To prevent it from being irreparably lost should your computer or disk drives develop a hardware (electrical or mechanical) fault, it is most important to make a safety or "backup" copy of the disk before you begin normal operation. It is the backup copy which you then use; the original disk should be stored away in a safe place, only to be brought out if your backup copy becomes damaged (in which case you can make a new backup copy, and again store the original away).

To begin with, turn on the power to your floppy disk drives, printer, video display and System-80 expansion unit -- in that exact order. However don't turn on the power to your System-80 computer itself, just yet.

Now identify which of the two floppy disks supplied in your SCAP is the Program disk; it is the one with the write-protect tab fitted. DO NOT REMOVE THIS TAB! Place this disk in Drive 0, pushing it in until it clicks and then closing the drive latch. Place the second (Data) disk in Drive 1, in the same manner.

At this stage you can turn on the System-80 computer. After doing some disk reading and setting-up, which takes about 10 seconds, SCAP will announce itself on the screen and ask you to give the date:



Type in the date as requested. Use two digits for the day, two for the month and two for the year, with slashes (/) between. If the day or month would normally be a single digit, type in a leading zero to make it two digits: i.e., 02/05/81 for the 2nd of May, 1981. Finish off by hitting the <NEW LINE> key.

SCAP will place the date up at the top right-hand corner of the screen, and then ask you to wait for a few seconds while it initialises. Then it will present you with its main system menu:

```
                STOCK CONTROL & PRICING SYSTEM                01/01/81
                -----
OPTIONS:
A. NEW ITEM ENTRY          B. DISPLAY/UPDATE
C. ENTER SALES DOCKETS    D. POST SALES DOCKETS
E. ENTER GOODS RECEIVED   F. ENTER ORDERS PLACED
G. STOCK STATUS SUMMARY   H. PRINTED REPORTS
I. BACKUP DATA DISK      @. END OF PROGRAM
SELECT OPTION --> .
```

Since you want to make a backup disk, press the <I> key and then <NEW LINE>. SCAP will ask you if you wish to proceed (answer by pressing the <Y> key, followed by <NEW LINE>); then the Disk Backup Utility will be loaded from the Program disk. This will ask you to insert your original disk in Drive 0, and the backup-to-be or "duplicate" disk in Drive 1.

You will now need a new, blank mini-floppy disk (soft sector) to become your Backup Program disk. Fresh soft-sector disks are available from all Dick Smith Electronics stores (X-3510). Remove the original SCAP Data disk from Drive 1, and place the new disk in this drive. Leave the Program disk in Drive 0.

When the blank disk is in Drive 1, press the <NEW LINE> key. The Disk Backup Utility will then begin making your Backup Program disk, an operation which will take about 2 minutes.

When the operation has finished, you can remove your original Program disk from Drive 0, and store it away for safekeeping. Then remove the new Backup Program disk from Drive 1, and fit it with a Write Protect tab to prevent accidents. Also label it (use a soft felt pen) for easy identification, as you will be using it every day. We suggest the label "SCAP PROGRAM:BACKUP".

GETTING USED TO SCAP, USING THE SAMPLE DATA DISK

Now that you have made your Program Backup disk and put the original safely away, you can start becoming familiar with SCAP itself.

Put the newly created Program Backup disk in Drive 0, and place the original SCAP Data disk back into Drive 1. Now press the System-80's RESET button, and SCAP will be loaded into the computer again from your Backup disk. It will again ask you for the date, then initialise and display its main menu.

At this stage, the best idea is for you simply to try out the various functions of SCAP for yourself, using the sample data files provided on the Data disk. So for a start, press the <G> key, followed by <NEW LINE>. All going well, you will be greeted by the stock status summary:

```

                                STOCK CONTROL & PRICING SYSTEM
                                _____
                                1/ 1/81

                                STOCK STATUS SUMMARY
                                _____

NUMBER OF ITEMS CURRENTLY ON DISKETTE:  17
NUMBER OF UNPOSTED DOCKETS:             0
TOTAL RETAIL VALUE      :      $11,949.25
TOTAL BULK VALUE       :      $10,712.30
TOTAL COST VALUE       :      $8,816.35
TOTAL VALUE OF ITEMS ORDERED:      $2,938.75
TOTAL VALUE OF SALES M-TD:      $200.40
TOTAL VALUE OF SALES YR-TD:      $200.40

                                HIT @ TO RETURN TO MAIN MENU --> .
```

As you can see, this gives you a concise summary of the overall stock status (in this case, for the sample items on the Data disk as it comes to you). And as the line at the bottom of the screen shows you can return to the main menu, after you have looked at the summary, simply by pressing the <@> key. So when you're ready, do this.

Probably the best thing to do next is to print out a full Stock Status Report, and perhaps a Price List as well, to give you an accurate picture of the sample items already present on the Data disk. This will make it easier to try out the other main functions of SCAP, like displaying and changing item files, adding new items and so on. At the same time it will also show you how easy it is to get SCAP to produce its various printed reports.

Back with the main system menu, press the <H> key. This will cause the secondary Printed Reports menu to be displayed, giving you a choice from the various options available:



Let's go for a full Stock Status listing first, so press the <2> key followed by <NEWLINE>. You will then be asked if you want just a listing of items with a certain prefix, or all items. In this case we want a full listing, so just hit the <NEW LINE> key.

You will then be told to turn on the printer (in case it isn't on already, or isn't in the "select" or "on line" mode), and to align the paper at the top of the page ready for printing. When you have done this, simply press the space bar and printing will begin.

That wasn't hard, was it? Now try printing out a Price List, following the same procedure except that you press the <1> key when SCAP returns you to the Printed Reports menu.

Note that this time the program asks you another question as well: whether or not you want the cost and profit margin information suppressed. Which did you choose? It wouldn't do any harm to run through this again, taking the other option, just to see the two different versions of Price Lists which SCAP can produce. You could even try having it print out a Price List for only the items with a certain prefix, as well.

In fact while you're getting familiar with the printed reports, try a few of the other menu options as well. Most should be fairly self-evident by now, except perhaps for number 8.

Having produced some printed reports of the sample items already on the Data disk, you should now be in a position to try out most of the remaining SCAP Main System menu options. So press the <@> key, to return you from the Printed Reports menu to the Main menu.

Now press the key, to select the Display/Update option. Then key in one of the item numbers on your sample listings (finish up by pressing the <NEW LINE> key), and see how SCAP will display that item's information. Note too how at the top of the screen, it gives you a further set of options regarding what you can do next:



As you can see, you have the choice of changing the data on any one of the selected lines, deleting the item altogether, adjusting the indicated on-hand quantity, returning to the main system menu, searching for another item, going to the next item on file (with the next higher item number) or going to the previous item on file (with the next lower item number).

Try a few of these options out for yourself, to get the hang of it. You'll find it easier than you expected, as SCAP tells you what to do at each step. End up by going back to the main menu again, by pressing the <@> key.

How about trying to enter a new item? Not a real one -- just a dummy item to see how it's done. Press the <A> key to get you into the New Item Entry mode, then key in a suitable fake item number and a set of dummy data. When you end up by pressing the <@> key, note how SCAP does a "sorting" operation before it

returns you to the main menu. This is to slot your new added item into the Data disk, in its correct alphanumeric position. This sorting operation takes place after every New Item Entry session, whether you add one or a number of new items.

By now, you should be starting to get much more of a feel for SCAP, what it can do and the way it works. But it would be a good idea to try out just a few more of its functions using the sample data, before you start using it in earnest.

Try entering some fake sales docket information, using the <C> option on the main menu; pick a couple of the items on the sample listings, and pretend you've sold a small quantity of each. Then return to the main menu again, and press the <D> key to select the Post Sales Dockets option. This will cause SCAP to "post" the sales docket information you have just entered, and print out a Sales Docket Posting Report. You should get a listing something like this:

**ACME DISTRIBUTORS PTY LTD
SALES DOCKET POSTING REPORT 26/11/80**

Item Number	A	Description	T	Selling Price	Qty Sold	New Bal	Sold MTD	Sold YTD
A 4050	A	MINI CASSETTE RECORDER	A	45.00 R	10	0	10	10
A 0108	N	HI FI STAND 2 SHELF	B	49.50 R	5	11	19	19
D 1409	N	MARINE RADIO MIDLAND 12C	A	118.00 B	8	3	9	9
X 4010	N	SYS-80 EXPANSION UNIT	B	450.00 B	35	165	35	35
T 4670		40 PCE SOCKET SET	B	16.50 R	4	12	18	18
P 5610		POWER PAK - 4 SWITCH 240V	B	14.00 B	14	39	16	16

NUMBER OF ITEMS POSTED : 6
 REVENUE FROM RETAIL SALES : \$763.50
 REVENUE FROM BULK SALES : \$16,890.00
 TOTAL REVENUE : \$17,653.50

TOTAL COST OF GOODS SOLD: \$15,528.20

END OF LISTING

Not bad, is it? Now you could try feeding in some fake "Goods Received" information, using the main menu <E> option, and/or some fake order information using the <F> option. Go ahead!

Well, you should now feel ready and eager to start using SCAP for the job you bought it for, handling real-life data. But before we move to that, there's two very important points which we would like you to note carefully. They concern how you end up each session that you use SCAP, and the importance of maintaining "backup" copies of your working Data disks.

So please bear with us a little longer, for your own good!

ENDING UP A SESSION WITH SCAP

One of the strong practical features of SCAP is that it always lets you "back out" from any operation (e.g., entering a new item), to the start of that operation (i.e., the start of the New Item Entry option). This is done simply by hitting the <@> key, which we can call the "back out" key. If you are already at the start of an operation, hitting the back out key will take you back to the Main System menu.

As it happens, the same <@> key is also used to end up each run or "session" of the SCAP program itself. This is shown by the last option on the Main System Menu.

Now it is most important that you do end up each session with SCAP by hitting the <@> key and then waiting until "READY" appears on the video screen, before removing your Program and Data disks and turning off the computer. This is because SCAP must save on the Data disk any of your data which may still be in the computer's memory, before you turn off. If you don't give it the chance to do so, the data will be lost.

What this means is that the data on the Data disk in use cannot be guaranteed to be accurate or up to date, if you should do any of the following things:

- * remove the disks and turn off the computer without using the <@> key and waiting for "READY"
- * hit the <BREAK> key (this should never be used)
- * hit the RESET button before backing out of SCAP
- * encounter a disk input/output error (generally caused by a hardware fault)

If any of these things should happen by accident, you will need to go back to your most recent backup copy of the Data disk, and key in again all of the information needed to bring it up to date. A tedious job, but the only way to be sure that your data will be 100% accurate. Which leads to our second point...

THE NEED FOR KEEPING BACKUP DATA DISKS

As you can see from the above, it is not impossible for the data on your working Data disk to become corrupted, due to a human error or hardware fault. Because of this, it is virtually essential that you maintain a Data disk backup system, so that an accident won't result in a catastrophic loss of all your valuable stock and pricing data.

Ensuring that properly updated Backup Data disks are maintained is a tedious business, but it is like insurance -- if you ever need it, you'll be mighty glad you made the investment. Full instructions on making backup disks are given on page 32-33.

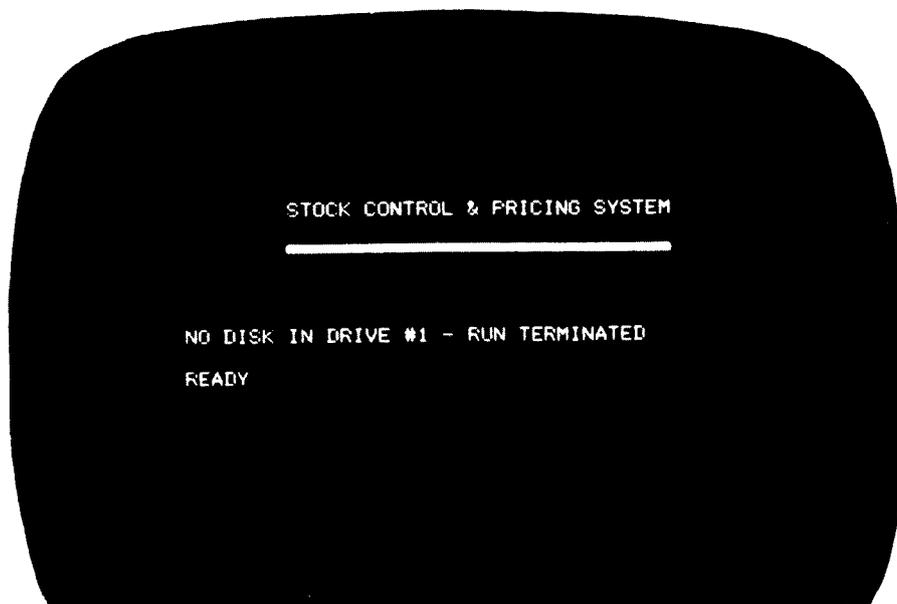
STARTING IN EARNEST: YOUR FIRST 'LIVE' DATA DISK

Well now, you're finally ready to start putting SCAP to serious use, managing your own company's "live" stock and pricing information. The first thing you need to do is to prepare or "format" your first Data disk, so that it is ready to receive this information.

This first disk may be a new blank disk (soft sector), fresh from the packet like the one you've already used to make your Backup copy of the Program disk. Or it could be the sample Data disk supplied with SCAP, if you feel you have no further need of the sample data. But note that if you use the sample Data disk, all the sample data will be irrevocably lost as the "formatting" operation destroys any data previously on a disk.

Right. Turn on the disk drives, the printer, the video monitor and the expansion unit (but not the computer), and put your Program Backup disk in Drive 0. But leave Drive 1 empty.

Now turn on the computer. After about 20 seconds or so, the screen should display:



Now, when the lights have gone out on the disk drives, place your Data-disk-to-be in Drive 1. Then carefully type in:

```
CMD"F",1
```

and hit the <NEW LINE> key. The light on Drive 1 will glow, and it will run for about a minute and a half. There will be no messages on the screen -- so just wait!

When the light on Drive 1 has gone out, take out your new Data disk and label it carefully (use a soft felt pen -- NOT a ball pen). Then place it back in Drive 1, and simply press the computer's RESET button. In about 10 seconds SCAP will greet you, and your first serious Data disk is ready for business!

CUSTOMISING/INITIALISING YOUR SCAP

Upon starting up with your newly formatted Data disk, SCAP will enter its "initialisation" mode, to let you feed in your company name and set it up to operate the way you want. This is what the screen will look like:



After typing in your company name (in 25 letters or less), hit the <NEW LINE> key. SCAP will then ask you whether you want to use the Sales Tax option. Press <U> if you want to use it, or the space bar if you don't; then press <NEW LINE> again.

Finally it will ask you to enter in your Security Password. If you want to use a password, key it in (8 letters or less); otherwise hit the space bar 8 times. Then press <NEW LINE>.

Note that if you elect to use a password, be careful in choosing it and keying it in. Remember that you'll have to duplicate it exactly each time you run SCAP.

What if you should forget your own password? We've thought of that, too, so all would not be lost. There's a "secret" way to get SCAP to display the above initialisation data, including your password. When you start up SCAP at any time, and it asks you to give the date, simply type in three question marks: ??? . Then press the <NEW LINE> key. All of the initialisation data will appear on the screen.

This feature is also provided to allow you to change the initialisation data at any time, if you wish, following the same procedure as given above. But if you don't want to change anything, simply hit <NEW LINE> again to return to normal operation. SCAP will ask you the date again, and also for the password if you are using one.

A FEW WORDS BEFORE YOU BEGIN NORMAL SCAP OPERATION

At this stage, you are just about ready to start entering your "live" stock and pricing information, to begin normal day-to-day operation of SCAP. But before you go ahead, there are a few more things we'd like to comment on.

The first is something you may have already noticed, that SCAP helps you as much as possible when you are feeding in your information. It does this by indicating on the screen the maximum length of each new field to be entered, by a row of small rectangular dots. There is also a flashing "cursor", to show you where the next letter or digit will go.

If you do not need the full allowable length for any field, simply hit the <NEW LINE> key after you have fed in the data. SCAP will be quite happy with the shorter entry.

While you are entering data into a field, the <BACK SPACE> key may be used to correct any errors. If you make such a mess of the entry that you'd like to go back and start that field again, that's possible too: simply press <BACK SPACE> while holding the <SHIFT> key down. Remember that once you have hit the <NEW LINE> key to finish an entry, it is stored away. The only way you can then correct errors is to use the Display/Update mode to recall the complete file for that item.

Here's a tip regarding your initial allocation of item numbers to your stock lines, based on our own experience at Dick Smith Electronics with the system from which SCAP has been developed. In allocating item numbers, we recommend that you space out the numbers given to items with the same prefix, by a reasonable amount -- say 10, or even 100. When you add further product lines later, this will allow you to group them logically with any existing similar products.

For example, let's say you own a hardware store, and all your "tools" item numbers are to be grouped under the "T" prefix. When you allocate your initial item numbers to the tools, don't simply give them numbers T 0001, T 0002, T 0003 and so on. This will make it very hard to fit new tools in later, near similar tools. Space out the numbers instead, using say T 0100 first, then T 0200, T 0300 and so on. Even separating them by 100 like this will still give you 100 different T-prefix items, which should be plenty to begin with. At the same time it leaves plenty of room to fit in later additions.

A final point. Whenever you are entering item numbers into SCAP, be careful not to absent-mindedly hold the <SHIFT> key down when you are keying in the alphabetic prefix letter or the space. This will not show on the screen, but actually feeds in a different code. The result will be that SCAP will not be able to "find" the item (either then, or later, depending upon whether you are looking for an existing item or adding a new one) because of its "strange" item number. Remember that computer programs are very pedantic!

NORMAL DAY-TO-DAY OPERATION

From this point on, your use of SCAP will consist of the normal day-to-day operations of adding new items, displaying, changing and updating the data on existing items, entering the information from sales dockets, on goods ordered and received, and producing printed reports and price lists. Each of these functions may be performed by selecting the appropriate option from the Main System Menu.

Don't forget to turn on the hardware in the correct order: disk drives and printer first, then the video monitor and the expansion unit. Then place the disks in the drives (Program Backup disk in Drive 0, Data disk in Drive 1), and turn on the computer itself. After about 10 seconds SCAP will announce itself on the screen and ask for the date and security password (if you are using one). When you supply this information, the Main System menu appears, and you can select your option.

To change from one type of function to another, you must return to the main menu using the <@> key, then select a new option.

When you want to finish up a session with SCAP, remember to "back out" from the main system menu by again using the <@> key. This makes sure that all current data is saved on the Data disk, before you turn off the computer.

ENTERING NEW ITEMS

When you want to add new items to SCAP's files, choose the New Item Entry option <A> in the main menu. The screen cursor will then guide you in entering the item number and data for the other eleven input fields. Each field is either entered, or passed over, by pressing the <NEW LINE> key. Note that some fields (e.g., selling price) will only accept numerical data. Also that the four essential data fields cannot be bypassed (item number, description, selling price and quantity on hand). SCAP will not progress past these fields until you give it acceptable data, although Quantity On Hand can be zero (0). When you specify a new item number, SCAP checks to make sure that an item with that number is not present already on the Data disk. If it finds that the number is already in use, it will reject that number and request a new one.

Note, however, that it does not check any item numbers which have been entered earlier in the same batch of new entries. You should therefore enter your new items from a list, ticking them off as they are entered. SCAP displays the item number of the previous entry in the batch, in the top right-hand corner of the screen, to help you keep track and avoid keying in an item twice.

If you are using SCAP's Sales Tax option, you will need to key in the appropriate code letter when you reach the Tax Code

field (G). Five code letters are recognised by SCAP, and as the program is supplied to you the codes are understood by SCAP to represent the following current levels for Sales Tax in Australia:

- A -- represents 27.5%
- B -- represents 15%
- C -- represents 2.5%
- D -- represents "Nil tax"
- E -- represents "Tax exempt"

Note that the last two are both treated as "zero tax" by SCAP; the two different codes are provided purely to let you distinguish between the two in your price lists, etc.

If the tax levels for your business are different from those above, or if the Government should change sales tax levels, it is quite easy to change the levels represented by the tax code letters. The procedure is explained in Appendix 1, at the rear of this manual.

When you finish entering a batch of new items, hit the <@> key. SCAP will then perform its sorting, adding the new items to the Data disk in their correct positions. This could take up to 7 or 8 minutes, if you have nearly 1200 items on file.

DISPLAYING/UPDATING STOCK ITEMS

By choosing the Display/Update option on the main system menu, you are able to see on the screen all of the data stored for any particular stock item, and to make any desired changes to it. After you specify the item number you want, the data for that item is displayed (assuming the item is on the Data disk, of course -- otherwise you will get an error message: ** ITEM NOT ON FILE **). You then have various further options, as shown on the top of the screen. Each of these options is selected by entering its leading character.

If you ask to change a line, SCAP will ask:

SELECT LINE TO BE CHANGED (HIT @ TO RESTART) -->

Your response to this should be to indicate the line you want to modify, by typing its identification letter (A-N). The cursor will then move to that line and wait for you to type in the substitute data. After ending with <NEW LINE> the new data will be recorded on the Data disk.

If you ask to delete the item, SCAP will ask:

ARE YOU SURE YOU WANT TO DELETE THIS ITEM (Y/N)?

This is to guard against accidents. If you have made a mistake, hit the <N> key and the item will be retained. If you hit the <Y> key instead, the item will be deleted and will no longer appear on any screen displays or printed reports. Its place on the Data disk will be taken subsequently by a new item, so that SCAP will always have a capacity of 1200 current items regardless of how many may have been deleted.

If you ask to adjust the quantity, SCAP will ask:

ENTER + OR - AND CHANGE IN QUANTITY --->

The quantity that you enter will be used to adjust the Quantity on Hand figure, up or down. The + sign is optional for an upward adjustment. Note that this operation automatically affects SCAP's overall figures for Total Cost Value and Total Retail Value of stock, etc. It is a handy way of effectively removing damaged stock from the system.

If you ask to search for a new item, SCAP will clear the screen, and ask for a new item number. When it is found, its data will be displayed with the normal Display/Update options. Use the search option if you want to examine items in a random manner, rather than in item number sequence.

The next item and previous item options are like the search option, but are used when you want to progress through the items in alphanumeric sequence (in either direction). They select either the item with the next higher item number, or that with the next lower number, respectively.

ENTERING SALES DOCKETS

To enter information into SCAP on item sales, from your sales dockets, select the <C> option from the main system menu. This will bring up the following screen:

```
ENTER SALES DOCKETS
(HIT 0 TO REWD ENTRY)
ITEM NUMBER  D 1409
QUANTITY SOLD : 5
AT RETAIL PRICE OR BULK PRICE? (R/B) _
```

As you can see, each entry requires you to key in only three items of information: item number, quantity sold and whether they were sold at your Retail or Bulk price. This allows fast and convenient operation. The data is simply stored on the Data disk (separate from the main item files) ready for "posting".

SCAP will allow you to enter up to 1200 of these item sales this way, in either one session or a number of sessions, before it will ask you to let it "post" them. (Note that this figure of 1200 has nothing to do with the fact that SCAP can cope with up to 1200 different stock items.)

The number of entered-but-unposted sales dockets is indicated on the Stock Status Summary (Main System menu <G>). This is the figure that can grow to 1200, before SCAP will tell you to "post" the dockets and clear its docket entry file.

Of course you don't have to wait until 1200 sales docket items have been entered before you can "post" them. In fact it is a good idea to do a posting after every session entering sales docket information, as this will keep your stock item files and sales figures up to date. If it is not practical to post after every session, you should at least try to do so at the end of each week. After all, SCAP does all the real work -- all you really need to do is watch, as explained below.

POSTING SALES DOCKETS

To "post" the sales docket information you have entered in the previous operation, you select the Post Sales Docket option <D> on the main system menu. The actual "posting" operation is done by SCAP; all you need to do is set it going by choosing option <1> on the secondary menu which appears on the screen.

During this operation SCAP takes each sales docket entry, finds the file for the appropriate stock item, and reduces its Stock-on-hand quantity accordingly. At the same time it adds the appropriate amount to the month-to-date and year-to-date sales figures. It also prints a Sales Docket Posting Report, which gives you a full audit trail of all items posted, with totals. As part of the report SCAP also draws your attention to certain errors, or possible errors it has found.

If it finds that a docket entry cannot be posted, because you have keyed in an "unknown" stock item (i.e., an item number not present on the Data disk), it will print out the message:

ERROR: ITEM NUMBER XXXXXX IS NOT IN STOCK FILE AND
WAS NOT POSTED

And if it finds that the on-hand quantity of an item goes negative when a sales entry is posted, suggesting a possible error (like keying in the wrong quantity sold), it will print:

NOTE: ITEM NUMBER XXXXXX NOW HAS A QUANTITY OF -NNN

CLEARING MONTHLY AND YEARLY SALES FIGURES

Apart from sales docket posting, the main menu <D> option also gives you the ability to select two further "automatic" SCAP features:

<2> Clearing M-T-D Sales Figures from each Stock Item

This procedure is usually set in motion at the end of each calendar month. When you select <2> on the secondary menu, SCAP will work its way through all of the stock items on the Data disk, resetting each item's "Sales Month-to-Date" field to zero ready for the next month's sales.

<3> Clearing M-T-D and Y-T-D Sales Figures from each Item

This procedure is normally used only at the end of the financial year. When you select <3> on the secondary menu, SCAP will reset to zero both the "Sales Month-to-Date" and "Sales Year-to-Date" figures for each and every item on the Data disk, ready for the new financial year.

NOTE: Before resetting sales figures using either of these functions, you will probably want to keep a reference copy of them. Do this by either making a "Monthly Backup" copy of your Data disk, which can be stored away, or by getting SCAP to print out a full Stock Status Report for all items.

ENTERING GOODS RECEIVED

To enter information on goods received, you choose the Enter Goods Received option <E> on the main system menu. This brings up the following screen:

```

                                     ENTER GOODS RECEIVED
                                     -----
(HIT @ TO EXIT TO MAIN MENU)
A. ITEM NUMBER   [  .....  ]
C. DESCRIPTION
D. SELLING PRICE
F. QTY ON HAND
H. COST PRICE
J. MIN. BALANCE
L. SUPPLIER
M. SALES MTD
N. SALES YTD
B. ADM CODE
E. BULK PRICE
G. TAX CODE
I. LOCATION
K. QTY ON ORDER
```

SCAP first asks for the item number, then displays all details for that item. It then asks you the question:

QUANTITY RECEIVED: -->

When you key this in, it adds it to the Quantity on Hand and also subtracts it from the Quantity on Order. Note that the figure you key in may be a negative number, to correct errors.

It then gives you the chance to enter a new Selling Price and a new Cost Price, in case either of these have changed. If you do not wish to change these price fields, simply hit <NEW LINE> and the existing values will be retained.

ENTERING ORDERS PLACED

To enter information on orders you have placed, choose the Enter Orders Placed option <F> on the main system menu. This brings up a screen which is almost identical to that shown above, and works in a very similar fashion. After you key in the item number, SCAP displays all of the data on file for that item, and then asks:

QUANTITY ORDERED: -->

When you key this quantity in, it is automatically added to the Quantity on Order figure for that item. This option does not provide for changes to any other data fields for the selected item, just to the Quantity on Order.

GETTING A STOCK STATUS SUMMARY

To get this useful data screen summarising the total figures for your stock and sales, choose the Stock Status Summary option <G> on the main system menu. No adjustment of the displayed information is possible with this option. As with the other options, you return to the main menu by pressing the <@> or "back out" key.

GETTING PRINTED REPORTS

With the exception of the Sales Docket Posting Report, which is produced automatically by option <D>, all other printed reports and price lists are obtained by choosing the Printed Reports option <H> on the main system menu. As shown earlier (page 18), this gets you a secondary menu, giving you the opportunity to select the report you want.

For each report, SCAP gives you the option of selecting either all items, or only those with a particular item number prefix. It does this by asking:

ENTER DESIRED PREFIX (OR HIT <NEW LINE> FOR ALL ITEMS):

If you are asking for a Price List to be printed, it will also ask you if you wish to suppress the confidential information:

DO YOU WANT TO SUPPRESS COST AND PROFIT FIGURES?

Hit <N> to get a full price listing, or <Y> to get a short "customer" listing. Note that if you want a price list with fewer columns than the full listing, but more than the short listing, this can be produced by guillotining the full listing as desired. You may also wish to guillotine off the totals at the bottom of the listing, if the list is for customer use.

Before it begins printing, SCAP prompts you with the following message:

TURN PRINTER ON AND ALIGN PAPER AT TOP OF PAGE

HIT SPACE BAR WHEN READY

Don't forget to ensure that the printer is not only switched on, but is also in its "on line" or "selected" mode ready to receive information from the computer.

While it is producing a printed report, SCAP displays the screen message:

** PRINTING **

This is just to remind you what is going on. By the way, all printed reports produced by SCAP are dated, so that you can always identify later when they were produced. This not only makes your auditing easier, but also lets you see at a glance whether price lists and stock status reviews are current.

When SCAP is printing a report the printing may be aborted at any time, should you wish to do so, by hitting the "back out" key <@>. The summary information is still printed at the bottom of the report and will be accurate for those items which have already been printed.

PRINTING STOCK COUNT SHEETS

As mentioned earlier in this manual, SCAP can print out handy stock count sheets to help with your stocktaking. These can then be used to feed your stock counts back into SCAP, and have it produce a printed Stocktake Analysis. This will be explained shortly.

To print out a stock count sheet, select option <7> on the Printed Reports menu. You will then be given the option, as with the other printed reports, of printing out either all items or just those with a particular prefix. This means that you can produce separate stock count sheets for each prefix group of items -- allowing different people to count stock at the same time.

As well as providing space for you to write in the figures for each item count, the stock count sheets produced by SCAP also show the "On Hand" quantity for each item, in the last column. This column can be left on the sheets, if you wish, to allow immediate comparison with the actual count figures.

On the other hand if you prefer that the person doing the stock counting doesn't have the "On Hand" figures in front of them, to influence counting, it is a simple matter to guillotine this final column off. The print-out format for the sheet has been especially designed to give you maximum flexibility.

DOING A STOCKTAKE ANALYSIS

Once your stock items have been counted, using the Stock Count Sheets, SCAP lets you feed the count figures back in to produce a Stocktake Analysis. To do this, select option <8> on the Printed Reports menu.

SCAP will ask you if you want the analysis to be printed or not. Hit the <Y> key if you want a printed record, or the <N> key if you don't. Then the program is ready for business.

Items may be fed in randomly, in any convenient order. With each item you are first asked the item number, then SCAP will read that item's data from the Data disk. When this has been done the cursor will indicate that you should key in your count for that item. After you do this, it will respond by giving the "On Hand" quantity for comparison, and any difference between the two will be shown in terms of both number of items and value at cost.

When you indicate that you want to end up, by hitting the <@> key, SCAP will show on the screen total cost value for all items counted, worked out separately using both the "On Hand" figures and the "Actually Counted" figures. It also shows the Total Gain or Loss. Then the screen pauses and asks you to hit the space bar when you wish to continue.

When you do so it will return to the Printed Reports menu -- either immediately, if you have not been printing the analysis, or after printing the total cost values and Gain/Loss figure.

MAKING BACKUP DATA DISKS

To make a backup copy of your Data disk, select the <I> option on the main system menu. Just to make sure that you really do want to make a backup disk, and haven't pressed the key by accident, SCAP will ask:

DO YOU WISH TO PROCEED (Y/N)?

If you've made a mistake, now's the time to correct it by hitting the <N> key. Otherwise hit the <Y> key, followed by

<NEW LINE>. This actually causes SCAP to complete its current run, storing on the Data disk any data which remains in the computer's memory. A separate disk copying program is then loaded into the computer from the Program Backup disk.

Remove the Program Backup disk from Drive 0, and put it carefully aside. Now remove your current Data disk from Drive 1, and put it into Drive 0. Then put your backup-disk-to-be in Drive 1, as directed by the screen. Note that this disk may be either a new blank disk or a previously created Backup Data disk, whichever you wish.

Now hit the <NEW LINE> key, and the copying will take place. It will take about 2 minutes.

When the copying is complete, remove your new Backup Data disk and label it, if it hasn't already got a label. Use a soft felt pen to prevent damaging the disk -- not a ball-point pen.

The copying program will have stopped, returning control to the computer's BASIC interpreter. If you want to make another backup disk, simply type in the command

RUN

and hit the <NEW LINE> key. Incidentally, this same copying program can be used to make Backup copies of your Program disk. In fact you will have already used it to do just this, if you followed our starting instructions on page 16.

BE SYSTEMATIC IN MAKING BACKUP DATA DISKS!

We cannot emphasise too strongly that to protect yourself against catastrophic loss of the valuable data on your SCAP Data disk, you should make backup copies of it on a regular and systematic basis. In fact, we strongly recommend that you make a backup copy at the end of each working day.

You can do this with only two backup disks, used alternately. One disk is used to make the backup copy of your working Data disk on even-dated days, and the other to make the backup copy on odd-dated days. Should your working Data disk get corrupted, you can then go back to yesterday's backup copy and restore the system. And should yesterday's backup copy be corrupted too (unlikely!), you will still have the one from the day before.

Needless to say, in either case you will have to key in the changes which have occurred since the backup disk was made. In other words, you will have to key in either 1 day's transactions, or at the most two. This is tedious, to be sure, but a lot better than having to start the whole SCAP off again from scratch, by keying in all your stock items over again!

So for your own good, be systematic: keep those Backups up to date by spending 2 minutes at the end of each working day!

APPENDIX 1: CHANGING SCAP'S SALES TAX LEVELS

The sales tax levels imbedded within the SCAP program may be changed at any time, if necessary. This is done by a simple editing operation, as the tax level information is stored in lines 90-130 inclusive in the program itself.

The procedure is as follows. Load SCAP into the computer in the usual fashion, and feed in the date and password (if necessary) until the main system menu appears on the screen. Then hit the <@> "back out" key, which will force SCAP to end up. When the word "READY" appears, followed by the BASIC prompt ">", carefully type in:

```
LIST 70-130
```

and hit <NEW LINE>. The following will appear on your screen:

```
70 REM SALES TAX CODES/RATES
80 DATA 5:REM 5=NUMBER OF TAX CODES USED
90 DATA A,27.5
100 DATA B,15.0
110 DATA C,2.5
120 DATA D,0.0:REM 'NIL TAX' CATEGORY
130 DATA E,0.0:REM 'EXEMPT - SALES TAX NO. PROVIDED'
READY
>
```

Now you can retype any of the above lines, inserting your new tax rates. Make sure you use exactly the same format, however. If you wish to have more than 5 tax codes, simply change line 80 accordingly, then add extra lines with line numbers between 80 and 130 to cover each code letter and its tax level. Note: if you need guidance here, see our book "Dick Smith's Easy Way to Programming in BASIC Using the System 80" (Cat.No.B-6200).

When you have made these changes, you will have to re-record the modified SCAP program on the Program Backup disk. To do this, first remove the disk from Drive 0 and carefully remove its write-protect tab. Then place it back into the same drive. Now carefully type in the command:

```
SAVE 240
```

and hit <NEW LINE>. The modified program will be saved on the disk. When the lamp on the drive goes out again, remove the disk and carefully fit a new write-protect tab over the notch.

The job is now done, but it would be a good idea to try the modified SCAP out with the original sample Data disk to make sure you haven't made a mistake somewhere. If it still works correctly, you can safely go back to your normal Data disk.

If by some chance you did manage to corrupt the program, you can always make a new Backup Program disk from the original, and try again.

APPENDIX 2: SAMPLES OF THE PRINTED REPORTS

ACME DISTRIBUTORS PTY LTD
PRICE LIST 26/11/80

Item Number	Description	T	Selling Price	Bulk Price	On Hand	Cost Price	GP% Supt
A 0108	HI FI STAND 2 SHELF	B	49.50	45.00	16	37.00	14.0
A 4050	MINI CASSETTE RECORDER	A	45.00	41.10	10	33.75	4.4
B 1577	SYSTEM 80 TECHN. MANUAL	D	9.95	8.75	87	7.35	26.1
B 2325	AUSTRALIAN CB RAD. H'BOOK C	C	3.95	3.20	197	2.95	23.4
B 4525	BOOK - GOLD FINDER NOLAN C	C	1.95	1.70	15	1.47	22.7
C 3832	CASSETTE CLEANER DEMAG	A	5.95	5.10	12	4.20	10.0
D 1409	MARINE RADIO MIDLAND 12C	A	125.00	118.00	11	100.00	*****
D 1450	CB RADIO 18 CHANNEL	A	89.50	81.00	14	72.00	*****
D 4116	YAESU ANTENNA 15M	A	20.95	18.10	20	15.75	4.1
H 2201	DIECAST ALUMINIUM BOX	B	9.00	7.60	29	6.10	22.1
H 2751	ZIPPY BOX 150X90X50	B	2.50	2.00	55	1.60	26.4
P 5590	EXTENSION CORD - 3M	B	2.85	2.30	-4	1.85	25.4
P 5610	POWER PAK - 4 SWITCH 240V	B	16.50	14.00	53	11.55	19.5
S 0100	3MM X 25MM RND HD SCREW	C	0.05	0.04	870	0.03	38.5
T 1820	SOLDERING IRON 12WATTS	B	15.00	13.00	41	10.50	19.5
T 3630	WIRE STRIPPER	B	2.25	1.95	68	1.50	23.0
T 4670	40 PCE SOCKET SET	B	16.50	14.00	16	11.00	23.0
X 1044	WATCH DIGITAL ALARM D.S.	A	49.50	45.00	50	37.10	4.4
X 1130	DOOR CHIME - 24 TUNE	A	35.00	31.00	22	25.80	6.0
X 3255	DOT MATRIX PRINTER 125DPS	B	970.00	825.00	37	768.00	8.9
X 4010	SYS-80 EXPANSION UNIT	B	499.00	450.00	200	400.00	7.8

ITEMS LISTED : 21
 COST VALUE OF LISTED ITEMS : \$117,088.40
 RETAIL VALUE OF LISTED ITEMS : \$147,305.55
 BULK VALUE OF LISTED ITEMS : \$130,847.95

END OF LISTING

This is a sample of the "full Price List" produced by the SCAP (with the Sales tax option here in use). As you can see, it includes On-Hand Quantity, Cost Price, Gross Profit and Supplier Code columns -- but these can be guillotined off if not wanted.

**ACME DISTRIBUTORS PTY LTD
PRICE LIST 26/11/80**

Item Number	A	Description	T	Selling Price	Bulk Price
A 0108	N	HI FI STAND 2 SHELF	B	49.50	45.00
A 4050	A	MINI CASSETTE RECORDER	A	45.00	41.10
B 1577		SYSTEM 80 TECHN. MANUAL	D	9.95	8.75
B 2325		AUSTRALIAN CB RAD. H'BOOK	C	3.95	3.20
B 4525		BOOK - GOLD FINDER NOLAN	C	1.95	1.70
C 3832	D	CASSETTE CLEANER DEMAG	A	5.95	5.10
D 1409	N	MARINE RADIO MIDLAND 12C	A	125.00	118.00
D 1450	N	CB RADIO 18 CHANNEL	A	89.50	81.00
D 4116	D	YAESU ANTENNA 15M	A	20.95	18.10
H 2201		DIECAST ALUMINIUM BOX	B	9.00	7.60
H 2751	N	ZIPPY BOX 150X90X50	B	2.50	2.00
F 5590		EXTENSION CORD - 3M	B	2.85	2.30
F 5610		POWER PAK - 4 SWITCH 240V	B	16.50	14.00
S 0100		3MM X 25MM RND HD SCREW	C	0.05	0.04
T 1820		SOLDERING IRON 12WATTS	B	15.00	13.00
T 3630	N	WIRE STRIPPER	B	2.25	1.95
T 4670		40 PCE SOCKET SET	B	16.50	14.00
X 1044	N	WATCH DIGITAL ALARM D.S.	A	49.50	45.00
X 1130	N	DOOR CHIME - 24 TUNE	A	35.00	31.00
X 3255		DOT MATRIX PRINTER 125CPS	B	970.00	825.00
X 4010	N	SYS-80 EXPANSION UNIT	B	499.00	450.00

ITEMS LISTED : 21
RETAIL VALUE OF LISTED ITEMS : \$147,305.55

END OF LISTING

Here is a sample of the "short" Price List format, more suitable for use by customers than the "full" listing.

**ACME DISTRIBUTORS PTY LTD
PRICE LIST 26/11/80**

Item Number	A	Description	T	Selling Price	Bulk Price
X 1044	N	WATCH DIGITAL ALARM D.S.	A	49.50	45.00
X 1130	N	DOOR CHIME - 24 TUNE	A	35.00	31.00
X 3255		DOT MATRIX PRINTER 125CPS	B	970.00	825.00
X 4010	N	SYS-80 EXPANSION UNIT	B	499.00	450.00

ITEMS LISTED : 4
RETAIL VALUE OF LISTED ITEMS : \$138,935.00

END OF LISTING

A further sample Price List. This is again in the "short" format, but here you see the result of choosing to print out only items with a particular item number prefix (here X).

ACME DISTRIBUTORS PTY LTD
 STOCK STATUS REPORT 26/11/80

Item Number	A	Supl D	Description	Min Bal	On Hand	On Order	Loc	Unit Cost	Sold Month	Sold YTD	NMO
A 0108	N	4646	HI FI STAND 2 SHELF	12	16	0	S4	37.00	14	14	---
A 4050	A	8090	MINI CASSETTE RECORDER	15	10	30	S2	33.75	0	0	-MO
B 1577		6890	SYSTEM 80 TECHN. MANUAL	100	87	500	S1	7.35	0	0	-MO
B 2325		8090	AUSTRALIAN CB RAD. H'BOOK	50	197	0	S3	2.95	0	3	---
B 4525		6890	BOOK - GOLD FINDER NOLAN	10	15	25	S1	1.47	15	15	--0
C 3832	D	4560	CASSETTE CLEANER DEMAG	0	12	0	S2	4.20	0	0	---
D 1409	N	3450	MARINE RADIO MIDLAND 12C	4	11	0	S1	100.00	1	1	---
D 1450	N	8090	CB RADIO 18 CHANNEL	6	14	12	S1	72.00	0	0	--0
D 4116	D	4080	YAESU ANTENNA 15M	0	20	0	S1	15.75	0	0	---
H 2201		4021	DIECAST ALUMINIUM BOX	0	29	0	S2	6.10	0	1	---
H 2751	N	4530	ZIPPY BOX 150X90X50	50	55	0	S3	1.60	5	5	---
P 5590		353	EXTENSION CORD - 3M	10	-4	20	S2	1.85	26	29	NMO
P 5610		4545	POWER PAK - 4 SWITCH 240V	25	53	0	S3	11.55	2	2	---
S 0100		3535	3MM X 25MM RND HD SCREW	1000	870	8000	S7	0.03	0	0	-MO
T 1820		3535	SOLDERING IRON 12WATTS	10	41	0	S2	10.50	3	4	---
T 3630	N	2440	WIRE STRIPPER	20	68	0	S1	1.50	0	12	---
T 4670		3535	40 PCE SOCKET SET	12	16	20	S2	11.00	14	14	--0
X 1044	N	6567	WATCH DIGITAL ALARM D.S.	20	50	0	S3	37.10	0	2	---
X 1130	N	8090	DOOR CHIME - 24 TUNE	20	22	30	S3	25.80	0	1	--0
X 3255		1423	DOT MATRIX PRINTER 125CPS	50	37	100	3D	768.00	0	0	-MO
X 4010	N	4321	SYS-80 EXPANSION UNIT	75	200	200	3D	400.00	0	0	--0

ITEMS LISTED : 21
 COST VALUE OF LISTED ITEMS : \$117,088.40
 RETAIL VALUE OF LISTED ITEMS : \$147,305.55
 COST OF ABOVE GOODS ON ORDER : \$163,659.25
 TOTAL SALES THIS MONTH (ALL ITEMS): \$1,123.55
 TOTAL SALES YR TO DATE (ALL ITEMS): \$1,323.95

END OF LISTING

Here is a sample Stock Status Report -- in this case for all items. Note the "ADN" column, second from the left.

ACME DISTRIBUTORS PTY LTD
 LISTING OF NOT-IN-STOCK ITEMS 26/11/80

Item Number	A	Supl D	Description	Min Bal	On Hand	On Order	Loc	Unit Cost	Sold Month	Sold YTD	NMO
P 5590		353	EXTENSION CORD - 3M	10	-4	20	S2	1.85	26	29	NMO

ITEMS LISTED : 1
 COST VALUE OF LISTED ITEMS : -\$7.40
 RETAIL VALUE OF LISTED ITEMS : -\$11.40
 COST OF ABOVE GOODS ON ORDER : \$37.00

END OF LISTING

A sample of the Listing of Not-In-Stock Items. Hopefully your own listings for this option will be this short most of the time, if you use SCAP to full advantage!

**ACME DISTRIBUTORS PTY LTD
STOCK STATUS REPORT 26/11/80**

Item Number	A D	Supl	Description	Min Bal	On Hand	On Order	Loc	Unit Cost	Sold Month	Sold YTD	NMO
X 1044	N	6567	WATCH DIGITAL ALARM D.S.	20	50	0	S3	37.10	0	2	---
X 1130	N	8090	DOOR CHIME - 24 TUNE	20	22	30	S3	25.80	0	1	--0
X 3255		1423	DOT MATRIX PRINTER 125CPS	50	37	100	3D	768.00	0	0	-MO
X 4010	N	4321	SYS-80 EXPANSION UNIT	75	200	200	3D	400.00	0	0	--0

ITEMS LISTED : 4
 COST VALUE OF LISTED ITEMS : \$110,838.60
 RETAIL VALUE OF LISTED ITEMS : \$138,935.00
 COST OF ABOVE GOODS ON ORDER : \$157,574.00
 TOTAL SALES THIS MONTH (ALL ITEMS): \$1,123.55
 TOTAL SALES YR TO DATE (ALL ITEMS): \$1,323.95

END OF LISTING

Like the Price List, the Stock Status Report can, if you wish, be printed out for only items with a particular prefix --in this case, for the "X" items. Note the date at the top.

**ACME DISTRIBUTORS PTY LTD
ITEMS LESS THAN MINIMUM BALANCE 26/11/80**

Item Number	A D	Supl	Description	Min Bal	On Hand	On Order	Loc	Unit Cost	Sold Month	Sold YTD	NMO
A 4050	A	8090	MINI CASSETTE RECORDER	15	10	30	S2	33.75	0	0	-MO
B 1577		6890	SYSTEM 80 TECHN. MANUAL	100	87	500	S1	7.35	0	0	-MO
P 5590		353	EXTENSION CORD - 3M	10	-4	20	S2	1.85	26	29	NMO
S 0100		3535	3MM X 25MM RND HD SCREW	1000	870	8000	S7	0.03	0	0	-MO
X 3255		1423	DOT MATRIX PRINTER 125CPS	50	37	100	3D	768.00	0	0	-MO

ITEMS LISTED : 5
 COST VALUE OF LISTED ITEMS : \$29,411.65
 RETAIL VALUE OF LISTED ITEMS : \$37,237.75
 COST OF ABOVE GOODS ON ORDER : \$81,764.50

END OF LISTING

Here is a sample of the Items Less than Minimum Balance listing, which can be very handy as a guide to your ordering. Note the figure at the bottom, showing how much money you have committed to existing orders for these items.

ACME DISTRIBUTORS PTY LTD
 LISTING OF ITEMS BY SUPPLIER: 8090 26/11/80

Item Number	A D	Supl	Description	Min Bal	On Hand	On Order	Loc	Unit Cost	Sold Month	Sold YTD	NMO
A 4050	A	8090	MINI CASSETTE RECORDER	15	10	30	S2	33.75	0	0	-MO
B 2325		8090	AUSTRALIAN CB RAD. H'BOOK	50	197	0	S3	2.95	0	3	---
D 1450	N	8090	CB RADIO 18 CHANNEL	6	14	12	S1	72.00	0	0	--0
X 1130	N	8090	DOOR CHIME - 24 TUNE	20	22	30	S3	25.80	0	1	--0

ITEMS LISTED : 4
 COST VALUE OF LISTED ITEMS : \$2,494.25
 RETAIL VALUE OF LISTED ITEMS : \$3,251.15
 COST OF ABOVE GOODS ON ORDER : \$2,650.50

END OF LISTING

Another of SCAP's useful printed reports is this listing of all items currently obtained from a specified supplier. This can be very handy if you are preparing for a visit by the supplier's salesman, or want to review all lines from that supplier before ringing through an order.

ACME DISTRIBUTORS PTY LTD
 STOCK COUNT SHEET

Item Number	A D	Description	Loc	Stock	Count	On Hand
A 0108	N	HI FI STAND 2 SHELF	S4	.....	.....	16
A 4050	A	MINI CASSETTE RECORDER	S2	.....	.....	10
B 1577		SYSTEM 80 TECHN. MANUAL	S1	.....	.....	87
B 2325		AUSTRALIAN CB RAD. H'BOOK	S3	.....	.....	197
B 4525		BOOK - GOLD FINDER NOLAN	S1	.....	.....	15
C 3832	D	CASSETTE CLEANER DEMAG	S2	.....	.....	12
D 1409	N	MARINE RADIO MIDLAND 12C	S1	.....	.....	11
D 1450	N	CB RADIO 18 CHANNEL	S1	.....	.....	14
D 4116	D	YAESU ANTENNA 15M	S1	.....	.....	20
H 2201		DIECAST ALUMINIUM BOX	S2	.....	.....	29
H 2751	N	ZIPPY BOX 150X90X50	S3	.....	.....	55
P 5590		EXTENSION CORD - 3M	S2	.....	.....	-4
P 5610		POWER PAK - 4 SWITCH 240V	S3	.....	.....	53
S 0100		3MM X 25MM RND HD SCREW	S7	.....	.....	870
T 1820		SOLDERING IRON 12WATTS	S2	.....	.....	41
T 3630	N	WIRE STRIPPER	S1	.....	.....	68
T 4670		40 PCE SOCKET SET	S2	.....	.....	16
X 1044	N	WATCH DIGITAL ALARM D.S.	S3	.....	.....	50
X 1130	N	DOOR CHIME - 24 TUNE	S3	.....	.....	22
X 3255		DOT MATRIX PRINTER 125CPS	S3	.....	.....	37
X 4010	N	SYS-80 EXPANSION UNIT	S3	.....	.....	200

ITEMS LISTED : 21
 COST VALUE OF LISTED ITEMS : \$117,088.40
 RETAIL VALUE OF LISTED ITEMS : \$147,305.55

END OF LISTING

Here is a sample of the Stock Count Sheet, showing the space provided for the physical stock count and also the On-Hand column at the end (which you can guillotine off if not wanted). Like the other printed reports, this one can be restricted to just the items with a particular prefix, if you so desire.

**ACME DISTRIBUTORS PTY LTD
STOCK TAKE ANALYSIS**

Item Number	A D	Description	Stock Count	On Hand	+/- Qty	+/- Val.
B 2325		AUSTRALIAN CB RAD. H'BOOK	194	197	3	8.85
B 1577		SYSTEM 80 TECHN. MANUAL	86	87	1	7.35
T 3630	N	WIRE STRIPPER	69	68	-1	-1.50
X 1044	N	WATCH DIGITAL ALARM D.S.	50	50	0	0.00
X 4010	N	SYS-80 EXPANSION UNIT	198	200	2	800.00
H 2751	N	ZIPPY BOX 150X90X50	55	55	0	0.00
D 1409	N	MARINE RADIO MIDLAND 12C	11	11	0	0.00
D 4116	D	YAESU ANTENNA 15M	20	20	0	0.00
C 3832	D	CASSETTE CLEANER DEMAG	12	12	0	0.00
A 0108	N	HI FI STAND 2 SHELF	15	16	1	37.00

TOTAL COST VALUE FROM QTY ON HAND	\$85,323.00
TOTAL COST VALUE FROM STOCK COUNT	\$84,471.30
TOTAL GAIN/LOSS	-\$851.70

END OF LISTING

This is the sort of listing you can produce if you key your physical stock count figures back into SCAP. It gives you a full printed record of all item discrepancies, together with the total gain or loss.

ACME DISTRIBUTORS PTY LTD
 SALES DOCKET POSTING REPORT 26/11/80

Item Number	Description	T	Selling Price	Qty Sold	New Bal	Sold MTD	Sold YTD
A 0108	HI FI STAND 2 SHELF	X B	49.50 R	14	16	14	14
B 4525	BOOK - GOLD FINDER NOLAN	C	1.95 R	15	15	15	15
T 4670	40 PCE SOCKET SET	B	16.50 R	14	16	14	14
H 2751	N ZIPPY BOX 150X90X50	B	2.00 B	5	55	5	5

NUMBER OF ITEMS POSTED : 4
 REVENUE FROM RETAIL SALES : \$959.25
 REVENUE FROM BULK SALES : \$10.00
 TOTAL REVENUE : \$969.25
 TOTAL COST OF GOODS SOLD : \$702.05

END OF LISTING

When you get SCAP to "post" your sales docket information, this is the sort of Report it generates. As you can see, it gives you a full record for later auditing by you or your accountant.

APPENDIX 3: PROGRAM LISTINGS

```

10 REM - 'SCAP'
20 REM STOCK CONTROL & PRICING SYSTEM FOR SYSTEM-80 COMPUTER
30 REM COPYRIGHT (C) DICK SMITH ELECTRONICS, 1980
40 REM ALL RIGHTS RESERVED
50 REM
60 CLEAR750:DEFINT A,C,G-H,J-O,T,W:DIMC(1200)
70 REM SALES TAX CODES/RATES
80 DATA 5:REM 5 = NO. OF TAX CODES USED
90 DATA A,27.5
100 DATA B,15.0
110 DATA C,2.5
120 DATA D,0.0:REM 'NIL TAX' CATEGORY
130 DATA E,0.0:REM 'EXEMPT - SALES TAX NO. PROVIDED' CATEGORY
140 A=10000:PT=A+5:PI=A+6:QI=A+15:DEFUSR0=556
150 PS=A+16:QS=A+46:PD=A+47:QD=A+346:PV=A+347:QV=A+389
160 CLS:GOSUB350
170 ONERRORGOTO4310:GOSUB3170
180 IFPEEK(16400)<>0THENDTS=RIGHT$(STR$(PEEK(16400)),2)+"/"+RIGHT$(STR$(PEEK(16409)),2)+"/"+RIGHT$(STR$(PEEK(16410)),2):GOTO240
190 PRINT@580,"ENTER DATE (DD/MM/YY) : ";
200 GL=0:GOSUB510:DTS=INS:IFLEFT$(DTS,3)="???"THENGOSUB4560
210 IFMIDS(DTS,3,1)<>"/"ORMIDS(DTS,6,1)<>"/"THENDTS="":GOTO190
220 POKE16400,VAL(LEFT$(DTS,2)):POKE16410,VAL(RIGHT$(DTS,2))
230 POKE16409,VAL(MID$(DTS,4,2)):GOTO270
240 IFPEEK(16426)=1THENPOKE16426,0:PRINT@468,"RE-INITIALISING":GOTO320
250 PRINT@458,"DATE IS SET TO ";CHR$(31);DTS;" . IS THIS RIGHT? ";
260 GL=1:GOSUB510:IFINS<>"Y"ANDINS<>"N"THENPRINTCHR$(9);:GOTO260ELSEIFINS="N"THENPRINT@458,CHR$(31):GOTO190
270 CLS:GOSUB350
280 IPTI=0ORPWS=" "THEN310
290 GOSUB3970:IFLEFT$(PS,3)="???"THENGOSUB4560:GOTO270
300 IFPS<>PWSTHENPRINT:PRINT*** UNAUTHORIZED ACCESS TO SYSTEM ***:GOSUB2910:CLS:GOSUB350:GOTO290
310 PRINT@448,"INITIALIZING - PLEASE WAIT";CHR$(31)
320 POKE16424,65:LFS=CHR$(10)
330 GOTO3720
340 GOSUB350:GOTO390
350 CLS:PRINTTAB(17)"STOCK CONTROL & PRICING SYSTEM":PRINTTAB(17)STRINGS(30,CHR$(131))
360 PRINT@117,DTS:PRINT:RETURN
370 CLS:PRINT@448,"SECURITY PASSWORD FOR YOUR SYSTEM IS: ";CHR$(34);PWS;CHR$(34):PRINT:GOSUB2910:RETURN
380 GOSUB350:PRINTTAB(21)"STOCK STATUS SUMMARY":PRINTTAB(21)STRINGS(20,CHR$(131)):PRINT:GOSUB3840:PRINT:GOSUB2890:RETURN
390 PRINT"OPTIONS:";PRINTSTRING$(8,CHR$(131))
400 PRINT" A. NEW ITEM ENTRY B. DISPLAY/UPDATE
C. ENTER SALES DOCKETS D. POST SALES DOCKETS
E. ENTER GOODS RECEIVED F. ENTER ORDERS PLACED"
410 PRINT" G. STOCK STATUS SUMMARY H. PRINTED REPORTS
I. BACKUP DATA SELECT @. END OF PROGRAM"
420 PRINT:PRINT"SELECT OPTION --> ";
430 GH=0:GL=1:GOSUB510:IFCF=1THEN470ELSEIFINS<"A"ORINS>"K"THENPRINTCHR$(8);:GOTO430
440 GH=1:SS=INS:ONASC(INS)-64GOSUB700,940,2130,2300,1600,1610,380,1820,4950
450 IFER=1THENINS="A":GOTO440
460 IFGD=0THEN340ELSECL:GOSUB350:PRINT@468,"DATA SAVING IN PROGRESS":GOSUB3290:GOSUB3260:GOTO4370
470 CLS
480 PRINT@448,"ENDING PROGRAM - WAIT FOR 'READY'":PRINT:PRINT:IFER=1THENCLEAR50:ENDELSEGOSUB3290:GOSUB3260:CLEAR50:END
490 PRINT@128,"(HIT @ TO EXIT TO MAIN MENU)";CHR$(30);:RETURN
500 PRINT@128,"(HIT @ TO REDO ENTRY)";CHR$(30);:RETURN
510 INS="":CF=0:WS=INKEYS:WD=0:WS=WD:WL=WD:IFGL=WDTHEN GL=1
520 PRINTSTRING$(ABS(GL),CHR$(136));STRINGS(ABS(GL),CHR$(24))
530 PRINTCHR$(14);:FORW=1TO25:WS=INKEYS:IFWS<>" "THEN540ELSENEXT:PRINTCHR$(15);:FORW=1TO25:WS=INKEYS:IFWS<>" "THEN540ELSENEXT:GOTO530
540 IFWS=" "THENCFL=1:PRINTCHR$(15);:RETURNELSEIFASC(WS)AND224THEN620
550 IFWS<>CHR$(13)THEN570ELSEPRINTSTRING$(ABS(GL)-WL," ");
560 PRINTCHR$(15);:W=25:NEXT:RETURN
570 PRINTCHR$(14);:IFWS=CHR$(24)THENPRINTSTRING$(WL,CHR$(24));:GOTO510
580 IFWS<>CHR$(8)THEN620ELSEIFWL=0THEN530ELSEPRINTCHR$(24);:IFGL=0THEN600ELSEIFPEEK(16418)=44THEN610
590 IFPEEK(16418)=46THENWD=0:GOTO600ELSEIFPEEK(16418)=43ORPEEK(16418)=45THENWS=0
600 INS=LEFT$(INS,LEN(INS)-1)
610 WL=WL-1:POKE16418,136:GOTO530
620 IFABS(GL)=WLTHEN530ELSEIFGL>0THENIFWS>" "ANDWS<" "Z"THEN670
630 IF WS=" " AND WD=0THENWD=1:GOTO670
640 IFWS=" " THEN PRINTWS;:WL=WL+1:GOTO680
650 IF(WS<" "ORWS=" ")ANDWS=0ANDWL=0THENWS=1:GOTO670
660 IFWS<" "ORWS>" "9"THEN530
670 PRINTWS;:INS=INS+WS:WL=WL+1
680 IFABS(GL)>1THEN530
690 IFGH=1THEN530ELSE560
700 CLS:PRINTTAB(20)"NEW ITEM ENTRY":PRINTTAB(20)STRINGS(14,CHR$(131)):PRINT
710 IPTI=1200THENCLS:PRINT@468,"SYSTEM IS FULL (1200 ITEMS)":GOSUB2890:RETURNELSEPRINT@A0,CHR$(30);:GOSUB2920:GOSUB490
720 IFGD<>0THENPRINT@295,"(LAST ENTRY: ";IS;")";
730 GL=6:PRINT@A0,;:GOSUB510:IFCF=0THENISS=INSELSERETURN
740 IFISS=" "THEN730
750 NL=0:NH=0E:GOSUB2840:IFK<>0THENPRINT@288,"ITEM NUMBER ON FILE ALREADY":GOSUB2910:GOTO710ELSEGOSUB500
760 GL=1:PRINT@A1,;:GOSUB510:IFCF=0THENIAS=INSELSE700
770 GL=25:PRINT@A2,;:GOSUB510:IFCF=0THENIDS=INSELSE700
780 IFIDS=" "THEN770
790 GL=-7:PRINT@A3,;:GOSUB510:IFCF=0THENIP=VAL(INS)ELSE700
800 IFINS=" "THEN790
810 GL=-7:PRINT@A4,;:GOSUB510:IFCF=0THENIK=VAL(INS):ELSE700
820 GL=-7:PRINT@A5,;:GOSUB510:IFCF=0THENIQ=VAL(INS):ELSE700
830 IFINS=" "THEN820
840 GL=1:PRINT@A6,;:GOSUB510:IFCF=0THENIS=INSELSE700
850 GL=-7:PRINT@A7,;:GOSUB510:IFCF=0THENIC=VAL(INS):GOSUB3410ELSE700
860 GL=2:PRINT@A8,;:GOSUB510:IFCF=0THENILS=INSELSE700
870 GL=-4:PRINT@A9,;:GOSUB510:IFCF=0THENIR=VAL(INS)ELSE700
880 GL=-5:PRINT@AA,;:GOSUB510:IFCF=0THENIO=VAL(INS)ELSE700
890 GL=4:PRINT@AB,;:GOSUB510:IFCF=0THENIVS=INSELSE700
900 P1=0:P2=0:GOSUB4530
910 TC#=#TC#:#IC#:#IQ#:#TP#:#IP#:#IQ#:#TR#:#TR#:#IO#:#IC#:#TI#:#TI+1:#TB#:#TB#:#IK#:#IQ
920 J=TN:GD=1:GOSUB3930:GOSUB3100:GOSUB3130:GOSUB3110:GOSUB3120:GOSUB2990
930 GOSUB3070:GOSUB3000:GOSUB3020:IS=ISS:TN=TN+1:J=TN:ER=0:GOTO710
940 CLS:PRINTTAB(20)"DISPLAY/UPDATE STOCK ITEMS":PRINTTAB(20)STRINGS(26,CHR$(131)):PRINT
950 PRINT@AF,CHR$(31):GOSUB2920
960 PRINT@A0,;
970 GL=6:GOSUB510:IFCF=0THENISS=INSELSE1550
980 GOSUB2830
990 IFK=0THENPRINT@288,"** ITEM NOT ON FILE **":GOSUB2910:GOSUB2920:GOTO960
1000 GOSUB3340

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1010 PRINT@1,"C HANGE      D.ELETE      A DJUST QTY      @ RETURN TO MENU":PRINT@64,CHRS(30)
1020 PRINT@0,CHRS(133);:PRINT@2,CHRS(130);:PRINT@11,CHRS(133);:PRINT@13,CHRS(130);
1030 PRINT@25,CHRS(133);:PRINT@27,CHRS(130);:PRINT@43,CHRS(133);:PRINT@45,CHRS(130);
1040 PRINT@128,CHRS(30);:PRINT" S EARCH      N EXT ITEM      P REVIOUS ITEM":CHRS(30);
1050 PRINT@128,CHRS(133);:PRINT@130,CHRS(130);:PRINT@139,CHRS(133);:PRINT@141,CHRS(130);:PRINT@153,CHRS(133);:PRINT@155,CHRS(130);
1060 PRINT@181,CHRS(133);" ";CHRS(130);
1070 PRINT@192,STRINGS(17,CHRS(131));STRINGS(10,CHRS(179));STRINGS(37,CHRS(131));
1080 PRINT@182,"";
1090 GH=0:GL=1:GOSUB510:IFCF=1THEN1550
1100 OS=INS:IFOS<>"C"ANDOS<>"S"ANDOS<>"N"ANDOS<>"P"ANDOS<>"D"ANDOS<>"A"THENPRINTCHRS(8);:GOTO1090
1110 IFOS="D"THEN1490
1120 IFOS="S"THEN950
1130 IFOS="C"THEN1180
1140 IFOS="A"THEN1520
1150 IFOS="P"ANDN<>1THENN=N-1:J=C(N):IFSGN(J)=-1THEN1150ELSEGOSUB3100:GOSUB3130:GOSUB3140:GOSUB3340:GOTO1010
1160 IFOS="N"ANDN+1<>NTHENN=N+1:J=C(N):GOTO1170ELSEPRINTCHRS(8);:GOTO1090
1170 IFSGN(J)=-1THEN1160ELSEGOSUB3100:GOSUB3130:GOSUB3140:GOSUB3340:GOTO1010
1180 PRINT@0,CHRS(30):PRINT@128,CHRS(30);:PRINT@64,"SELECT LINE TO BE CHANGED (HIT @ TO RESTART)--> ";
1190 GL=1:GOSUB510:IFCF=0THENUS=INS:IFUS<"A"ORUS<"N"THENPRINTCHRS(8);:GOTO1190
1200 IFCF<>0THEN1010
1210 GH=1:ONASC(US)-65GOTO1220,1250,1270,1300,1320,1340,1360,1390,1410,1430,1450,1460,1470
1220 PRINT@A1," ";:PRINT@A1;
1230 GL=1:GOSUB510:IFCF=0THENIAS=INS:GOTO1480ELSE1200
1240 PRINT@128,CHRS(31):PRINT@448,"FORMATTING DESTINATION DISK";
1250 PRINT@A2,STRINGS(25," ");:PRINT@A2;
1260 GL=25:GOSUB510:IFCF=0THENIDS=INS:GOTO1480ELSE1200
1270 PRINT@A3,STRINGS(7," ");:PRINT@A3;
1280 GL=-7:GOSUB510:IFINS="*THEN1280ELSEIFCF=0THENGOSUB1580:IP=VAL(INS):GOSUB3410:GOSUB1590:GOTO1480
1290 GOTO1200
1300 PRINT@A4,STRINGS(7," ");:PRINT@A4;
1310 GL=-7:GOSUB510:IFCF=0THENGOSUB1580:IK=VAL(INS):GOSUB1590:GOTO1480ELSE1200
1320 PRINT@A5," ";:PRINT@A5;
1330 GL=-5:GOSUB510:IFCF=0THENGOSUB1580:IQ=VAL(INS):GOSUB1590:GOTO1480ELSE1200
1340 PRINT@A6," ";:PRINT@A6;
1350 GL=1:GOSUB510:IFCF=0THENITS=INS:GOTO1480ELSE1200
1360 PRINT@A7,STRINGS(7," ");:PRINT@A7;
1370 GL=-7:GOSUB510:IFINS="*THEN1370ELSEIFCF=0THENGOSUB1580:IC=VAL(INS):GOSUB3410:GOSUB1590:GOTO1480
1380 GOTO1200
1390 PRINT@A8," ";:PRINT@A8;
1400 GL=2:GOSUB510:IFCF=0THENILS=INS:GOTO1480ELSE1200
1410 PRINT@A9," ";:PRINT@A9;
1420 GL=-4:GOSUB510:IFCF=0THENIR=VAL(INS):GOTO1480ELSE1200
1430 PRINT@AA," ";:PRINT@AA;
1440 GL=-5:GOSUB510:IFCF=0THENGOSUB1580:IO=VAL(INS):GOSUB1590:GOTO1480ELSE1200
1450 PRINT@AB," ";:PRINT@AB;:GL=4:GOSUB510:IFCF=0THENIVS=INS:GOTO1480ELSE1200
1460 PRINT@AC,STRINGS(7," ");:PRINT@AC;:GL=-7:GOSUB510:IFCF=0THENGOSUB1560:P1=VAL(INS):GOSUB1570:GOTO1480ELSE1200
1470 PRINT@AD,STRINGS(7," ");:PRINT@AD;:GL=-7:GOSUB510:IFCF=0THENGOSUB1560:P2=VAL(INS):GOSUB1570:GOTO1480ELSE1200
1480 GOSUB3020:GOTO1010
1490 PRINT@128,"ARE YOU SURE YOU WANT TO DELETE THIS ITEM(Y/N)? ";:GL=1:GOSUB510:IFINS<"Y"THEN1010ELSESEC(N)--J
1500 TI=TI-1:GOSUB1580:G=G+1
1510 PRINT@A0,CHRS(31);:GOSUB2920:GOTO960
1520 PRINT@0,CHRS(30):PRINT@128,CHRS(30);:PRINT@64,"ENTER + OR - AND CHANGE IN QUANTITY---> ";
1530 GL=-5:GOSUB510:IFCF=0THENCHS=INS:GOTO1200
1540 IQ=IQ+VAL(CHS):TC#=#TC#+IC*VAL(CHS):TP#=#TP#+IP*VAL(CHS):TB#=#TB#+IK*VAL(CHS):GOSUB3520:GOTO1480
1550 RETURN
1560 TM#=#TM#+P1*IP:TY#=#TY#+P1*IP:RETURN
1570 TM#=#TM#+P1*IP:TY#=#TY#+P1*IP:RETURN
1580 TC#=#TC#+IQ*IC:TP#=#TP#+IQ*IP:TR#=#TR#+IO*IC:TB#=#TB#+IK*IQ:RETURN
1590 TC#=#TC#+IQ*IC:TP#=#TP#+IQ*IP:TR#=#TR#+IO*IC:TB#=#TB#+IK*IQ:RETURN
1600 CLS:PRINTTAB(22)"ENTER GOODS RECEIVED":PRINTTAB(22)STRINGS(20,CHRS(131)):PRINT:GOTO1620
1610 CLS:PRINTTAB(22)"ENTER ORDERS PLACED":PRINTTAB(22)STRINGS(19,CHRS(131)):PRINT
1620 PRINT@AF,CHRS(31);:GOSUB2920
1630 GOSUB490
1640 PRINT@A0;:GL=6:GOSUB510:IFCF=0THENISS=INS:GOTO1550
1650 GOSUB2030
1660 IFK=0THENPRINT@288,"** ITEM NOT ON FILE **":GOSUB2910:GOSUB2920:GOTO1630
1670 GOSUB3340
1680 IFSS="F"THEN1790
1690 PRINT@128,"QUANTITY RECEIVED: ";CHRS(30);
1700 GL=-5:GOSUB510:IFCF=0THENGOSUB1580:IQ=IQ+VAL(INS):IO=IO+VAL(INS)ELSE1630
1710 IFIO<0THENIO=0
1720 PRINT@128,"NEW SELLING PRICE (HIT <NEW LINE> IF NO CHANGE): ";CHRS(30);
1730 PRINT@A3,STRINGS(7," ");:PRINT@A3;:GL=-7:GOSUB510:IFCF<>0THEN1630ELSEIFINS="*THENPRINT@A3,USINGL1$;IP;:GOTO1750
1740 IFCF=0THENIP=VAL(INS)ELSE1720
1750 PRINT@128,"NEW COST PRICE (HIT <NEW LINE> IF NO CHANGE): ";CHRS(30);
1760 PRINT@A7,STRINGS(7," ");:PRINT@A7;:GL=-7:GOSUB510:IFCF<>0THEN1630ELSEIFINS="*THENPRINT@A7,USINGL1$;IC;:GOTO1780
1770 IFCF=0THENIC=VAL(INS)ELSE1750
1780 GOSUB1590:GOSUB3020:GOSUB2920:GOSUB3520:GOTO1630
1790 PRINT@128,"QUANTITY ORDERED: ";CHRS(30);
1800 GL=-5:GOSUB510:IFCF<>0THEN1630ELSEGOSUB1580:IO=IO+VAL(INS)
1810 GOTO1780
1820 CLS:PRINTTAB(25)"PRINTED REPORTS":PRINTTAB(25)STRINGS(15,CHRS(131)):PRINT
1830 PRINT"OPTIONS:
1 - PRICE LIST
2 - STOCK STATUS REVIEW
3 - LISTING OF NOT-IN-STOCK ITEMS
4 - LISTING OF ITEMS ON ORDER
5 - LISTING OF ITEMS LESS THAN MINIMUM BALANCE
6 - LISTING OF ITEMS BY SUPPLIER"
1840 PRINT"7 - STOCK TAKE SHEET
8 - STOCK TAKE ANALYSIS
@ - EXIT TO MAIN MENU"
1850 PRINT:PRINT"SELECT OPTION --> ";
1860 GH=0:GL=-1:GOSUB510:IFCF=1THENRETURNELSEOS=INS:IFOS<"1"OROS<"8"THENPRINTCHRS(8);:GOTO1860
1870 O=VAL(OS):CC=0:IFO=1THENGOSUB3680
1880 IFO=8THEN4650
1890 PRINT:PRINT"ENTER DESIRED PREFIX (OR HIT <NEW LINE> FOR ALL ITEMS): ";:GL=2:GOSUB510:KS=INS
1900 POKE16425,0:GOSUB4430:GOSUB4270
1910 GOSUB3710:GOSUB3670
1920 ONOGOSUB4040,4110,4140,4170,4200,4230,4610
1930 IFO<1ANDO<7THENGOSUB3550:GOTO1950
1940 IFO=1THENGOSUB4450
1950 FORN=1TOTN-1
1960 J=C(N):IFSGN(J)=-1THEN1990
1970 ONOGOSUB4050,4120,4150,4180,4210,4250,3650
1980 ENS=INKEYS:IFENS="@"THENLPRINT" * TERMINATED *":N=TN-1
1990 NEXT
2000 LPRINT" * LPRINT" ITEMS LISTED ";TAB(49)USINGL0$;TT:GOSUB4380
2010 IFCC=0ANDO<4THENLPRINT"COST VALUE OF LISTED ITEMS ";TAB(40);USINGL6$;T1#
2020 IFO<>4THENLPRINT"RETAIL VALUE OF LISTED ITEMS ";TAB(40);USINGL6$;T2#:GOSUB4380

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2030 IFO=1ANDCC=0THENLPRINT"BULK VALUE OF LISTED ITEMS:";TAB(40)USINGL6S;T4#
2040 IFO=1ANDC<7THENLPRINT"COST OF ABOVE GOODS ON ORDER ";TAB(40);USINGL6S;T3#;GOSUB4380
2050 IFO=2THENLPRINT"TOTAL SALES THIS MONTH (ALL ITEMS)";TAB(40)USINGL6S;T#
2060 IFO=2THENLPRINT"TOTAL SALES YR TO DATE (ALL ITEMS)";TAB(40)USINGL6S;TY#
2070 GOSUB4030;GOTO1820
2080 GOSUB3100;GOSUB3130;GOSUB3140;RETURN
2090 GOSUB2990;GOSUB3070;GOSUB3080;RETURN
2100 REM INITIALIZE NEW SYSTEM
2110 TC#=0;TP#=0;TB#=0;TM#=0;TY#=0;TR#=0;TI=0;TN=1;HI=0;HN=1;G=0;ER=1
2120 RETURN
2130 CLS:PRINTTAB(22)"ENTER SALES DOCKETS":PRINTTAB(22)STRINGS(19,CHRS(131)):PRINT
2140 H=HN;HC=0
2150 IFHI<1200THEN2170
2160 CLS:PRINT@448,"SALES FILE IS FULL (1200 ITEMS). USE MENU OPTION 'D' TO POST
SALES AND CLEAR THE FILE":GOSUB2910;RETURN
2170 GOSUB490
2180 PRINT@259,"ITEM NUMBER ";CHR$(191);" ";CHR$(191),CHR$(31);:GOSUB2960
2190 IFHC<>0THENPRINT@297,"(LAST ENTRY: ";HAS;")";
2200 PRINT@275;
2210 GL=6;GOSUB510:IFCF=0THENHAS=IN$ELSERETURN
2220 GOSUB500:PRINT@384,"QUANTITY SOLD : ";
2230 GL=-4;GOSUB510:IFCF=0THENHB=VAL(IN$)ELSE2170
2240 PRINT@512,"AT RETAIL PRICE OR BULK PRICE? (R/B) ";CHR$(31);
2250 GL=1;GOSUB510:IFCF=0THENITS=IN$ELSE2170
2260 IFITS=" "THENITS="R"
2270 IFITS<>"B"ANDITS<>"R"THEN2240
2280 GOSUB2770;GOSUB2810;GOSUB2780;GOSUB2790
2290 HI=HI+1;HN=HN+1;H=HN;HC=1;GOTO2150
2300 CLS:PRINTTAB(13)"POST SALES DOCKETS/CLEAR SALES FIGURES":PRINTTAB(13)STRINGS(38,CHRS(131)):PRINT
2310 PRINT@128,"FUNCTIONS:

1 - POST SALES DOCKETS
2 - CLEAR M.T.D. SALES FIGURES FROM EACH STOCK ITEM
3 - CLEAR M.T.D. AND Y.T.D. SALES FIGURES FROM EACH ITEM

@ - EXIT TO MAIN MENU":PRINT
2320 PRINT"SELECT FUNCTION > ";
2330 GH=0;GL=-1;GOSUB510:IFCF=1THENRETURNELSEHOS=INS:IFHOS<"1"ORHOS>"3"THENPRINTCHR$(8);:GOTO2330
2340 PRINT" ARE YOU SURE (Y/N)";GL=1;GOSUB510:IFINS<>"Y"THEN2300
2350 ONVAL(HOS)GOTO2360,2650,2670
2360 GOSUB4430
2370 IFHI=0THENCLS:PRINT@460,"NO UNPOSTED SALES DOCKETS IN FILE":GOSUB2910;GOTO2300ELSEGOSUB2530
2380 PRINT@320,CHRS(131):PRINT@468,"POSTING IN PROGRESS";CHR$(31)
2390 HT=HI;HC#=0;HK#=0;HV#=0
2400 FORH=1TOHI
2410 GOSUB2770;GOSUB2810;GOSUB2820;ISS=HAS
2420 GOSUB2830;IFK=0THENGOSUB2560;GOTO2510
2430 GOSUB2990;GOSUB3070;GOSUB3080
2440 IFH3$="B"THENI=K:HK#=HK#+HB*IKELSEI=IP:HC#=HC#+HB*IP
2450 P1=I+HB:P2=I+HB:HV#=HV#+HB*IC
2460 TM#=TM#+HB*I:TY#=TY#+HB*I
2470 IQ=I-HB:TC#=TC#+HB*IC:TP#=TP#+HB*IP:IFIQ<0THENGOSUB2580
2480 LPRINTISS;" ";IAS;" ";IDS;" ";ITS;" ";USINGL1S;I;:LPRINT" ";H3$;" ";USINGL0S;HB;
2490 LPRINTUSINGL0S;IQ;:LPRINTUSINGL0S+"##";:P1;P2
2500 GOSUB3020;HT=HT-1:PRINT@596,"DOCKETS REMAINING : ";HT
2510 NEXT:GOSUB2590
2520 HI=0;HN=1;GOTO2300
2530 GOSUB3670;LPRINTCHR$(14);TAB(2)"SALES DOCKET POSTING REPORT ";DTS;CHR$(15):LPRINTLFS
2540 LPRINT"Item Description T Selling Qty New Sold Sold"
2550 LPRINT"Number D X Price Sold Bal MTD YTD":RETURN
2560 LPRINTCHR$(14);"ERROR:";CHR$(15);" ITEM NUMBER ";HAS;" IS NOT IN STOCK FILE AND WAS NOT POSTED":LPRINTLFS
2570 RETURN
2580 LPRINTCHR$(14);"NOTE:";CHR$(15);" ITEM NUMBER ";HAS;" NOW HAS A QUANTITY OF ";IQ:LPRINTLFS:RETURN
2590 LPRINT" ";LPRINT"NUMBER OF ITEMS POSTED : ";HI-HT
2600 LPRINT"REVENUE FROM RETAIL SALES : ";USINGL6S;HC#
2610 LPRINT"REVENUE FROM BULK SALES : ";USINGL6S;HK#
2620 LPRINT"TOTAL REVENUE : ";USINGL6S;HK#+HC#
2630 LPRINT" ";LPRINT"TOTAL COST OF GOODS SOLD: ";USINGL6S;HV#
2640 GOSUB4030;RETURN
2650 CLS:PRINT@463,"CLEARING MONTH TO DATE SALES FIGURES"
2660 GOSUB2690;GOTO2300
2670 CLS:PRINT@458,"CLEARING MONTH-TO-DATE AND YEAR-TO-DATE SALES FIGURES"
2680 GOSUB2690;GOTO2300
2690 FORJ=1TOTN-1
2700 GOSUB2990;GOSUB3070;GOSUB3080
2710 IFHOS="3"THENP2=0
2720 PRINT@630,J
2730 P1=0
2740 GOSUB3020;NEXT
2750 TM#=0:IFHOS="3"THENTY#=0
2760 RETURN
2770 HR=INT((H-1)/28)+1;HD=H-28*INT((H-1)/28)-1
2780 DEF FIELD#1,HD*9 AS D$,6 AS H1$,2 AS H2$,1 AS H3$,(28-HD-1)*9 AS DYS:RETURN
2790 LSETH1$=HAS;RSETH2$=MKIS(HB):LSETH3$=ITS
2800 IFPV+HR-1>QVTHEN4365ELSEPUT#1,PV+HR-1:RETURN
2810 IFPV+HR-1>QVTHEN4365ELSEGET#1,PV+HR-1:RETURN
2820 HAS=H1$;HB=CVI(H2$):RETURN
2830 NL=0;NH=TN
2840 K=INT((NH-NL)/2):IFK=0THENRETURNELSEN=K+NL
2850 J=ABS(C(N)):GOSUB3100;GOSUB3130:IFISS+STRINGS(6-LEN(ISS)," ")=N$THENISS=N$:GOTO2880
2860 IFISS+STRINGS(6-LEN(ISS)," ")<N$THENNH=N$:GOTO2840
2870 NL=N:GOTO2840
2880 IFSGN(C(N))=-1THENK=0:RETURNELSERETURN
2890 PRINTTAB(10)"HIT @ TO RETURN TO MAIN MENU --> ";
2900 GL=1;GOSUB510:IFCF=1THENRETURNELSEPRINTCHR$(8);:GOTO2900
2910 FORT=1TO2500:NEXT:RETURN
2920 PRINT@256,"A. ITEM NUMBER ";CHR$(191);" ";CHR$(191);CHR$(31)
2930 PRINT@360,"B. ADN CODE";:PRINT@384,"C. DESCRIPTION":PRINT@D. SELLING PRICE
F. QTY ON HAND
H. COST PRICE
J. MIN. BALANCE
L. SUPPLIER"
2940 PRINT@488,"E. BULK PRICE";:PRINT@552,"G. TAX CODE";:PRINT@616,"I. LOCATION";:PRINT@680,"K. QTY ON ORDER";
2950 PRINT@768,"M. SALES MTD
N. SALES YTD"
2960 FORI=209TO218:POKE15360+I,176:NEXTI
2970 FORI=337TO346:POKE15360+I,131:NEXTI
2980 RETURN
2990 JR=INT((J-1)/4)+1;JD=J-4*INT((J-1)/4)-1

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3000 DEF FIELD #3,(JD*63) AS DS,1 AS FAS,25 AS FDS,4 AS FPS,4 AS FKS,4 AS FQS,1 AS FTS,4 AS FCS
3010 DEF FIELD #3,(JD*63)+43 AS DS,2 AS FLS,2 AS FRF,4 AS FOS,4 AS FVS,4 AS PLS,4 AS P2S,(4-JD-1)*63 AS DYS:RETURN
3020 LSETFDS=IDS:RSETFQS=MKSS(IQ):RSETFCS=MKSS(IC)
3030 RSETFPS=MKSS(IP):LSETFLS=ILS:RSETFRF=MKSS(IRF)
3040 RSETFOS=MKSS(IO):LSETFVS=IVS:RSETPLS=MKSS(P1):RSETP2S=MKSS(P2)
3050 LSETFAS=IAS:LSETFIS=ITS:LSETFKS=MKSS(IK)
3060 IFPD+JR-1>QDTHEN4365ELSESEPUT #3,PD+JR-1:RETURN
3070 IFPD+JR-1>QDTHEN4365ELSESEGET #3,PD+JR-1:RETURN
3080 IAS=FAS:IDS=FDS:IK=CVS(FKS):IQ=CVS(FQS):IC=CVS(FCS):IP=CVS(FPS):ILS=FLS
3090 ITS=FTS:IRF=CVI(FRS):IO=CVS(FOS):IVS=CVS(FVS):P1=CVS(P1S):P2=CVS(P2S):RETURN
3100 JR=INT((J-1)/42)+1:JD=J-42*(JR-1)-1
3110 DEF FIELD #2,(JD*6) AS DS,6 AS NS,((42-JD-1)*6) AS DYS:RETURN
3120 LSETNS=ISS:IFPS+JR-1>QDTHEN4365ELSESEPUT #2,PS+JR-1:RETURN
3130 IFPS+JR-1>QDTHEN4365ELSESEGET #2,PS+JR-1:RETURN
3140 ISS=NS:RETURN
3150 DEF FIELD #1,8 AS IS,8 AS I0S,8 AS I1S,8 AS J2S,8 AS I2S,8 AS J3S,8 AS J4S,2 AS I3S
3160 DEF FIELD #1,58 AS DS,2 AS I4S,2 AS I5S,2 AS I6S,2 AS I7S,8 AS I8S,25 AS I9S,1 AS J1S:RETURN
3170 GOSUB3150:GET #1,PT
3180 TC=CVD(I0S):TP=CVD(I1S):TR=CVD(I2S):TI=CVI(I3S):HI=CVI(I4S):TN=CVI(I5S):HN=CVI(I6S):G=CVI(I7S):PWS=I8S:CNS=I9S:STS=J1S
3190 TB=CVD(J2S):TM=CVD(J3S):TY=CVD(J4S):OE=TN
3194 FORW=1TO7:IFRIGHTS(PWS,1)=" "THENPWS=LEFTS(PWS,LEN(PWS)-1)
3196 NEXTW
3200 IFTI=ORLOF(1)=ORIS<>"SCPSDATA"THENGOTO3750ELSERETURN
3210 RESTORE:READNC:DIMSXS(NC),SX(NC):FORI=1TONC:READSXS(I):NEXTI
3220 READA0,A1,A2,A3,A4,A5,A6,A7,A8,A9,AA,AB,AC,AD,AE,AF,L0S,L1S,L6S,L7S
3230 N3=0:FORN=1TOTN-1:N1=INT((N-1)/127)+1:IFN1<N3THENN3=N1:GET#1,PI+N1-1:PRINT@500,N;
3240 N2=N-(N1-1)*127-1:DEF FIELD #1,(N2*2) AS DXS,2 AS DCS
3250 G=USR0(0):C(N)=CVI(DCS):NEXTN:RETURN
3260 N3=1:FORN=1TOTN-1:N1=INT((N-1)/127)+1:IFN3<N1THENPUT #1,PI+N3-1:N3=N1:PRINT@500,N;
3270 N2=N-(N1-1)*127-1:DEF FIELD #1,(N2*2) AS DXS,2 AS DCS
3280 G=USR0(0):LSETDCS=MKIS(C(N)):NEXTN:PUT #1,PI+N1-1:RETURN
3290 GOSUB3150:LSETI0S=MKDS(TC):LSETI1S=MKDS(TP):LSETI2S=MKDS(TR)
3300 LSETI3S=MKIS(TI):LSETI4S=MKIS(HI):LSETI5S=MKIS(TN)
3310 LSETI6S=MKIS(HN):LSETI7S=MKIS(G):LSETI8S=PWS:LSETI9S=CNS:LSETJ1S=STS
3320 LSETJ2S=MKDS(TM):LSETJ3S=MKDS(TM):LSETJ4S=MKDS(TY):LSETIS="SCPSDATA"
3330 PUT #1,PT:RETURN
3340 GOSUB2990:GOSUB3070:GOSUB3080:PRINT@A0,ISS;:GOSUB3520:RETURN
3350 DATA275,376,403,467,504,531,568,595,632,659,696,723,787,851,1000,192
3360 PRINT@AF,CHRS(30):RETURN
3370 DATA"#####"
3380 DATA"#####"
3390 DATA"SS#,###,###.##"
3400 DATA"###.#"
3410 PRINT@AF,"GROSS PROFIT=";:GOSUB3420:GOTO3460
3420 IFIP=THENB=0:GOTO3450ELSEB2=0:FORI=1TONC:IFITS=SKS(I)THENB2=SKS(I):NEXTIELSENEXTI
3430 B1=IC:IFSTS="U"THENB1=(1+B2/100)*B1
3440 B=(IP-B1)/IP*100
3450 RETURN
3460 IFIP=ORB>100ORB<0THENPRINT"*****";:RETURN
3470 PRINTUSINGL7S;B;:PRINT" %";:RETURN
3480 IFCC=1THENLPRINT" *****";:RETURN
3490 GOSUB3420
3500 IFIP=ORB>100ORB<0THENLPRINT" *****";:RETURN
3510 LPRINT" ";:USINGL7S;B;:RETURN
3520 PRINT@A1,IAS;:PRINT@A2,IDS;:PRINT@A3,USINGL1S;IP;:PRINT@A4,USINGL1S;IK;:GOSUB3410
3530 PRINT@A5,IQ;:PRINT@A6,ITS;:PRINT@A7,USINGL1S;IC;:PRINT@A8,ILS;:PRINT@A9,IRF;:PRINT@AA,IO;:PRINT@AB,IVS;:GOSUB4530
3540 RETURN
3550 LPRINT"Item A Supl";TAB(45);"Min On On Loc Unit Sold Sold NMO"
3560 LPRINT"Number D Des c r i p t i o n Bal Hand Order Cost Month YTD"
"
3570 LPRINT" ":RETURN
3580 GOSUB4380:LPRINTISS;" ";IAS;" ";IVS;" ";IDS;USINGL0S+" ";IRF;IQ;IO;
3590 LPRINT" ";ILS;" ";USINGL1S;IC;
3600 LPRINT" ";USING#####";P1;P2;
3610 LPRINT" ";:IFIQ<0THENLPRINT"N";ELSELPRINT"-";
3620 IFIQ=IRFTHENLPRINT"M";ELSELPRINT"-";
3630 IFIO>0THENLPRINT"O"ELSELPRINT"-";
3640 RETURN
3650 GOSUB2080:IFKS<>" "THENIFLEFTS(ISS,LEN(KS))<>KSTHENRETURN
3660 GOSUB2890:GOSUB4280:GOSUB4380:LPRINTISS;" ";IAS;" ";IDS;" ";ILS;" ";STRINGS(20,".");" ";USINGL0S;IQ:RETURN
3670 LPRINTCHRS(14),CHRS(25),CNS:RETURN
3680 CLS:PRINT@456,"DO YOU WANT TO SUPPRESS COST AND PROFIT FIGURES ? ";
3690 GL=1:GOSUB510:IFINS<>" "ANDINS<>" "THENPRINTCHRS(8);:GOTO3690
3700 IFINS=" "THENCC=0:RETURNELSECC=1:RETURN
3710 PRINT@128,CHRS(31):PRINT@470,"** PRINTING ***":RETURN
3720 GOSUB3210:IFER=1THENINS="A":GOTO440
3730 PRINT@128,CHRS(31);
3740 GOTO340
3750 PRINT@448,CHRS(30);CHRS(29);"STOCK CONTROL & PRICING SYSTEM - INITIALIZATION":PRINT
3760 PRINT@576,"ENTER COMPANY NAME: ";CHRS(31);:GL=25:GOSUB510:IFINS=" "THENPRINTSTRINGS(25,CHRS(24));CNSELSECNS=INS
3770 PRINT:PRINT"SALES TAX FACILITY TO BE USED (I.E. SALES TAX IS ADDED TO THE COST PRICE FOR EACH ITEM, BEFORE G. P. MARGIN IS CALCULATED)
... 'U' = TO BE USED ... ' ' = NOT TO BE USED
";
3780 GL=1:GOSUB510:IFINS<>" "ANDINS<>" "THENPRINTCHRS(8);:GOTO3780
3790 IFINS=" "THENPRINTSTSESTS=INS
3800 PRINT:PRINT"ENTER SECURITY PASSWORD
(IF FEATURE NOT REQUIRED, ENTER SPACES) ";:GL=8:GOSUB510:IFINS=" "THENPRINTPWSELSEPWS=INS
3810 IFTI=ORLOF(1)=0THENGOSUB2110
3820 PRINT:PRINTTAB(10)"ABOVE INFORMATION CORRECT (Y/N) ? ";:GL=1:GOSUB510:IFINS<>" "THENPRINT@448,CHRS(31):GOTO3760
3825 IF PWS=" " THEN PWS=" "
3830 GOSUB3290:CLS:RETURN
3840 PRINT"NUMBER OF ITEMS CURRENTLY ON DISKETTE: ";USINGL0S;TI
3850 PRINT"NUMBER OF UNPOSTED DOCKETS: ";USINGL0S;HI
3860 PRINT"TOTAL RETAIL VALUE : ";USINGL6S;TP#
3870 PRINT"TOTAL BULK VALUE : ";USINGL6S;TB#
3880 PRINT"TOTAL COST VALUE : ";USINGL6S;TC#
3890 PRINT"TOTAL VALUE OF ITEMS ORDERED: ";USINGL6S;TR#
3900 PRINT"TOTAL VALUE OF SALES M-TO-DT: ";USINGL6S;TM#
3910 PRINT"TOTAL VALUE OF SALES YR-T-DT: ";USINGL6S;TY#
3920 RETURN
3930 IFG=0THENC(J)=J:RETURN
3940 FORN=1TOTN-1
3950 IFSGN(C(N))=-1THENC(N)=ABS(C(N)):J=C(N):TN=TN-1:G=G-1:RETURN
3960 NEXT:RETURN
3970 PRINT@463,"ENTER SECURITY PASSWORD ---> ";
3980 PS="":FORX=1TO8
3990 PES=INKEYS:IFPES=" "THEN3990ELSEIFASC(PES)=13THENX=8:NEXTX:RETURN
4000 IFPES<" "ORPES>" "THEN3990
4010 PS=PS+PES:PRINTCHRS(143);:GOTO4020

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4020 NEXT:RETURN
4030 LPRINT " :LPRINTCHR$(14); "END OF LISTING";CHR$(15):LPRINTCHR$(12):RETURN
4040 LPRINTCHR$(14);CHR$(25);"PRICE LIST ";DTS;CHR$(15):RETURN
4050 GOSUB2080:IFK$<>"THENIFLEFT$(ISS,LEN(K$))<>K$THENRETURN
4060 GOSUB2090:GOSUB4380:GOSUB4280:LPRINTISS;" :IAS;" :IDS;" :;IT$;" :;USINGL1$+" :;IP;IK;
4070 IFCC=1THENLPRINT:RETURN
4080 LPRINTUSINGL0$+" :;IQ;
4090 LPRINTUSINGL1$+" :;IC;:GOSUB3490
4100 LPRINT " :;IV$:RETURN
4110 LPRINTCHR$(14);CHR$(28);"STOCK STATUS REPORT ";DTS;CHR$(15):RETURN
4120 GOSUB2080:IFK$<>"THENIFLEFT$(ISS,LEN(K$))<>K$THENRETURN
4130 GOSUB2090:GOSUB3580:GOSUB4280:RETURN
4140 LPRINTCHR$(14);CHR$(28);"LISTING OF NOT-IN-STOCK ITEMS ";DTS;CHR$(15):RETURN
4150 GOSUB2080:IFK$<>"THENIFLEFT$(ISS,LEN(K$))<>K$THENRETURN
4160 GOSUB2090:IFIQ>0THENRETURNELSEGOSUB3580:GOSUB4280:RETURN
4170 LPRINTCHR$(14);CHR$(28);"LISTING OF ITEMS ON ORDER ";DTS;CHR$(15):RETURN
4180 GOSUB2080:IFK$<>"THENIFLEFT$(ISS,LEN(K$))<>K$THENRETURN
4190 GOSUB2090:IFIO<=0THENRETURNELSEGOSUB3580:GOSUB4280:RETURN
4200 LPRINTCHR$(14);CHR$(28);"ITEMS LESS THAN MINIMUM BALANCE ";DTS;CHR$(15):RETURN
4210 GOSUB2080:IFK$<>"THENIFLEFT$(ISS,LEN(K$))<>K$THENRETURN
4220 GOSUB2090:IFIQ>0THENRETURNELSEGOSUB3580:GOSUB4280:RETURN
4230 GOSUB4290:GOSUB3710:LPRINTCHR$(14);CHR$(28);"LISTING OF ITEMS BY SUPPLIER: ";IX$;" :;DTS;CHR$(15)
4240 RETURN
4250 GOSUB2080:IFK$<>"THENIFLEFT$(ISS,LEN(K$))<>K$THENRETURN
4260 GOSUB2090:IFLEFT$(IV$,LEN(IX$))<>IX$THENRETURNELSEGOSUB4280:GOSUB3580:RETURN
4270 TT=0:T1#=0:T2#=0:T3#=0:T4#=0:RETURN
4280 TT=TT+1:T1#=T1#+IQ*IC:T2#=T2#+IQ*IP:T3#=T3#+IO*IC:T4#=T4#+IK*IQ:RETURN
4290 CLS:PRINT#450;"ENTER ENOUGH LETTERS TO IDENTIFY VENDOR--> ";
4300 GL=6:GOSUB510:IX$=IN$:RETURN
4310 REM ERROR HANDLING ROUTINE
4320 IFERR/2+1=33THENCLS:PRINT#450;"SCPS REQUIRES MINIMUM OF 2 DISK DRIVES - 0 AND 1":CLEAR50:END
4330 IFERR/2+1=27THENCLS:PRINT#450;"DISK IN DRIVE #1 IS WRITE PROTECTED - RUN TERMINATED":CLEAR50:PRINT:PRINT:END
4340 IFERR/2+1=34ORERR/2+1=26THENCLS:PRINT#450;"DISK I/O ERROR - RE-RUN PROGRAM.
IF ERROR PERSISTS, USE BACKUP COPY OF DISK":GOSUB2910:GOTO470
4350 IFERR/2+1=29THENCLS:PRINT#450;"NO DISK IN DRIVE #1 - RUN TERMINATED":CLEAR50:PRINT:PRINT:END
4360 PRINT:PRINTCHR$(30);"UNEXPECTED ERROR CODE ";ERR/2+1;" IN LINE";ERL:GOSUB2910:GOTO480
4365 PRINT:PRINTCHR$(31);"DATA HAS BEEN CORRUPTED ON DATA DISK
GO BACK TO BACK-UP DISK & REPROCESS.":CLEAR50:END
4370 POKE16426,1:CLEAR50:LOAD 335,R
4380 IFPEEK(16425)<59THENRETURNELSELPRINTCHR$(12):GOSUB3670
4390 ONOGOSUB4040,4110,4140,4170,4200,4230,4610
4400 IFO=1THEMGOSUB4450:RETURN
4410 IFO=0THEMGOSUB4740:RETURN
4420 GOSUB3550:RETURN
4430 PRINT:PRINT"TURN PRINTER ON, AND ALIGN PAPER AT TOP OF PAGE":PRINT"HIT SPACE BAR WHEN READY";CHR$(30);
4440 GL=1:GH=0:GOSUB510:RETURN
4450 LPRINT;"Item A";TAB(37);"T Selling Bulk ";
4460 IFCC=1THENLPRINT:GOTO4490
4470 LPRINT" On Cost GP% ";
4480 LPRINT"Supl "
4490 LPRINT"Number D Description X Price Price ";
4500 IFCC=1THENLPRINT:RETURN
4510 LPRINT"Hand Price"
4520 LPRINT":RETURN
4530 PRINT#771;"SALES MTD ";P1;
4540 PRINT#835;"SALES YTD ";P2;
4550 RETURN
4560 CLS:PRINT#448;"COMPANY NAME IS: ";CHR$(34);CNS;CHR$(34):PRINT:PRINT"SALES TAX FACILITY (TAX ADDED TO COST PRICE BEFORE
CALCULATING G.P.%) ";CHR$(34);STS;CHR$(34);" ";
4570 IFST$="HITENPRINT" (USED) ELSEPRINT" (NOT USED)"
4580 PRINT:PRINT"SECURITY PASSWORD FOR YOUR SYSTEM IS: ";CHR$(34);PWS;CHR$(34)
4590 PRINT:PRINT"DO YOU WISH TO CHANGE ANY OF THE ABOVE(Y/N)? ";:GL=1:GOSUB510:IFIN$<>"Y"THEMGOSUB350:RETURN
4600 PRINT#192;"
OK - JUST HIT <NEW LINE> TO LEAVE A FIELD UNCHANGED";CHR$(31):PRINT:GOTO3760
4610 LPRINTCHR$(14);CHR$(25);"STOCK COUNT SHEET":LPRINTCHR$(15);"Item A";
4620 LPRINTTAB(37);"Loc S t o c k";STRINGS(21," ");"On"
4630 LPRINT"Number D Description X Price Price";TAB(57);"C o u n t";STRINGS(7," ");"Hand"
4640 LPRINTCHR$(32):RETURN
4650 CLS:PRINTTAB(23)"STOCK TAKE ANALYSIS":PRINTTAB(23)STRINGS(19,CHR$(131))
4660 PRINT:PRINT"THIS OPTION ALLOWS YOU TO KEY IN THE PHYSICAL STOCK COUNT
FOR EACH ITEM, AND TO COMPARE AGAINST THE QUANTITY ON THE
COMPUTER FILE."
4670 PRINT"DIFFERENCES IN QUANTITY (& COST) ARE SHOWN"
4680 GOSUB490:PRINT#576;"DO YOU WISH TO PRINT THIS REPORT (Y/N)? ";:GL=1:GOSUB510:PR=0:IFIN$="Y"THENPR=1
4690 IFCP=1THEN1820
4700 CLS:PRINT" ITEM A DESCRIPTION STOCK COUNT ON HAND +-QTY +-VAL.":PRINT
4710 PRINTSTRINGS(6,CHR$(131));" ";CHR$(131);" ";STRINGS(11,CHR$(131));STRINGS(11," ");
4720 PRINTSTRINGS(11,CHR$(131));" ";STRINGS(7,CHR$(131));" ";STRINGS(5,CHR$(131));" ";STRINGS(6,CHR$(131))
4730 PRINT"(HIT # TO END)";H1#=0:H2#=0:IFPR<1THEN4770ELSEGOSUB4740:GOTO4770
4740 GOSUB3670:LPRINTCHR$(14);CHR$(25);"STOCK TAKE ANALYSIS"
4750 LPRINTCHR$(15);"Item A";TAB(38)"Stock On Hand Qty +/- $"
4760 LPRINT"Number D Description Count On Hand Qty Val.":LPRINTCHR$(32):RETURN
4770 GL=6:GOSUB510:IFCP=0THENISS=IN$ELSEPRINT:GOTO4880
4780 GOSUB2830:IFK=0THENPRINT" ** ITEM NOT ON FILE **":GOTO4770
4790 GOSUB2990:GOSUB3070:GOSUB3080:PRINTTAB(7)IAS;" :;IDS;" :;
4800 GL=5:GOSUB510:IFCP=0THENA=VAL(IN$)ELSEPRINT:GOTO4770
4810 A2=IQ-A:AZ#=AZ*IC
4820 PRINTTAB(44);"USINGL0$;IQ;:PRINTUSINGL0$;AZ;:PRINTUSING"##"+L1$;A2#
4830 IFPR<1THEN4870
4840 LPRINTISS;" :;IAS;" :;IDS;" :;USINGL0$;A;
4850 LPRINT" :;USINGL0$;IQ;:LPRINT" :;USINGL0$;AZ;
4860 LPRINTUSING"##"+L1$;A2#
4870 H1#=H1#+IQ*H2#-H2#+A*IC:GOTO4770
4880 PRINT:PRINT"TOTAL COST VALUE FROM QTY ON HAND ";USINGL6$;H1#:PRINT"TOTAL COST VALUE FROM STOCK COUNT ";USINGL6$;H2#
4890 PRINT"TOTAL GAIN/LOSS";STRINGS(19," ");USINGL6$;H2#-H1#
4900 PRINT:PRINT"HIT SPACE BAR TO CONTINUE";:GL=0:GH=0:GOSUB510
4910 IFPR<1THEN1820
4920 LPRINT" :LPRINT"TOTAL COST VALUE FROM QTY ON HAND ";USINGL6$;H1#
4930 LPRINT"TOTAL COST VALUE FROM STOCK COUNT ";USINGL6$;H2#:LPRINT"TOTAL GAIN/LOSS";STRINGS(19," ");USINGL6$;H2#-H1#
4940 GOSUB4830:GOTO1820
4950 CLS:PRINTTAB(22)"DISK BACKUP UTILITY":PRINTTAB(22)STRINGS(19,CHR$(131)):PRINT
4960 GOSUB490:PRINT#520;"DO YOU WISH TO PROCEED(Y/N)? ";:GL=1:GOSUB510
4970 IFIN$<>"Y"ORCF=1THENRETURN
4980 GOSUB3290:GOSUB3320
4990 CLEAR50:LOAD350,R

```

```
4990 PRINT@128,"INSERT ORIGINAL DISKETTE IN DRIVE 0";CHR$(31)
5000 PRINT:PRINT"& INSERT DUPLICATE DISKETTE IN DRIVE 1
```

```
HIT <NEW LINE> WHEN READY";:GS=""
5005 GS=INKEY$:IFGS="" THEN5005
5010 CLEAR3000:DEFINT A-Z:SS=0:SD=10000:DIMBFS(9)
5020 PRINT@128,CHR$(131):PRINT@448,"FORMATTING DESTINATION DISK";
5030 CMD" F",1
5040 FOR TK=0 TO INT(LOC(1)/10)
5050 PRINT@448,"READING TRACK";TK;STRINGS(20," ");
5060 FOR I=0 TO 9:GETBFS(I),SS+TK*10+I:NEXT
5070 PRINT@448,"WRITING/VERIFYING TRACK";TK;STRINGS(20," ");
5080 FOR I=0 TO 9:PUTBFS(I),SD+TK*10+I:NEXT
5090 NEXT TK:PRINT@640,"DISK BACKUP COMPLETE"
5100 CLEAR50:END
```

```
10 REM - 'SCPSST' - SORT PROGRAM FOR THE SYSTEM-80
20 REM STOCK CONTROL & PRICING SYSTEM
30 REM COPYRIGHT (C) DICK SMITH ELECTRONICS, 1980
35 REM ALL RIGHTS RESERVED
50 POKE16561,64:POKE16562,190
60 CLEAR10000:DEFINT A,C,H-O,T,W:DIMC(1200),ISS(1200)
70 REM DISK SECTOR DEFINITION
80 A=10000:PT=A+5:PI=A+6
90 PS=A+16
100 GOSUB300
```

```
105 DEFUSR0=&H022C
110 X=0:N=TN-1:FORJ=1TON:GOSUB260:G=USR0(0)
120 IFX<>JRTHEGOSUB280:X=JRELSEGOSUB290
130 NEXTJ:PRINT@500,CHR$(30)
140 N3=0:FORJ=1TON:G=USR0(0):N1=INT((J-1)/127)+1:IFN1<>N3THENN3=N1:GET#1,PI+N1-1:PRINT@500,J;
150 N2=J-(N1-1)*127-1:DEF FIELD#1,(N2*2) AS DXS,2 AS DCS
160 C(J)=CVI(DCS):NEXTJ
170 PRINT@468,"SORT IN PROGRESS";CHR$(30)
```

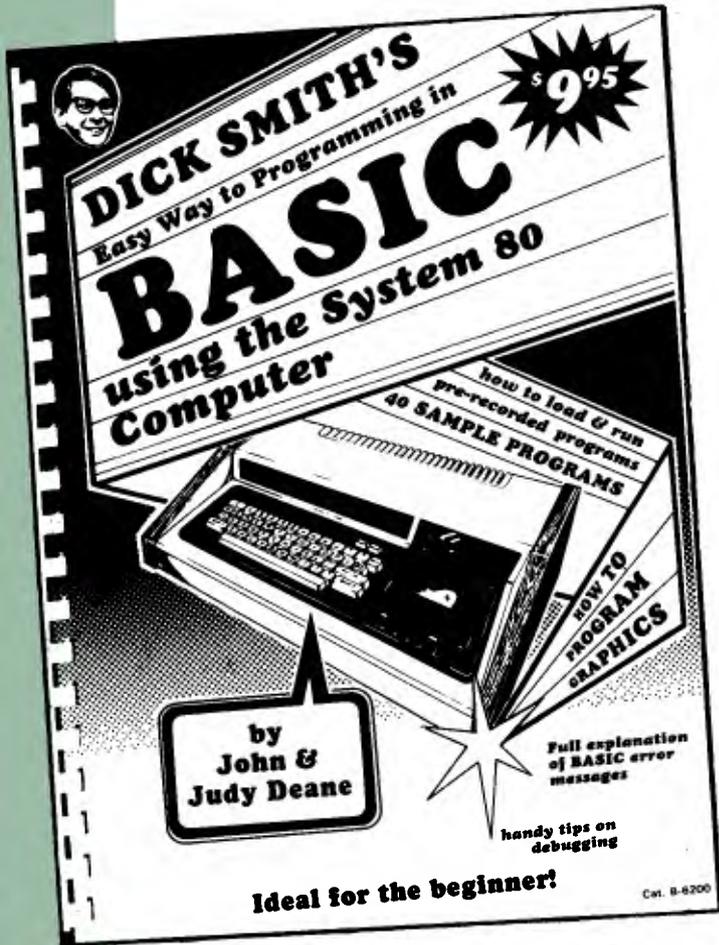
```
180 GOSUB340
190 PRINT@468,"FILE SAVING IN PROGRESS";CHR$(30)
200 N3=1:FORJ=1TON:N1=INT((J-1)/127)+1:G=USR0(0):IFN3<>N1THENPUT#1,PI+N3-1:N3=N1:PRINT@500,J;
210 N2=J-(N1-1)*127-1:DEF FIELD#1,(N2*2) AS DXS,2 AS DCS
220 LSETDCS=MKI$(C(J)):NEXTJ:PUT#1,PI+N1-1
230 PRINT@468,"CORRECT OPERATION VERIFIED";CHR$(30)
240 POKE16561,255:POKE16562,191
250 PRINT@596,"RETURN TO MASTER MENU";CHR$(30):CLEAR50:LOAD240,R
260 JR=INT((J-1)/42)+1:JD=J-42*(JR-1)-1
270 DEF FIELD#2,JD*6 AS DS,6 AS NS,(42-JD-1)*6 AS DYS:RETURN
280 GET#2,PS+JR-1:PRINT@500,J;
290 ISS(J)=NS:RETURN
300 DEF FIELD #1,60 AS DS,2 AS ISS
310 GET#1,PT
320 TN=CVI(I5$)
330 RETURN
```

```
340 REM SORT ROUTINE
350 FORX=(&HBE4A) TO(&HBFC1)
360 READA:POKEX,A:G=USR0(0):NEXTX
370 POKE&HBF4D,N-256*INT(N/256)
380 POKE&HBF4D,INT(N/256)
385 DEFUSR0=&HBE4A
390 X=USR0(0)
395 DEFUSR0=&H022C
400 RETURN
```

```
410 DATA42,251,64,35,35,35,94,35,86,6,0,14,6,9,34,210,191,25,9,34,200,191,42,212,191,41,34,214,191,33,212,191,52,1,0,0,237,67,216,191
420 DATA 221,33,212,191,221,203,0,62,202,126,191,221,203,1,62,17,128,0,42,212,191,40,4,25,34,212,191,41,34,218,191,42,214,191
430 DATA 237,91,218,191,175,237,82,34,220,191,42,218,191,237,91,216,191,237,83,228,191,25,34,226,191,237,91,210,191,25
440 DATA 1,2,0,17,224,191,237,176,42,224,191,205,179,191,34,224,191,237,91,228,191,42,210,191,25,235,213,253,225,253,110,0,253,102,1
450 REM -----
460 DATA205,179,191,237,91,208,191,205,135,191,217,237,91,208,191,42,224,191,205,135,191,197,229,217,209,0,121,193,105,250,246,190,121
470 DATA79,13,6,0,9,235,9,235,71,14,2,26,190,40,6,250,21,191,242,17,191,43,27,16,242,24,8,14,2,24,246,14,1
480 DATA 24,242,62,2,161,194,76,191,42,210,191,237,91,218,191,25
490 REM -----
500 DATA 237,91,228,191,25,235,42,210,191,237,75,228,191,9,1,2,0,237,176,237,91,218,191,42,228,191,175,237,82,195,168,191,40,3,242,195
510 DATA 190,42,210,191,237,91,228,191,25,237,91,218,191,25,235,33,224,191,1,2,0,237,176,42,216,191,17,2,0,25,34,216,191,42,228,191
520 DATA 17,2,0,175,237,82,34,220,191,194,158,190,195,107,190,62,0,221,182,1,194,125,190,201
530 DATA43,229,193,41,9,25,229,221,225,221,102,2,221,110,1,221,78,0,6,0,201,0,0,17,0,25,34,222,191,195,107,190
540 DATA34,228,191,17,2,0,237,90,195,71,191,34,33,65,62,2,50,175,64,205,119,9,42,33,65,201
```


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