

TECH TIP UPDATE DISKETTE
Program File/Tech Tip Cross Reference
Page 1

None = Program on BAS/IDOL Diskette with no Tech Tips referring.
*** = Program on BAS/IDOL Diskette addresses these Tech Tips.

/b:

cutug.eod 52.0 *** 137.0 161.0

/b/BAS/CAP:

CAPDA0	None		
CAPDA1	None		
CAPDA3	None		
CAPDB1	None		
CAPDB2	149.0		
CAPDB4	149.0		
CAPDB8	149.0		
CAPFA4	None		
CAPFA5	None		
CAPIA0	183.0		
CAPRA0	None		
CAPRB0	32.0 ***		
CAPRD0	None		
CAPRE2	81.0 ***		
CAPRG0	142.0		
CAPRG1	None		
CAPRH1	48.1 ***	77.0 ***	156.0
CAPRK0	177.0	186.1	
CAPRK2	None		
CAPRK4	170.0		
CAPRK5	128.0		
CAPRL0	None		
CAPRL1	None		
CAPRL2	None		
CAPUAL	None		
CAPUB0	79.1 ***	97.0	199.0

/b/BAS/CAR:

CARDA0	None		
CARDB0	162.1	201.0	
CARDB1	None		

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CARDC0	None		
CARDC1	None		
CARDC2	None		
CARDC3	None		
CARDC5	165.0		
CARDCA	None		
CARDQ0	None		
CARDQ1	74.0 ***		
CARFA4	56.1 ***		
CARFA5	56.1 ***		
CARIC0	172.0		
CARIE0	70.0 ***		
CARME0	90.2		
CARME1	None		
CARME2	None		
CARRB2	31.0 ***		
CARRD0	73.0 ***	80.1 ***	
CARRE2	155.0		
CARRF0	None		
CARRF1	143.0		
CARRF1.O	140.0		Option to not print zero balance statements (includes 143.0).
CARRF1.S	66.0		Option for 29 day service charges (includes 143.0).
CARRF1.B	66.0		Options 66.0 and 140.0 (includes 143.0).
CARRF2	145.0		
CARSE0	None		
CARUA1	24.1 ***	55.0 ***	
CARUA2	55.0 ***		

/b/BAS/CBI:

CBIDA0	None		
CBIDA1	None		
CBIDA4	200.0		
CBIDA7	None		
CBIDA7.O	113.0		Option for sales tax on freight.
CBIRA0	63.0 ***	70.0 ***	90.2 ***
CBIRA0.O	86.1		Option for blanking list price on invoices; includes all Tech Tips for CBIRA0.

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CBIRB0	72.0 ***	148.0	
CBIRB1	72.0 ***		
CBIRB2	None		
CBIUA0	85.0 ***	134.2	141.0 187.0
CBIUA0.0	86.1		Option for blanking list price on invoices; includes all Tech Tips for CBIUA0.

CBIUA1	85.0 ***	115.0	
CBIUA2	148.0	152.0	
CBIUA3	None		
CBIUA3.0	136.0		Option replacing extract with read and providing key.

/b/BAS/CDS:

CDSDA0	None		
CDSDA3	37.0 ***	111.0	

/b/BAS/CGL:

CGLCTR	None		
CGLDA0	16.1 ***		
CGLDA1	22.1 ***		
CGLDA2	98.0		
CGLRC0	76.0 ***		
CGLRC1	27.1 ***	57.0 ***	160.0
CGLRC2	None		
CGLRE0	178.0		
CGLRE2	178.0		
CGLRF0	64.0 ***	178.0	
CGLRF1	118.0	168.0	178.0
CGLRF1.0	118.0		Option deletes prepaid expenses from ratio calculations for current assets (includes 168.0 & 178.0).
CGLRG0	30.1 ***		
CGLRH0	178.0		
CGLRI0	88.0 ***		
CGLRX0	178.0		
CGLSE0	75.1	107.0	178.0
CGLUA0	87.0 ***	127.1	

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CGLUD0	None	
CGLUE0	None	
CGLUX0	58.0 ***	131.0

/b/BAS/CIC:

CICDB0	132.0	
CICDB0.0	124.1	Option for LIFO/FIFO inventory systems.
CICRA0	153.0	
CICRE0	185.0	
CICRE1	185.0	
CICRI0	89.0	
CICRV0	164.0	
CICUA0	125.0	
CICUC1.0	124.1	Option for LIFO/FIFO inventory systems.
CICUC2	151.0	

/b/BAS/COE:

COEDA0	None	
COEDA4	None	
COEDA6	None	
COEDS1	None	
COEDS3	None	
COEDS4	None	
COEDS8	None	
COEDS9	133.0	
COEDSA	71.0 ***	
COEDSB	None	
COEDSC	None	
COEDSC.0	113.0	Option for sales tax on freight.
COEDSD	147.0	
COEDSE	None	
COEME0	None	
COEME1	174.0	175.0
COEOC1	None	
COEOE1	144.0	176.0
COEOE3	None	
COEOE4	None	
COEOE5	150.0	

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COEOE6	None	
COEOE9	95.0	126.1
COERA0	None	
COERA3	173.0	
COERAA	94.0	102.0
COERB0	None	
COERC1	182.0	
COERD0	112.0	167.0
COERE0	None	
COESE0	103.1	

/b/BAS/CPO:

CPO.UPD

Program to rebuild CPOVK per
Tech Tip 171.1, lines 16-29.

CPODA0	None	
CPODA2	None	
CPODA5	None	
CPODAB	None	
CPODC0	154.0	
CPORA2.0	121.0	
CPORB0	171.1	
CPORC3	139.1	
CPORC4	171.1	
CPORE0	100.0	
CPORH1	None	
CPORJ1	110.0	139.1

Option to display vendor item
number on purchase orders.

/b/BAS/CSA:

CSABH0	None	
CSAMS0	96.4	181.0
CSAMS1	96.4	
CSARH0	None	
CSASH0	166.0	
CSASH1	166.0	

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/b/BAS/CUT:

CUTDA0	None
CUTDA1	None
CUTDA2	None
CUTFC0	None
CUTSP0	None
CUTUK0	None

/b/IDOL/*DE:

*DE068	None
*DE069	None
*DE112	None

/b/IDOL/*FM:

*FM031	None
*FM048	None
*FM049	None
*FM050	None
*FM051	None
*FM052	None
*FM053	None
*FM054	None
*FM056	None
*FM062	None
*FM066	None
*FM067	None
*FM068	None
*FM069	None
*FM090	54.0 ***
*FM095	None
*FM105	None
*FM110	None
*FM120	None
*FM150	None
*FM163	None
*FM165	None

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/b/IDOL/CSY

CSYIN0	None
CSYST0	None
CSYUP0	None

/b/IDOL/CUT:

CUTDEL	None		
CUTDS3	61.0	***	122.0
CUTDSB	None		
CUTER0	59.0	***	
CUTERR	None		
CUTFA0	None		
CUTFA3	None		
CUTFA7	None		
CUTFAL	109.0		
CUTFAN	None		
CUTFAR	None		
CUTFI9	169.0		
CUTFIB	157.0		
CUTFIG	None		
CUTFIH	None		
CUTGB0	None		
CUTLA0	None		
CUTPWD	None		
CUTRF0	None		
CUTRJ0	None		
CUTRM0	None		
CUTRQ0	None		
CUTRR0	82.0		
CUTSA0	60.0	***	92.0 ***
CUTSAL	None		
CUTUHL	None		
CUTUI0	None		
CUTUI1	None		
CUTUJB	None		
CUTUM0	None		
CUTUS0	None		

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/b/IDOL/DAD:

DADSA3 None

/b/IDOL/USR:

DOL None
R165DR None
R165R1 None
UP.CGLBD None

FORTUNE SYSTEMS CORPORATION
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+++ = Not valid after installing 1.7 FOR:PRO Operating System
*** = Not valid after installing 1.1 BAS/IDOL Product Update
%% = Not valid after installing 1.1.1 BAS Payroll Update
\$\$\$ + Not valid after installing version 1.3 of BASIC interpreter
@@@ + Not valid after installing Fortune:Word

BAS - All Applications

28.0 +++ End of Day procedure - 'Mkfs' question explained
43.1 Operator code 'DOL' usage and explanation
51.0 'Real' vs 'Training' data files usage and explanation
52.0 *** End of Day procedure - error messages during back-up
59.0 *** End of Day procedure - system hangs during report printing
65.0 *** Multi-tasking errors in multi-user environments
75.1 Explanation of G/L interface from other BAS applications
76.0 G/L Trial Balance cannot be printed if no transactions
82.0 *** Start of Day procedure displays erroneous calculations
92.0 *** No cursor response on selector screens
101.0 Explanation of 1.1 BAS/IDOL Product Update diskette
109.0 Error 42 during End of Day procedure File Mtnc. Audit Rpt.
116.1 Multiple data bases with BAS
137.0 +++ Error 140 during End of Day procedure
161.0 Change to End of Day procedure for data verification
169.0 Error 0 when using file maintenance option (5)REPORT
184.0 IDOL & BAS backup explanation
203.0 Bas Application S/W. Porting From 32:16 to the Formula.

BAS - Accounts Receivable

24.1 *** Erroneous sales tax calculations during data entry
31.0 *** Error 47 during Sales Journal printing
37.0 *** Error 46 during line item deletion in Invoice Entry
54.0 *** Procedure to allow for more than 99 ship-to addresses
55.0 *** Multiple service charges within same month
56.1 *** Customer Label printing specifications and alignment
62.0 *** Duplicate service charges during statement printing
63.0 *** Invoice Tearoff setting in Installation Information Record
66.0 Change to service charge basis from 59 to 29 days
68.1 Service Charge work file expansion
70.0 *** Line Item Codes with zero sales price
73.0 *** Cash Receipts Journal not page advancing properly
74.0 *** Inaccurate 'stand alone' Delinquent Report
80.0 *** Inaccurate Cash Receipts Journal for multiple terminals
86.2 Suppressing 'list price' column on invoices and memos
90.2 Inaccurate credit memo date
105.0 Sales Journal not posting through to General Ledger
111.0 Error 1 during Invoice Entry
115.0 Error 12 during Invoice Printing update portion
130.1 Title not printing on Sales Journal
140.0 Suppressing zero balance statements
141.0 Invoices and memos for freight only
143.0 Aging criteria for customer statements
145.0 Customer statement printing not purging open file properly
155.0 Printing Aged Trial Balance by company code
162.1 Adjustments Entry for customers beginning with 'C' or 'D'
165.0 Adjustments Entry for Credit Memo results in out of balance
172.0 Customer Inquiry displays reversed signs of On Account Amt.
201.0 Adjustments entry for multiple companies not allowed.

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BAS - Accounts Payable

32.0 *** Open Payables Report lists 'V' vendors incorrecly
33.0 Error 1 during Adjustments Entry procedure
48.1 *** Non-invoice Entry produces out of balance condition
60.0 *** Month-end Update procedure fails if done twice
77.0 *** Error 11 or Error 42 during printing of Check Register
79.0 *** Invoice and Payment Distribution Journals combined
81.0 *** Payment Selection procedure for a negative invoice
97.0 Multiple Month-end Update procedures in one month
128.0 Error 1 during printing of Adjustments Journal
142.0 Error message: 'Check Number Already Issued'
149.0 Error message: 'Invoice Invalid' in Manual Payment Entry
156.0 Check Register 'hangs' system or terminal
170.0 Adjustments Journal update portion 'hangs' system
177.0 Adjustment number incorrecly assigned during entry
183.0 Vendor inquiry does not show pending adjustments properly
186.1 Multiple DR/CR Memos to same vendor on same date
199.0 Disabling G/L is ineffective.

BAS - General Ledger

16.1 *** Error 46 during Journal Entry procedure
22.1 *** Journal Entry procedure results in endless loop
27.1 *** Trial Balance 'doubling'
30.2 *** Chart of Accounts Report produces inaccurate headings
53.0 *** Entering data in field 3 of Closing Period Record
57.0 *** Detail Report 'doubling'
64.0 *** Inaccurate prior period financial statements
75.1 Explanation of G/L interface from other applications
87.0 *** Retained Earnings not clearing during Year-end Closing
88.0 *** Capital Statement printing erroneously
98.0 Error 46 during Journal Entry procedure
107.0 Error message for 6-digit account number
118.0 Incorrect ratio analyses calculations
119.0 Unable to perform G/L Update during Operator Training
127.1 Retained Earnings after Year-end Closing procedure
129.0 Error 11 during G/L Update from other applications
160.0 Detail Report prints erroneous period and data information
168.0 Ratio Anaysis message on Balance Sheet
178.0 Lower case company codes

BAS - Purchase Orders

100.0 Deleted Quantities Report results in an escape to BASIC
110.0 Error 40 during Cost Adjustment Report of Receipts Journal
121.0 Substituting Vendor's Item # for Inventory Item # on P.O.
139.0 Inaccurate cost for inventory with negative on-hand count
154.0 Erroneous data when not printing of Stock Receipts Journal
171.1 Premature deletion of Purchase Orders

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BAS - Order Processing

71.0 *** Error 42 during Direct Sales Entry
72.0 *** Sales Journal not posting through to General Ledger
85.0 *** Error 40 during Invoice Printing
86.2 Suppressing 'list price' column on invoices and memos
89.0 Improper page advance on Customer Contract Report
94.0 Error 42 during printing of Order Status Report
95.0 Error 13 during Order Correction procedure
96.4 Error 1 during Sales Analysis Reports
102.0 Error 11 during printing of Order Status Report
103.1 Error message for Class Codes or Price Categories
112.0 Error 1 during Back Order Release procedures
113.0 Taxation for miscellaneous charges and freight
124.1 Inventory Adjustments for LIFO/FIFO items
125.0 Inventory Items without Bin Locations
126.0 Loss of Order Date after Date Corrections
132.1 Inventory Adjustments not allowing cents for unit cost
133.0 Direct Sales zeroing quantity fields during correction
134.2 Invoices and memos not printing unit of measure
136.0 System hangs during update portion of Invoice Printing
141.0 Invoices and memos for freight only
144.0 Erroneous On Order Amount field in Customer Master file
147.0 Erroneous date on printed invoice for Direct Sales
148.0 Inaccurate processing of voided invoices
150.0 Error 11 during Order Entry with no line items
151.0 Erroneous G/L update for Inventory Adjustments
152.0 Error 42 during update portion of Invoice/Memo Printing
153.0 Inaccurate Critical Inventory Report
164.0 Inaccurate Inventory Value Report
166.0 Error 1 during printing of Sales History reports
167.0 Back Orders not allowing for 5-digit B/O number
173.0 Order Printing by date wanted not flagged as printed
174.0 DR/CR memo entry for non-inventory items with cents
175.0 Sales Analysis class codes not updating with DR/CR Memos
176.0 Sales Order header record has incorrect order amount
181.0 Monthly Sales Reports not paging properly
182.0 Back Ordered Items Reports not paging properly
185.0 Inventory Movement Report by class code
187.1 Invoices not showing subtotal data
200.0 Non-inventory items cents entry during Invoice Entry

BAS - Payroll

44.0 *** %% Inaccurate tax calculations for exempt (99) employees
49.1 *** %% Paychecks have erroneous YTD data for new employees
58.0 *** %% Error 13 during printing of P/R-G/L Distribution Report
84.0 *** %% Inaccurate calculations on employee in multiple depts.
91.0 %% Error 41 or Bad header on Quarter-to-Date Payroll Register

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93.0 *** %% Error 41 during printing of Check Register
99.0 %% Inaccurate departmental to-Date Payroll Registers
106.0 %% Error 26 during Manual/Reverse Check Entry
108.0 %% Erroneous FWT calculations for new employees
114.0 %% Bonus pay not allowing for cents
120.0 %% Inaccurate paging and spacing for Payroll Register
131.0 %% Reverse Check procedure results in inaccurate G/L posting
138.0 %% Error 19 when printing Employee Master Report twice
146.0 %% SDI not printing on W-2's
163.0 %% Inaccurate gross pay on employee paychecks
180.0 %% 941 double spacing
189.0 Error 42 during Installation of Payroll 1.1.1 update
190.2 Incorrect taxes for Bonus pay or multiple time sheets
191.0 Error 2 when printing Payroll Check Register
192.0 Adding Withholding Tax records and Worker's Comp Codes
193.1 Erroneous G/L distribution for certain expenses

IDOL

61.0 *** Memory fault error
78.0 *** Loss of custom selector screens after installing BAS
122.0 Changing data entry screen results in endless loop
157.0 Error 42 after printing or defining report
169.0 Error 0 during use of file maintenance option (5)REPORT
184.0 IDOL & BAS file definition guide and backup explanation

BASIC

1.1 Procedures for establishing additional printers
2.2 Accessing serial ports with BASIC - Error 12 conditions
3.1 Basic/Four and Fortune Systems versions of Business BASIC
4.2 LOCK command usage and explanation
5.1 TABLE function's sensitivity to spaces
6.1 ATH function not working for print statements
7.1 \$\$\$ ATN, FIX, INKEY, LOG, and RND functions result in errors
8.2 'Ghost' and 'Background' tasking
9.1 Mnemonic codes for special attributes
23.2 Floppy disk drive access direct from Business BASIC
36.0 Communications specifications and configurations
83.0 Improper function of the RENAME utility
117.0 Emulating 'ghost' tasking
179.0 Listing a line with 'LIST'.

DISK DRIVES

11.2 Identification and settings for TANDON and SHUGART drives
18.1 Floppy diskette specifications and requirements
29.0 Floppy disk drive access using 'mount' and 'umount' commands
35.0 20 megabyte hard disk diagnostics procedure

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FORTUNE:WORD

14.1 Restrictions for using 'test' as a document or library nam.
34.0 @@@ HELP command missing first letters of command list
38.0 Explanation of 'document doesn't exist' message
39.0 Explanation of INDENT command
40.0 @@@ Printer hangs during document printing
41.0 @@@ <MODE> key problems for special character attributes
42.0 @@@ Entering and editing text - problems explained
67.1 Explanation of page breaks, pagination, and memory
69.0 Transfer of any UNIX or ASCII text file to Fortune:Word
104.0 Requirement to re-install with 1.7 FOR:PRO operating system
123.0 Archiving documents results in out-of-space message
135.0 Printing with draft font on IDS printers

MULTIPLAN

45.1 +++ Banner page - disable/enable via UNIX shellscrip
46.0 +++ Double spacing during printing
47.0 Printer Error message explanation and corrective procedure

MISCELLANEOUS INFORMATION

10.1 System 'hangs' during shutdown procedure
12.1 Passwords forgotten for 'root' and 'manager' logins
13.1 Precautions regarding 'root' and 'manager' logins
14.1 Use of 'test' files and directories
15.1 System 'hangs' during cold boot procedure
17.1 @@@ Alternate printer usage via UNIX shellscrip 'switch'
18.1 Floppy diskette specifications and requirements
19.1 Printer set-up guide
21.1 Cabling diagrams for peripheral equipment
202.0 Installing software without Global Menu

PRINTERS

1.1 Additional printers, IPL settings, UNIX requirements
17.1 @@@ Alternate printer 'switch' settings vial UNIX shellscrip
19.1 Specifications, settings, cabling, connections
21.1 Cabling diagrams
45.1 +++ Banner page - disable/enable via UNIX shellscrip
46.0 +++ Double spacing during printing
47.0 Printer Error message explanation and corrective procedure

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UNIX/FOR:PRO OPERATING SYSTEMS

12.1 Passwords forgotten for 'root' and/or 'manager' logins
14.1 Restrictions for using 'test' as file or directory name
15.1 System 'hangs' during cold boot procedure
17.1 +++ Alternate printer 'switch' settings using shellscrip
20.1 Explanation of power-up sequence
25.1 +++ Installation procedure for 1.2.3 operating system
26.0 Operating System identification
29.0 Floppy disk drive access using 'mount' and 'umount'
50.1 Error message list
158.0 No shutdown required after device table changes
159.0 System 'loops' during 1.7 FOR:PRO cold boot procedure
188.0 Two way modem communications on a single tty port
194.0 Booting up maintenance mode from the flexible disk drive
195.0 Installing FOR:PRO without use of the menu system
196.0 FSCK; File system check usage explained
197.0 Procedure for system failure during power-up sequence
198.0 EAROM settings on Configuration menu explained

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+++ = Rescinded with 'cp' update diskette
*** = Rescinded with 1.1 BAS update diskette
= Rescinded with installation of FORTUNE:WORD

PRINTERS

- 1.1 - Additional printers, IPL settings, UNIX requirements
- 17.1 - Alternate printer 'switch' using UNIX shellscript
- 19.1 - Specifications, settings, cabling, connections, general information
- 21.1 - Cabling diagrams
- 45.1###Banner page - disable/enable via UNIX shellscript
- 46.0###Double spacing during printing
- 47.0 - Printer Error message - explanation and corrective procedure

UNIX

- 12.1 - Passwords forgotten for 'root' and 'manager' login
- 14.1 - Restrictions for using 'test' as a document or library name
- 15.1 - System 'hangs' during cold boot procedure
- 17.1 - Alternate printer usage via shellscript using 'switch'
- 20.1 - Explanation of power-up sequence
- 25.1 - Installation procedure for 1.2.3 version of operating system
- 26.0 - Revision version identification
- 29.0 - Floppy disk drive access using 'mount' and 'umount'
- 50.1 - Error message list

Technical Tips rescinded by release of 1.1 BAS (5/83):

7.1	52.0	68.0	84.0
16.1	53.0	70.0	85.0
22.1	54.0	71.0	87.0
24.1	55.0	72.0	88.0
27.1	56.1	73.0	92.0
28.1	57.0	74.0	93.0
30.2	58.0	76.0	
31.0	59.0	77.0	
32.0	60.0	78.0	
33.0	61.0	79.0	
37.0	62.0	80.0	
44.0	63.0	81.0	
48.1	64.0	82.0	
49.1	65.0	83.0	

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Technical Tips rescinded by release of FORTUNE:WORD:

34.0	42.0
40.0	45.0
41.0	46.0

Technical Tips rescinded by release of Technical Support Center Update
Diskette ('cp' fix and new BASIC interpreter) of April 21, 1983:

7.1
28.0

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<u>TIP #</u>	<u>DESCRIPTION</u>
1.1	Setting up additional printers in Business BASIC. IPL settings defined for UNIX interface.
2.2	Accessing a serial port within BASIC - Error 12 when opening 'T1' when transferring files from another system. IPL files explained and settings defined.
3.1	Summary of major differences between *Basic/Four's BBIII and Fortune's Business Basic.
4.2	Multi-user file level lockout in Business BASIC using the LOCK command. Explanations of LOCK command.
5.1	Business BASIC - TABLE function is sensitive to spaces. May result in syntax errors.
6.1	Business BASIC's ATH function not working when used in PRINT statements.
7.1	The ATN, FIX, INKEY, LOG, and RND functions of Business BASIC result in syntax errors (corrected by 1.1 BAS update disk).
8.2	Business BASIC - simulating 'ghost' and 'background' tasking.
9.1	Business BASIC - Mnemonic codes for attributes (blinking, underline, reverse video, etc.).
10.1	System shutdown "hangs", due to device connections defined though not physically present.
11.2	TANDON vs SHUGART floppy drives - identification procedure and maintenance menu setting.
12.1	Password for 'root' and 'manager' account forgotten.
13.1	Precautions regarding 'manager' account usage.
14.1	Use of 'test' files - results in messages: "test: permission denied" and "test: cannot execute".
15.1	System 'hangs' during cold boot procedure.
16.1	BAS - General Ledger - Journal Entry procedure may result in Error 46 (corrected by 1.1 BAS update disk).
17.1	UNIX - alternate printer usage - software 'switch' via shellscript, allowing use of two printers, but not concurrently.

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TIP #	DESCRIPTION
18.1	Floppy disk specifications required by the Fortune 32:16.
19.1	Printer set-up guide - printer types, switch settings, cabling specifications, signal/pin connections, explanations of UNIX requirements.
20.1	Explanation of power-up sequence.
21.1	Cabling diagrams for printers, modems, and Fortune Intelligent Workstations.
22.1	BAS - General Ledger - Journal Entry procedure 'loops' - (corrected by 1.1 BAS update disk).
23.2	Floppy disk drive access through Business BASIC.
24.1	BAS - Accounts Receivable - erroneous sales tax calculations during Invoice and Receivables Entry procedures (corrected by 1.1 BAS update disk).
25.1	Installation procedure for 1.2.3 Operating Systems.
26.0	UNIX release level identification.
27.1	BAS - General Ledger - Trial Balance 'doubling' (corrected by 1.1 BAS update disk).
28.0	BAS - All applications - End of Day procedure - 'Mkfs' question explained (corrected by 1.1 BAS update disk).
29.0	UNIX - floppy disk drive access using 'mount' and 'umount' commands.
30.2	BAS - General Ledger - Chart of Accounts report date headings incorrect (corrected by 1.1 BAS update disk).
31.0	BAS - Accounts Receivable - Sales Journal results in Error 47 (corrected by 1.1 BAS update disk).
32.0	BAS - Accounts Payable - Open Payables Report lists 'V' vendors incorrectly (corrected by 1.1 BAS update disk).
33.0	BAS - Accounts Payable - Adjustments Entry procedure results in Error 1 (corrected by 1.1 BAS update disk).
34.0	FORTUNE:WORD - Help command - missing first letters of command list - corrective procedure.
35.0	20 megabyte hard disk diagnostics procedure.
36.0	Communications within BASIC - pin/signal/direction specifications and pin/cable configuration.

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TIP #	<u>DESCRIPTION</u>
37.0	BAS - Accounts Receivable - Invoice Entry 'deletion' results in Error 46 (corrected by 1.1 BAS update disk).
38.0	FORTUNE:WORD message "Document Doesn't Exist" - explanation.
39.0	FORTUNE:WORD - 'Indent' command problems explained.
40.0	FORTUNE:WORD - printer hangs during document printing - corrective procedure.
41.0	FORTUNE:WORD - <MODE> key problems for special character attributes - corrective procedures.
42.0	FORTUNE:WORD - entering/editing text - problems explained and corrective procedures.
43.1	BAS - All applications - Operator code 'DOL' explained with procedure for reinstatement.
44.0	BAS - Payroll - Withholding tax calculations for exempt ('99') employees inaccurate (corrected by 1.1 BAS update disk)
45.1	MULTIPLAN - Banner Page Disable/Enable - shellscript procedure.
46.0	MULTIPLAN - Double spacing printing - corrective procedures.
47.0	MULTIPLAN - 'printer error' message tips and corrective procedure.
48.1	BAS - Accounts Payable - Non-Invoice Entry results in an out-of-balance condition when using 'manual' or 'payment' options (corrected by 1.1 BAS update disk).
49.1	BAS - Payroll - Check Printing causes erroneous YTD information for new employees without an EMPLOYEE YTD record (corrected by 1.1 BAS update disk).
50.1	UNIX error message list.
51.0	BAS - All Applications - 'Real' vs. 'Training' data - uses and corrective procedures.
52.0	BAS - All Applications - End of Day procedure results in error messages (corrected by 1.1 BAS update disk).
53.0	BAS - General Ledger - Entering data in Closing Period Record's field 3 RETAINED EARNINGS AMOUNT (corrected by 1.1 BAS update disk)
54.0	BAS - Accounts Receivable - procedure to allow for more than 99 ship-to addresses (corrected by 1.1 BAS update disk).

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<u>TIP #</u>	<u>DESCRIPTION</u>
55.0	BAS - Accounts Receivable - Service Charges not allowed for more than one customer in the same month (corrected by 1.1 BAS update disk).
56.1	BAS - Accounts Receivable - Customer Label Printing specifications and alignment (corrected by 1.1 BAS update disk).
57.0	BAS - General Ledger - Detail Report 'doubling' (corrected by 1.1 BAS update disk).
58.0	BAS - Payroll - Error 13 during P/R-G/L Distribution Report (corrected by 1.1 BAS update disk).
59.0	BAS - All Applications - End of Day procedure - Program Exception Report results in endless loop (corrected by 1.1 BAS update disk).
60.0	BAS - Accounts Payable - Month-end Update procedure fails if done twice in succession (corrected by 1.1 BAS update disk).
61.0	IDOL - memory fault error (corrected by 1.1 BAS update disk).
62.0	BAS - Accounts Receivable - Duplicate service charges if Customer Statements printed twice in same month (corrected by 1.1 BAS update disk).
63.0	BAS - Accounts Receivable - Invoice Tearoff portion prints regardless of setting in Installation Record (corrected by 1.1 BAS update disk).
64.0	BAS - General Ledger - Prior period financial statements print erroneously due to Closing Period Record (corrected by 1.1 BAS update disk).
65.0	BASIC - Multi-tasking indicators not properly handled in multi-user environment (corrected by 1.1 BAS update disk).
66.0	BAS - Accounts Receivable - For Customer statements, an optional change for service charge calculation basic to be 29 days past due, rather than the normal 59 days.
67.0	FORTUNE:WORD - Explanation of page breaks and pagination, with respect to memory requirements.
68.0	BAS - Accounts Receivable - Service charge work file expansion (corrected by 1.1 BAS update disk).
69.0	FORTUNE:WORD - Moving an ASCII file to Word Processing
70.0	BAS - Accounts Receivable - To allow line item codes to have zero dollar sales price (corrected by 1.1 BAS update disk).

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<u>TIP #</u>	<u>DESCRIPTION</u>
71.0	BAS - Order Processing - Direct Sales Entry results in Error 42 if first line item is a miscellaneous charge (corrected by 1.1 BAS update disk).
72.0	BAS - Order Processing - Sales Journal not posting to General Ledger (corrected by 1.1 BAS update disk).
73.0	BAS - Accounts Receivable - Cash Receipts Journal not page advancing properly (corrected by 1.1 BAS update disk).
74.0	BAS - Accounts Receivable - Delinquent Report printing inaccurately if 'stand-alone' (corrected by 1.1 BAS update disk).
75.1	BAS - All Applications - Explanation of General Ledger interface records
76.0	BAS - General Ledger - Unable to print Trial Balance if no detail exists for current month (corrected by 1.1 BAS update disk).
77.0	BAS - Accounts Payable - Error 42 during printing of Check Register if new company codes added (corrected by 1.1 BAS update disk).
78.0	IDOL - Custom selector screens disturbed after installing new BAS applications (corrected by 1.1 BAS update disk).
79.0	BAS - Accounts Payable - combining Invoice and Payment Distribution Journals (corrected by 1.1 BAS update disk).
80.0	BAS - Accounts Receivable - Cash Receipts Journal incorrectly summarizing multiple terminal activity (corrected by 1.1 BAS update disk).
81.0	BAS - Accounts Payable - Payment Selection procedure does not allow selection of negative invoice entered during conversion (corrected by 1.1 BAS update disk).
82.0	BAS - Start of Day Procedure produces erroneous file usage report (corrected by 1.1 BAS update disk).
83.0	BASIC - Improper function of RENAME utility (corrected by 1.1 BAS update disk).
84.0	BAS - Payroll - Employees in multiple departments not calculating taxes and deductions correctly (corrected by 1.1 BAS update disk).
85.0	BAS - Order Processing - Error 40 during Invoice Printing if invoice has net selling price of zero (corrected by 1.1 BAS update disk).

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<u>TIP #</u>	<u>DESCRIPTION</u>
86.0	BAS - Accounts Receivable/Order Processing - Suppressing the 'list price' column on invoices and memos.
87.0	BAS - General Ledger - Retained Earnings Amount (field 3) not clearing during Year-end Closing procedure.
88.0	BAS - General Ledger - Capital Statement printing erroneously.
89.0	BAS - Order Processing - Customer Contract Report not page advancing properly.
90.0	BAS - Accounts Receivable - Credit Memo Date prints improperly.
91.0	BAS - Payroll - Quarter-to-Date Payroll Register prints page headings improperly.
92.0	BAS - All Applications - No cursor response at selector screens (corrected by 1.1 BAS update disk).
93.0	BAS - Payroll - Error 41 during printing of Check Register (corrected by 1.1 BAS update disk).
94.0	BAS - Order Processing - Error 42 during printing of Order Status Report.
95.0	BAS - Order Processing - Error 13 during Order Correction.
96.0	BAS - Order Processing - Error 1 during Sales Analysis Reports.
97.0	BAS - Accounts Payable - Month-end G/L Update procedure may cause out-of-balance General Ledger.
98.0	BAS - General Ledger - Error 46 during Journal Entry procedure.
99.0	BAS - YTD/QTd Payroll Register fails if printed by department.
100.0	BAS - Purchase Orders - Deleted Quantities Report ESCAPES to BASIC.
101.0	BAS - Installation procedure for 1.1 BAS upgrade diskette.
102.0	BAS - Order Processing - Error 11 during printing of Order Status Report.
103.0	BAS - Order Processing - Error message during file maintenance of Inventory Item Master record - class code.
104.0	FORTUNE:WORD - Requirement to re-install if new operating system is installed.

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<u>TIP #</u>	<u>DESCRIPTION</u>
105.0	BAS - Accounts Receivable - Sales Journal not posting through to General Ledger.
106.0	BAS - Payroll - Error 26 during Manual/Reverse Check Entry when Worker's Compensation codes are alphanumeric.
107.0	BAS - General Ledger - Error message when account number is six digits in length.
108.0	BAS - Payroll - Erroneous calculation of FWT for new employees.
109.0	BAS - All Applications - Error 42 during End of Day procedure while printing File Maintenance Audit Report.
110.0	BAS - Purchase Orders - Error 40 during printing of Stock Receipts Journal procedure for Cost Adjustment Report.
111.0	BAS - Accounts Receivable - Error 1 during Invoice Entry when using a ship-to address code.
112.0	BAS - Order Processing - Error 1 during Back Order Release when lengthy back orders exist.
113.0	BAS - Order Processing - Taxation for freight during Direct Sales and Order Invoicing.
114.0	BAS - Payroll - Bonus pay not allowing for cents.
115.0	BAS - Accounts Receivable - Error 12 during Invoice Printing.
116.0	BAS - All Applications - Multiple data bases with BAS.
117.0	BASIC - Emulating 'ghost' tasking.
118.0	BAS - General Ledger - Incorrect ratio analyses calculations.
119.0	BAS - General Ledger - Unable to perform G/L Update procedure during Operator Training.
120.0	BAS - Payroll - P/R Register page advance and line spacing.
121.0	BAS - Purchase Orders - Using Vendor's Item # on printed P.O. instead of Inventory Item #.
122.0	IDOL - Changing CRT screen definition causes endless loop.
123.0	FORTUNE:WORD - Archiving documents results in out-of-space error message.

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<u>TIP #</u>	<u>DESCRIPTION</u>
124.1	BAS - Order Processing - Inventory Adjustments for LIFO/FIFO.
125.0	BAS - Order Processing - Inventory Items without bin locations.
126.0	BAS - Order Processing - Loss of order date after correction.
127.1	BAS - General Ledger - Retained Earnings after year-end close.
128.0	BAS - Accounts Payable - Error 1 during Adjustments Journal.
129.0	BAS - All Applications - Error 11 during G/L Update.
130.1	BAS - Accounts Receivable - Title of Sales Journal missing.
131.0	BAS - Payroll - Reverse Check procedure causes erroneous General Ledger posting.
132.1	BAS - Order Processing - Inventory Adjustments not handling unit costs with cents.
133.0	BAS - Order Processing - Direct Sales Entry zeroing out quantity fields during correction phase.
134.0	BAS - Order Processing - Unit of measure not displaying on printed invoices and debit/credit memos.
135.0	FORTUNE:WORD - Printing with draft font on IDS printers.
136.0	BAS - Order Processing - Invoice Printing 'hangs' system.
137.0	BAS - All Applications - Error 140 during End of Day Procedure.
138.0	BAS - Payroll - Error 19 when printing Employee Master Report twice in succession.
139.0	BAS - Purchase Orders - Inaccurate average cost calculation when on hand quantity is negative.
140.0	BAS - Accounts Receivable - Suppressing zero balance customer statements.
141.0	BAS - Order Processing/Accounts Receivable - Invoices and memos for freight only.
142.0	BAS - Accounts Payable - Error message: Check Number Already Issued.

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<u>TIP #</u>	<u>DESCRIPTION</u>
143.0	BAS - Accounts Receivable - Aging criteria during customer statement printing procedure not functioning.
144.0	BAS - Order Processing - On Order amount in customer master file erroneously updated after Order Correction.
145.0	BAS - Accounts Receivable - Customer Statements not purging open transaction file at month end.



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tip number 1

continued:

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=====

PROCEDURE:

- 1 From the # sign prompt (indicating UNIX), type:
cd /b/ipls <RETURN>
- 2 From the # , type
ed iplT0 <RETURN>
- 3 The screen displays the number of bytes in the file.
Type:

l,\$p

- 4 The screen displays the following:

```
CNF 1,12,1,22,CUTERR,0
PTN 1,20000
DEV D0,1,8000,,1,,,/b/IDOL
DEV D1,1,8000,,1,,,/b/BAS
DEV D2,1,8000,,1,,,/b/BDATA
DEV D3,1,8000,,1,,,/b/BUTIL
DEV D4,1,8000,,1,,,/f
DEV T0,7,3216,,,,,tty
DEV LP,4,3500,,,,,lp
DEV P2,4,3500,,,,,lp
DEV P3,4,3500,,,,,lp
DEV P4,4,3500,,,,,lp
DEV P5,4,3500,,,,,lp
DEV P6,4,3500,,,,,lp
IPL 1,2,T0,CSYST0
END
```

Consult the BASIC manual for an explanation of the IPL files.

- 5 Next, type:

l0p <RETURN>

to position and print line 10.

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tip number 1

continued:

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=====

6 The screen displays the following:

DEV P2,4,3500,,,,,lp

Type:

s/lp/tty##/p <RETURN> Where 'tty##' is the number
of the port (e.g. tty03).
This command searches for the
'lp' characters and replaces
them with the 'tty##'
characters. the resultant
line will then be printed.

7 The screen displays the following:

DEV P2,4,3500,,,,,tty03

Type:

w <RETURN>

to write out the contents of the file.

8 The screen displays the number of bytes in the file.

Type:

q <RETURN>

to quit the editor.

9 From the # sign, type:

ed ip!Tl <RETURN>

to repeat the procedure for each file in the range of
0 through 7.

When the procedure has been completed for all files, the device/port
connection must be modified using the CHANGE DEVICE CONNECTION
utility (#39) on the SYSTEM MANAGEMENT selection (s1) on the GLOBAL
MENU. The additional printers may be defined as "P2", "P3", and so
on. Consult the manual Meet Your Fortune System for additional
information.

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tip number 1
=====

continued:

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To use multiple printers with any BAS application (B1 or T3) or IDOL (S4), it is also necessary to inform BASIC through the following procedure:

- 1 Select B1 from the Global Menu.
- 2 Enter a valid operator code.
- 3 Select **8.BUSINESS UTILITIES.**
- 4 Select **3.INSTALLATION INFORMATION.**
- 5 Change field 4 **NUMBER OF PRINTERS** to the appropriate value.
- 6 Change field 5 **MATRIX PRINTER? (Y/N)** to indicate the proper printer type.
- 7 Follow steps 1-6 for each BASIC application (operator training, business surveys, etc), if access to additional printers is desired.

The last step is to verify or change the back port speed using the maintenance menu. Follow these steps:

- 1 Perform the shutdown procedure.
- 2 Once the system has been turned off, hold down the **<CANCEL/DEL>** key and press the power switch back to the ON position.
- 3 The system will display the maintenance menu. Check the setting of **F2 Change Back Port Speed.** This baud rate setting must be equal to the baud rate required by the printer(s) added in the previous steps. Remember, all printers interfacing with BASIC or IDOL must have the same baud rate.
- 4 To change the back port speed setting, press **<F2>**. Pressing the space bar will advance the setting to the next defined speed. Continue pressing the space bar until the appropriate speed is displayed.
- 5 Once the setting is correct, press **<F9>** to save the setting into EAROM. Press **<EXECUTE>** to continue with the boot process.

This completes the procedure.

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PRODUCT: Business BASIC **RELEASE LEVEL:** all current **TIP NUMBER:** 2
SUBJECT: Accessing a serial port within BASIC **DATE:** 01/31/
=====

DESCRIPTION: ERROR 12 is received when opening a serial port
 (e.g. 'T1') in BASIC when trying to transfer files
 from another computer.

DIAGNOSIS: The following information must be determined:

 The SIO port is used or the additional ports are
 accessed using the COM-A board.

 Which IPL files must be changed?

 Which port(s) will be used?

BACKGROUND: The chart below shows which IPL files are related to
 each application.

<u>APPLICATION</u>	<u>ipl FILES TO CHANGE</u>
BASIC	diplT0 thru diplT7
Business Applications	iplT0 thru iplT7
Business Training Data	tiplT0 thru tiplT7
Business Surveys	siplT0 thru siplT7
IDOL	iiplT0 thru iiplT7

For example, to transfer a set of custom programs from another system to the Fortune 32:16, it would be usual to use the development BASIC application. Therefore, IPL files diplT0 through diplT7 would have to be modified.

NOTES: Must be logged in as "root", not "manager" or any other account name.

PROCEDURE:

- 1 From the # sign prompt (indicating UNIX), type:

 cd /b/ipls <RETURN>

 to move to the proper directory.

- 2 From the #, type:

 ed diplT0 <RETURN>

 to edit the dipl file.

continued.....

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tip number 2

continued:

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=====

- 3 The screen displays the number of bytes in the file.
Type:

l,\$p <RETURN>

to print from line 1 to the end of the file.

- 4 The screen displays the following:

```
CNF 1,9,1,19,,0
PTN 1,20000
DEV D0,1,8000,,1,,,/b/BUTIL
DEV D1,1,8000,,1,,,/b/BWORK
DEV T0,7,3216,,,,,tty
DEV LP,4,3500,,,,,lp
DEV P2,4,3500,,,,,lp
DEV P3,4,3500,,,,,lp
DEV P4,4,3500,,,,,lp
DEV P5,4,3500,,,,,lp
DEV P6,4,3500,,,,,lp
IPL 1,2,T0,**PSD
END/
```

Consult the BASIC manual for an explanation of the IPL files.

- 5 Next, type:

lp <RETURN>

to position and print line 1.

- 6 The screen displays the following:

CNF 1,9,1,19,,0

Type: s/9/10/p <RETURN>
s/19/20/p <RETURN>

to search for the '19' character and replace it with the '20' character. The resultant line will then be printed.

- 7 The screen displays the following:

CNF 1,10,1,20,,0

Type: 5a <RETURN>

to add a new line after line 5.

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continued:

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8 Type:

```
DEV T1,7,8085,,,,,tty## <RETURN>
. <RETURN>
```

where 'tty##' is the number of the port (e.g. tty03).
The period after tty## indicates the end of each
line.

9 Type:

```
w <RETURN>
```

to write out the contents of the file.

10 The screen displays the number of bytes in the file.
Type:

```
q <RETURN>
```

to quit the editor.

11 From the #, type:

```
ed dip!T1 <RETURN>
```

to repeat the procedure for each file in the range of
0 through 7.

12 When the procedure has been completed for each IPL
setting, return to the Global Menu by pressing the
CTRL key and the D key simultaneously, and entering
"manager" as the account name.

13 Select **B3 Languages**. Then, choose **1 Business BASIC**.

14 The tty## port defined in step 8 will now be
accessible by opening device **T1** within Development
BASIC (e.g. for communications within BASIC).
Consult the BASIC manual for additional information.

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PRODUCT: Business BASIC **RELEASE LEVEL:** all current **TIP NUMBER:** 3.3
SUBJECT: Basic IV (BBIII) vs. Business Basic Differences **DATE:** 12/31/83
=====

DESCRIPTION: This is a summary of major differences between Basic/Four and SMC BASIC (BBIII vs. Fortune's BASIC).

BACKGROUND: The current version of BASIC used by Fortune Systems is very compatible with the BASIC (BBIII) currently in use on many Basic/Four computers. The language has a number of key strengths:

- o There are many 'mature' software programs available that have been developed on a variety of systems which may be transported to the Fortune 32:16 with little or no modifications.
- o The structure of the language is simple to learn and relatively easy to use.
- o There are simple, flexible, and powerful I/O capabilities and file system structures particularly suited to business data processing.
- o There are extensive error trapping and recovery methods, as well as inherent troubleshooting, debugging, and modification capabilities.

The following is a summary of commands that are different in use.

BASIC/FOUR

CLOSE (channel 1 - 7)

DIRECT

DISABLE

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CLOSE (channel 1 - 9)

Sector allocation is automatic.
File names may be up to eight characters in length.

Effective **only** for the current task with the **LOCAL** option. No error condition is reported when disabling a disk on which another task has an open file.

BASIC/FOUR

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ENABLE

Effective **only** for the current task with the **LOCAL** option. No error condition is reported when enabling a disk **DISABLED** by another user.

ERASE

File names may be up to eight characters in length.

EXTRACT (RECORD) (channel 0-7)
FILE

EXTRACT (RECORD) (channel 0 - 9). Position **21,2** contains the **7th** and **8th** characters of the **file name**.

FIND (RECORD) (channel 0-7)

FIND (RECORD) (channel 0 - 9).

GET

Not applicable. Open files with the **ISZ** option to 'get' portions of a file.

INDEXED

The **sector number** is ignored since the disc allocation is automatic.

INPUT (channel 0 - 9)

INPUT (channel 0 - 9).

LIST (channel 1 - 7)

LIST (channel 1 - 9).

LOAD

The **program name** may be up to eight characters in length.

LOCK (channel 1 - 7)

LOCK (channel 1 - 9).

MERGE (channel 1 - 7)

MERGE (channel 1 - 9).

OPEN (channel 1 - 7)

OPEN (channel 1 - 9). **File name** may be up to eight characters in length.

PROGRAM

Sector allocation is automatic. **File names** may be up to eight characters in length.

PUT

Not applicable. See 'GET'.

BASIC/FOUR

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READ (RECORD) (channel 0 - 7)

READ (RECORD) (channel 0 - 9).

RELEASE

A user may RELEASE only his own task.

REM

No quotation marks are required to retain blank spaces.

REMOVE (channel 1 - 7)

REMOVE (channel 1 - 9).

RESERVE

The RESERVE command is permitted syntatically, but performs no meaningful function.

RUN

Program name may be up to eight characters in length.

SAVE

Program name may be up to eight characters in length.

SORT

Sector allocation is automatic. File name may be up to eight characters in length.

START

Not applicable. Task memory allocation is automatic. There is no 'controlling task T0'. Ghost tasking is not supported.

UNLOCK (channel 1 - 7)

UNLOCK (channel 1 - 9).

WAIT

May be from 1 to 32,767 seconds.

WRITE (RECORD) (channel 0-7)

WRITE (RECORD) (channel 0 - 9).

The following commands function in the same manner:

ADD	ENDTRACE	IF (THEN) (ELSE)	RETRY
BEGIN	ENTER	IOLIST	RETURN
CALL	ESCAPE	LET	SETDAY
CLEAR	EXECUTE	NEXT	SETERR
DELETE	EXITTO	ON ___ GOSUB	SETESC
DIM	FLOATING POINT	ON ___ GOTO	SETTIME
DROP	FOR (STEP)	PRECISION	STOP
EDIT	GOSUB	PRINT	TABLE
END	GOTO	RESET	

Special Notes

- o File names in Fortune's BASIC cannot contain the slash '/' character.
- o Directory names used within the ipl files must not be greater than eight characters in length, including the slash (/) character, even though the longer directory name would be allowed within UNIX.
- o The command **SHELL** enables the pass of a UNIX command to UNIX from the BASIC interpreter (e.g. **SHELL "pwd"**). **SHELL** also allows the invoking of the shell as a secondary process. It is not possible, however, to pass values from the shell back to the BASIC program using the command.

Any functions that refer to physical disk or memory locations can be misleading. The **BSZ**, **HSA**, **PUB**, **SSZ**, and **TSK** functions are recognized by the system, but really provide no meaningful information in the UNIX environment.

FUNCTIONS AND SPECIAL VARIABLES

The following functions are the same in Basic/Four's BBIII and in Fortune's BASIC.

ABS	CRC	EXP	HSH	LRC	SGN
AND	CTL	FID	HTA	MOD	SSZ
ASC	DAY	FNx	IND	NOT	STR
ATH	DEC	FNx\$	INT	NUM	TCB
BIN	DSZ	FPT	IOR	POS	TSK
BSZ	EPT	GAP	KEY	PSZ	TIM
CHR	ERR	HSA	LEN	PUB	XOR

In addition, Fortune's BASIC includes these functions:

<u>FUNCTION</u>	<u>EXPLANATION</u>
ATN (x)	Returns the angle whose tangent is (x).
COS (x)	Returns the cosine of (x).
FIX (x)	Returns the integer of (x) rounded toward zero.
LOG (x)	Returns the log (base e) of (x).
RND (x)	Random number function.
SIN (x)	Returns the sine of (x).
SQR (x)	Returns the square root of (x).
TAN (x)	Returns the tangent of (x).

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PRODUCT: Business BASIC **RELEASE LEVEL:** 1.0/1.1 **TIP NUMBER:** 4.2
SUBJECT: Multi-User File Lockout via the LOCK instruction **DATE:** 01/31/83
=====

DESCRIPTION: The LOCK command, used to "lockout" specified files from one workstation to another is incorrectly allowed.

BACKGROUND: In a multi-user environment, the LOCK command is generally used to prevent a file from being accessed by another workstation during a major update or during the execution of a utility operation upon the file. BASIC should not allow a user to lock a file currently open to another user.

DIAGNOSIS: To test the LOCK command, follow these steps:

- 1 From the master workstation, select **S3** from the Global Menu, and **1** from the Development Language menu.
- 2 Select **20 BASIC--GOTO BASIC CONSOLE MODE.**
- 3 Define a data file of any type.
- 4 **OPEN** the file using the master workstation.
- 5 **OPEN** and **LOCK** the same file on a satellite workstation. No error message is generated by BASIC to indicate the file is currently open.

PREVENTION: Use 'record level lock' (**EXTRACT**) which does not have this problem.

The error lies within the Basic interpreter and will be corrected with a later release/revision.

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PRODUCT: Business BASIC **RELEASE LEVEL:** 1.0/1.1 **TIP NUMBER:** 5.1
SUBJECT: Embedded Space/Blank Sensitivity of TABLE Statement **DATE:** 01/01/83

DESCRIPTION: The TABLE statement is 'sensitive' to embedded spaces/blanks when being entered.

BACKGROUND: The TABLE statement should 'throw away' spaces/blanks as applicable (automatically) during the generation of the internal format (tokenized and postfixed) used by BASIC.

DIAGNOSIS: To view the error when using the command, follow these steps:

1 Select **S3** from the Global Menu, and **1** from the Development Languages menu.

2 Select **20 BASIC--GOTO BASIC CONSOLE MODE.**

3 Type the following:

9000 TABLE FF 31 32 33 34 <RETURN>.

4 A syntax error will result. Next, type:

9000 TABLE FF31323334 <RETURN>.

This entry will be accepted as correct.

PREVENTION: Enter TABLE statements without spaces or blanks.

The error lies within the BASIC interpreter and will be corrected with a later release/revision.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: Business BASiC RELEASE LEVEL: 1.0/1.1 TIP NUMBER: 6.1
SUBJECT: ATH Function in a PRINT statement DATE: 01/01/83
=====

DESCRIPTION: The ATH command does not function correctly if used
 in a PRINT statement.

BACKGROUND: The ATH command converts a string of hexadecimal
 characters to their ASCII equivalents. As with any
 command, the command should be evaluated and the
 intermediate result substituted during the 'larger'
 operation.

DIAGNOSIS: In BASIC console mode, type the following:

```
X$="4142434445" <RETURN>
PRINT ATH(X$)     <RETURN>
ABCDE34445       <RETURN>
```

(invalid result: the length of the intermediate
result is the same as the string to be converted)

```
Y$=ATH(X$)       <RETURN>
PRINT Y$          <RETURN>
ABCDE             <RETURN>
```

(correct result)

PREVENTION: When attempting to print the result generated by the
 ATH command, assign the result to a variable, then
 print the contents of that variable.

The error lies within the BASIC interpreter and will
be corrected with a later release/revision.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: Business BASIC **RELEASE LEVEL:** 1.0/1.1 **TIP NUMBER:** 7.1
SUBJECT: Function Syntax Errors **DATE:** 01/01/83
=====

DESCRIPTION: Several of the functions listed in the Business BASIC manual result in syntax errors when attempted.

BACKGROUND: The functions are:

ATN(x) Returns the angle whose tangent is (x).
FIX(x) Returns the integer part of (x), rounded towards zero.
INKEY Returns a single character typed at the keyboard.
LOG(x) Returns the log (base e) of (x).
RND(x) Returns a random number based on (x).

DIAGNOSIS: In Basic console mode, each of the above functions will return a syntax error if attempted.

PROCEDURE: The following is functionally equivalent to the INKEY command:

```
10 OPEN(1) FID(0)
20 READ RECORD (1,SIZ=1)A$
```

It should be noted that all function and 'special' keys (e.g. numeric keypad keys) on the Fortune 32:16 generate a three character sequence ('character' - CTRL/A - RETURN). This fact must be taken into consideration when a READ RECORD with a SIZ option is issued to channel zero (the terminal keyboard).

PREVENTION: The ATN, FIX, LOG, and RND functions are not implemented in the current versions of the BASIC interpreter. They will be implemented in a later release/revision.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: Multi-User UNIX **RELEASE LEVEL:** 1.2/1.21/1.22 **TIP NUMBER:** 10.1
SUBJECT: System Speed Degredation & Shutdown 'Hanging' **DATE:** 01/01/83
=====

DESCRIPTION: Any of these problems exist:

- o The system is 'abnormally slow'
- o The system 'hangs' during execution of the shutdown procedure after the following message is received:

Software shutdown starting, please wait

BACKGROUND: This problem results from having enabled (via software - e.g.: Change Device Connections Utility) ports which correspond to those on a 'Comm-A' card when the hardware (i.e. the Comm-A card) is not present in the system.

For instance, making tty04 a Fortune work station without the presence of a Comm-A card. The operating system, through the process 'init', continuously forks the process 'getty' to the non-existent port for a login. The system, failing to get a handshake from the Comm-A card, kills the existing 'getty' and spawns a new one to try again. This continuous killing and spawning of new processes creates noticeable system speed degradation.

The 'hang' during the shutdown procedure results when the software shutdown attempts to close all open ports. The port has actually never been opened (see above) when the shutdown attempts to close it, and the shutdown is of a priority such that the command to close the port cannot be ignored. This conflict causes the system to hang.

PROCEDURE: While logged in as 'manager' or 'root':

- 1 From Global Menu, select **s2 System Management.**
- 2 From the system management menu, select

39 Change Device Connections.
- 3 Select the port(s) incorrectly enabled.
- 4 Select **4 Disable Device Connection.**
- 5 Alternatively, shut the system down and install the 'necessary' hardware.

PREVENTION: Do not enable device connections without the supporting hardware.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: Flexible Disk Drive **RELEASE LEVEL:** all current **TIP NUMBER:** 11.2
SUBJECT: Failure and Type Specifications **DATE:** 01/31/83
=====

DESCRIPTION: This technical tip will enable the following:

- o Overcome the system's inability to read flexible disks.
- o Identify the flexible disk drive type and manufacturer.

BACKGROUND: If the incorrect flexible disk drive type is specified in the EAROM (found on the maintenance and configuration menus), the flexible disk drive will not function properly.

DIAGNOSIS: For systems shipped 1/83 and later, a System Configuration Label can be found on the back of the CPU.

For systems shipped prior to 1983, the flexible disk drive type may be identified using the following procedure:

- 1 Open the flexible disk drive door and inspect the underside of the tension arm which clamps the flexible disk in place.

If the tension arm has a small protrusion which would fit over the end of the flexible disk when fully inserted with the door closed, the drive is manufactured by **SHUGART**.

If the protrusion is missing, the drive is made by **TANDON**.

- 2 You should now review the Maintenance Menu to be sure the disk drive manufacturer is correct. Do this by shutting down the system and then pressing <CANCEL/DEL> while turning the system back on. The Maintenance Menu will then display.

- 3 The current floppy drive #0 type is displayed on the line identified as F6.

If the drive type is correct, press <EXECUTE> to boot the system.

continued....

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

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PROCEDURE:

To change the line **F6 Change floppy drive type**, follow these steps:

- 1 Press **F6**. Then press the **space bar** until the proper drive manufacturer appears in the space to the right of the highlighted section.
- 2 Press **F9** to save the settings to the EAROM.
- 3 Press **<EXECUTE>** to boot the system.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: UNIX Operating System **RELEASE LEVEL:** all current **TIP NUMBER:** 12.1
SUBJECT: Lost/Forgotten/Damaged Password/System File **DATE:** 01/01/83
=====

DESCRIPTION: Password for 'root' or 'manager' (or both) is forgotten.

BACKGROUND: The only login account names that have access to the password file are 'root' and 'manager' (user id = 0). Only a super-user ('root' or 'manager') can modify or remove a password for another user.

PROCEDURE:

- 1 If the 'root' password is forgotten, login as 'manager'. Select s2 on the global menu, and then **11 Modify existing account**. Enter 'root' as the account name. Select option 'R' to remove the 'root' password, or 'P' to change the password.
- 2 If the 'manager' password is forgotten, login as 'root'. At the # prompt, type 'menu', then follow the same steps as above from the global menu.
- 3 If both 'root' and 'manager' passwords have been forgotten, follow the Cold Boot procedure until the first menu following the power-up sequence #9 appears.
- 4 Press the <CANCEL/DEL> key to exit the cold boot command script. A # sign will display to indicate that the next entries will be directly to UNIX.
- 5 Type the following series of commands:

```
# /etc/mount /dev/hd02 /h <RETURN>
# cd /h/etc <RETURN>
# mv passwd passwd.save <RETURN>
# cp /etc/passwd . <RETURN>
# cd / <RETURN>
# /etc/umount /dev/hd02 <RETURN>
# sync <RETURN>
# sync <RETURN>
```

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=====

6 Press the reset button. You've replaced your password file on the hard disk with an empty one that will allow you to login as 'root' without a password. Again, a # will display if all has gone properly.

7 Type the following series of commands:

```
# cd /etc <RETURN>
# mv passwd.save passwd <RETURN>
# chmod 644 passwd <RETURN>
# menu <RETURN>
```

8 Use the UNIX command **passwd** to change or add existing passwords.

TESTING:

Power down the system and the power up as usual. Type in 'manager' or 'root' and the appropriate passwords.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: UNIX Operating System **RELEASE LEVEL:** all current **TIP NUMBER:** 13.1
SUBJECT: Root/Manager Login Use **DATE:** 01/01/83
=====

DESCRIPTION: Use of the 'root' or 'manager' login account name.

BACKGROUND: The login account names 'root' and 'manager' provide the user certain powers and permissions (referred to as 'super-user'), but its use should be discriminating and controlled.

A password should be installed as soon as possible for both 'root' and 'manager'. It should also be noted that the 'root' account name will take the user directly to UNIX , bypassing the global menu.

It is necessary to use the 'manager' login account name to perform all selection for **S5 Product Maintenance** (Install, Delete, or Backup a product).

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: UNIX Operating System RELEASE LEVEL: all current TIP NUMBER: 14.1
SUBJECT: File named 'test' DATE: 01/01/83

DESCRIPTION: Messages such as 'test: permission denied' or 'test: cannot execute' during login, shutdown, product installation, or any other shell script using the UNIX function 'test'.

BACKGROUND: The file 'test' is a UNIX program which resides in the /bin directory. If another file named 'test' is created (a natural tendency for most programmers), and is in the current directory when a routine or shell script tries to execute the usual function 'test', the new 'test' file will be executed instead.

This can also occur for files created in the word processing application (FORTUNE:WORD) and the MULTIPLAN application. For files named 'test' in these two applications, rename the files before proceeding. For FORTUNE:WORD, the appended files 'filename.dc' and 'filename.fr' must also be renamed.

PROCEDURE:

1 From the global menu, type an exclamation mark (!) and press <RETURN>. This will take you directly to UNIX>

2 To rename all user files named 'test', type:

mv /filename /newfilename <RETURN>

To remove unwanted files in UNIX, type::

rm /filename <RETURN>

In both cases, /filename is the full pathname of the 'test' file and /newfilename is the full pathname of the renamed 'test' file.

PREVENTION: Refrain from using the word 'test' for a filename.

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TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: UNIX Operating System **RELEASE LEVEL:** all current **TIP NUMBER:** 15.1
SUBJECT: System "Hangs" During Cold Boot Procedures **DATE:** 01/01/83
=====

DESCRIPTION: System "hangs" while attempting to Cold Boot after specifying `fd02/unix`. This occurs after reaching number `8` during the 'Please Wait' screen display.

BACKGROUND: If the mount operation of the hard disk fails during an attempt to Cold Boot, all copy commands directed to the `/h` directory (the directory the hard disk was supposed to be mounted to) will write to the flexible disk instead of the hard disk. This condition quickly fills the flexible disk. Future attempts to use that Cold Boot disk set will fail.

PROCEDURE:

- 1 Attempt the Cold Boot procedure. When the "Please Wait" message appears, follow the sequential display of numbers until the '8' or the '9' is seen. Press `<CANCEL/DEL>` several times until the UNIX prompt sign (`#`) appears. Timing is somewhat crucial, so if it doesn't work the first time, try again.
- 2 From the `#` prompt, type:

`rm -r /h/* ; sync <RETURN>`

TESTING: Power the system down, and then perform the Cold Boot procedure as usual.

PREVENTION: It is important to specify the correct hard disk manufacturer during the Cold Boot procedure. Review the Maintenance Menu and change the setting if necessary.

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TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS General Ledger RELEASE LEVEL: 1.0 TIP NUMBER: 16.1
SUBJECT: Journal Entry procedure - Error 46 DATE: 01/31/83
=====

THIS TECHNICAL TIP IS RESCINDED WITH 1.1 BAS RELEASE

DESCRIPTION: The General Ledger journal entry procedure generates an ERROR 46 if the following conditions exist:

- o The user enters a journal date (rather than pressing <RETURN> to apply the terminal date).
- o The user then answers 'N' (no) to the 'DATA CORRECT? (Y/N/DEL/LST/ADD)' question, and changes a line. |

- PROCEDURE:**
- 1 From the Global Menu, select
 b1 Business Applications <RETURN>.
 - 2 Enter a valid operator code and press <RETURN>.
 - 3 Type **UTL** <RETURN> rather than choosing one of the eight listed selections.
 - 4 From the Utilities selector screen, select
 15 PROGRAM SEARCH & REPLACE and press <RETURN>.
 - 5 For the disk name and number, type
 1 <RETURN>.
 - 6 For the file name, type
 CGLDA <RETURN>.
 - 7 Press <RETURN> again.
 - 8 To replace, press <F2>.
 - 9 Bypass the verification by pressing <F2>.
 - 10 Press <F1> for a hard copy of the change.
 - 11 Select the appropriate printer by typing
 LP <RETURN>.
 - 12 For the start line, press <RETURN>.
 - 13 For the end line, press <RETURN>.

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- 14 To the prompt 'SEARCH FOR', type
U\$ <RETURN>.
- 15 To the prompt 'REPLACE WITH', type
T\$ <RETURN>.
- 16 Press <RETURN> to end the 'SEARCH FOR'
prompt.
- 17 Each statement will be displayed as changed.
When prompted with 'ENTER DISK NAME OR
NUMBER', press <F4> to exit the utility.
- 18 Press <F4> again to return to the Business
Applications menu.

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```
3      <TAB><TAB>echo '^G Printer assigned to port
      tty0'$portno <RETURN>

      <TAB> else      <RETURN>

      <TAB> <TAB> echo '^G Cannot reassign printer-SORRY!'
      <RETURN>

      <TAB> fi;;      <RETURN>

      *)<TAB>echo '^G Illegal port number entered!';;
      <RETURN>

      esac <RETURN>

      .      <RETURN>

      w      <RETURN>
```

4 The system responds with the number of characters defined in this shellscript (295). Type:

```
q      <RETURN>
```

5 The system responds with the UNIX prompt #. Type:

```
chmod 777 /bin/movelp
```

6 From the # prompt, type:

```
chmod 666 /dev/tty0* /dev/lp
```

TESTING:

1 From the # prompt, press <CTRL> and 'd' simultaneously, and login as usual.

2 From the global menu, type:

```
!movelp <RETURN>
```

3 The system will respond with the question:

```
Enter port number [1-8] to assign
primary printer port to:
```

4 Enter the appropriate port number to redirect all print requests.

5 To change the port number back, return to step 2.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: Fortune 32:16 System RELEASE LEVEL: all current TIP NUMBER: 18.1
SUBJECT: Required Flexible Disk Specifications DATE: 01/01/83
=====

DESCRIPTION: System has intermittent problems reading flexible disks, including application software backups or data files. However, the Fortune-supplied master disks function properly.

BACKGROUND: The required (5.25 inch) flexible disk specifications are:

 Double-sided
 Double density
 96 tracks-per-inch (80 tracks-per-side)

PROCEDURE: Recreate any backups which currently exist on 'below standards' media using flexible disks which meet the above specifications.

PREVENTION: Be sure flexible disks meet the specifications shown above.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

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The FORTUNE 32:16 uses the following signal/pin connection conventions (RS-232/C):

**IMPORTANT : INCORRECT CABLE CONFIGURATION CAN CAUSE MAJOR DAMAGE
 TO THE FORTUNE 32:16 AND/OR YOUR PRINTER**

<u>Pin No.</u>	<u>Signal</u>	<u>Direction</u>
1	frame ground	-
2	transmitted data	to DCE
3	received data	from DCE
4	request to send to DCE	
5	clear to send	from DCE
6	data set ready	from DCE
7	signal ground	-
8	data carrier detected	from DCE
9**	+ 12 volts	-
10**	- 12 volts	-
20	data terminal ready	to DCE
25	busy	from DTE

****Do NOT use pins 9 or 10. Pins 9 and 10 carry DC voltages.**

PROCEDURE:

- 1 Begin setting up the Fortune 32:16 with the power off. Hold down the <CANCEL/DEL> key and switch the power on. Do not release the <CANCEL/DEL> key until you see the Fortune Systems Maintenance Menu on your screen.
- 2 From the Maintenance Menu, press <F2> and change the back port speed to agree with your printer baud rate.
- 3 Press <F9> to save these settings, and press <EXECUTE> to reboot the system.
- 4 Enter the correct date and time, and login as 'manager'. When you have the Global Menu on the screen, select

S2 System Management.
- 5 From the System Management Menu, select

39 Change Device Connection.
- 6 The screen will display a representation of the back of a Fortune 32:16. To change the printer settings, type:

p <RETURN>.

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=====

- 7 The DEVICE TYPE menu will then display. Selections 1 and 2 on this menu have a default baud rate of 9600. If your printer is not set to operate at this speed, select

5 Set Any Other Device Or Baud Rate

to display the DEVICE CONNECTION menu.

- 8 Type the baud rate for your printer, followed by a space and the appropriate letter for the printer. For example: type: '2400 l' (for letter quality) or '9600 d' for dot matrix.

TESTING: There are a few messages you may see during this operation:

- 1 The message **/dev/lp not in /etc/ttytype file** would appear if you are using a 1.0 operating system and have not added an entry to to the file **/etc/ttytype** for a device named **lp** . To correct this problem, return to the Global Menu and type:

```
lecho "printer lp" >> /etc/ttytype b <RETURN>
```

This will add the necessary entry to **/etc/ttytype** and prompt you for the return to the Global Menu.
NOTE: If the operating system is backed up after this entry is made, this will become a part of the new copy of the operating system.

- 2 The message **tty file busy; try again later** means a previous attempt to change a device connection failed and left a 'defunct' temporary file that is jamming the files. To remove it, return to the Global Menu and type:

```
!rm /tmp/ty* <RETURN>
```

You will be prompted for the return to the Global Menu.

- 3 The message **/dev/tty01 and /dev/lp are identical** is not an error message, but is a status message telling you that the serial I/O port and the logical device 'lp' are set to the same baud rate. You can ignore this message.

FORTUNE SYSTEMS : SUPPORT CENTER
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Once you have returned to the System Management menu after defining the baud rate and printer type, you have successfully completed the software setup of your printer.

- o If the printer will not print for Multiplan or Systems Utilities but will print for Word Processing, the probable cause is that a 'LOCK' file has been left in the directory `/usr/spool/lpd`. If you have requested a print job and have not received a response within a reasonable amount of time (remember that the file must be copied and formatted), go back into UNIX, and type:

```
!!! /usr/spool/lpd <RETURN>
```

If the last entry has the name 'lock' on the far right end of the column, you may remove it by typing:

```
!rm /usr/spool/lpd/lock <RETURN>
```

This removes the lock, and, to test the daemon (the software that does the work of printing), type:

```
!/usr/lib/lpd <RETURN>
```

If this successfully starts the daemon you may want to cancel the other print jobs in the spool and start over, especially if there were several jobs in the queue. The command to do this is:

```
!rm /usr/spool/lpd/* <RETURN>
```

- o If print jobs in BASIC applications are unintelligible, return to the Maintenance Menu and verify the back port speed setting. BASIC takes its baud rate setting directly from the EAROM.

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=====

- o If nothing will print (presupposing that you have followed this guide TO THE LETTER regarding both hardware and software setup), the logical device `/dev/lp` has not been created or has been created incorrectly as a text file. To insure that this is not the case, the quickest solution is to remove `/dev/lp` and recreate it properly. This can be done by typing the following UNIX commands (you must be logged on as 'root' or 'manager'

```
rm /dev/lp <RETURN>
```

This removes the special file '/dev/lp'. Then type:

```
cp -l /dev/tty01 /dev/lp <RETURN>
```

This recreates '/dev/lp' as a link to '/dev/tty01' (the logical name of your serial I/O port).

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: UNIX Operating System **RELEASE LEVEL:** all **TIP NUMBER:** 20.1
SUBJECT: Explanation of Power-up Sequence **DATE:** 01/01/83
=====

DESCRIPTION: Explanation for the Fortune 32:16 power-up sequence.

After positioning the power switch to the ON position, the Fortune 32:16 displays a screen identifying itself and requesting that you "Please Wait" while it counts from 1 to 9 before proceeding to the 'date' screen. Each of these numbers identifies a step in the boot process and can be very helpful in diagnosing failures. This is an explanation of each process step.

First Phase: Power-up

<Initial Banner> Indicates that the Read Only Memory (ROM) has been able to initialize the console.

- 1 The initial hardware diagnostics ran without error.
- 2 The system has found the boot file on the boot device in the EAROM, has loaded it into memory, and is about to execute it.

Second Phase: Boot

- 3 The boot file has been initiated successfully.
- 4 The boot program has found the UNIX file and is reading it into Main Memory.

Third Phase: Kernel Initialization

- 5 The Kernel (Main Memory resident section of the operating system) was loaded into main memory.
- 6 The Kernel is about to execute the program '/etc/init'.

Fourth Phase: /etc/init

- 7 The program '/etc/init' was successfully started.

Fifth Phase: /etc/rc

- 8 The Kernel has started '/etc/rc'.
- 9 Miscellaneous '/etc/rc' tasks completed.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: Cables RELEASE LEVEL: all current TIP NUMBER: 21.2
SUBJECT: 32:16 cabling for Modems, Printers, Terminals DATE: 01/31/83
=====

DESCRIPTION: To provide a single source of cabling information for
all current applications used with the Fortune 32:16.

PRINTER CABLE

<u>HOST</u>	<u>PRINTER</u>
1 <---(shield ground)---->	1
2 <----->	2
3 <----->	3
4 <----->	20
5 <----->	5
6 <----->	6
7 <----->	7
8 <----->	8
9 X + 12 volts - do not use!	
10 X - 12 volts - do not use!	
20 <----->	4
25 <----->	25

FORTUNE INTELEAGENT WORKSTATION (FIS 1000)

<u>HOST</u>	<u>TERMINAL</u>
1 <---(shield ground)---->	1
2 <----->	2
3 <----->	3
4 <----->	4
5 <----->	5
6 <----->	6
7 <----->	7
8 <----->	8
9 X + 12 volts - do not use!	
10 X - 12 volts - do not use!	
20 <----->	20
25 <----->	25

NOTE: Use this configuration for cables from modem to terminal also.

continued.....

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ACOUSTIC MODEM

HOST	MODEM
1 <---(shield ground)---->	1
2 <----->	3
3 <----->	2
4 <----->	5
6 <----->	4
7 <----->	7
8 <----->	20
9 X + 12 volts - do not use!	
10 X - 12 volts - do not use!	
20 <----->	8

NOTE: Host end should be marked "host" as this cable is not 'end-interchangeable'.

"SHORT HAUL" MODEM

A 'short haul' modem is actually a signal booster and only boosts whatever signal is found on each pin. A 25-pin cable going from the SIO to the modem will work (depending of course on the modem's requirements) with the appropriate peripheral cable between the modem and the device. Pins 9 and 10 are required on some models to provide power to the modem.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS General Ledger RELEASE LEVEL: 1.0 TIP NUMBER: 22.1
SUBJECT: Journal Entry Procedure DATE: 01/01/83
=====

THIS TECHNICAL TIP IS RESCINDED WITH 1.1 BAS

DESCRIPTION: General Ledger's Journal Entry will enter an endless loop if these conditions are followed:

- 1) Over 13 lines of entry are made.
- 2) The 'LST' option is used with a beginning line number which forces over 13 lines to be displayed.
- 3) The 'DATA CORRECT? (Y/N)' question is answered 'N' (no) and any line is changed.

The program is now caught in a loop, trying to re-display the existing entries.

PROCEDURE: A new BASIC line of code is required:

1. From the Global Menu, select **B1 Business Applications.**
2. Enter a valid operator code.
3. Enter **UTL** <RETURN> ,rather than one of the selections listed.
4. Select **20 BASIC--GOTO BASIC CONSOLE MODE.**
5. Type the following:

```
LOAD "CGLD1"        <RETURN>
6503 LET US=""      <RETURN>
SAVE "CGLD1"       <RETURN>
RUN "CUTSA0"       <RETURN>
```

You are returned to the Business Applications, and the problem is solved.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: Business BASIC **RELEASE LEVEL:** all current **TIP NUMBER:** 23.2
SUBJECT: Custom development **DATE:** 01/31/83
=====

DESCRIPTION: How to access the flexible disk drive from BASIC.

BACKGROUND: Through a combination of (a) modifying the IPL files, and (b) the 'SHELL' command to access UNIX, the flexible disk drive can be used with BASIC.

PROCEDURE: The first and most important step is the modification of the IPL files, to recognize the UNIX directory '/f' as a 'disc' in BASIC. The procedure is outlined below. Note that this is only a simplified procedure, and your IPL files may look different due to previous changes.

1 Login as 'root'.

2 From the # sign prompt, type:

cd /b/ipls <RETURN>

ed diplT0 <RETURN>

3 The number of bytes are displayed. Type:

1 <RETURN>

4 Line one displays as follows:

 CNF 1,9,1,19,0 The characters 9 and 19 indicate the number of devices BASIC will use. They must be increased by 1 for another disk device.

5 Type:

s/9/10/ <RETURN>

s/19/20/p <RETURN>

continued.....

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6 The screen displays the following:

CNF 1,10,1,20,0

7 Type:

4a <RETURN>

DEV D2,1,8000,,,,/f <RETURN>

where D2 = the next logical disk number. Use another number if you have previously assigned D2. Valid values are 00 - 09.

. <RETURN>

w <RETURN>

q <RETURN>

8 The screen displays the number of bytes. Repeat steps one through eight for each of the IPL files 'diplT0' through 'diplT7'.

BASIC will now recongize the '/f' directory on the hard disk as 'D2'. In order to access the flexible disk drive instead of the hard disk, the flexible disk's file system must be 'mounted' to the hard disk's system.

NOTE: BE CERTAIN THAT THE DISK HAS BEEN FORMATTED PRIOR TO ANY 'MOUNT' PROCEDURE!!

The commands to mount the flexible disk drive from BASIC is:

DISABLE 2 <RETURN>

SHELL "/etc/mount /dev/fd02 /f" <RETURN>

ENABLE 2 <RETURN>

We recommend the use of a verified input prompt before this command is issued to make sure that the flexible disk is in the drive.

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The flexible disk can now be read or written to as 'D2'. Be careful not to try to write more data than can be handled on one flexible disk, since you cannot use 'continuation' disks. Be sure to calculate key area overheads on DIRECT and SORT files by using the *OPSD utility.

***** IMPORTANT *****

The floppy drive filesystem '/f' must be unmounted from the hard disk file system before the flexible disk can be removed!

The command to unmount the flexible disk is:

DISABLE 2 <RETURN>

SHELL "/etc/umount /dev/fd02" <RETURN>

ENABLE 2 <RETURN>

After unmounting the flexible disk drive, always type 'sync' once or twice before continuing.

***** REMEMBER *****

Serious loss of information can result from removing a flexible disk before the 'umount' is performed !

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PRODUCT: BAS Accounts Receivable RELEASE LEVEL: 1.0 TIP NUMBER: 24.1
SUBJECT: Invoice Entry - Sales Tax Calculations DATE: 01/31/83
=====

THIS TECHNICAL TIP IS RESCINDED WITH 1.1 BAS

DESCRIPTION: In Accounts Receivable, during the Invoice Entry procedure, a line item with a value of \$95.00 and a tax % of 6.5 returns a \$6.17 tax calculation instead of 6.18 as it should be. Truncates instead of rounding.

PROCEDURE:

- 1 From the Fortune Systems Business Applications selector, type:
 UTL <RETURN>
- 2 Select **15 PROGRAM SEARCH AND REPLACE** , and type:
 1 <RETURN> for the disk number.
- 3 Type **CARUAL** <RETURN> for the file name.
- 4 Press <RETURN>.
- 5 Press <F2> to replace.
- 6 Press <F2> to bypass verification.
- 7 Press <F1> for a hard copy.
- 8 Type **LP** <RETURN> for the printer.
- 9 Type **2000** <RETURN> for the start line.
- 10 Type **2010** <RETURN> for the end line.
- 11 Type **/100** <RETURN> for the value to be searched.
- 12 Type ***.01** <RETURN> for the replacement value.
- 13 Press <RETURN> to end the search.
- 14 The program will display each statement as it is being changed. When the message 'ENTER DISK NAME OR NUMBER' is displayed, press <F4> to exit the utility.
- 15 Press <F4> again to return to the Business Applications selector.

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7) At the selector screen; use the following:

- 1: Z5 for all 5 megabyte systems (SEAGATE)
- 3: A10 for all 10 megabyte systems (SEAGATE)
- 5: B10 for all 10 megabyte systems (MINISCRIBE)
- 9: C20 for all 20 megabyte systems (AMPEX)

8) If, during the cold boot and system power up, the system gets to 1 2 3 4 5 6 7 8 and hangs, refer to TECHNICAL TIP number 15.

9) DO NOT CANCEL OUT OF THE COLD BOOT PROCEDURE AT ANY TIME DURING THE FORMATTING OF THE HARD DISK! This can cause damage to block 0, (the configuration block).

The following is a summary of the INSTALL and COLD BOOT procedures.

FOR INSTALLING OPERATING SYSTEM 1.2.2 AND LATER

The following procedures are suitable only for operators who are familiar with the Fortune system, with the displays involved, and with the methods for making any required changes.

If you are installing a new release of the operating system, use the product maintenance selection (S5) on the global menu to install the operating system, just as you would install new products. If you have a multi-user system, you must also install the multi-user operating system again, and perform the logical connections for each satellite workstation, as described in the procedure.

If you are installing the operating system because of a system crash, you must follow the cold boot procedure. If you have a multi-user system, you must also re-install the multi-user operating system, and perform the logical connections for each satellite workstation, as described in the procedure.

For either the install procedure or the cold boot procedure, you need the two flexible disks that contain the operating system. These may be copies of the operating system you made when you first installed the Fortune system, or flexible disks that contain a new release of the operating system.

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INSTALL PROCEDURE

Follow these steps to install a new release of the operating system.

- 1 You must be logged in as 'manager' to perform this procedure.
- 2 On the global menu, type s5 and <RETURN> to select product maintenance.
- 3 When the product maintenance screen appears, type i and <RETURN> to select Install.
- 4 The screen prompt is 'Please insert flexible disk volume 1. Press Return.' Insert the disk labeled 1 of 2 (or #1), and press <RETURN>.
- 5 Information about the disk is placed on the screen, followed by the prompt 'Continue with installation (y/n)?'. Make sure that you have inserted volume 1 of the operating system disk, then type y and press <RETURN>.
- 6 The system begins a procedure that may take 10 to 15 minutes. During the procedure, screen messages are displayed to keep you informed. When it prompts you to remove flexible disk 1 and insert flexible disk 2, follow the instructions, then press <RETURN>.
- 7 The system begins a second procedure that may take 10 to 15 minutes. During the procedure, screen messages are displayed to keep you informed. If you have a multi-user system, a screen message reminds you that you must install the multi-user operating system. When the process is complete, remove disk 2 and press <RETURN>.

IF YOU HAVE A MULTIUSER SYSTEM, SKIP TO
STEP 11 OF THIS PROCEDURE.

- 8 If you have a single-user system with a printer, you should now perform the logical connection procedure for the printer. Type s2 and press <RETURN> to display the System Management menu.
- 9 Type 39 and press <RETURN> to display the 'change device connections' screen.
- 10 Follow the screen instructions to perform the logical connection for the printer. This completes the procedure for update of a single-user system.

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- =====
- 11 If you have a multiuser system, type **s5** and press **<RETURN>** to select Product Maintenance. When the product maintenance screen appears, type **i** and press **<RETURN>**.
 - 12 In response to the prompt, insert the flexible disk that contains the multiuser operating system. Follow the same procedure described in steps 3 through 5. This procedure takes less than five minutes. When it is done, remove the disk and press **<RETURN>**.
 - 13 Type **39** and press **<RETURN>** to display the 'Change Device Connections' screen.
 - 14 Follow the screen instructions to perform the logical connection for the printer. Be sure that you select the correct printer type, and that the baud rate you select matches the settings for your printer. The default settings may not be correct for your printer. If you have any problems, refer to Tech Tip #19.
 - 15 Follow the screen instructions to perform the logical connection for each satellite workstation. Be sure that you select the correct connector location, and that the baud rate you select matches the settings for your satellite workstation. The default settings may not be correct for your satellite workstation.
 - 16 After all logical connections have been made, follow the standard shutdown procedure, and turn off the system for a few seconds.
 - 17 Turn on the system, and follow the standard startup procedure. When the global menu is displayed, the login screen should be displayed at each satellite workstation that is turned on.

COLD BOOT PROCEDURE

Follow these steps to cold boot a system.

TO PERFORM THIS PROCEDURE, YOU MUST KNOW AN ALPHANUMERIC CODE THAT IDENTIFIES THE TYPE OF HARD DISK IN YOUR SYSTEM. THIS CODE MAY BE DISPLAYED ON THE SYSTEM CONFIGURATION DECAL ON THE BACK OF THE CPU. IF YOU CANNOT FIND THIS DECAL, CALL YOUR DEALER TO FIND THE CODE YOU SHOULD USE.

- 1 Turn off the Fortune system.
- 2 Insert the disk labeled 1 of 2 in the flexible disk drive.

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- 3 Hold down the <CANCEL/DEL> key, and turn the power on.
- 4 When the maintenance screen is displayed, make the following temporary changes.

FOR CHANGES TO THE F4 LINE, USE THE SPACEBAR TO CHANGE THE ENTRY TO "Floppy, Drive 0". FOR CHANGES TO THE F7 LINE, TYPE IN THE VALUE AND PRESS THE RETURN KEY. FOR "fd02", USE FIGURE 0, NOT LETTER O.

<u>Press function key</u>	<u>Change From</u>	<u>Change To</u>
F4	Change boot device	Floppy, drive 0
F7	Set boot file name	fd02/sa/reconf

- 5 When the changes have been made, press <EXECUTE>. Wait for the Fortune Systems Configuration menu to be displayed.

IF YOU ARE USING PASCAL, FORTRAN, OR C, YOU MUST MAKE CHANGES IN THE 'Max. Process Size AND 'Appx. # of users'. CONSULT THE INFORMATION THAT CAME WITH THE USER'S GUIDE FOR DETAILS.

- 6 Use <RETURN> to move the cursor through the entries on the configuration menu. To make changes, use the spacebar or type the information, as noted. Check the following entries.

<u>Entry</u>	<u>Should be</u>	<u>Comment</u>
Set params auto?	YES	Press the space bar to change to YES, then press <RETURN>.
Appx. # of users	(see comment)	This value should be 1 for single user systems, 3 for multiuser systems with two or three users, or 5 for multiuser systems with four or five users. The number of users is equal to the number of satellite workstations plus one for the master workstation. If necessary, type in the correct value and press <RETURN>.
Max process size	(see comment)	This value should be 256 for language users (Pascal, FORTRAN, or C), and 160 for other users. If necessary, type in the correct value and press <RETURN>.

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- 7 If you made no changes during step 6, skip to step 8. If any value on the configuration menu has been changed, first make sure all values are correct, then press function key <F1> to store the changes in the EAROM. Note that the number of times the EAROM has been changed is incremented by one.
- 8 Make the following temporary changes in the configuration menu.

<u>Entry</u>	<u>Should be</u>	<u>Comment</u>
Root device	fd02	Type in fd02 and press <RETURN>.
Swap device	fd01	Type in fd01 and press <RETURN>.

- 9 When the entries are correct, press <F3> (F3 = GO). Wait for the boot prompt to appear.

- 10 When the boot prompt appears, type **fd02/unix** and press <RETURN>. The system displays the normal power up message

Fortune Systems 32:16 Please Wait
1 2 3 4 5 6 7 8 9

- 11 When the next screen appears, press <F1> to indicate that you want to erase the hard disk. Other selections are not implemented and do not function properly.

- 12 Press <F2> for no to have the system check for any bad blocks. |

- 13 Now you'll see a screen with many codes. Find the code that matches the code on the system configuration decal, or determine the proper code for your system from your dealer. Type the number on the screen that is next to the code, and press <RETURN>. The system will go through a procedure that takes 20 minutes or more, then display the screen you saw in step 12. You should be able to answer yes (press <F1>), and go on to step 14.

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- 14 The next screen you see requires that you choose a range of users. The selection should match the selections you made in step 6. Language users should consult the appropriate reference documents.

If the number of users
in your system is:

Press this key:

1 (single-user)

F1

2 or 3

F2

4 or 5

F3

FROM THIS POINT ON, YOU MUST ALLOW THE SYSTEM TO CONTINUE UNTIL A SCREEN MESSAGE DISPLAYS THE NEXT STEP. DO NOT PRESS ANY KEYS OR ATTEMPT TO REMOVE A DISK UNLESS THE SYSTEM STOPS, OR DISPLAYS A MESSAGE THAT REQUESTS ACTION BY YOU.

- 15 From this point, follow the instructions as they appear on the screen. In response to the message 'You must power the system off and on again (or reset)', set the power switch to off for a few seconds, then on again. DO NOT REMOVE THE FLEXIBLE DISK.
- 16 The screen will fill with messages during the sequence. When the message 'Finished with floppy #1. Remove it and insert floppy #2.' appears, you can replace disk #1 with disk #2 while other messages are being displayed.
- 17 When the message 'Is floppy #1 replaced with #2 yet (y or n)?' appears, make sure that flexible disk #1 has been replaced by disk #2, then respond by typing y and press <RETURN>.
- 18 The procedure continues from this point to the normal power up sequence, and displays the normal power on message:

Fortune Systems 32:16 Please Wait
1 2 3 4 5 6 7 8 9

- 19 After the power-up sequence is complete, the date and time screen is displayed. Follow the normal procedures for typing in the date and time.
- 20 Log in as 'manager'.

IF YOU HAVE A MULTIUSER SYSTEM, SKIP TO STEP 24 OF THIS PROCEDURE.

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- 21 If you have a single-user system with a printer, perform the logical connector for the printer now. Type **s2** and press **<RETURN>**.
- 22 Type **39** and press **<RETURN>** to display the 'Change Device Connections' screen.
- 23 Follow the screen instructions to perform the logical connection for the printer. This completes the procedure for update of a single-user system.
- 24 If you have a multiuser system, type **s5** and press **<RETURN>** to select 'Product Maintenance'. When the product maintenance screen appears, type **i** and press **<RETURN>**.
- 25 In response to the prompt, insert the flexible disk that contains the multiuser operating system. Follow the same procedure described in steps 3 through 5. This procedure takes less than five minutes. When it is done, remove the disk and press **<RETURN>**.
- 26 Type **39** and press **<RETURN>** to display the 'Change Device Connections' screen.
- 27 Follow the screen instructions to perform the logical connection for the printer. Be sure that you select the correct printer type, and that the baud rate you select matches the settings for your printer. The default settings may not be correct for your printer. If you have any problems, refer to Tech Tip #19.
- 28 Follow the screen instructions to perform the logical connection for each satellite workstation. Be sure that you select the correct connector location, and that the baud rate you select matches the settings for your satellite workstation. The default settings may not be correct for your satellite workstation.
- 29 After all logical connections have been made, follow the standard shutdown procedure, and turn off the system for a few seconds.
- 30 Turn on the system, and follow the standard startup procedure. When the global menu is displayed, the login screen should be displayed at each satellite workstation that is turned on.

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PRODUCT: BAS General Ledger RELEASE LEVEL: all current TIP NUMBER: 27.1
SUBJECT: Trial Balance 'doubling' DATE: 02/15/83
=====

THIS TECHNICAL TIP IS RESCINDED WITH 1.1 BAS

DESCRIPTION: The General Ledger Trial Balance report displays duplicate amounts and balances under a variety of conditions.

BACKGROUND: The update flag in the General Ledger Transaction file is being ignored by the Trial Balance, resulting in a duplication of transactions and balances.

PROCEDURE:

- 1 Select b1 (Business Applications) from the Global Menu.
- 2 Enter a valid operator code.
- 3 Type UTL <RETURN>.
- 4 Select 20 BASIC--GOTO BASIC CONSOLE MODE
- 5 The screen will clear and respond with a > prompt.
Type:

LOAD "CGLRC0" <RETURN>

7060 READ (3, END=07200,ERR=08000)A3\$,B3\$,C3,*,U3\$
<RETURN>

7075 IF U3\$="X" GOTO 7060 <RETURN>

7415 IF E7=0 AND H7=1 GOTO 7445 <RETURN>

7475 C(0)=B(12) <RETURN>

DELETE 7540 <RETURN>

SAVE "CGLRC0" <RETURN>

RUN "DOL" <RETURN>

The procedure is complete.

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PRODUCT: BAS (All Applications) RELEASE LEVEL: 1.0 TIP NUMBER: 28.1
SUBJECT: End of Day Procedure DATE: 01/31/83
=====

DESCRIPTION: The documentation provided with the applications gives conflicting information about the 'Mkfs (yes,no,quit)' question during the End of Day Procedure.

BACKGROUND: The 'Mkfs' command in UNIX stands for 'make file system'. Within the business applications, the answer to this question should always be 'yes'. This will erase any information previously recorded on the flexible disk, and create a new file system to be used for the current backup.

Both the Business Applications (B1) and the Operator Training (T3) selections have access to the End of Day Procedure. However, the Operator Training files can only be backed up using the Product Maintenance (S5) selection 'b' - Backup and 'b1T' - Operator Training.

PROCEDURE: The documentation for all Business Applications - Operator Training - clearly states to answer **q** (quit) to the 'Mkfs' question. If the user types in **y** (yes), the training files will not be backed up, but the "live" data files (B1) **WILL** be backed up!

When using the Business Applications (B1), always answer **y** (yes) to the 'Mkfs' question. Answering **q** (quit) bypasses the ability to backup, but clears the operator statistics and the file maintenance transaction files.

UNDER NO CIRCUMSTANCES SHOULD YOU ANSWER 'NO' TO THE 'Mkfs' QUESTION!!

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TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: UNIX Operating System **RELEASE LEVEL:** all **TIP NUMBER:** 29.1
SUBJECT: System Management - 'mount / unmount ' **DATE:** 01/31/83
=====

DESCRIPTION: How to access the flexible disk drive through UNIX, using the 'mount' and 'umount' commands. Note that to unmount the drive, the command is 'umount' (without the 'n').

BACKGROUND: It is possible to create a new "command" that will perform these functions with a single key stroke, thus avoiding tiresome repetition and aggravating misspellings. This is accomplished by 'programming' the function keys <F1> through <F16>.

PROCEDURE: 1 Login in as 'root', and from the # prompt, type:

echo "/etc/mount /dev/fd02 /f" > <F1> <RETURN>

to 'mount' the flexible disk by programming function key <F1>.

2 From the # prompt, type:

chmod 755 <F1> <RETURN>

3 To 'unmount' the flexible disk by programming function key <F2>, type:

echo "/etc/umount /dev/fd02" > <F2> <RETURN>

From the # prompt, type:

chmod 755 <F2> <RETURN>

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PRODUCT: BAS General Ledger RELEASE LEVEL: 1.0 TIP NUMBER: 30.1
SUBJECT: Chart of Accounts Report headings DATE: 01/31/83
=====

THIS TECHNICAL TIP IS RESCINDED WITH 1.1 BAS

DESCRIPTION: The page heading on the Chart of Accounts report will be incorrect under the following conditions:

- o The Monthly Histories question is answered 'yes'.
- o The company code requested has a fiscal year which ends in a month other than December.

BACKGROUND: The Chart of Accounts report is not looking at the General Ledger period control record to match month names with period numbers.

PROCEDURE:

1. Select B1 Business Applications from the Global Menu.
2. Enter a valid operator code.
3. Type UTL <RETURN>.
4. Select 20 BASIC--GOTO BASIC CONSOLE MODE <RETURN>.
5. From the > prompt, type the following series of commands:

```
LOAD "CGLRG0"      <RETURN>
155 DIM H(12)      <RETURN>
160 FIND (7,KEY="*G"+C9$,DOM=180)
*,*,*,*,*,*,*,*,H(1),H(2),H(3),H(4),H(5),H(6)
,H(7),H(8),H(9),H(10),H(11),H(12)      <RETURN>
170 GOTO 200      <RETURN>
180 INPUT (0,ERR=180,LEN=1)@(0,22),
'CL',"CANNOT FIND CLOSING PERIOD RECORD,
RETURN TO END",*      <RETURN>
185 GOTO 9000      <RETURN>
```

continued....

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```
400 H1$="JANFEBMARAPRMAYJUNJULAUGSEPOCTNOVDEC
",H2$="CUR. " <RETURN> (NOTE: Two
spaces before
end quotes)
```

```
410 FOR H1=1T012 <RETURN>
```

```
420 LET H2=100*FPT(INT(H(H1)*.01)*.01)
<RETURN>
```

```
430 LET H2$=H2$+H1$(H2*3-2,3)+ "
<RETURN>
```

NOTE: There are 8 blanks between the quotes.

```
440 NEXT H1 <RETURN>
```

```
450 LET H2$=H2$(1,132) <RETURN>
```

```
7660 PRINT(6)@(0),H2$ <RETURN>
```

```
SAVE "CGLRG0" <RETURN>
```

```
RUN"CUTSA0" <RETURN>
```

This completes the procedure.

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PRODUCT: BAS Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 31.0
SUBJECT: Sales Journal - Error 47 **DATE:** 01/01/83
=====

THIS TECHNICAL TIP IS RESCINDED WITH 1.1 BAS

DESCRIPTION: If a company name is exactly 30 characters long, the Sales Journal will produce an ERROR 47 while attempting to print.

PROCEDURE:

- 1 From the Global menu, select **b1** Business Applications.
- 2 Enter a valid operator code.
- 3 Enter **UTL** <RETURN>.
- 4 Select **15** PROGRAM SEARCH AND REPLACE <RETURN>.
- 5 For the disk number, type:
 1 <RETURN>
- 6 For the file name, type:
 CARRB2 <RETURN>
 Press <RETURN>
- 7 Press <F2> to replace.
- 8 Press <F2> to bypass verification.
- 9 Press <F1> for a hard copy.
- 10 Select printer **LP** <RETURN>.
- 11 Type **7812** <RETURN> for the starting line.
- 12 Type **7818** <RETURN> for the ending line.
- 13 Type **"))** <RETURN> as the search characters.
- 14 Type **") - 1)** <RETURN> as the replacement characters.
- 15 Press <RETURN> to end the search character definition.
- 16 The program will display each statement as it is being changed. When the prompt 'ENTER DISK NAME OR NUMBER' is displayed, press <F4> to exit the utility.
- 17 Press <F4> again to return to the Business Applications selector.

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PRODUCT: BAS Accounts Payable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 32.0
SUBJECT: Open Accounts Payable Report - Vendor Balances **DATE:** 01/01/83
=====

DESCRIPTION: Vendor codes beginning with the letter 'V' are not being handled correctly by the Open Accounts Payable Report. Also, the message 'VENDOR BALANCE NOT EQUAL TO OPEN PAYABLE' appears after each vendor record is printed.

PROCEDURE:

- 1 From the Global menu, select **b1** Business Applications.
- 2 Enter a valid operator code.
- 3 Type **UTL** <RETURN>.
- 4 Select **15** PROGRAM SEARCH AND REPLACE <RETURN>.
- 5 From the > prompt, type:
1 <RETURN> for the disk number.
- 6 Type **CAPRB0** <RETURN> for the file name.
Press <RETURN>
- 7 Press <F2> to replace.
- 8 Press <F2> to bypass verification.
- 9 Press <F1> for a hard copy.
- 10 Press **LP** <RETURN> for the printer type.
- 11 Type **1130** <RETURN> for the start line.
- 12 Type **1130** <RETURN> for the ending line.
- 13 Type **(1,1)** <RETURN> for the search characters.
- 14 Type **(1,6)** <RETURN> for the replacement characters.
- 15 Type **"V"** <RETURN> for the search characters.
- 16 Type **"VENDOR"** <RETURN> for the replacement character.
- 17 Press <RETURN> to end the search.
- 18 The program will display each statement as it is being changed. When the prompt 'ENTER DISK NAME OR NUMBER' is displayed, press <F4> to exit the utility and <F4> again to return to the main Business Applications selector.

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PRODUCT: BAS Accounts Payable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 33.0
SUBJECT: Accounts Payable Adjustments Entry **DATE:** 01/01/83
=====

DESCRIPTION: Error 1 is encountered during Accounts Payable adjustment entry due to an improper record size of file CAPAD.

PROCEDURE:

- 1 From the Global menu, select **b1** Business Applications.
- 2 Enter a valid operator code.
- 3 Type **UTL** <RETURN>.
- 4 Select **17** FILE TRANSFER AND EXPAND <RETURN>.
- 5 For the file name, type:
 CAPAD <RETURN>
- 6 For the disk number, press <RETURN>.
- 7 For the key size, press <RETURN>.
- 8 For the record size, type
 52 <RETURN>
- 9 For the total records, press <RETURN>.
- 10 Press <RETURN> to end the file name prompt.
- 11 Press <RETURN>.
- 12 Press <F4> to end the procedure.
- 13 Press <F4> to return to the BAS selector screen.
- 14 Perform the **START OF DAY** procedure (selection 1 under the Business Utilities menu) to save the new file parameters within BASIC.

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PRODUCT: FORTUNE:WORD RELEASE LEVEL: 1.0 TIP NUMBER: 34.0
SUBJECT: HELP command/displays DATE: 01/01/83
=====

DESCRIPTION: The word processing HELP screen displays a list of commands that enables the operator to view explanatory text. Half way down the list, the first letter of each command is missing.

PROCEDURE: These steps must be repeated each time FORTUNE:WORD is re-installed.

- 1 Logon as 'root'.
- 2 From UNIX, type:
ed /usr/help/wpedhelp <RETURN>
- 3 The screen will display the number 21156. Type:
66s/\$/ / <RETURN>
235s/,// <RETURN>
245s/,// <RETURN>
482s/,// <RETURN>
w <RETURN>
- 4 The screen will display the number 21154. TYPE:
q <RETURN>
- 5 Simultaneously, press <CTRL> and **d** to return to login.

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PRODUCT: FORTUNE 32:16 System **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 35.0
SUBJECT: Diagnostics Procedure for 20 megabyte hard disk **DATE:** 01/01/83
=====

DESCRIPTION: How to run the diagnostics program for a system with a 20 megabyte hard disk. (Ampex PYXIS, Model 27)

- PROCEDURE:** The first step is to get to the maintenance menu.
- 1 Perform the shutdown procedure.
 - 2 Once the system has been turned off, hold down the **<CANCEL/DEL>** key and press the power switch back to the ON position.
 - 3 The system will display the maintenance menu.
 - 4 Insert the Field Engineering Diagnostic Floppy.
 - 5 Press **<F4>** and press the space bar until the setting reads **Floppy, drive #0**
 - 6 Press **<F7>** and type: **fd02/fids <RETURN>**
 - 7 Press **<EXECUTE>**.
 - 8 The system displays **1 2 3** and then advances to the Fortune Diagnostics Main Menu. The remaining steps explain the changes to be made.
 - 9 Change "Slot = B" to "Slot = E".
 - 10 Change "Drive type = ST506" to "Drive type = Other".
 - 11 Press **<EXECUTE>**.
 - 12 Type: **init <RETURN>**.

continued.....

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- 13 Use the number keys along the top of the keyboard and change to these settings:

# of Cyls	=	320
# of Heads	=	8
RWC CYL	=	132
WPERCMPCYS	=	132
ECC Length	=	11

- 14 Press <EXECUTE>.

- 15 Press <F9>.

- 16 Run the "Cyclic Device Test" in the usual way, pressing <RETURN> to accept the default values, or resetting the values as necessary.

Note: The END BLOCK should now equal 40959.

- 17 Press <EXECUTE>.

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PRODUCT: Business BASIC **RELEASE LEVEL:** all current **TIP NUMBER:** 36.0
SUBJECT: Communications Within BASIC **DATE:** 01/01/83
=====

DESCRIPTION: 'Helpful Hints' for communication within Business Basic.

Remember that some systems use the ASCII code with the high order (parity) bit 'on'. Use the TABLE directive for conversion purposes.

**CAUTION : INCORRECT CABLE CONFIGURATION CAN CAUSE MAJOR
DAMAGE TO THE FORTUNE 32:16 AND/OR THE DEVICE CONNECTED!**

The FORTUNE 32:16 RS-232/C port has the following connections:

<u>Pin #</u>	<u>Signal</u>	<u>Direction</u>
1	frame ground	--
2	transmitted data	to DCE
3	received data	from DCE
4	request to send	to DCE
5	clear to send	from DCE
6	data set ready	from DCE
7	signal ground	--
8	data carrier detected	from DCE
9	+ 12 volts DC	--
10	- 12 volts DC	--
20	data terminal ready	to DCE
25	busy	from DCE

The 'usual' cable configuration is as follows:

Pin	1 > 1
	2 > 2
	3 > 3
	4 > 4
	5 > 5
	6 > 6
	7 > 7
	8 > 8
	9 carries DC voltage - do not connect
	10 carries DC voltage - do not connect
	20 > 20
	25 > 25

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PRODUCT: BAS Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 37.0
SUBJECT: Invoice Entry - Deletion option **DATE:** 01/01/83
=====

DESCRIPTION: When entering invoices in Accounts Receivable through the Invoice Entry procedure, ERROR 46 is encountered if:

- o The invoice is deleted either by answering no to the 'INVOICE CORRECT? (Y/N)' question.
- o The invoice is not accepted during the credit check.

PROCEDURE:

- 1 Select b1 Business Applications from the Global Menu.
- 2 Enter a valid operator code.
- 3 Type **BASIC** <RETURN>.
- 4 The screen will clear, and 'READY' will be displayed. Type the following series of commands:

```
LOAD "CSDA3"    <RETURN>
7605 05$=FID(6,ERR=7640)    <RETURN>
7607 IF 05$(4,5)<>"CNTRK" RETURN    <RETURN>
SAVE "CSDA3"    <RETURN>
RUN "DOL"    <RETURN>
```

The procedure is now complete.

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PRODUCT: FORTUNE:WORD **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 38.1
SUBJECT: Message: "Document Doesn't Exist" **DATE:** 01/31/83
=====

DESCRIPTION: When trying to access or edit an existing word processing document, this error message is displayed:

Document doesn't exist

DIAGNOSIS: The filename was not found in the current working directory, usually for one of three reasons:

- a) The filename entered is incorrect
- b) The document is located in a different directory
- c) The document was deleted.

To determine the name and location of the missing file, follow these steps:

- 1 Check for proper spelling of the filename entered.
- 2 Verify the current directory by checking this message at the bottom of the word processing menu:

Creation library is /u/(account name)

- 3 Select **INDEX** from the word processing menu to see if the file is in the working directory. If it is not, other directories will have to be searched.

If it is known in which directory the document is located, go back to step 1; otherwise, continue with step 4.

- 4 If the document is not in the expected directory, or if the user has no idea where the document is, you must enter UNIX and use the command 'find' to locate the file (if it exists). Follow these steps:

- a. Logon as 'manager'.
- b. At the global menu, enter an exclamation mark (!) and press <RETURN>. A # sign will display indicating UNIX.
- c. Enter the filename in single quotation marks using this command:

find / -name 'filename' -print <RETURN>

The full pathname for every occurrence of that filename will display.

continued.....

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- d. If unsure of the exact filename, enter a portion of what is thought to be the filename, followed by an asterisk (*) within single quotes. This will display the full pathname for every occurrence of filenames that have the prefix you requested. For example:

'filename*' <RETURN>

PROCEDURE:

Once the correct file and directory name is known, the document can be accessed in one of two ways (providing the user has read permission for that document):

- a. From the current working directory, select **Edit Old Document** from the menu and enter the full pathname of the document.
- b. Change directories by first selecting **Supervisory Functions** from the word processing menu, and then call up the document by its filename.

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PRODUCT: FORTUNE:WORD RELEASE LEVEL: 1.0 TIP NUMBER: 39.0
SUBJECT: INDENT Command DATE: 01/01/83

DESCRIPTION : There are several known bugs which occur using the INDENT command in FOR:WORD version 1.0. These bugs appear when specific keystrokes are performed while entering or editing a document.

The specific keystroke sequence and the correction or work-around for each are listed below. These problems will be fixed in subsequent releases of FOR:WORD and FORTUNE:WORD PLUS.

Situation: Page Breaks Within Indented Text

If page breaks are inserted within indented text, either manually while keying in a document, or later via the Hyphenation and Pagination Advanced Feature, the text following the page break will not be indented.

Solution: Insert a <RETURN> after the last character in the line before the page break. Insert an <INDENT> before the first character of the line following the page break. The text before and after the page break will now be indented.

Situation: Changing indented text back to a non-indented format:

The following steps detail the series of keystrokes usually taken when a user wants to change indented text back to a non-indented format. The end-result, in this particular situation, is a non-useable screen display and printout.

- a. The user creates a document using the standard default format line.
- b. A line of text is entered that extends to within six spaces of the end of the format line. The line is ended with a <RETURN>.
- c. <INDENT> (the <F1> key) is pressed, and several lines of text are entered, allowing them to automatically wrap. End the last line with a RETURN.

continued.....

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- d. Move the cursor to the end of the first line entered (step b) and press <DELETE> to remove the <RETURN>. The entire previously indented text will now be displayed down the screen, one character beneath the other, after the position of the indent. (A printout out at this point will print the characters one beneath the other at the right-hand margin.)
- e. If the user now removes the INDENT character, the text will be redisplayed across the screen but with a space between each character (The printout will look the same).

Solution: Once the text appears with spaces the only solution is to go through the text and delete the unnecessary spaces. This could be cumbersome with a lot of text and it is probably easier to delete all the garbled lines and re-enter them.

Prevention: To change indented text back to a non-indented format, delete the INDENT before deleting any <RETURN>s; not after, as in steps c through e.

Situation: Moving indented text to a position before other indented text:

When you <MOVE> a block of indented text (including the <INDENT> character) to another block of indented text, and the cursor is over the new position's <INDENT> character, the system will sometimes return to the FOR:WORD menu. This occurs when a special attribute (such as bold, underline, double underline, or overstrike) is turned on anywhere before the block of text to which you are moving.

Solution: Once the system has returned to the FOR:WORD menu, any data entered after the last document "save" is lost. If the document was saved at least once before, select the document and re-enter the data that was lost. Do not turn on any special attributes before the the block of indented text where the move is to occur. The special attributes may be turned on after the move is completed.

Prevention: This is one of several bugs that occur in the <MOVE> function. Until the next release of FOR:WORD, it is suggested that a document be "saved" prior to doing a <MOVE> or <COPY> function. In addition, if a document will contain a lot of indented text and possible <MOVE>'s of this text are expected, wait until the text is completely entered before turning on any special attributes.

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Situation: Using <INDENT> and <TAB> in the <INSERT> mode, combined with a space being the last possible position in a line.

A typical use for this series of keystrokes is when an entire paragraph(s) is indented from the normal text and the first line of that paragraph(s) is also indented. To explain this situation:

- a. Select <INSERT> mode.
- b. Press <F1> for <INDENT>.
- c. Press <TAB>. Enter a line of text that ends with a space exactly on the last position of the format line. When the line wraps, it will return to the <TAB> position rather than the INDENT position.

Solution: To work around the problem, complete the <INSERT> procedure by pressing <EXECUTE>. When <EXECUTE> is pressed, the text will align to the proper position.

Situation: Using <INDENT> in the <INSERT> mode combined with a space being the last possible position in a line.

This bug is similar to Problem #4 previously described. To create the situation, follow these steps:

- a. Select <INSERT> mode.
- b. Press <F1> for <INDENT>. Enter a line of text ending with a space on the last position of the format line. When the text wraps, it will not wrap to the <INDENT> position, but rather to the tab position following the indent tab shown on the format line. Ending subsequent lines with spaces on the <RETURN> position will cause the indent to begin at different positions (not necessarily where tabs are set).

Solution: To work around the problem, complete the <INSERT> procedure by pressing <EXECUTE>. This will align the text to the proper position.

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PRODUCT: FORTUNE:WORD **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 40.0
SUBJECT: Printer 'hangs' during document printing **DATE:** 01/01/83
=====

DESCRIPTION: Printer hangs before printing the first page of a specific document, or before printing a page in the middle of a specific document.

BACKGROUND: If the page contains a line that wraps with a space in the last possible position of the line, and the next line begins with one or more spaces followed by an <INDENT>, the printer will hang when the software formats the page that has this sequence of characters. Until the software is modified in a future release, the extraneous spaces before the <INDENT> must be deleted.

PROCEDURE: Locate the place in the document where there is a line wrap on a space followed by one or more spaces before the <INDENT> on the next line. For example, if a ten-page document was being printed, and the printer hung before printing page seven, then begin searching for this sequence of characters on page seven. Do the following:

1. Go to the page of the document that was to print before the printer hung.
2. Move the cursor over the first <INDENT> character and press the left-arrow cursor control key. If the cursor moves to the left of the <INDENT> character rather than to the end of the previous line, a space exists before the <INDENT> and it must be deleted.

NOTE: If the cursor moves to the previous line, continue to perform Step 2 until the problem sequence of keystrokes is found.

3. Press <DELETE>. Deleting the extra space(s) will not affect the position of the <INDENT>. Again, move the cursor over the <INDENT> character and press the left-arrow cursor control key. If the cursor moves to the left rather than to the end of the previous line, there is still another space to be deleted. Repeat this procedure until all spaces before the <INDENT> character are deleted.
4. Repeat steps 2 and 3 for the remainder of the document.

continued.....

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=====

TESTING:

Reprint the document starting with the page that did not previously print. If the printer still hangs in a particular place of a specific document, recheck the document for the problem sequence of spaces and characters. If the printer still hangs, then another problem must also exist within the document or printer.

PREVENTION:

When text is going to be indented, enter a <RETURN> at the end of the last line before the indented text. Then, repeat tabs or indents to the proper indent position--do not enter spaces before the INDENT character.

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PRODUCT: FORTUNE:WORD **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 41.0
SUBJECT: Special Character Attributes using <MODE> **DATE:** 01/01/83

DESCRIPTION: There are three problems known when using the special character attributes via the <MODE> key.

Situation: Depression of the <MODE> key will not activate bold, underline, double underline, or overstrike for the first character of a new document. The problem also exists at the end of an existing document.

Solution: <INSERT> must first be pressed to activate a special mode when the entry is at the beginning of a new document or at the end of an existing document.

NOTE: If, for a new document, <INSERT> is pressed before <MODE> in order to activate the mode, there is a danger of hanging the system if the following keystrokes are entered in this sequence:

1. Create a new document.
2. Press <INSERT> as the first keystroke.
3. Select <MODE> and the special character, and begin to enter text.
4. If you press the <CANCEL/DEL> key (to cancel the INSERT mode), the system will BEEP and 'hang', and must be reset. Therefore, do NOT cancel the <INSERT> mode in this situation. Instead complete it with <EXECUTE> and then go back and correct the erroneous text.

Situation: When boldfacing text, the screen will appear as it should, but the printout will not be in boldface. This problem occurs when the bold attribute is placed over the first <TAB> or <INDENT> in a line preceding bolded text.

Solution: Turn off the boldface attribute over the <TAB> or <INDENT> character and then place it directly over the first character of text to be in boldface.

continued.....

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Situation: When copying or moving text that is displayed in any of the special attributes such as boldface, underline, double underline, or overstrike the attribute is not copied or moved with the text.

Solution: The special attribute is actually turned on and recognized by the software one position before the text. In order to copy the attribute along with the text, begin the MOVE or COPY on the space before the text begins. If the ending attribute is also desired, the MOVE or COPY must highlight to one position beyond the last character.

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PRODUCT: FORTUNE:WORD **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 42.1
SUBJECT: Entering/Editing Text **DATE:** 01/31/83

DESCRIPTION: This technical tip contains a listing of known keystroke sequences which will cause the system to 'hang'. The only possible correction is to RESET the system. The only prevention is to avoid each of these series of keystrokes.

These known bugs will be fixed in subsequent releases of FOR:WORD and FORTUNE:WORD PLUS.

Situation: In the <INSERT> mode, pressing the <MODE> key and special character (for underline, double underline, bold, or overstrike), and then typing text, <RETURN>, and <BACKSPACE> will 'hang' the system, necessitating a reset. Data entered since the last "save" is lost.

Situation: A new document is created, beginning with <RETURN>'s. A subsequent line contains <CENTER> and a line of text, using all spaces on the line, and ending with <RETURN>. Subsequent lines are entered, using <CENTER> and <RETURN>. If you delete the <RETURNS> at the beginning of the document, the system responds with the message "Rearranging" and hangs.

Situation: At certain times, the use of <SUPER-MOVE> and <SUPER-COPY> can result in 'hardware error #120', and hang the system. Using <MOVE> or <COPY> within the same document to move several pages AT ONE TIME may also hang the system.

Although this problem seems to occur more often when working with very large documents or large blocks of text, it is recommended that you "save" your documents before doing a <SUPER-MOVE>, <SUPER-COPY>, <COPY>, or <MOVE>. This will prevent the loss of data until the exact keystrokes and parameters causing this problem are fully known and the software can be corrected.

Situation: If on a newly created document the first series of keystrokes is a <MODE> selection in the <INSERT> mode, there is a danger of hanging the system if <CANCEL/DEL> is pressed. Therefore, do NOT cancel the <INSERT>, but press <EXECUTE> to accept the erroneous entries, and then go back and correct the text.

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Situation:

In a document with multiple format lines, it is possible to copy an existing format line to another part of the document with the commands <INSERT>, <COPY>, and <FORMAT>. If an alternate format line is to be copied to a position directly before a <CENTER>ed line, the alternate format line must be longer than the <CENTER>ed text line. If the alternate format line being copied is shorter than the <CENTER>ed text and the <INSERT>, <COPY>, and <FORMAT> commands are done with the cursor over the <CENTER> mode character, the system will hang.

If the shorter format line must be used, the only way to avoid hanging the system is to insert a <RETURN> before the <CENTER>ed text, and then do the <INSERT>, <COPY>, and <FORMAT> commands over the <RETURN> character. The centered text will then line wrap as it should. DO NOT DELETE THE <RETURN> ANY TIME THEREAFTER OR THE SYSTEM WILL HANG.

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PRODUCT: BAS (All Applications) **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 43.1
SUBJECT: DOL operator code is deleted **DATE:** 01/31/83

DESCRIPTION: Operator code 'DOL' is delivered with all of the Business Applications, and IDOL as the master code with access to all functions. If this operator code is deleted before setting up a new operator code with the ability to access the system utilities, the utility procedures can never be performed.

PROCEDURE:

- 1 Select 'bl' Business Applications from the Global Menu.
- 2 Press <ESC> .
- 3 Type C <RETURN>.
- 4 The screen displays the > sign prompt.
 Type the following commands:

 BEGIN <RETURN>

 DELETE <RETURN>

 OPEN (1)"CCNVZ" <RETURN>

 **WRITE (1,KEY="ODOL")"ODOL", "MASTER OP
 CODE", "ALL"** <RETURN>

 BEGIN <RETURN>

 RUN "DOL" <RETURN>

Operator code 'DOL' has now been restored.

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- 2 Log in as 'root'. A # sign will display when you are in the UNIX command mode.
- 3 Enter the following series of commands.

```
cd /usr/ucb <RETURN>
mv lpr lpr.real <RETURN>
ed lpr.nobanner <RETURN>
```
- 4 The system responds with '?lpr.nobanner'. Type:

```
a <RETURN>
cat > /dev/lp <RETURN>
. <RETURN>
w <RETURN>
e lpcontrol <RETURN>
```
- 5 The system responds with '?lpcontrol'. Type:

```
a <RETURN>
while <RETURN>
<TAB> echo -n 'Do you want the banner page
disabled? (y/n):' <RETURN>
<TAB> read answer <RETURN>
do <RETURN>
<TAB> case $answer in <RETURN>
<TAB> y*) if cp -lut /usr/ucb/lpr.nobanner
/usr/ucb/lpr <RETURN>
<TAB> <TAB> then <RETURN>
<TAB> <TAB> <TAB> echo '( <CTRL>g) Banner page
disabled. Print spooler is bypassed.' <RETURN>
<TAB> <TAB> fi <RETURN>
<TAB> <TAB> break <RETURN>
<TAB> <TAB> ;; <RETURN>
```

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```
<TAB> n*) if cp -lut /usr/ucb/lpr.real
/usr/ucb/lpr <RETURN>

<TAB> <TAB> then <RETURN>

<TAB> <TAB> <TAB> echo '(<CTRL>g) Banner page
enabled. Print spooler is reinstated.' <RETURN>

<TAB> <TAB> fi <RETURN>

<TAB> <TAB> break <RETURN>

<TAB> <TAB> ;; <RETURN>

<TAB> *) echo "(<CTRL>g) Please answer 'y'es or
'n'o.'";; <RETURN>

<TAB> esac <RETURN>

done <RETURN>

. <RETURN>

w <RETURN>

q <RETRUN>

chmod 777 lpc* lpr* /usr/ucb <RETURN>
```

6. Press <CTRL> and 'd' simultaneously and log in with your normal account name.

TESTING:

To see the shellscript created to offer the enable/disable print option, from the Global Menu, type:

```
llpcontrol <RETURN>

y <RETURN>          disables banner printing,
                    using the normal 'lpr'
                    program).

n <RETURN>          enables the banner printng.
```

NOTE: Do not switch banner print modes when anything is printing.

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PRODUCT: MULTIPLAN **RELEASE LEVEL:**1.0 **TIP NUMBER:** 46.0
SUBJECT: Double Space Printing **DATE:** 01/01/83

DESCRIPTION: Multiplan spreadsheet prints with double line spacing, if, prior to printing in Multiplan, the user printed a FOR:WORD document using the "draft" style print option. The "draft" style allows the document to print out **double-spaced**; however, FOR:WORD is not turning off the double spacing attribute after the document prints. This problem will be corrected in the next release of FOR:WORD.

PROCEDURE: To return to single line spacing for Multiplan, follow these steps:

- 1 Select FOR:WORD and print any document in 'final' style form.
- 2 Allow the document to print, or cancel the printing by selecting 'Print Control' from the menu and pressing <EXECUTE>.
- 3 Select MULTIPLAN and print the desired spreadsheet, which will be in single spacing.

PREVENTION: Before exiting FOR:WORD, the last print request should be in "final" style.

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- 7 The system will respond with a line of text. Type:
- 7500 IOLIST A6\$,B6\$,C6\$,D6\$,E6\$,A6,G6\$,H6\$,B6,C6,D6,
E6,F6,G6,I6,J6\$,K6\$,L6\$ <RETURN>
- 7510 EXTRACT (4,KEY=A8\$) IOL=7500 <RETURN>
- 7520 A6=T0 <RETURN>
- 7530 WRITE (4) IOL=7500 <RETURN>
- 7540 RETURN <RETURN>
- SAVE "CAPRB0" <RETURN>
- RUN "DOL" <RETURN>
- 8 Press <F4> to return to the Business Applications
menu.
- 9 Select 2. ACCOUNTS PAYABLE <RETURN>.
- 10 Be certain the printer is on and in the 'on line'
mode. Select 14. OPEN PAYABLES REPORT <RETURN>.
- 11 If you have a multi-company system, type V <RETURN>
to print the report by vendor. Allow the report to
print and finish normally.
- 12 When the report finishes, the Accounts Payable
selector screen will display. Type the following:
- BASIC <RETURN>
- LOAD "APFIX" <RETURN>
- SAVE "CAPRB0" <RETURN>
- ERASE "APFIX" <RETURN>
- RUN "DOL" <REUTRN>

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TEST:

Reprint the Open Payables Report. The vendor balances should be corrected and in line with the invoice detail.

IMPORTANT:

If the procedure did not work, or parts of it were skipped, perform the 'START OF DAY PROCEDURE' to restore your data and program files, and repeat the ENTIRE procedure.

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PRODUCT: BAS - Payroll **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 49.1
SUBJECT: Check Printing causes Dup. YTD Emp. Record **DATE:** 05/15/83
=====

THIS TECHNICAL TIP HAS BEEN RESCINDED WITH BAS 1.1

DESCRIPTION: If an employee does not have a year-to-date record established, when the first paycheck is issued for that employee, the year-to-date amounts displayed on the paycheck are that of the previous employee's paycheck.

PROCEDURE:

- 1 From the global menu, select:

 bl Business Systems <RETURN>
- 2 Type in a valid operator code.
- 3 Type: **BASIC** <RETURN>.
- 4 From the > prompt, type the following series of commands:

 LOAD "CPRRC3" <RETURN>

 EDIT 7030 C[=A]R[1] <RETURN>
- 5 The system responds with the line:

 07030 READ(3,KEY=A1\$,DOM=07031,ERR=0800)IOL=00050

 Type:

 7005 DIM A(11),B(11),C(11),D(5),H(7),I(7) <RETURN>

 7005:;LET B3=0,C3=0 <RETURN>

 SAVE "CPRRC3" <RETURN>

 RUN "DOL" <RETURN>

The procedure is complete.

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PRODUCT: UNIX Operating System **RELEASE LEVEL:** all current **TIP NUMBER:** 50.1
SUBJECT: Listing of Error Messages **DATE:** 01/01/83
=====

DESCRIPTION: This tip provides a listing of UNIX error messages found on the FORTUNE 32:16.

<u>Number</u>	<u>Message</u>
1	Block device number is illegal
2	Invalid device table entry
3	Error in swap I/O
5	No file system
6	Timeout table overflow
7	No mount table
8	Error reading root inode
9	Running a dead process
10	No more process table entries
11	No more swap space
12	No more swap space
13	Unexpected trap received
14	Kernel bus or address error
15	ROM has invalid format
16	Parity error while processing parity error
17	Refresh time out
18	initialization died
19	mfree overrun
20	zero wchan
120	parity error
121	unable to log error
122	spare table overflow
123	spurious interrupt
124	cannot read configuration block
125	invalid magic number in configuration block
126	XEBEC controller error
127	NEC command error
128	Physical I/O to an odd address
129	No more file table entries
130	No more inode table entries
131	Address in inode > 2 ²⁴
132	Negative queue flush
134	Invalid user access
135	Error doing suiword
136	Error in process queue
137	No text table entries
138	Random interrupt
139	Bad free count
140	No space
141	Bad block
142	No inodes
143	Bad count
144	Error

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PRODUCT: BAS - all applications RELEASE LEVEL: 1.0 TIP NUMBER: 51.0
SUBJECT: 'Real' vs. 'Training' Files DATE: 01/15/83

DESCRIPTION: Selection 'bl' (Business Systems) is made from the global menu, and 'real' business data is entered, via the conversion process. To test the accuracy of the data, 'test' transactions are then entered. How can this 'test' data be deleted so that 'real' data can be entered?

BACKGROUND: The documentation for each BAS application clearly states the concept of 'bl' vs. 't3' ('real' data vs. 'training data') and the fact that the operator training section of each BAS manual is to be used only with 't3'. To restate this concept,

bl Business Systems - accesses a business's real data files, and should be used only for recording actual business transactions.

t3 Operator Training - accesses the operator training files for each individual application. Test (dummy) transactions can be entered in these files only.

DIAGNOSIS: The situation revolves around the design of the 'real' data files. Specifically, each application is designed to maintain complete audit trails for all transactions. Therefore, the user is unable to delete any transactions previously entered without following proper accounting procedures. These procedures provide the audit trail necessary to show the following:

Erroneous entry + correcting entry = proper result

It is necessary to determine the extent of the 'dummy' transactions which have been entered, and, in doing so, the 'status' of the files, with regards to updates and closings. Additionally, an analysis of this information should be compared to the latest back-up of the business files that was prepared through the END-OF-DAY PROCEDURE.

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=====

PROCEDURE:

Corrective procedures depend upon the diagnosis of the current status of the files, and the procedures used or not used.

1) If the END OF DAY PROCEDURE is performed before entering 'dummy' data, restore the data files through the START OF DAY PROCEDURE. This restore process is for **ALL** the applications, not just one of them. Be aware of the effect the restore process has for any applications other than the one where the 'dummy' transactions exist.

2) If the END OF DAY PROCEDURE was not performed, transactions must be 'reversed' using the proper procedure (depends upon the application), and the subsequent reports and update procedures must also be performed to properly record the 'reversing' or 'correcting' entry.

3) If it is easier to recreate the master files (chart of accounts, closing periods, vendor master, customer master, employee master, etc.), the application can be deleted from the system and then re-installed (using s5 from the global menu).

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - all applications **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 52.0
SUBJECT: End of Day procedure generates error messages **DATE:** 01/20/83

DESCRIPTION: During the END OF DAY PROCEDURE (in all BAS applications), the following messages may be received:

cp: cannot create /tmp/partXXXXXX/filename

or

cp: cannot complete backup of volume X - Retry?

BACKGROUND: When there is more than one application on the system, there is not enough room on the flexible disk to accommodate the temporary files that are created during the copy procedure.

PROCEDURE: Login as 'root' and type:

1 **cd /b** <RETURN>

2 **ed cutug.eod** <RETURN>

3 The computer will respond with the number '2591'.
Type:

92s/B/BU/p <RETURN>

4 The computer responds with the message:

 cp -BUrt /dev/fd02 790 IDOL BAS BUTIL

Type:

92s/790 /750 150 /p <RETURN>

5 The computer responds with the message:

 cp -BUrt /dev/fd02 750 150 IDOL BAS BUTIL

Type:

w <RETURN>

6 The computer responds with the number '2596'. Type:

q <RETURN>

The procedure is complete. Press <CTRL> and 'd' simultaneously. Login as usual and retry the END OF DAY PROCEDURE.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 54.0
SUBJECT: Additional Ship-to Addresses **DATE:** 01/15/83
=====

DESCRIPTION: How to allow for more than 99 ship-to addresses for one customer.

BACKGROUND: Currently, ship-to addresses are limited to a two-digit numerical code (99 ship-to addresses). This enhancement will allow the code to be two alphanumeric characters, but not affect the reports or data entry screens which use the ship-to code.

PROCEDURE:

1 Login as usual, and select 'bl' (Business Applications) from the global menu. Enter a valid operator code and select:

3. ACCOUNTS RECEIVABLE.

2 From the Accounts Receivable master selector, type:

BASIC <RETURN>

3 From the > sign prompt, type:

OPEN(1) "*"PM090" <RETURN>

READRECORD(1,IND=0)A\$ <RETURN>

A\$(5,1)=\$41\$ <RETURN>

A\$(13,1)=\$43\$ <RETURN>

A\$(16,1)=\$02\$ <RETURN>

A\$(37,1)=\$01\$ <RETURN>

A\$(34,1)\$20\$ <RETURN>

A\$(151,5)=\$4343534D53\$ <RETURN>

WRITERECORD(1,IND=0)A\$ <RETURN>

BEGIN <RETURN>

RUN"DOL" <RETURN>

If the procedure is not successful, or a typing error is made, the Accounts Receivable programs must be re-installed, and the procedure repeated.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 55.0
SUBJECT: Receivables Entry - Service Charges **DATE:** 01/15/83
=====

DESCRIPTION: During the Receivables Entry procedure, service charges cannot be entered for more than one customer in the same month.

BACKGROUND: To enter service charges using the Receivables Entry procedure, the referencing 'invoice number' is actually the first character of the company code, followed by the letter 'S', the last two digits of the year and two digits indicating the month.

For example, headquarters (company code 'HQ') with service charges for June, 1982, would be referenced as 'HS8206'. The problem exists because the system will not allow this reference number for more than one customer within the same month.

PROCEDURE: Logon as usual, and select 'bl' (Business Applications).

1 Enter a valid operator code, and from the selector screen, type:

 *TPSD <RETURN>

2 For the file name, type:

 CIMRC <RETURN>

3 For the disk number, press <RETURN>

4 For the key size, type: 12 <RETURN>

5 For the record size, press <RETURN>

6 For the total records, press <RETURN>

7 Press <RETURN> to replace 'CIMRC'

8 Press <RETURN> and then <F4>

9 You are returned to the selector screen. Type:

 BASIC <RETURN>

continued.....

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

tip number: 55

continued:

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10 From the > sign prompt, type:

LOAD "CARUA1" <RETURN>

7220 .IF A2\$(2,1)<>"S" S=0; READ(3,KEY=A2\$,DOM=7230);
GOTO 7290 ELSE S=0; READ(3,KEY=A2\$+A1\$,DOM=7230);
GOTO 7290 <RETURN>

SAVE"CARUA1" <RETURN>

LOAD"CARUA2" <RETURN>

1110 IF A2\$(2,1)<>"S" WRITE(3,KEY=A2\$,ERR=1160)IOL=30
ELSE WRITE (3,KEY=A2\$+A1\$,ERR=1160)IOL=30 <RETURN>

SAVE"CARUA2" <RETURN>

RUN"DOL" <RETURN>

The procedure is complete. Service charge 'invoice numbers'
can now be duplicated, but invoices and debit/credit memo
numbers cannot.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - Accounts Receivable. **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 56.1
SUBJECT: Customer Label Printing - improper print format **DATE:** 03/31/83
=====

DESCRIPTION: The Customer Label Printing procedure does not properly align on the standard 15/16" pressure sensitive labels.

DIAGNOSIS: Verify that the labels being used are the proper size:

<u>Label Type</u>	<u>Size</u>	<u>Carrier Width</u>
1 up	3 1/2" x 15/16"	4 1/4"
4 up	3.3" x 15/16"	14 1/4"

PROCEDURE: Logon as usual, and select 'bl' (Business Applications) from the global menu.

1 Enter a valid operator code, and from the selector screen, type:

BASIC <RETURN>

2 From the > sign prompt, type:

LOAD "CARFA5" <RETURN>

7520:, <RETURN>

SAVE "CARFA5" <RETURN>

LOAD "CARFA4" <RETURN>

7420:, <RETURN>

7560:, <RETURN>

7969 PRINT (6) 'LF', <RETURN>

8015 IF X\$(13,1)="C" GOTO8099 <RETURN>

EDIT 8020C['LF','LF'][,] <RETURN>

SAVE "CARFA4" <RETURN>

RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - General Ledger RELEASE LEVEL: 1.0 TIP NUMBER: 57.0
SUBJECT: Detail Report 'doubling' DATE: 01/31/83
=====

DESCRIPTION: If a General Ledger Update procedure is performed during a month, subsequent printing of the Detail Report will cause a 'doubling' of transaction activity and balances.

PROCEDURE: From the General Ledger selector screen, type:

```
1      BASIC      <RETURN>
2      From the > prompt, type:
      LOAD "CGLRC1"      <RETURN>
      7028:,Y3$      <RETURN>
      7029 IF Y3$="X" GOTO 7010      <RETURN>
      SAVE "CGLRC1"      <RETURN>
      RUN "DOL"      <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 58.0
SUBJECT: Error 13 when printing G/L Distribution Report **DATE:** 02/15/83
=====

DESCRIPTION: If another BAS application was installed after the Payroll application, an Error 13 will result when the P/R-G/L Distribution Report is printed.

BACKGROUND: The update programs interfacing to the General Ledger change when a subsequent application is installed.

PROCEDURE:

- 1 From the Payroll master selector screen, type:

 BASIC <RETURN>
- 2 From the > prompt, type the following series of commands:

 LOAD "CGLUX0" <RETURN>

 310 <RETURN>

 360 <RETURN>

 1032 IF C\$<>"WRITE(7,KEY="*G"+C\$)IOL=130 <RETURN>

 7277 <RETURN>

 DELETE 7400,7499 <RETURN>

 EDIT 1032 R[09000] <RETURN>

 SAVE <RETURN>

 RUN "DOL" <RETURN>

You are returned to the Payroll master selector screen, and the procedure is complete. If another BAS application is installed after this change is made, the procedure must be repeated.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: All BAS Applications	RELEASE LEVEL: 1.0	TIP NUMBER: 59.0
SUBJECT: End of Day Procedure - Program Exception Report		DATE: 02/15/83

=====

DESCRIPTION: During the End of Day Procedure, if the Program Exception Report prints, the question 'REPORT CORRECT? (Y/N)' will be displayed. If NO is answered, the question 'DO YOU WANT TO REPRINT THE PROGRAM EXCEPTION REPORT? (Y/N)' will be displayed. If YES is answered, the system will execute an endless loop, with no responses visible to the user.

PROCEDURE:

- 1 From the Business Utilities selector screen, type:
BASIC <RETURN>

- 2 From the > prompt, type the following series of commands:
LOAD "CUTER0" <RETURN>
9720 ON CTL GOTO 9700,100,9000,9700,9000,9700
<RETURN>
SAVE "CUTER0" <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Accounts Payable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 60.0
SUBJECT: Performing successive Month-end Update Procedures **DATE:** 02/15/83
=====

DESCRIPTION: In a multi-company environment, if the Month-end Update Procedure is performed twice in succession, the second update will fail.

BACKGROUND: Channel (8) is not being closed properly when the first update procedure is exited.

PROCEDURE:

- 1 From the Accounts Payable master selector screen, type:

 BASIC <RETURN>

- 2 From the > prompt, type the following series of commands:

 LOAD "CUTSA0" <RETURN>

 10000;CLOSE (8);CLOSE (9) <RETURN>

 SAVE "CUTSA0"

 RUN "DOL"

The procedure is complete. Successive month-end update procedures may now be performed.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 62.0
SUBJECT: Service charge calculation on customer statement **DATE:** 02/15/83

DESCRIPTION: This Technical Tip explains the Accounts Receivable procedure for printing customer statements that will include service charge calculations.

BACKGROUND: Customer statements are intended to be printed only once each month. Therefore, the service charge calculations are also intended to be made once, printed on the customer statements, and updated to the Customer Master and General Ledger. For those businesses requiring statements to be printed more than once in a month, an understanding of the files being updated is required.

After the statements have printed, the system displays the question STATEMENTS CORRECT? (Y/N). It is at this point that the statements should be checked for proper form alignment, paper jams, etc.

If NO is answered, no updating has occurred and the statements may be reprinted. For those businesses requiring statements to be printed more than once in a month, this question should always be answered NO. Be aware, however, that no service charges are updated to the customer master. This means that if the customer makes payment before the end of month statements are printed, there will not be a line item transaction to apply the payment of the service charge.

If YES is answered, the system updates the service charge calculations to the customer master file as a separate transaction, which prevents service charge calculations from being performed again during the same month. At this point, the question END OF MONTH? (Y/N) displays.

In response to the END OF MONTH? (Y/N) question, answering YES updates the General Ledger transaction file, indicating no further printing of statements and service charge calculations will occur for the month.

Answering NO allows for statements to be printed again during the same month. However, if the STATEMENTS CORRECT? (Y/N) question was answered as YES, there will be no service charges calculated nor displayed on subsequent statements for the same month.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - General Ledger **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 64.0
SUBJECT: Printing Financial Statements for Prior Periods **DATE:** 02/28/83
=====

DESCRIPTION: When attempting to print financial statements for a previously closed period, the reports use the Closing Period Record. The Income Statement reads the LAST PERIOD CLOSED field, but the Balance Sheet reads the CURRENT PERIOD field.

BACKGROUND: Financial statements can be printed for any period within the fiscal year by adjusting the Closing Period Record (fields 4 and 7) to reflect the period desired. Once the desired financial reports have been printed, the Closing Period Record should be changed back to its previous status.

PROCEDURE: Login normally, and select B1 BUSINESS SYSTEMS from the Global Menu.

1 Enter a valid operator code, and from the Business Applications selector screen, type:

*QPSD <RETURN>

2 For the Disc Name or Number, enter

1 <RETURN>

3 For the Program Name, enter

CGLRF0 <RETURN>

4 Press <RETURN> again.

5 Press <F2> to replace.

6 Press <F2> to bypass verification.

7 Press <F2> to bypass the hard copy.

8 For the starting statement, enter

7150 <RETURN>

continued.....

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

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continued:

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- 9 For the ending statement, enter
7150 <RETURN>
- 10 For search for, enter
N7 <RETURN>
- 11 For replace with, enter
C9 <RETURN>
- 12 For search for, press <RETURN>.
- 13 Processing will begin. When completed, the screen will clear and the Enter Disk Name or Number message will re-appear. Press <F4> twice to return to the Business Applications selector screen.

The procedure is complete. Financial statements will now print properly for previously closed periods.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - All Applications **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 65.0
SUBJECT: Multi-Tasking Indicators **DATE:** 02/28/83
=====

DESCRIPTION: The BAS selector system prevents 'competing' tasks from being executed simultaneously through a series of 'Multi-Tasking Indicators', which can be set for each application within the selector. In the current releases of BAS, these indicators are turned 'off', which may cause problems in a multi-user environment.

BACKGROUND: The multi-tasking indicators are necessary to prevent situations which could damage the integrity of the files. For example, the system should not allow Invoice Entry while the Invoice Update program is running. The message 'MULTI TASKING ERROR' will be displayed in such situations to indicate that a process is currently being run which would interfere with the one selected.

PROCEDURE: To enable the multi-tasking checking, follow these steps.

- 1 Select B1 Business Systems from the Global Menu, and enter a valid operator code.
- 2 From the Business Applications selector screen, type:
797 <RETURN>
- 3 For File Name or Number, type:
30 <RETURN>
- 4 Choose option (2) CHANGE and select field 31.
- 5 Enter a 1 for MUL TSK DSABLE (multi-task disable).
- 6 Press <F4> to end the changes to this record.
- 7 Press <F2> to the hard copy request.
- 8 Press <F4> to end file maintenance.
- 9 Press <F4> to return to the Business Applications selector screen.

The procedure is complete. The multi-tasking indicators have been properly set to prevent 'competing' tasks.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 66.0
SUBJECT: Change to Service Charge Calculation Basis **DATE:** 02/28/83
=====

DESCRIPTION: In Accounts Receivable, during the Customer Statement Printing procedure, service charges are automatically calculated on all customer transactions over 59 days past due. Some businesses desire service charges to be calculated on transactions over 29 days past due.

NOTE: This is an optional procedure.

PROCEDURE:

- 1 From the Accounts Receivable selector screen, type:
*QPSD <RETURN>
- 2 For the Disc Name or Number, type: 1 <RETURN>
- 3 For the Program Name, type: CARRF1 <RETURN>
- 4 Press <RETURN> again.
- 5 Press <F2> to replace
- 6 Press <F2> to bypass verification.
- 7 Press <F2> to bypass the hard copy option.
- 8 For the Starting Statement, type: 6810 <RETURN>
- 9 For the Ending Statement, type: 6810 <RETURN>
- 10 For Search For, type: A(3) <RETURN>
- 11 For Replace With, type: A(3)+A(2) <RETURN>
- 12 For Search For, press <RETURN>.
- 13 Processing will begin. When the procedure is completed, the screen will clear and the message ENTER DISK NAME OR NUMBER will appear. Press <F4> twice to return to the Accounts Receivable Menu.

The procedure is complete. Service charges will now be calculated on transactions over 29 days past due.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: FORTUNE:WORD **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 67.1
SUBJECT: Page Breaks and Pagination Explanations **DATE:** 08/31/83
=====

DESCRIPTION: When attempting to edit an existing document, after pressing <EXECUTE> from the document summary screen, the system responds with the message "out of memory", and then displays the END OF EDIT menu, rather than the specific document.

BACKGROUND: The software is trying to read a document file which requires more memory than is available. This often occurs when a document contains many lines and is not divided by pages breaks (pagination).

The software handles document files most efficiently by reading into RAM only those pages currently being accessed. By operating on smaller segments of document files, text can be edited, copied, or moved much faster than if it were to do these operations with the entire document in memory.

If a document contains many lines and is not paginated, the software attempts to read the entire document into memory as one long page. If there is not enough memory to hold the lengthy single page, the situation described above will occur.

PROCEDURE: To correct a situation where a non-paginated document cannot fit into memory, follow these steps:

- 1 After the 'out of memory' message is received, the END OF EDIT screen displays. Press <EXECUTE> to save the changes.
- 2 From the Word Processing menu, select Advanced Features; then select Hyphenation/Pagination.
- 3 Paginate the document which caused the problem.
- 4 If the system does not allow the pagination process to be completed, the process must be repeated on a system equipped with more memory.

PREVENTION: When entering text be sure to insert page breaks at the end of the defined text length. The line and position numbers on the status line will be highlighted as soon as text is entered on a line past the specified text length. This informs the user that a page break should be inserted.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 68.1
SUBJECT: Service Charge file error 2 **DATE:** 10/12/84
=====

DESCRIPTION: The Accounts Receivable service charges calculated during statement printing require a work file which is currently set to allow for only 100 records. In most businesses, the number of records must be increased to avoid file full errors (error # 2).

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you should do this procedure. From the Accounts Receivable master selector screen, type:

- 1 ***TPSD**
- 2 **CSVCG** <RETURN> (For the file name)
- 3 <RETURN> (For the disk number)
- 4 <RETURN> (For the key size)
- 5 <RETURN> (For the record size)
- 6 **5000** <RETURN> (For the total records)
- 7 <RETURN> (For the replace prompt)
- 8 <RETURN>
- 9 <F4> (To end the procedure)
- 10 Perform the **START OF DAY** procedure (selection 1 under the Business Utilities menu) to save the new file parameters within IDOL. A data restore is **not** necessary and should **not** be done.

This completes the procedure.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL

PRODUCT: Fortune:Word **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 69.0
SUBJECT: Moving an ASCII file to Word Processing **DATE:** 03/31/83

DESCRIPTION: This Technical Tip defines the procedure which will enable the transfer of any ASCII text file to Fortune:Word, the word processing application.

BACKGROUND: To permit the 'word-wrap' feature, Fortune:Word uses the character sequence '\B\' for its end-of-line indicator, rather than the standard UNIX new-line character '12 octal'. To translate the UNIX new-lines for use in Fortune:Word, the '\B\' must replace every occurrence of '12 octal'. This tip also includes an explanation for creating and using a UNIX 'filter' which will take ASCII files and output them to the same file with the required end-of-line indicators.

PROCEDURE: To create the 'transfer' capability, login as 'root', and from the # prompt, type:

```
1      ed /usr/bin/extowp  <RETURN>
      a  <RETURN>
      IFS=<RETURN>
      while <RETURN>
      <TAB> read line  <RETURN>
      do  <RETURN>
      <TAB> echo $line'\B\'  <RETURN>
      done  <RETURN>
      .  <RETURN>
      w  <RETURN>
      q  <RETURN>
      chmod 755 /usr/bin/extowp  <RETURN>
```

(Note: Do not insert any spaces or characters after the equal sign)

(Note: The '\' key is found on the left side of the keyboard next to the <TAB> key)

continued.....

FORTUNE SYSTEMS : SUPPORT CENTER
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continued

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2

The transfer function can now be used to move any file to Fortune:Word. To move a file to a new Fortune:Word document, type:

```
cat (filename) | extowp > (full pathname) <RETURN>
```

where (filename) is the file to be moved, and (full pathname) is where the new location the (filename) will reside. Note: The | sign is not a colon, but is the 'pipe' symbol found on the left side of the keyboard as a 'shift \'.
'

To append a file to an already existing Fortune:Word document, type:

```
cat (filename) | extowp >> (full pathname) <RETURN>
```

(Note the additional '>' sign)

This completes the procedure.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 70.0
SUBJECT: Line item codes with sales price of zero **DATE:** 03/15/83
=====

DESCRIPTION: Line item codes should allow for a zero dollar sales price, to enable businesses to track cost of sales and profit margins for items 'given away'.

BACKGROUND: There are two separate programs that must be changed to allow for zero dollar sales price per line item code - the invoice entry and invoice printing programs.

PROCEDURE: From the Accounts Receivable master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > sign prompt, type the following series of commands:

```
LOAD "CARIE0"   <RETURN>
EDIT 1620 C[D5>][=]   <RETURN>
EDIT 1640 C[X7<]R[0]   <RETURN>
SAVE "CARIE0"   <RETURN>
LOAD "CBIRA0"   <RETURN>
EDIT 2035 C[2*]R[D]   <RETURN>
SAVE "CBIRA0"   <RETURN>
RUN "DOL"   <RETURN>
```

The procedure is complete. Line item codes can now have a zero dollar value for the sales price. Cost of sales remains unaffected and calculations for gross profit percentage will be correct. Sales commissions calculations will be zero.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL

PRODUCT: BAS-Order Processing RELEASE LEVEL: 1.0 TIP NUMBER: 71.0
SUBJECT: Error 42 during Direct Sales Entry DATE: 03/31/83
=====

DESCRIPTION: In Order Processing, during the Direct Sales Entry procedure, if the first line item is for a miscellaneous charge, an Error 42 will result for line 1714 of the COEDSA program.

PROCEDURE: From the Order Processing selector screen:

1 Type:

BASIC <RETURN>

2 From the > prompt, type:

LOAD "COEDSA" <RETURN>

1613:*A5 <RETURN>

1616 GOTO 1711 <RETURN>

EDIT1708C[GOTO 0]R[1711] <RETURN>

1711 IF LEN(H1\$)<4H1\$=" " <RETURN>

NOTE: 4 spaces between the quotes

SAVE "COEDSA" <RETURN>

RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL

PRODUCT: BAS-Order Processing **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 72.0
SUBJECT: Sales Journal not updating General Ledger **DATE:** 03/31/83

=====

DESCRIPTION: When the Order Processing application is installed, the Sales Journal report will print correctly, but will not update the General Ledger.

BACKGROUND: There is a Sales Journal report selection in both the Accounts Receivable and Order Processing applications. In Accounts Receivable, the program name is CARRB0. In Order Processing, the program name is CBIRB0. When Order Processing is installed after the Accounts Receivable application, CARRB0 is replaced by CBIRB0. However, CBIRB0, the Order Processing program, does not properly update the General Ledger transaction file.

PROCEDURE: From the Order Processing master screen:

- 1 Type:
 BASIC <RETURN>

- 2 From the > prompt, type:
 LOAD "CBIRB1" <RETURN>
 9120 RUN "CGLUXP" <RETURN>
 SAVE "CBIRB1" <RETURN>

- 3 **LOAD "CBIRB0"** <RETURN>
 7320 T1=T1+T8 <RETURN>
 EDIT 7330C[T9]D[]] <RETURN>
 SAVE "CBIRB0" <RETURN>

- 4 **LOAD "CGLUXP"** <RETURN>
 EDIT 300C[T1\$="C]R[BI] <RETURN>
 SAVE "CGLUXP" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 73.0
SUBJECT: Cash Receipts Journal line spacing **DATE:** 03/31/83

=====

DESCRIPTION: The Cash Receipts Journal does not page correctly when the volume of cash receipts entries exceeds one page.

PROCEDURE: From the Accounts Receivable master selector screen:

- 1 Type:
 BASIC <RETURN>

- 2 From the > prompt, type:
 LOAD "CARRD" <RETURN>
 116 L=L+1 <RETURN>
 1211 L=L+4 <RETURN>
 122 L=L+12 <RETURN>
 SAVE "CARRD" <RETURN>

- 3 **RUN "DOL"** <RETURN>

The procedure is complete. The Cash Receipts Journal will now page advance properly.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 74.0
SUBJECT: Delinquent Report not printing correctly **DATE:** 03/31/83

DESCRIPTION: When the Delinquent Report (#23) is printed as a 'stand-alone' report, the information is not correct. When the Delinquent Report is selected as an additional option for the Aged Trial Balance report (#17), the information displayed is accurate.

BACKGROUND: The 'stand-alone' Delinquent Report prints open invoice detail, but does not include credit memos information.

PROCEDURE: From the Accounts Receivable master selector:

- 1 Type:
 BASIC <RETURN>

- 2 From the > prompt, type:
 LOAD "CARDQ1" <RETURN>
 EDIT 7185C[OR] [ABS (]C[E2] [)] <RETURN>
 SAVE "CARDQ1" <RETURN>

- 3 **RUN "DOL"** <RETURN>

The procedure is complete. The 'free-standing' Delinquent Report will now print the total information, and will be identical to the Delinquent Report which is printed as part of the Aged Trial Balance report.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL**

PRODUCT: BAS - All Applications **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 75.1
SUBJECT: General Ledger interface from other app's. **DATE:** 05/15/83
=====

DESCRIPTION: This Technical Tip serves as an explanation for the method in which the General Ledger application is updated automatically from other applications.

BACKGROUND: For the General Ledger to update automatically and properly, all information in these records must be correctly established during the conversion process as follows:

Accounts Receivable -	Sales Journal Accounts Cash Receipts Journal Accounts A/R Adjustments Journal Accounts Salesman Commission Accounts Service Charges Accounts
Accounts Payable -	Invoice Distribution Payment Distribution
Payroll -	Earnings/Taxes G/L Accounts Deductions/Net Pay G/L Accounts Tax/Ins G/L Accrual Accounts
Order Processing -	Sales Journal Accounts
Fixed Assets -	Asset Depreciation Record Asset Transfer Record

The best way to avoid out-of-balance situations is to correctly establish each General Ledger interface record, defining all general ledger account number fields. This may be accomplished by creating new accounts in the chart of accounts or by simply repeating already established accounts. For instance, if your company does not use sales taxes, the general ledger account number for gross accounts receivable (sales) can be used instead of creating a new G/L account for sales tax. No postings will take place because sales taxes do not apply to your company, but, more importantly, an out-of-balance condition cannot be generated should someone inadvertently enter an amount in the sales tax field during invoice entry.

There is a consistency in structure for each of the interface records. Each record contains a field labelled "G/L # OF ENTRIES". The documentation for some of the applications erroneously states that the value established in this field should be equal to the number of accounts defined in each record. For automatic posting to the General Ledger, the value defined in this field should actually be the maximum number of accounts which can be defined in the record. To prevent automatic posting to the General Ledger, field 2 "G/L # OF ENTRIES" should be set to a zero.

continued....

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

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continued:

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The DR-CR MASK defines the debit or credit posting for each G/L account. The values for each of these indicators are pre-defined by the BAS applications, but can be changed if necessary. Care should be taken to ensure there is an indicator for each general ledger account number defined in the interface record.

As discussed earlier, some accounts may not pertain to a specific business. As the software stands, during the conversion process, these fields can be left blank by pressing <RETURN>. However, if during a data entry procedure, a value is entered for a category which does not have a general ledger account number defined, the General Ledger will become out of balance due to the undefined account.

PROCEDURE: There are two different procedures used to address this subject. The first is preventive and should be done in any case, the second is corrective.

To prevent a general ledger interface record from being established improperly (with missing account numbers) perform the following:

1 From any BAS selector screen, type:

BASIC <RETURN>

2 From the > prompt, type:

LOAD "CGLSE" <RETURN>

```
00104 IF X7$="" THEN IF
POS(U$(1,3)="048049050051052053054056066067068069",3)
<> AND J9>NUM(E$(3,2),ERR=00106)+3 THEN GOTO 09000
ELSE LET B9$="YOU MUST ENTER AN ACCOUNT NUMBER IN THIS
FIELD ",C9=1; GOTO 09000 <RETURN>
```

SAVE "CGLSE" <RETURN>

RUN "DOL" <RETURN>

continued....

FORTUNE SYSTEMS : SUPPORT CENTER
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tip number 75

continued:

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To correct an existing out-of-balance condition in the General Ledger which was created by an incorrect entry relative to the defined interface record, it is first necessary to identify the 'missing' transaction. Each debit and credit line of a journal entry creates a separate record in the general ledger transaction file. Usually, the out-of-balance condition arises when one 'side' of a journal entry did not post automatically. The following information is needed in order to correct the condition:

Company Code	G/L Period
Journal Number	G/L Account Number
Journal Description	G/L Account Amount

Once this information has been identified, a 'one-sided' journal entry can be made by adding a record to the G/L Transaction File. As many records as necessary can be added to bring the General Ledger into balance. For audit trail purposes, a hard copy of each record should always be printed. It is also suggested that this procedure be used ONLY when the General Ledger is not in balance due to an incorrect interface record.

Your BAS operator code must have UT or ALL permission to perform this procedure.

- 1 From any BAS selector screen, type:
797 <RETURN>
- 2 For the file number or name, type:
165 <RETURN> (or CGLTR)
- 3 The GL TRANSACTION FILE maintenance screen displays. To ADD a new transaction record, choose option (1) and press <RETURN>.
- 4 Carefully enter the information for each field, pressing <RETURN> after each entry, with these exceptions:
For field 5-GLTRAN SEQ CNT , enter 0001 <RETURN>.
(If the 'Already on file' message appears, try 0002, 0003 etc.)
Leave field 9 UPDATE IND. blank by pressing <RETURN>.
- 5 Answer the 'ADD (Y/N).....' question as appropriate.
- 6 Answer YES to the 'HARD COPY? (Y/N)' question.
- 7 When all necessary records have been established, press <F4> three times to return to the BAS selector screen.

This completes the procedure. It is suggested that a Trial Balance report and a Detail Report be printed to ensure that the General Ledger is in balance.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL**

PRODUCT: BAS-General Ledger **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 76.0
SUBJECT: Unable to print Trial Balance **DATE:** 03/31/83

DESCRIPTION: If there are no General Ledger transactions on file, a G/L Trial Balance cannot be printed.

BACKGROUND: This situation can occur at the beginning of a fiscal year, or when the transaction detail has been cleared during the G/L Update procedure.

PROCEDURE: From the General Ledger master selector screen:

- 1 Type:
 BASIC <RETURN>

- 2 From the > prompt, type:
 LOAD "CGLRC0" <RETURN>
 7210 GOTO 7290 <RETURN>
 SAVE "CGLRC0" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete. The General Ledger Trial Balance report can now be printed at any time.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Payable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 77.0
SUBJECT: Error 11 during printing of Check Register **DATE:** 03/31/83

=====

DESCRIPTION: A Program Exception Error may occur during the Check Register printing procedure. If one or more new Company Codes have been created after Accounts Payable detail transactions (invoices, memos, checks, etc.) were entered, an Error 11 will occur in program CAPRH1 at line 1290.

BACKGROUND: After the Check Register prints, the screen displays the message REPORT CORRECT? (Y/N). Answering NO allows the report to be reprinted with no permanent update. Answering YES accepts the report information and permanently updates the Vendor Master File and the A/P Distribution File. It is during the update process that the error will occur when it tries to remove paid invoices from the open Accounts Payable transactions, cross-referenced by company code.

PROCEDURE: From the Accounts Payable master selector screen:

```
1      Type:
      BASIC <RETURN>
      LOAD "CAPRH1" <RETURN>
      EDIT 1290C[10]][,DOM=1291] <RETURN>
      SAVE "CAPRH1" <RETURN>
      RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIPS : COMPANY CONFIDENTIAL

PRODUCT: IDOL - BAS **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 78.0
SUBJECT: IDOL Selector Subsystem **DATE:** 03/29/83

DESCRIPTION: If IDOL is installed and new selector screens (menus) are created or new selections added to existing BAS selector screens, any BAS applications installed afterwards will alter at least one of the new selectors.

BACKGROUND: The selector dictionary file 'UASQ' contains a record at index zero which contains pointers to be used during maintenance of the file. The BAS application installation procedure uses these pointers differently from the way IDOL uses them.

PROCEDURE: Using the START OF DAY procedure, restore the program and data files to a status **BEFORE** the installation of the 'offending' application. Then proceed as follows:

- 1 From any IDOL selector, type:
 799 <RETURN>
- 2 Select option **(2) CHANGE** and press <RETURN>
- 3 Type a **0** for the index number, and press <RETURN>
- 4 Make a note of the value displayed in field 1.
- 5 Type a **1** for the field number to be changed, and press <RETURN>
- 6 Increase this fields value by one. For example, if the field was 352 before, change it to 353.
- 7 Press <F4> to end the changes and <F2> for no hard copy
- 8 Press <RETURN> for the next index number
- 9 Press <F4> to end the file maintenance

You can now install any BAS application safely without affecting IDOL-defined custom selector screens. This procedure must be repeated before installing any other BAS applications to prevent the disturbance to the selector screens.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Payable RELEASE LEVEL: 1.0 TIP NUMBER: 79.1
SUBJECT: Invoice & Payment Distribution Journals DATE: 04/30/83

DESCRIPTION: The journal number for the Payment Distribution Journal references the same journal number established for the Invoice Distribution Journal. The actual General Ledger accounts are posted with the correct debit and credit amounts, but reference the incorrect 'source' for the posting.

PROCEDURE: From the Accounts Payable master selector, type:

```
1            BASIC    <RETURN>
2            LOAD "CAPUB0"    <RETURN>
3            410 DIM J5$(10),J(2)    <RETURN>
4            420 READ (7,KEY="^N") *,*,J5$(1,5)    <RETURN>
5            430 READ (7,KEY="^O") *,*,J5$(6,5)    <RETURN>
6            1025 LET J=NUM(A1$(31,1))    <RETURN>
7            1030 LET J(J)=J(J)+A1,A9$=A1$(3,6),A=A+A1; REMOVE
             (1,KEY=A1$,ERR=08000) ; GOTO 01000    <RETURN>
8            7215 FOR K=1 TO 2    <RETURN>
9            7235 LET A6$=J5$(K*5-4,5),A=J(K)    <RETURN>
10           7260 NEXT K    <RETURN>
11           7270 DIM J(2)    <RETURN>
12           SAVE "CAPUB0"    <RETURN>
13           RUN "DOL"    <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable RELEASE LEVEL: 1.0 TIP NUMBER: 80.1
SUBJECT: Cash Receipts from multiple terminals DATE: 04/30/83

DESCRIPTION: If cash receipts are entered from more than one terminal, the summary page of the Cash Receipts Journal prints only the total for Terminal T0 (usually the console).

PROCEDURE: From the Accounts Receivable selector screen, type:

- 1 BASIC <RETURN>
- 2 LOAD "CARRD0" <RETURN>
- 3 1256 NEXT I <RETURN>
- 4 SAVE "CARRD0" <RETURN>
- 5 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Payable **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 81.0
SUBJECT: Payment Selection for negative invoice **DATE:** 04/15/83

DESCRIPTION: During the conversion process for Accounts Payable, if a negative invoice amount (debit memo) was entered using the Invoice Initialization procedure, the Payment Selection procedure will not allow the negative invoice to be selected for payment. During the Payment Selection procedure, the discount calculation cannot be done if the invoice amount is less than or equal to zero.

PROCEDURE: From the Accounts Payable master selector screen, type:

```
1        BASIC    <RETURN>
2        LOAD "CAPRE2"    <RETURN>
3        1813 IF A1<0 THEN GOTO 02000    <RETURN>
4        SAVE "CAPRE2"    <RETURN>
5        RUN "DOL"    <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Start of Day RELEASE LEVEL: 1.0 TIP NUMBER: 82.0
SUBJECT: Erroneous file usage report DATE: 04/15/83
=====

DESCRIPTION: The file usage report printed during the Start of Day procedure erroneously lists files with less than 20% available space. The procedure is using the wrong portion of the header file to calculate the percentage used.

PROCEDURE: From any selector screen, type:

- 1 BASIC <RETURN>
- 2 LOAD "CUTRR0" <RETURN>
- 3 EDIT 1110 C[=] R[4] <RETURN>
- 4 EDIT 1120 C[B\$(] R[3] [7] <RETURN>
- 5 SAVE "CUTRR0" <RETURN>
- 6 RUN "DOL" <RETURN>

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - Payroll **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 84.0
SUBJECT: Employees in multiple departments **DATE:** 04/15/83
=====

DESCRIPTION: If an employee time sheet is entered for more than one department during the same payroll period, deduction and tax calculations will be incorrect.

PROCEDURE: From the Payroll master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 **LOAD "CPRRB2"** <RETURN>
- 3 **7315 IF B2\$(4*I-3,1)="P" OR B2\$(4*I-3,1)="8" THEN LET
X(I)=A(I); GOTO 7360** <RETURN>
- 4 **SAVE "CPRRB2"** <RETURN>
- 5 **RUN "DOL"** <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.0 TIP NUMBER: 85.0
SUBJECT: Error 40 during Invoice Printing DATE: 04/15/83
=====

DESCRIPTION: In Order Processing, an Error 40 will occur at line 2039 during the printing of customer invoices/memos if an invoice line item had a net sales price of zero.

BACKGROUND: The calculation of gross profit percentage is unable to be performed when trying to divide by zero.

PROCEDURE: From the Order Processing master selector screen, type:

1 BASIC <RETURN>

2 From the > prompt, type:

LOAD "CBIUA0" <RETURN>

2039 LET O9=O9+B2*D2,O0=O0+B2*F2; IF D2*B2<>0 THEN LET
Z6=(B2*D2-B2*F2)*100/(B2*D2) <RETURN>

SAVE "CBIUA0" <RETURN>

RUN"DOL" <RETURN>

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - A/R and O/P **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 86.1
SUBJECT: Suppressing 'list price' on invoices/memos **DATE:** 07/31/83
=====

DESCRIPTION: Many users have requested that the column labelled 'LIST PRICE' on computer-printed invoices/memos be left blank. This technical tip eliminates the printing of any amounts in this column. **NOTE:** This is **not** a selective procedure. The elimination of printing the list price of each item line item is for all customers and all inventory items.

BACKGROUND: There are two separate and distinct programs used for invoice/memo printing. The Accounts Receivable application uses the program "CBIRA0" (up to version 1.1 of the update), while the Order Processing application uses the program "CBIUA0". One or both of the programs must be modified, depending on the applications installed on the system. If both applications are present, both programs must be modified.

NOTE: If an Error 12 is received when loading one of the programs, it means that program has been replaced by the other and is not present on the system. Simply load the other program.

PROCEDURE: From any selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CBIUA0" <RETURN> (or **"CBIRA0"**)
EDIT 2031 C[02050]D[" ,] <RETURN>
EDIT 3260 C[A1][-B1] <RETURN>
DELETE 3300 <RETURN>
SAVE "CBIUA0" <RETURN> (or **"CBIRA0"**)
RUN "DOL" <RETURN>

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - General Ledger **RELEASE LEVEL:** 1.0 **TIP NUMBER:** 87.0
SUBJECT: Retained Earnings in Closing Period Record **DATE:** 05/15/83
=====

THIS TECHNICAL TIP IS RESCINDED WITH BAS 1.1 RELEASE

DESCRIPTION: In General Ledger, field 3 (Retained Earnings Amount) of the Closing Period Record does not reset to zero after a year-end closing. In the first period of the new year, if no entries are made and a Balance Sheet is printed, it will be out of balance.

PROCEDURE: From the General Ledger master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CGLUA0" <RETURN>
 7260 C8=0 <RETURN>
 SAVE "CGLUA0" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - General Ledger RELEASE LEVEL: 1.0 TIP NUMBER: 88.0
SUBJECT: Capital Statement printing erroneously DATE: 05/15/83

THIS TECHNICAL TIP IS RESCINDED WITH BAS 1.1 RELEASE

DESCRIPTION: In General Ledger, when the Capital Statement is printed, it does not print the 'balance forwards' from the previous year.

PROCEDURE: From the General Ledger master selector, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
 LOAD "CGLRI0" <RETURN>
 7243 S1=S1+A1 <RETURN>
 SAVE "CGLRI0" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: ALL TIP NUMBER: 89.0
SUBJECT: Customer Contract Report not page advancing DATE: 05/15/83

=====

DESCRIPTION: In Order Processing, the Customer Contract Report does not page advance properly.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
 LOAD "CICRI0" <RETURN>
 EDIT 2120R[02030] <RETURN>
 DELETE 2120 <RETURN>
 SAVE "CICRI0" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable RELEASE LEVEL: ALL TIP NUMBER: 90.2
SUBJECT: Credit Memos printing dates improperly DATE: 08/15/83
=====

DESCRIPTION: In Accounts Receivable, a printed Credit Memo generates an incorrect original Invoice Date.

PROCEDURE: From the Accounts Receivable master selector screen, type:

```
1 BASIC <RETURN>
2 From the > prompt, type:
LOAD "CARME0" <RETURN>
EDIT 1290C[;][J3$=J3$(7,2)+J3$(1,2)+J3$(4,2);] <RETURN>
EDIT 1440C[3,2][+"/"] <RETURN>
1450 LET J3$=J3$(7,2)+J3$(1,2)+J3$(4,2) <RETURN>
SAVE <RETURN>
LOAD "CBIRA0" <RETURN>
EDIT 2004C[J1$]D[1,2] <RETURN>
SAVE <RETURN>
RUN "DOL"
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll RELEASE LEVEL: ALL TIP NUMBER: 91.0
SUBJECT: Quarter-to-date Payroll Register DATE: 05/15/83
=====

DESCRIPTION: In Payroll, the Quarter-to-Date Payroll Register prints improperly. Each successive page shifts the heading two spaces to the right.

PROCEDURE: From the Payroll master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
 LOAD "CPRRG1" <RETURN>
 EDIT 7025R[00200] <RETURN>
 DELETE 7025 <RETURN>
 SAVE "CPRRG1" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - All applications RELEASE LEVEL: 1.0 TIP NUMBER: 92.0
SUBJECT: No input reponse on selector screens DATE: 05/15/83

THIS TECHNICAL TIP IS RESCINDED WITH BAS 1.1 RELEASE

DESCRIPTION: The cursor may 'hang' on a selector screen at the end of the 'ENTER SELECTION OR END' line.

PROCEDURE: From the Business Applications master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CUTSA0" <RETURN>
 2515 0=0 <RETURN>
 SAVE "CUTSA0" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Payroll	RELEASE LEVEL: 1.0	TIP NUMBER: 93.0
SUBJECT: Error 41 during P/R Check Register	DATE: 05/15/83	

=====

THIS TECHNICAL TIP IS RESCINDED WITH BAS 1.1 RELEASE

DESCRIPTION: In Payroll, an Error 41 may occur during the printing of the Payroll Check Register.

PROCEDURE: From the Payroll master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CPRRD0" <RETURN>
EDIT 1055C[*],[*] <RETURN>
SAVE "CPRRD0" <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Order Processing RELEASE LEVEL: ALL TIP NUMBER: 94.0
SUBJECT: Printing the Order Status report DATE: 05/01/83
=====

DESCRIPTION: When only one company code has been defined, the Order Status report may generate an Error 42.

PROCEDURE: From any selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "COERAA" <RETURN>
 EDIT 108C[,2)][,V\$=C9\$] <RETURN>
 SAVE "COERAA" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Order Processing RELEASE LEVEL: ALL TIP NUMBER: 95.0
SUBJECT: Order Entry and Correction DATE: 05/15/83
=====

DESCRIPTION: In Order Processing, during the Order Correction
 procedure, an error 13 may occasionally occur.

PROCEDURE: From any selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
 LOAD "COEOE9" <RETURN>
 EDIT 1714C[5][,KEY=P\$] <RETURN>
 SAVE "COEOE9" <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing	RELEASE LEVEL: ALL	TIP NUMBER: 96.4
SUBJECT: Error 1 during Sales Analysis Reports		DATE: 05/24/84

=====

DESCRIPTION: An Error 1 may occur during the printing of Sales Analysis reports or Sales History reports. The error message may also be:

PRINTER ERROR HAS OCCURED, RETURN TO CONTINUE

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you can do this procedure to be sure it was entered correctly (has same effect as 96.3). From the Order Processing master selector screen, type:

- 1 **UTL** <RETURN>
- From the Business BASIC Utilities menu, type:
- 2 **15** <RETURN> (for program search and replace)
- 3 **1** <RETURN> (for the disk number)
- 4 **CSAMS?** <RETURN> (for the program name)
- 5 <RETURN> (to continue)

The system will display the message: 'SEARCHING DIRECTORY'

- 6 <F2> (to replace)
- 7 <F2> (for NO to verify)
- 8 <F2> (for NO to hard copy)
- 9 <RETURN> (for START LINE)
- 10 <RETURN> (for END LINE)
- 11 **@(92** <RETURN> (for 'SEARCH FOR')
- 12 **@(88** <RETURN (for 'REPLACE WITH')
- 13 <RETURN> (for 'SEARCH FOR')

The system will begin the search and replace routine, displaying the found and replaced syntax on the screen. When completed, proceed by typing:

- 14 <RETURN> (for disk name)
- 15 <F4> (to end the procedure)

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

=====

PRODUCT: BAS - Accounts Payable	RELEASE LEVEL: ALL	TIP NUMBER: 97.Ø	
SUBJECT: Month-end General Ledger Update		DATE: 05/15/83	

=====

DESCRIPTION: In Accounts Payable, if the A/P Month-end Update procedure is performed more than once per month, the General Ledger may become out of balance.

BACKGROUND: The A/P Month-end Update procedure is the actual procedure which posts to the General Ledger transaction file. Some company codes may be required to have the General Ledger updated with Accounts Payable transactions more often than once a month.

PROCEDURE: From any selector screen, type:

1 **BASIC** <RETURN>

 From the > prompt, type:

2 **LOAD "CAPUBØ"** <RETURN>

911Ø WRITE (7,KEY=A8Ø) IOL=13Ø <RETURN>

SAVE "CAPUBØ" <RETURN>

RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - General Ledger	RELEASE LEVEL: ALL	TIP NUMBER: 98.0
SUBJECT: Error 46 during Journal Entry		DATE: 05/10/83

=====

DESCRIPTION: During Journal Entries, if a line is changed (using the 'C' option), and then the line is deleted (using the 'D' option), an error 46 will occur.

PROCEDURE: From any selector screen, type:

- 1 BASIC <RETURN>
From the > prompt, type:
- 2 LOAD "CGLDA2" <RETURN>
EDIT 1220 C[C\$+]R[A4] <RETURN>
SAVE CGLDA2" <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll RELEASE LEVEL: ALL TIP NUMBER: 99.Ø
SUBJECT: YTD/QTQ Payroll Register DATE: Ø5/15/83
=====

DESCRIPTION: The Year and Quarter-to-date Payroll Registers may produce erroneous results when printed by department instead of alphabetically.

PROCEDURE: From any selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CPRRG1" <RETURN>
 112Ø GOTO 2ØØ5 <RETURN>
 SAVE "CPRRG1" <RETURN>
 RUN "DOL"

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Purchase Orders **RELEASE LEVEL:** ALL **TIP NUMBER:** 100.0
SUBJECT: Deleted Quantities Report ESCAPE to BASIC **DATE:** 05/15/83

=====

DESCRIPTION: An ESCAPE statement has been left in the application
 from development debugging.

PROCEDURE: From any selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CPORE0" <RETURN>
 DELETE 8210 <RETURN>
 SAVE "CPORE0" <RETURN>
 RUN "DOL"

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - All Applications RELEASE LEVEL: 1.1 TIP NUMBER: 101
SUBJECT: Upgrade to Release Level 1.1 DATE: 05/15/83
=====

DESCRIPTION: This technical tip will explain the installation procedures for the BAS 1.1 upgrade diskette. This tip is divided into two sections:

Section 1 explains installing the upgrade.

Section 2 explains the major changes included in the upgrade.

BACKGROUND: The Business Applications Series has undergone a series of changes as a result of new development and technical tips. Many of the changes were developed over the months between the release of the different modules, and therefore, some of them are not reflected in the modules which were first released. This update will incorporate the above changes and firmly 'tie together' all of the BAS modules.

IMPORTANT NOTE:

This diskette is provided to Fortune Dealers as a one time, no charge upgrade to the BAS applications. The release of this diskette is not to be construed as a commitment to release further upgrades at no charge.

SECTION 1

INSTALLATION: Important note for systems which have been modified:

The decision to install this diskette on systems which have been modified is yours. Fortune will not be responsible for loss of custom programming work. Developers and programmers are advised to read section two carefully to determine if the upgrade can safely be installed.

For systems which have had no custom development work done, the installation procedure is simple:

Installation on existing systems:

- 1 Select 'S5 Product Maintenance' from the Global Menu
- 2 Select 'I Install'

continued....

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- 3 Follow the system prompts as in any normal install procedure.
- 4 To back-up the diskette, use the 'S5 Product Maintenance' 'B Backup' 'B1 Business Systems' selection from the Global Menu.
- 5 It is recommended that the BAS 'END OF DAY' procedure be performed after the install. Be sure to back up both data and program files.

For new installations:

- 1 Install each of the Business Application packages using the procedures outlined in each applications' manual.
- 2 After all Business Applications are installed, proceed to step 1 in section above.

RESULTS:

THE FOLLOWING TECHNICAL TIPS ARE RESCINDED BY 1.1

TIP #

DESCRIPTION

- | | |
|-------|--|
| 00016 | BAS - General Ledger - Journal Entry procedure may result in Error 46 - corrective procedure. |
| 00022 | BAS - General Ledger - Journal Entry procedure 'loops'. |
| 00024 | BAS - Accounts Receivable - sales tax calculations are erroneous in Invoice and Receivables Entry procedures - corrective procedure. |
| 00027 | BAS - General Ledger - Trial Balance 'doubling'. |
| 00028 | BAS - All Applications - End of Day procedure - 'Mkfs' question explained. |
| 00030 | BAS - General Ledger - Chart of Accounts report date headings incorrect - corrective procedure. |
| 00031 | BAS - Accounts Receivable - Sales Journal procedure results in Error 47 - corrective procedure. |

continued....

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<u>TIP #</u>	<u>DESCRIPTION</u>
00032	BAS - Accounts Payable - Open Payables Report lists "V" vendors incorrectly - corrective procedure.
00033	BAS - Accounts Payable - Adjustments Entry procedure results in Error 1 - corrective procedure.
00037	BAS - Accounts Receivable - Invoice Entry 'deletion' results in Error 46 - corrective procedure.
00044	BAS - Payroll - Withholding tax calculations for exempt ('99') employees inaccurate - corrective procedures.
00048	BAS - Accounts Payable - Non-Invoice Entry results in an 'out-of-balance' condition when using 'manual' or 'payment' options - corrective procedure.
00049	BAS - Payroll - Check Printing causes erroneous YTD information for new employees without an EMPLOYEE YTD record established - corrective procedure.
00052	BAS - All Applications - End of Day Procedure results in error messages - corrective procedures.
00053	BAS - General Ledger - entering data in Retained Earnings field of Closing Period Record during Conversion process - corrective procedures.
00054	BAS - Accounts Receivable - procedure to allow for more than 99 ship-to addresses.
00055	BAS - Accounts Receivable - Service Charges not allowed for more than one customer in the same month - corrective procedure.
00056	BAS - Accounts Receivable - customer label printing specifications and alignment explanation - corrective procedure.
00057	BAS - General Ledger - Detail Report 'doubles' data within the same month - corrective procedure.
00058	BAS - Payroll - P/R-G/L Distribution Report results in Error 13 - corrective procedure.
00059	BAS - All Applications - End of Day procedure - endless loop if Program Exception Report is reprinted - corrective procedure.

continued....

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<u>TIP #</u>	<u>DESCRIPTION</u>
00060	BAS - Accounts Payable - Month-end Update procedure fails if done twice in succession - corrective procedure.
00061	IDOL - memory fault error - corrective procedure.
00062	BAS - Accounts Receivable - Customer Statement printing results in duplicate service charges if printed twice in one month - corrective procedure.
00063	BAS - Accounts Receivable - Invoice tearoff portion prints regardless of setting in Installation Record.
00064	BAS - General Ledger - Improper printing of prior period financial statements due to Closing Period Record.
00065	BAS - Multi-tasking indicators not properly handled in multi-user environment.
00068	BAS - Accounts Receivable - Service charge work file expansion.
00070	BAS - Accounts Receivable - To allow line item codes to have zero dollar sales price.
00071	BAS - Order Processing - Direct Sales Entry procedure causes Error 42 if first line item is a miscellaneous charge.
00072	BAS - Order Processing - Sales Journal not posting through to General Ledger.
00073	BAS - Accounts Receivable - Cash Receipts Journal does not page advance when volume exceeds capacity of one page.
00074	BAS - Accounts Receivable - Delinquent Report inaccurately printing as 'stand-alone' report.
00076	BAS - General Ledger - Unable to print Trial Balance if no detail exists for current period.

continued....

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TIP #

DESCRIPTION

00077 BAS - Accounts Payable - Error 11 or 42 during
printing of Check Register due to new company codes
being added.

00078 IDOL - BAS - Custom selector screens disturbed after
installing new BAS applications.

00079 BAS - Accounts Payable - Combining Invoice and
Payment Distribution Journals.

00080 BAS - Accounts Receivable - Cash Receipts from
multiple terminals printing incorrectly on summary
page of journal.

00081 BAS - Accounts Payable - Payment Selection procedure
will not allow selection of negative invoice entered
during conversion.

00082 BAS - Start of Day Procedure produces erroneous file
usage report for files with less than 20% available
space.

00083 BASIC - Improper function of RENAME utility.

00084 BAS - Payroll - Employees in multiple departments not
calculating taxes and deductions correctly.

00085 BAS - Order Processing - Error 40 during Invoice
Printing if invoice has net selling price of zero.

00086 BAS - Accounts Receivable/Order Processing -
Suppressing the 'list price' column on invoices and
memos.

00087 BAS - General Ledger - Retained Earnings Amount not
clearing during year-end closing.

00088 BAS - General Ledger - Capital Statement printing
erroneously.

00092 BAS - All Applications - No cursor response on
selector screens.

00093 BAS - Payroll - Error 41 during printing of Check
Register.

continued....

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SECTION 2

DESCRIPTION: This SECTION is directed at the many developers and programmers who have modified BAS, but may wish to incorporate the 1.1 changes on a selective basis. If modifications have been made to any of the programs listed below, you may not wish to do the install procedure outlined in section one. **Again, Fortune will not be responsible for damage to custom programming as a result of installing the update diskette.**

PROGRAMS: The following programs have been changed for 1.1:

BAS/CAP:

CAPDA0, CAPDA1, CAPDA3, CAPDB1, CAPFA4, CAPFA5,
CAPRA0, CAPRB0, CAPRD0, CAPRE2, CAPRG0, CAPRG1,
CAPRH1, CAPRK0, CAPRK2, CAPRK4, CAPRK5, CAPRL0,
CAPRL1, CAPRL2, CAPUAL, CAPUB0

BAS/CAR:

CARDA0, CARDB0, CARDB1, CARD00, CARD01, CARD02,
CARD03, CARDCA, CARDQ0, CARDQ1, CARFA4, CARFA5,
CARIE0, CARMEL, CARME2, CARRD0, CARRF0, CARRF1,
CARRF2, CARSE0, CARUAL, CARUA2

BAS/CBI:

CBIDA0, CBIDA1, CBIDA4, CBIDA7, CBIRB0, CBIRB1,
CBIRB2, CBIUA0, CBIUA1, CBIUA2, CBIUA3

BAS/CDS:

CSDA0, CSDA3

BAS/CGL:

CGLCTR, CGLDA0, CGLDA1, CGLRC0, CGLRC1, CGLRC2,
CGLRF0, CGLRG0, CGLRI0, CGLSE0, CGLUA0, CGLUD0,
CGLUE0, CGLUX0

BAS/CIC:

CICDB0, CICRE0, CICRE1

BAS/COE:

COEDA0, COEDA4, COEDA6, COEDS1, COEDS3, COEDS4,
COEDS8, COEDS9, COEDSA, COEDSB, COEDSC, COEDSD,
COEDSE, COEME0, COEME1, COEOC1, COEOE1, COEOE3,
COEOE4, COEOE6, COEOE9, COERA0, COERA3, COERB0,
COERD0, COERE0, COESE0

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PROGRAMS: (continued)

BAS/CPO:
CPODA0, CPODA2, CPODA5, CPODAB, CPORH1, CPORJ1

BAS/CPR:
CPRDB0, CPRRB1, CPRRB2, CPRRC2, CPRRC3, CPRRC4,
CPRRD0, CPRRD1, CPRRJ0, CPRUA0

BAS/CSA:
CSABH0, CSARH0

BAS/CUT:
CUTDA0, CUTDA1, CUTDA2, CUTFC0, CUTSP0, CUTUK0

BUTIL:
*BPSD, *CPSD, *DPSD, *RPSD, *RPSD1

IDOL/CSY:
CSYIN0, CSYST0, CSYUP0

IDOL/CUT:
CUTDE1, CUTDS3, CUTDSB, CUTERR, CUTFA0, CUTFA3,
CUTFA7, CUTFAN, CUTFAR, CUTFIG, CUTFIH, CUTGB0,
CUTLA0, CUTPWD, CUTRF0, CUTRJ0, CUTRM0, CUTRQ0,
CUTRR0, CUTSA0, CUTSA1, CUTUH1, CUTUI0, CUTUI1,
CUTUJB, CUTUM0, CUTUS0

IDOL/DAD:
DADSA3

FILES: The following data files (load modules) have been replaced:

IDOL/*DE:
*DE068, *DE069, *DE112

IDOL/*FM:
*FM031, *FM048, *FM049, *FM050, *FM051, *FM052,
*FM053, *FM054, *FM056, *FM062, *FM066, *FM067,
*FM068, *FM069, *FM090, *FM095, *FM105, *FM110,
*FM120, *FM150, *FM163, *FM165

IDOL/USR:
R165DR, R165R1

continued....

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- SCRIPTS:** The 'cutug.eod' shell script has been replaced. The script 'op.script' has been replaced by the 'sa.br' script.
- DICTIONARIES:** IDOL based dictionaries have been changed as follows:
- UASQ Selector 29 has been modified to run the new versions of invoicing and sales journal programs.
 - UBSQ No changes to file maintenance headers.
 - UCSQ No changes to data entry headers.
 - CCNVZ For systems with IDOL, the file information record for 'MODELP' is added.
 - CGLBD The global data element dictionary is changed as follows:
 - Replace 66 records which have been updated since the 1.2 release of IDOL.
 - Remove 39 obsolete records.
 - Add 2 records as a result of O/P development.
 - DADF1 No changes.
 - DADF2 No changes.

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PRODUCT: BAS - Order Processing RELEASE LEVEL: all TIP NUMBER: 102.0
SUBJECT: Error 11 during Order Status Report DATE: 06/15/83
=====

DESCRIPTION: An Error 11 will occur when printing the Order Status Report if an order was deleted using the Order Cancellation procedure.

PROCEDURE: From the Order Processing master selector screen, type:

```
1            BASIC    <RETURN>
2            From the > prompt, type:
             LOAD "COERAA"    <RETURN>
             EDIT 1090 C[6]][,DOM=1096]    <RETURN>
             1096 REMOVE(3,KEY=K9$)    <RETURN>
             1097 GOTO 1060    <RETURN>
             SAVE "COERAA"    <RETURN>
             RUN "DOL"    <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 103.1
SUBJECT: Error message regarding class code DATE: 07/31/83
=====

DESCRIPTION: While performing file maintenance to an inventory item master record, an error message may be generated when defining the class code (field 37) or the price category (field 38), even though the class code position (field 15) and the price category position (field 17) are blank.

PROCEDURE: From the Order Processing master selector screen, type:

```
1            BASIC    <RETURN>
2            From the > prompt, type:
              LOAD "COESE"    <RETURN>
              2010 IF NUM(ES(127,2),ERR=2015)=0 GOTO 9000    <RETURN>
              2110 IF NUM(ES(131,2),ERR=2115)=0 GOTO 9000    <RETURN>
              SAVE "COESE"    <RETURN>
              RUN "DOL"        <RETURN>
```

The procedure is complete.

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PRODUCT: FORTUNE:WORD RELEASE LEVEL: 1.0 TIP NUMBER: 104.0
SUBJECT: Need to re-install if new O/S is installed DATE: 06/15/83

DESCRIPTION: If it becomes necessary to re-install the operating system, it may also be necessary to re-install the word processing software. This applies only for those systems using the 1.0 (May 23, 1983) release of FORTUNE:WORD.

NOTE: This does not apply to any other versions of word processing software.

BACKGROUND: The FORTUNE:WORD installation disk contains special print spooler files. The operating system disks also contain printer spooler files. If the operating system is re-installed (or a different version installed), the print spooler files are replaced, and the FORTUNE:WORD print spooler becomes inactive. To correct this situation, simply re-install the FORTUNE:WORD master disk.

NOTE: Future releases of the operating system (i.e., FOR:PRO Release Level 1.7 and greater) will correct this situation.

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PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 105.0
SUBJECT: Sales Journal not posting General Ledger **DATE:** 06/15/83
=====

DESCRIPTION: After installing the 1.1 BAS update diskette, the Accounts Receivable application's Sales Journal may not update the General Ledger.

BACKGROUND: The Sales Journals which have been printed since the installation of the 1.1 diskette are correct, but a General Ledger Journal Entry must be performed to record the account activity. Use the Sales Journal totals to prepare the Journal Entry.

During the G/L Interface portion of the Sales Journal printing procedure, a message may display to indicate that the G/L upating cannot occur. If this message occurs, press <RETURN> to return to the master selector screen, and follow the procedure below. The Sales Journal can be used afterwards as the basis for the manual General Ledger Journal Entry.

PROCEDURE: From the Accounts Receivable master selector screen, type:

- 1 **799** <RETURN>
- 2 **2** <RETURN> (for the CHANGE option)
- 3 **29** <RETURN> (for the INDEX #)
- 4 **<F4>** (to END)
- 5 **<F2>** (for NO to HARD COPY)
- 6 ***18** <RETURN> (for the INDEX #)
- 7 **13** <RETURN> (for the field number)
- 8 **CBIRB0** <RETURN> (for the program name)
- 9 **<F4>** (to END)
- 10 **<F2>** (for NO to HARD COPY)
- 11 Press <RETURN> to return to the option line.
- 12 Press <F4> to return to the Accounts Receivable master selector screen.

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - Payroll **RELEASE LEVEL:** all **TIP NUMBER:** 106.0
SUBJECT: Error 26 during Manual/Reverse Check Entry **DATE:** 06/15/83
=====

DESCRIPTION: In Payroll, an Error 26 and escape to BASIC will occur during Manual/Reverse Check Entry when an employee's workers compensation code is alphanumeric, rather than numeric only.

PROCEDURE: From the Payroll master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CPRDC1" <RETURN>
 1300 B4\$=X7\$,J9=4 <RETURN>
 SAVE <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - General Ledger **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 107.0
SUBJECT: Error message for 6-digit account number **DATE:** 06/15/83
=====

DESCRIPTION: In General Ledger, when adding a new account number to the Chart of Accounts, if the account number is six digits in length, the following error message erroneously displays:

ACCOUNT NUMBER MAY NOT CONTAIN LEADING SPACES
RETURN TO CONTINUE

PROCEDURE: From the General Ledger master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CGLSE0" <RETURN>
 EDIT 6105 C[] [IF POS(" " =X7\$) <>0] <RETURN>
 SAVE <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete. A six-digit number may now be used without generating an error message.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll **RELEASE LEVEL:** all **TIP NUMBER:** 108.0
SUBJECT: Gross to Net adds previous employee's FWT **DATE:** 06/15/83
=====

DESCRIPTION: In Payroll, the Gross to Net Processing procedure erroneously calculates Federal Withholding Tax (FWT) for new employees. The previous employee's FWT is added to the new employee's FWT calculation.

PROCEDURE: From the Payroll master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CPRRB" <RETURN>
 2015 DIM A(11),B(11);C2=0,D2=0,E2=0 <RETURN>
 SAVE <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - All Applications **RELEASE LEVEL:** all **TIP NUMBER:** 109.0
SUBJECT: Error 42 during File Mtnc. Audit Report **DATE:** 06/15/83
=====

DESCRIPTION: An Error 42 may occur during the End of Day procedure while the File Maintenance Audit Report is printing.

PROCEDURE: From the Business Utilities selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CUTFAL" <RETURN>
 1015 IF LEN(A1\$)<6 GOTO 1000 <RETURN>
 SAVE <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
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PRODUCT: BAS - Purchase Orders **RELEASE LEVEL:** all **TIP NUMBER:** 110.0
SUBJECT: Error 40 during Cost Adjustment Report **DATE:** 06/15/83
=====

DESCRIPTION: In Purchase Orders, while printing the Stock Receipts Journal and the Cost Adjustments Report, an Error 40 may occur. This happens when these conditions exist:

- o An inventory item contains a negative quantity on hand, resulting from Direct Sales Entry or Order Invoicing
- o A Stock Receipt is entered for that inventory item to bring the quantity on hand 'up' to zero.

BACKGROUND: When the Cost Adjustments Report is printed, the system calculates the average cost based on prices entered during Stock Receipts. When the quantity on hand is zero, the average cannot be calculated, due to division by zero.

PROCEDURE: From the Purchase Orders master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CPORJ1" <RETURN>
 EDIT 7100C[] [IF A1+A4<>0] <RETURN>
 7100: ELSE D1=0 <RETURN>
 SAVE <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

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FORTUNE SYSTEMS : SUPPORT CENTER
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PRODUCT: BAS-Accounts Receivable RELEASE LEVEL: 1.1 TIP NUMBER: 111.0
SUBJECT: Error 1 during Invoice Entry procedure DATE: 07/31/83
=====

DESCRIPTION: In Accounts Receivable, an Error 1 will occur during Invoice Entry if a ship-to address code is defined.

PROCEDURE: From the Accounts Receivable master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CSDA3" <RETURN>
EDIT 70C[U4\$]D[Y4\$] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 112.0
SUBJECT: Error 1 during Back Order Release DATE: 07/31/83
=====

DESCRIPTION: In Order Processing, if 'lengthy' back orders were created during the Order Invoicing procedure, subsequent Back Order Release procedures may result in an Error 1.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "COERD" <RETURN>
 EDIT 80C[T5\$]D[X5\$] <RETURN>
 SAVE <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
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PRODUCT: BAS - Payroll RELEASE LEVEL: 1.1 TIP NUMBER: 114.0
SUBJECT: Bonus pay amount to allow for cents DATE: 07/31/83
=====

DESCRIPTION: In Payroll, during the Manual/Reverse Check Entry procedure, the category for Bonus pay allows only an entry for whole dollars, and does not allow for cents.

PROCEDURE: From the Payroll master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CPRDC2" <RETURN>
DELETE 1250 <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 115.0
SUBJECT: Error 12 during Invoice Printing update **DATE:** 07/31/83
=====

DESCRIPTION: In Accounts Receivable, an Error 12 will occur during the invoice update portion of the Invoice Printing procedure when the system also contains Purchase Orders but not Order Processing.

PROCEDURE: From the Accounts Receivable master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CBIUAL" <RETURN>
132 OPEN (7,ERR=135)"CSAMD";CLOSE(7);GOTO 140 <RETURN>
EDIT 120 R[00135] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-All Applications RELEASE LEVEL: ALL TIP NUMBER: 116.1
SUBJECT: Multiple data bases with BAS applications DATE: 08/31/83
=====

DESCRIPTION: This procedure explains how to set up multiple and totally independent data bases. This allows the user to keep data for more than one company with multiple profit centers.

NOTE: Please refer to the General Ledger documentation regarding the use of company codes (Operator's Guide - pages A-1 and A-2 of the Appendix).

BACKGROUND: The present version of the BAS software is designed for a single business entity, with capabilities for sub-divisions within that business. Many businesses utilize the company codes for departments, profit centers, or divisions, with consolidated financial statements totaling all company codes.

Many requests have been received to allow for multiple businesses to be accounted for on a single hard disk. To fulfill this request, this technical tip explains how to 'duplicate' the data base structure, and establish a new selector screen from which each business entity can be chosen.

CAUTION: This technical tip should only be performed when necessary. Be certain ample space is available on the hard disk before attempting this procedure. If disk space becomes unavailable, a Software Error #140 may occur. If so, contact the Technical Support Center for assistance.

NOTE: This procedure is best performed when BASIC and the first BAS application are initially installed on a system, to ensure that the /b/BDATA directory is 'clean' for use in creating new ID codes. The B and T identification codes are not allowed so that no conflict will exist with the regular BDATA directory or with the training data base directory TDATA.

PROCEDURE: Login as manager, then select 'B1' from the Global Menu.

- 1 Enter a valid operator code and press <RETURN>.
- 2 From the Business Applications selector screen, type:

 BASIC <RETURN>

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```
3      From the > prompt, type:
      LOAD "CUTUGØ" <RETURN>
      96 OPEN(1) "D2" <RETURN>
      97 F$=FID(1) <RETURN>
      98 CLOSE(1) <RETURN>
      99 F$="cutug.eod "+F$(4,6)+F$(21,2) <RETURN>
      100 SHELL F$ <RETURN>
      SAVE <RETURN>
      BEGIN <RETURN>
      RELEASE <RETURN>
```

4 You have returned to the Global Menu. Press the
<CANCEL/DEL> key to return to the login screen.

5 Login as 'root' and press <RETURN>.

From the # prompt, type:

```
6      cd /usr/bin <RETURN>
7      ed BASIC <RETURN>
```

The system responds with a number. Type:

```
8      g/iplT$i/s//tmp$i/gp <RETURN>
```

The system responds with a line of information. Type the
following series of commands:

```
9      .-la <RETURN> (Note: One, not 'L')
```

```
10     ed ipls/iplT$i > /dev/null 2>&l << EOF <RETURN>
```

```
11     g/BDATA/s//$data$DATA/ <RETURN>
```

```
12     w ipls/tmp$i <RETURN>
```

```
13     q <RETURN>
```

continued.....

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```
14      EOF      <RETURN>
15      .      <RETURN>
16      .+la      <RETURN>      (Note: One, not 'L')
17      <TAB><TAB><TAB> rm -f ipls/tmp$i      <RETURN>
18      .      <RETURN>
19      g/exit /s//exit / ; rm -f ipls\tmp$i/gp
      <RETURN>
20      .a      <RETURN>
21      DATA=DATA      <RETURN>
22      while      <RETURN>
```

Note: In this next step, the characters '^L' should be entered by pressing the <CTRL> key and the 'L' key simultaneously.

```
23      echo -n '^L <RETURN> Enter the data base ID:'
      <RETURN>
24      read data      <RETURN>
25      do      <RETURN>
26      if test -d /b/$data$DATA      <RETURN>
27      then      <RETURN>
28      break      <RETURN>
29      else      <RETURN>
30      echo -n 'Invalid data base ID      <RETURN>
31      RETURN to continue '      <RETURN>
32      read ans      <RETURN>
33      continue      <RETURN>
34      fi      <RETURN>
```

continued.....

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```
35         done <RETURN>
36         . <RETURN>
37         w <RETURN>
The system displays a number. Type:
38         q <RETURN>
39         cd /b <RETURN>
40         ed cutug.eod <RETURN>
41         Øa <RETURN>
42         dir=$1 <RETURN>
43         . <RETURN>
44         g/BDATA/s//\ $dir/gp <RETURN>
45         w <RETURN>
46         q <RETURN>
```

You will now define a unique 1-character identification code for each data base. Any character from the keyboard can be used **with the exception of *,?,/, \, B, T, and &**. Each time a new code is to be established, the files from the /b/BDATA directory must be replicated to the new data base ID. To establish a new data base code and replicate the /b/BDATA directory, follow these steps:

In the following series of commands, 'x' is the new ID code.

```
47         cd / <RETURN>
48         mkdir /b/xDATA <RETURN>
49         chmod 777 /b/xDATA <RETURN>
50         cp -rout /b/BDATA/* /b/xDATA <RETURN>
```

The system now copies the indicated directories. When the # prompt is displayed, type:

```
<CTRL> d (simultaneously) To return to the login prompt.
```

This page serves as an addendum to Technical Tip #116.1, and should be performed only after tip 116.1 has been performed.

The additional steps outlined in this tip addendum modify the BAS Start of Day procedure to allow for the restoring of data files for the multiple data base environment that has been established.

PROCEDURE: Login as 'root', and from the # prompt, type:

1 ed /b/cutuf.sod <RETURN>

The system responds with a number. Without any prompt, type:

2 g/BDATA/s//\ \$1/gp <RETURN>

3 w <RETURN>

4 q <RETURN>

5 <CTRL> d (simultaneously)

6 Login normally, and select B1 from the Global Menu.

7 Enter an operator code, and from the Business Applications master selector screen, type:

8 BASIC <RETURN>

9 LOAD "CUTUF0" <RETURN>

10 1108 OPEN (1) "D2"; F\$=FID(1); CLOSE (1) <RETURN>

11 1110 SHELL "cutuf.sod " + F\$(4,6)+F\$(21,2) <RETURN>

12 SAVE <RETURN>

13 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BASIC	RELEASE LEVEL: ALL	TIP NUMBER: 117.0
SUBJECT: Emulating 'GHOST' tasking	DATE: 07/31/83	

=====

DESCRIPTION: GHOST tasking is used in other Business BASIC systems to perform various functions independent of any terminal device. Although the command itself is not implemented in Fortune's release of the SMC interpreter, it can be emulated if needed.

PROCEDURE: Login as 'root', and from the # prompt, type the following series of commands:

```
1      cd /usr/bin      <RETURN>
2      ed GHOST        <RETURN>
3      a               <RETURN>
4      trap ' > basic.Tpool/$i ;\ <RETURN>
5      rm -f ipls/ghost$i;exit 0 ' 1 2 3 15 <RETURN>
6      umask 0         <RETURN>
7      cd /b           <RETURN>
8      for i in `ls basic.Tpool` no.more <RETURN>
9      do <RETURN>
10     case $i in <RETURN>
11     [0-7]) <RETURN>
12     rm -f basic.Tpool/$i <RETURN>
13     ed ipls/ghostipl > /dev/null 2>&1 << EOF <RETURN>
14     g/pgmname/s//$1/ <RETURN>
15     g/Tx/s//T$i/ <RETURN>
16     w ipls/ghost$i <RETURN>
17     q <RETURN>
18     EOF <RETURN>
19     basic.psd ipls/ghost$i <RETURN>
```

continued....

FORTUNE SYSTEMS : SUPPORT CENTER
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continued:

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```
20      stty -cbreak echo <RETURN> > INSULATE REST OF
21      rm -f ipls/ghost$i <RETURN>    SYSTEM FROM THIS
22      > basic.Tpool/$i <RETURN>
23      ;; <RETURN>
24      *) <RETURN>
25      echo -n 'No more Business BASIC terminals <RETURN>
26      available, please try again later. <RETURN>
27      Press <RETURN> to continue ' <RETURN>
28      read ans <RETURN>
29      ;; <RETURN>
30      esac <RETURN>
31      break <RETURN>
32      done <RETURN>
33      . <RETURN>
34      w <RETURN>
35      q <RETURN>
36      cd /b/ipls <RETURN>
37      ed ghostipl <RETURN>
38      a <RETURN>
39      CNF 1,9,1,19,,0 <RETURN>
40      PTN 1,20000 <RETURN>
41      DEV D0,1,8000,,,,,/b/BUTIL <RETURN>
42      DEV D1,1,8000,,1,,,/b/BWORK <RETURN>
```

continued.....

FORTUNE SYSTEMS : SUPPORT CENTER
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```
43      DEV Tx,7,3216,,,,,null  <RETURN>
44      DEV LP,4,3500,,,,,lp    <RETURN>
45      DEV P2,4,3500,,,,,lp    <RETURN>
46      DEV P3,4,3500,,,,,lp    <RETURN>
47      DEV P4,4,3500,,,,,lp    <RETURN>
48      DEV P5,4,3500,,,,,lp    <RETURN>
49      DEV P6,4,3500,,,,,lp    <RETURN>
50      IPL 1,2,Tx,pgmname      <RETURN>
51      END  <RETURN>
52      .  <RETURN>
53      w  <RETURN>
54      q  <RETURN>
55      chmod 777 /usr/bin/GHOST  <RETURN>
56      chmod 666 /b/ipls/ghostipl  <RETURN>
```

After completing the above procedure, the syntax used to start a ghost task is:

```
SHELL "/usr/bin/GHOST pgmname &" <RETURN>
```

where 'pgmname' is the BASIC program to be run as the ghost task. Unlike other implementations of ghost tasking, there is no utility currently available which will allow communication with the ghost, so care should be taken that the program is tested and de-bugged thoroughly before being run as a ghost.

The last line executed in the ghost task must be a **RELEASE** statement, in order to clear the task from the interpreter.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - General Ledger RELEASE LEVEL: 1.1 TIP NUMBER: 118.0
SUBJECT: Incorrect ratio analysis calculations DATE: 07/31/83
=====

DESCRIPTION: In General Ledger, the final page of the Balance Sheet which produces ratio analyses is incorrect for the combination of the caption CURRENT ASSETS.

BACKGROUND: The combination for Current Assets currently includes the indicator for Prepaid Expenses. Some accountants do not wish to have Prepaid Expenses included in ratio calculations for Current Assets. The final edit during this technical tip is optional; that is, enter that line only if you do NOT want Prepaid Expenses included in the combination for Current Assets.

PROCEDURE: From the General Ledger master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CGLRF1" <RETURN>
EDIT 1054C[1]R[+]C[Z3=R(1)]R[+] <RETURN>
1054: +R(5) <RETURN>
EDIT 1072C[1]R[+] <RETURN>
SAVE <RETURN>
- 3 To perform the optional removal of Prepaid Expenses from the combination for Current Assets, type:
EDIT 1054 C[R(3)+]D[+] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - General Ledger **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 119.0
SUBJECT: Unable to do G/L UPDATE during Training **DATE:** 07/31/83
=====

DESCRIPTION: In General Ledger, during Operator Training, the data files include erroneous information that prevents the completion of the G/L UPDATE procedure. The message displayed indicates transactions exist for other periods, and must be updated before current period transactions.

To correct the erroneous information, it must first be deleted from the training data base, and then copied onto the General Ledger Master Disk, Volume 1 to allow for subsequent operator training sessions.

- PROCEDURE:** After installing the General Ledger Master Disks, Volumes I and II, return to the Global Menu.
- 1 Select **t3 Operator Training** and press <RETURN>.
 - 2 Select **1 Business Applications** and press <RETURN>.
 - 3 Type the following series of commands:
 - 4 **GLO** <RETURN> (for the Operator Code)
 - 5 **797** <RETURN> (for the selection)
 - 6 **165** <RETURN> (for file name CGLTR)
 - 7 **3** <RETURN> (for the DELETE option)
 - 8 <F7> (for the next record)
 - 9 The first record on file displays. Field 2 is set to 01. This record should be deleted.
 <F1> (to answer YES)
 - 10 <F1> (to confirm the answer)
 - 11 <F2> (for NO hard copy)
 - 12 <F7> (for the next record)
 - 13 The next record on file displays. Field 2 is still set to 01. This record should also be deleted.
 <F1> (to answer YES)
 - 14 <F1> (to confirm the answer)

continued....

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll RELEASE LEVEL: 1.1 TIP NUMBER: 120.0
SUBJECT: Paging and spacing for P/R Register DATE: 07/15/83

DESCRIPTION: In Payroll, the Payroll Register may not page advance or line space properly, with one or more blank pages interspersed between properly printed pages.

PROCEDURE: From the Payroll master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CPRRH1" <RETURN>
EDIT 7240C[+]R[7] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: FORTUNE:WORD RELEASE LEVEL: 1.1 TIP NUMBER: 123.0
SUBJECT: Archiving documents DATE: 07/31/83
=====

DESCRIPTION: This technical tip outlines situations which may occur during the archiving of FORTUNE:WORD documents.

During the archiving of a document, this message may appear at the bottom of the screen.

 can't write, out of space

BACKGROUND: This message indicates that the flexible disk being used for the archiving has run out of space while attempting to archive the document. Only part of the document will have been copied to the archive disk.

 Unfortunately, the document (and its '.dc' and '.fr' files) has been removed from the hard disk.

PREVENTION: To avoid this situation, each operator should make note of the percentage of flexible disk space used after inserting the archive disk. The system displays this information at the bottom of the screen after the operator inserts the flexible disk and presses <EXECUTE>. If the document to be archived is lengthy, and the flexible disk is nearly full, it would be safer to use a new (empty) formatted flexible disk.

NOTE: This situation will be corrected by a future release of FORTUNE:WORD.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 124.1
SUBJECT: Inventory Adjustments for LIFO/FIFO items DATE: 08/15/83
=====

DESCRIPTION: In Order Processing, the Inventory Adjustments Entry procedure does not allow for an increase to an inventory item if that item is a LIFO or FIFO item with an undefined lot (one which has a zero quantity on hand and a zero cost).

NOTE: This technical tip should only be performed when the inventory valuation method used is LIFO or FIFO.

PROCEDURE: From the Order Processing master selector screen, type:

```
1 BASIC <RETURN>
2 From the > prompt, type:
LOAD "CICDB0" <RETURN>
EDIT 1200 C["L"]D[ADD"][IF S<>1 OR V(L9)<>0] <RETURN>
EDIT 7530 C[ ][IF S<>1] <RETURN>
SAVE <RETURN>
LOAD "CICUC1" <RETURN>
4003 IF V(D4)=0 V(D4)=B4 <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 125.0
SUBJECT: Inventory items without bin locations DATE: 07/31/83
=====

DESCRIPTION: In Order Processing, the various reports which may be printed for inventory items may not print properly. In some cases, the operator may receive a program exception or error message. In other cases, the report will print but will omit certain items. In some cases, the report will print erroneous data.

BACKGROUND: The inventory item master records contain a field for bin location, relating to the physical location of each item in each warehouse. Since this is not a required field, many businesses do not define a value for this field. Unfortunately, many of the reports require the bin location to be defined for each active warehouse where quantities on hand are defined.

This technical tip enables the Physical Inventory Subsystem to allow for all inventory items, even if a bin location is not defined. Once the Physical Inventory has been completed, each inventory item master record should be changed to include a defined bin location. If bin locations are unnecessary to the business, define a single code for all items, such as 'A1' or 'X'.

PROCEDURE: From the Order Processing or Purchase Orders master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CICUA0" <RETURN>
EDIT 1030 C[] [REM] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 126.1
SUBJECT: Loss of Order Date after Order Correction DATE: 12/31/83

=====

DESCRIPTION: In Order Processing, if an order is created and then changed using the Order Correction option, the printed sales order leaves the Order Date field blank.

PROCEDURE: From the Order Processing master selector screen, type:

1 BASIC <RETURN>

2 From the > prompt, type:

LOAD "COEOE9" <RETURN>

EDIT 7020 C[(A8)]D[Q8\$] <RETURN>

7022 IF Q8\$<>" " AND Q8\$<>" M4\$=Q8\$ <RETURN> |

NOTE: There are six space between the first set of quotes. |

SAVE <RETURN>

RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - General Ledger RELEASE LEVEL: 1.1 TIP NUMBER: 127.1
SUBJECT: Retained Earnings after Year-end Closing DATE: 08/15/83

=====

DESCRIPTION: In General Ledger, the Retained Earnings year-end total, as displayed in the Closing Period Record, resets to zero after a year-end close. However, the amount does not post to the BAL FWD LSTYR (field 8) in the Chart of Accounts record, thereby causing an out-of-balance condition at the beginning of the new year.

PROCEDURE: From the General Ledger master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CGLUA0" <RETURN>
7260 R0=C8, C8=0 <RETURN>
EDIT 1012 C[=A1+]R[R0] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>
EDIT 7190 C[72] R[6] <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Accounts Payable RELEASE LEVEL: 1.1 TIP NUMBER: 128.0
SUBJECT: Error 1 while printing Adjustments Journal DATE: 07/31/83
=====

DESCRIPTION: In Accounts Payable, an Error 1 may be received during the printing of the A/P Adjustments Journal.

PROCEDURE: From the Accounts Payable selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CAPRK5" <RETURN>
EDIT 140 C[E4\$]D[L4\$] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 130.1
SUBJECT: Title not printing on Sales Journal **DATE:** 09/30/83

=====

DESCRIPTION: In Accounts Receivable, after installing the 1.1 update diskette, the title of the Sales Journal does not print. This only occurs when Order Processing is not installed on the system.

DIAGNOSIS: Do procedure (A) if IDOL is also installed on the system. Otherwise, do procedure (B).

PROCEDURE: (A) From the Accounts Receivable master selector screen, type:

- | | | | |
|----|--------|----------|--------------------------------|
| 1 | 797 | <RETURN> | |
| 2 | 33 | <RETURN> | (for the file number) |
| 3 | 2 | <RETURN> | (for the CHANGE option) |
| 4 | CARRB0 | <RETURN> | (for the file name) |
| 5 | 2 | <RETURN> | (for the field number) |
| 6 | CBIRB0 | <RETURN> | (for the new file name) |
| 7 | <F4> | | (to end the changes) |
| 8 | <F2> | | (for NO to hard copy) |
| 9 | <F4> | | (to return to the option line) |
| 10 | <F4> | | (to end file maintenance) |

The procedure is complete.

PROCEDURE: (B) From the Accounts Receivable master selector screen, type:

- | | | | |
|---|--|----------|--|
| 1 | BASIC | <RETURN> | |
| 2 | From the > prompt, type: | | |
| | OPEN (1) "CCNVZ" | <RETURN> | |
| | WRITE (1,KEY="RCBIRB0") "RCBIRB0", "SALES JOURNAL", "X", | | |
| | "",0,128,0,0 | <RETURN> | |
| | RUN "DOL" | <RETURN> | |

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll RELEASE LEVEL: 1.1 TIP NUMBER: 131.0
SUBJECT: Reverse Checks cause erroneous G/L posting DATE: 08/31/83
=====

DESCRIPTION: In Payroll, while using the Reverse Check procedure, if the amount of the reversed check is greater than the amount of the original check, the resulting General Ledger posting is erroneous.

PROCEDURE: From the Payroll master selector screen, type:

```
1       BASIC   <RETURN>
2       From the > prompt, type:
          LOAD "CGLUX0"   <RETURN>
          7285 IF X$(7,4)="CPRJ" GOTO 7330   <RETURN>
          SAVE   <RETURN>
          RUN "DOL"    <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 132.0
SUBJECT: Inventory Adjustments in whole dollars DATE: 08/31/83

=====

DESCRIPTION: In Order Processing, the Inventory Adjustments Entry procedure displays inventory item costs in whole dollars, rather than dividing by 100 and displaying in cents. This occurs only when the decimal point is not entered for the dollar amount of the inventory item cost.

PROCEDURE: From the Order Processing master selector screen, type:

1 **BASIC** <RETURN>

2 From the > prompt, type:

LOAD "CICDB0" <RETURN>

1235 IF LEN(X7\$)<>0 AND POS("."=X7\$)=0 X7=X7*.01
<RETURN>

SAVE <RETURN>

RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 133.0
SUBJECT: Direct Sales Entry - correction phase DATE: 08/31/83
=====

DESCRIPTION: In Order Processing, the Direct Sales Entry procedure allows for corrections to be made after answering NO to INVOICE CORRECT? (Y/N). However, if <RETURN> is pressed for the quantity field on any line, the quantity is zeroed out, rather than retaining the previously defined quantity.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "COEDS9" <RETURN>
EDIT 1170 C[STR(A)]R[9] C[GOTO 012]R[37] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 134.2
SUBJECT: Invoices not printing unit of measure DATE: 05/24/84

=====

DESCRIPTION: In Order Processing, printed invoices and debit/credit memos do not display the unit of measure.

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you should do this procedure. From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
 LOAD "CBIUAØ" <RETURN>
 2Ø3Ø PRINT (6,ERR=Ø8ØØØ)@(23),D2\$,@(26),C2\$,
 <RETURN>
- 3 **SAVE** <RETURN>
- 4 **RUN "DOL"** <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: FORTUNE:WORD	RELEASE LEVEL: 1.1	TIP NUMBER: 135.0
SUBJECT: Printing with draft font on IDS printers	DATE: 09/30/83	

=====

DESCRIPTION: This technical tip explains how to enable draft font printing on the IDS printer.

BACKGROUND: In this procedure, it will be necessary to copy the appropriate file before performing the changes. Once the changes are completed and checked for accuracy, the copy can be removed.

PROCEDURE: Login as root, and from the # prompt, type:

```
1 cp /etc/ids.wh1 /etc/ids.wh12 <RETURN>
2 ed /etc/ids.wh1 <RETURN>
3 The system resonds with a number, and the cursor
  drops down one line, with no visible prompt. Type:
  />.*1/ <RETURN>
4 The system responds with >ASCII|1 . Type:
5 />$/ <RETURN>
6 The system displays a blank line. Type:
7 i <RETURN> <RETURN>
8 # draft font on IDS prism printer <RETURN>
9 # wp print wheel la on IDS <RETURN>
10 > ASCIIa|la <RETURN>
11 +init "[R,2,$" <RETURN>
12 . <RETURN>
```

NOTE: The '|' sign and the '\' sign are the grey keys at the left of the keyboard.

At this point, verify that the above twelve steps have been entered correctly. If any errors exist, type:

```
13 Q <RETURN>
```

and return to step 2. If all is correct, type:

```
13 w <RETURN>
14 q <RETURN>
```

continued.....

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

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continued:

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=====

Press <CTRL> and d simultaneously, login as usual, and test the changes made by printing a document in FORTUNE:WORD. The user must select print wheel #1a on the print menu when printing draft font on the IDS (you could also select print wheel #1 for correspondence font). If draft font does not function properly, exit FORTUNE:WORD, return to the login screen, and login as 'root'. Type:

```
15      cp /etc/ids.whl2 /etc/ids.whl  <RETURN>
```

to return the file to its original version, and repeat this tip from step 1. Once draft font works properly, return to the root directory and remove the copy of the file by typing:

```
16      rm /etc/ids.whl2  <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing	RELEASE LEVEL: 1.1	TIP NUMBER: 136.0
SUBJECT: Invoice Printing 'hangs' system		DATE: 09/30/83

=====

DESCRIPTION: In Order Processing, the Invoice/Memo Printing procedure may result in a 'hung' system during the open order purge portion of the update.

NOTE: This procedure should only be done when the system has 'hung' (when there is no response from the keyboard). DO NOT PERFORM THIS TECHNICAL TIP UNLESS THIS SITUATION OCCURS.

PROCEDURE: Make note of the last invoice number displayed on the screen, and reduce the number by one. For example, if the last number displayed was H 2093, then the number to write down is H 2092. Be sure to include spaces in the invoice number. The complete invoice number is six characters in length, including the first character of the company code.

NOTE: If the system is configured for multi-user, be certain all other terminals have completed their procedures before resetting the system.

```
1      Login normally, select B1, and enter a valid operator
      code. From the Business Applications selector
      screen, type:

2      BASIC <RETURN>

3      From the > prompt, type:

      LOAD "CBIUA3" <RETURN>

      EDIT 1070 C[ ]D[CT][READ] <RETURN>

      EDIT 1080 C[ ]D[CT][READ] <RETURN>

      EDIT 3005 C[(4,)[KEY=A4$,] <RETURN>

      EDIT 3070 C[(3,)[KEY=B1$,] <RETURN>

      END <RETURN>

      OPEN(1) "CIVHD" <RETURN>

      OPEN(2) "CIVDT" <RETURN>

      EDIT 230 C[="][xxxxxx] <RETURN> (where the x's
      are the noted
      invoice number)

      DIM X$(100) <RETURN>

      RUN <RETURN>
```

The system will resume the open order purge, and will return to the Order Processing selector screen.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - All Applications RELEASE LEVEL: 1.1 TIP NUMBER: 137.0
SUBJECT: Software Error 140 in End of Day Procedure DATE: 09/30/83

=====

DESCRIPTION: In BAS, the End of Day Procedure may result in a Software Error 140, requiring a power shutoff.

PROCEDURE: Power on the system, and enter the date and time as appropriate. Type:

1 root <RETURN> for the login name. Enter a password if required.

2 cd /b <RETURN>

3 ed cutug.eod <RETURN>

The system will respond with a number. Type:

4 g/BDATA/p <RETURN>

5 c <RETURN>

6 cp -BUrt /dev/fd02 790 150 BDATA BWORK <RETURN>

7 . <RETURN>

8 g/BAS/p <RETURN>

9 c <RETURN>

10 <TAB><TAB><TAB><TAB>
cp -BUrt /dev/fd02 790 150 IDOL BAS BUTIL <RETURN>

11 . <RETURN>

12 w <RETURN>

The system responds with a number. Type:

13 q <RETURN>

14 <CTRL> D (simultaneously) to return to login

The procedure is complete. If a Software Error 140 still occurs, call the Technical Support Center for assistance.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll RELEASE LEVEL: 1.1 TIP NUMBER: 138.0
SUBJECT: Error 19 printing Employee Master Report DATE: 09/30/83
=====

DESCRIPTION: In Payroll, if the Employee Master Report is printed twice in succession, it will result in an escape to BASIC console mode, with a displayed Error 19 condition.

PROCEDURE: From the Payroll master selector screen, type:

```
1       BASIC   <RETURN>
2       From the > prompt, type:
          LOAD "CPRRL0"   <RETURN>
          EDIT 1030 C[GOTO ]R[090]   <RETURN>
          9010 F$=FID(7);CLOSE(7);OPEN(7)F$(4,6)   <RETURN>
          SAVE   <RETURN>
          RUN "DOL"   <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Purchase Orders RELEASE LEVEL: 1.1 TIP NUMBER: 139.1
SUBJECT: Inaccuracy for negative on hand quantity DATE: 12/31/83

=====

DESCRIPTION: In Purchase Orders, if an inventory item has a negative on hand quantity, and a stock or purchase order receipt is entered (and the appropriate journal printed), the average cost for the item will also become negative if the resultant on quantity is still negative. This technical tip corrects the calculation.

PROCEDURE: From the Purchase Orders master selector screen, type:

```
1    BASIC    <RETURN>
2    From the > prompt, type:
      LOAD "CPORC3"    <RETURN>
      EDIT 7105 C[ ] [IF D5>=0]    <RETURN>
      7105: ELSE D1=B5    <RETURN>
      7101 IF D5+C5=0 D1=B5    <RETURN>
      SAVE    <RETURN>
      LOAD "CPORJ1"    <RETURN>
      EDIT 7100 C[ ] [IF A1>=0]    <RETURN>
      7100: ELSE D1=B4    <RETURN>
      SAVE    <RETURN>
      RUN "DOL"    <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable RELEASE LEVEL: 1.1 TIP NUMBER: 140.0
SUBJECT: Suppressing zero balance statements DATE: 12/01/83
=====

DESCRIPTION: In Accounts Receivable, customer statements will print when the transaction detail totals zero. This technical tip explains how to suppress the printing of customer statements when the balance is zero.

NOTE: This is an optional tip, and should only be performed when zero balance statements are not required.

PROCEDURE: From the Accounts Receivable master selector screen, type:

```
1 BASIC <RETURN>
2 From the > prompt, type:
LOAD "CARRF1" <RETURN>
1028 IF B3-C3-D3+E3=0 GOTO 1050 <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS-Accounts Payable	RELEASE LEVEL: 1.1	TIP NUMBER: 142.0
SUBJECT: Message: Check Number Already Issued	DATE: 12/01/83	

=====

DESCRIPTION: In Accounts Payable, during the Check Printing procedure, the user is required to define the first check number to be used during the printing procedure. Often, this message may appear:

CHECK NUMBER ALREADY ISSUED, RETURN TO CONTINUE

even though the entered check number may not have been used previously.

PROCEDURE: From the Accounts Payable master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CAPRG0" <RETURN>
EDIT 7460 C[=9][OR X1=6] <RETURN>
EDIT 7467 C[X7\$(]D[1] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Accounts Receivable RELEASE LEVEL: 1.1 TIP NUMBER: 143.0
SUBJECT: Aging criteria during customer statements DATE: 12/01/83
=====

DESCRIPTION: In Accounts Receivable, during customer statement printing, the user is able to print statements based on aging criteria (current statements, 30-59 days, 60-89 days, over 90 days, or all). Currently, the aging selection does not work, and all statements are printed regardless of the user selection.

PROCEDURE: From the Accounts Receivable master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CARRF1" <RETURN>
DELETE 1040 <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS-Order Processing RELEASE LEVEL: 1.1 TIP NUMBER:144.0
SUBJECT: Error in On Order amount in Customer Master DATE: 12/01/83
=====

DESCRIPTION: In Order Processing, after the Order Cancellation procedure is performed, the On Order amount in the customer master file is erroneously calculated. This technical tip will correct the calculation.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "COEOE1" <RETURN>
1005 A3=0,A4=0 <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 145.0
SUBJECT: Customer statements not purging open file **DATE:** 12/01/83

=====

DESCRIPTION: In Accounts Receivable, after printing customer statements at the end of a month, the system incorrectly purges the transaction file for those transactions equal to zero (i.e., invoices which have had cash receipts/memos/adjustments applied to them). This technical tip will correct the purge portion of the program.

PROCEDURE: From the Accounts Receivable master selector screen, type:

```
1 BASIC <RETURN>
2 From the > prompt, type:
LOAD "CARRF2" <RETURN>
EDIT 1205 C[GOTO ]R[01200] RETURN
EDIT 1110 C[=]R["" ] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Payroll	RELEASE LEVEL: 1.1	TIP NUMBER: 146.0
SUBJECT: SDI not printing on W-2's	DATE: 12/31/83	

=====

DESCRIPTION: In Payroll, the printed W-2's do not include amounts for State Disability Insurance (SDI). This procedure corrects this situation.

PROCEDURE: From the Payroll master selector screen, type:

1 BASIC <RETURN>

2 From the > prompt, type:

LOAD "CPRRKØ" <RETURN>

3195 L1\$(37)=STR(D(5):M9\$(3)), L1\$(48)=B2\$+" SDI"
<RETURN>

SAVE <RETURN>

RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 147.0
SUBJECT: Direct Sales Report printing wrong date DATE: 12/31/83

=====

DESCRIPTION: In Order Processing, the Direct Sales Report currently prints the date of the direct sale instead of the date of the invoice. This technical tip will correct this situation.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "COEDSD" <RETURN>
EDIT 80 C[3\$,]R[N4\$]D[]] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - Order Processing **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 148.0
SUBJECT: Voided invoices not handled properly **DATE:** 12/31/83
=====

DESCRIPTION: In Order Processing, voided invoices generated through Direct Sales Entry or Order Invoicing are not recorded and updated properly. This technical tip will allow for voided invoices to be properly recorded and updated.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CBIUA2" <RETURN>
EDIT 1010 C[IF]D[THEN] [POS("VOID"=B1\$)<>0] <RETURN>
SAVE <RETURN>
LOAD "CBIRB0" <RETURN>
**EDIT 6020 C[IF]D[THEN] [POS("VOID"=B2\$)<>0 OR
LEN(B2\$)<4]** <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Accounts Payable RELEASE LEVEL: 1.1 TIP NUMBER: 149.0
SUBJECT: Error message during Manual Payment Entry DATE: 12/31/83

=====

DESCRIPTION: In Accounts Payable, during the Manual Payment Entry procedure, this message may be received:

THIS INVOICE IS INVALID, RETURN TO CONTINUE

BACKGROUND: Even though the invoice information defined during this entry procedure may be correct, the system is incorrectly processing the data. This technical tip will correct this situation.

PROCEDURE: From the Accounts Payable master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CAPDB2" <RETURN>
EDIT 110 C[H1\$]D[M1\$] <RETURN>
SAVE <RETURN>
LOAD "CAPDB4" <RETURN>
EDIT 110 C[H1\$]D[M1\$] <RETURN>
SAVE <RETURN>
LOAD "CAPDB8" <RETURN>
EDIT 110 C[H1\$]D[M1\$] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 158.0
SUBJECT: Error 11 during Order Entry DATE: 12/31/83

=====

DESCRIPTION: In Order Processing, an Error 11 may occur during the Order Entry procedure when no line item detail is defined, and 'yes' is answered to the ORDER CORRECT? message. This technical tip will correct this situation.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
 LOAD "COEOE5" <RETURN>
 EDIT 9815 C()][, DOM=9860] <RETURN>
 SAVE <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 151.0
SUBJECT: Erroneous G/L Posting for Inv. Adjustments **DATE:** 01/31/84

=====

DESCRIPTION: In Order Processing, an erroneous G/L posting will occur following the printing of the Inventory Adjustments Journal if the inventory adjustments were to multiple company codes.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CICUC2" <RETURN>
310 T0=0 <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

PRODUCT: BAS - Order Processing **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 152.0
SUBJECT: Error 42 during update of Invoice Printing **DATE:** 01/31/84
=====

DESCRIPTION: In Order Processing, an Error 42 may occur during the update phase of the Invoice Printing procedure.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CBIUA2" <RETURN>
EDIT 7812 C[=2]D[AND] [IF] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 153.0
SUBJECT: Critical Inventory Report missing items DATE: 01/31/84

=====

DESCRIPTION: In Order Processing, the Critical Inventory Report does not report those items that do not have a bin location defined and omits other items at random.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>

- 2 From the > prompt, type:
 LOAD "CICRA0" <RETURN>
 DELETE 1050 <RETURN>
 EDIT 1060 C[IF][R(I)=0 OR] <RETURN>
 DELETE 7150 <RETURN>
 EDIT 7160 C[IF][R(I)=0 OR] <RETURN>
 SAVE <RETURN>
 RUN "DOL" <RETURN>

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

=====

PRODUCT: BAS - Purchase Orders **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 154.0
SUBJECT: Erroneous data when not printing journal **DATE:** 01/31/84

=====

DESCRIPTION: In Purchase Orders, failure to print the Stock Receipts Journal after each entry session will cause erroneous results.

PROCEDURE: From the Purchase Orders master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CPODC0" <RETURN>
131 K\$=KEY(3,END=135) <RETURN>
132 PRINT 'CS', "STOCK RECEIPTS JOURNAL MUST BE PRINTED BEFORE NEW RECEIPTS"; WAIT 5; GOTO 9010
 <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 155.0
SUBJECT: Printing Aged Trial Balance by Company **DATE:** 01/31/84

=====

DESCRIPTION: In Accounts Receivable, it is a slow process to print the Aged Trial Balance for a specified company code when multi-company transactions exist. This technical tip will speed up the printing process.

PROCEDURE: From the Accounts Receivable master selector screen, type:

```
1 BASIC <RETURN>
2 From the > prompt, type:
  LOAD "CARRE2" <RETURN>
  7123 IF M2$(1,6)>A3$ L9=1; GOTO 7365 <RETURN>
  SAVE <RETURN>
  RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Accounts Payable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 156.0
SUBJECT: Check Register 'hangs' system **DATE:** 01/31/84
=====

DESCRIPTION: In Accounts Payable, while printing the Check Register, the system (or terminal) may 'hang'. This technical tip will correct this situation.

PROCEDURE: From the Accounts Payable master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 , From the > prompt, type:
LOAD "CAPRH1" <RETURN>
EDIT 7120 C[]D[CT][FIND] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: FOR:PRO Operating Sys. **RELEASE LEVEL:** 1.7 **TIP NUMBER:** 158.0
SUBJECT: No shutdown required after device changes **DATE:** 01/31/84

=====

DESCRIPTION: This procedure describes how to make device changes effective after making changes to the Device Connections table (S2 39 from the Global Menu) without going through the shutdown procedure.

BACKGROUND: In previous versions of the operating system, it was a requirement to do a system shutdown when changing a device for any reason except baud rate. For a system operating with 1.7 FOR:PRO, this procedure can be followed as long as the changes are not to an active user's port.

PROCEDURE: Login as 'root', and from the # prompt, type:

- 1 /m/sysman/dtinit -M <RETURN>
- 2 kill -2 1 <RETURN>

- NOTES:**
- a) It is still a requirement to perform a system shutdown after installing FOR:PRO Multi-user.
 - b) If the message: **/m/sysman/dtinit: not found** appears, the system has probably not been upgraded to the 1.7 FOR:PRO operating system version.
 - c) If you find this procedure useful, it may be faster to write a simple shellscript to perform this procedure. Refer to Section 3 (Advanced Concepts) in Introduction to FOR:PRO, for information on how to write a shellscript.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: FOR:PRO Operating Sys. **RELEASE LEVEL:** 1.7 **TIP NUMBER:** 159.0
SUBJECT: System 'loops' during cold boot procedure **DATE:** 01/31/84

DESCRIPTION: During the cold boot procedure, the system may 'loop' after the following question is displayed:

Is floppy #1 replaced with floppy #2 yet (y or n)?

If the question is answered 'yes' (y), the system will respond with the error message:

You have inserted the wrong volume. Please insert floppy #2.

BACKGROUND: This procedure permits the cold boot procedure to continue, although the problem may reoccur during subsequent cold boot procedures.

PROCEDURE: From the message 'Is floppy #1 replaced with floppy #2 yet (y or n)?', type:

1 single <RETURN>

The system will respond with the message: 'Going into maintenance mode'. From the # prompt, type:

2 cp /etc/rc.hd /etc/rc <RETURN>

3 ed /etc/rc.pass2 <RETURN>

The system will respond with the number '2803'. Without any prompt, type:

4 ll,4ld <RETURN>

5 w /etc/rc.pass2.run <RETURN>

The system will respond with the number '1994'. Without any prompt, type:

6 q <RETURN>

From the # prompt, type:

7 sync <RETURN>

continued....

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

TIP NUMBER: 159.0

DATE: 01/31/84

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=====

- 8 Wait 30 seconds and reset the system (or poweroff and back on again). After power-up sequence number 9, the system should display the message 'Is floppy #1 replaced with #2 yet (y or n)?'.
- 9 Insert volume 2 of the cold boot set into the floppy drive, and type:

y <RETURN>
- 10 The system should display the message 'Copying files from floppy #2', and resume the cold boot procedure.

NOTES:

If this procedure does not alleviate the situation, contact Technical Support for further assistance.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - General Ledger	RELEASE LEVEL: 1.1	TIP NUMBER: 160.0
SUBJECT: Detail Report prints erroneous dates		DATE: 01/31/84

=====

DESCRIPTION: In General Ledger, the G/L Detail Report may display incorrect period information in the header section of the report. This will occur for all company codes whose Closing Period Record is not for a January to December fiscal year.

PROCEDURE: From the General Ledger master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CGLRC1" <RETURN>
EDIT 7660 C[" ,][N7]D[] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - All Applications RELEASE LEVEL: 1.7 TIP NUMBER: 161.0
SUBJECT: Improvement to End of Day backups DATE: 01/31/84

=====

DESCRIPTION: This technical tip modifies the End of Day procedure by adding a FOR:PRO copy option which will verify the accuracy of the information being backed up onto each floppy disk.

NOTE: This technical tip is optional, and can only be performed on systems which have been upgraded to the 1.7 FOR:PRO operating system.

PROCEDURE: To verify the version of the operating system, login as 'root', and from the # prompt, type:

1 **what /unix** <RETURN>

The system should respond with the message:

For:Pro Single(Multi) User Version 1.7p (date & time)

If the version is not 1.7, this tip cannot be performed.

From the # prompt, type:

2 **ed /b/cutug.eod** <RETURN>

The system will display a number. Without any prompt, type:

3 **g/ -B/s// -BX/gp** <RETURN>

The system will display two resultant lines of syntax from the End of Day shellsript. Without any prompt, type:

4 **w** <RETURN>

5 **q** <RETURN>

6 <CTRL> **d** (to return to the login screen)

Login normally and resume normal operations. Future End of Day procedures will include a data verification step to insure completeness and accuracy.

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 162.1
SUBJECT: Customer number beginning with C or D **DATE:** 05/24/84

=====

DESCRIPTION: In Accounts Receivable, Adjustments Entry will not accept a customer number if the customer number begins with the letters 'C' or 'D'. This Technical Tip will correct this situation.

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you should do this procedure. From the Accounts Receivable master selector screen, type:

```
1      BASIC  <RETURN>
2      From the > prompt, type:
3      LOAD "CARDB"  <RETURN>
4      EDIT 7725 C[ ] [IF J9<>1]  <RETURN>
5      EDIT 7750 C[ ] D[OR] [IF D$(7+R9,1)="A" OR]  <RETURN>
6      SAVE  <RETURN>
7      RUN "DOL"  <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll RELEASE LEVEL: 1.1 TIP NUMBER: 163.0
SUBJECT: Check stub prints inaccurate Gross Pay DATE: 03/15/84
=====

DESCRIPTION: In Payroll, the printed employee paycheck's pay stub portion displays an inaccurate Gross Pay calculation. This Technical Tip will correct this inaccuracy.

PROCEDURE: From the Payroll master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CPRRC3" <RETURN>
EDIT 1140 C[+G4][+C(9)+C(10)] <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 164.0
SUBJECT: Erroneous data on Inventory Value Report DATE: 03/15/84

=====

DESCRIPTION: In Order Processing, the Inventory Value Report displays items that should not appear on the report. This Technical Tip will correct this situation.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 BASIC <RETURN>
- 2 From the > prompt, type:
LOAD "CICRV0" <RETURN>

NOTE: In the next step, there are nine blanks between the quotation marks.

1025: ,Q(3)=0,Q(4)=0,Q(5)=0,R(3)=0,R(4)=0,R(5)=0,
11\$(7,9)=" " <RETURN>

SAVE <RETURN>

RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 165.0
SUBJECT: Adjusted Credit Memo causes out of balance **DATE:** 03/15/84

=====

DESCRIPTION: In Accounts Receivable, when a Credit Memo is adjusted during Adjustments Entry, the customer master and transaction files become out of balance. This Technical Tip will correct this situation.

PROCEDURE: From the Accounts Receivable master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CARDC5" <RETURN>
7410: +J2-K2 <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 166.0
SUBJECT: Error 1 during Sales History reports **DATE:** 03/15/84

=====

DESCRIPTION: In Order Processing, an Error 1 may be received during the printing of the Sales History reports. This Technical Tip will correct this situation.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 **UTL** <RETURN>

- From the Business BASIC Utilities menu, type:
- 2 **15** <RETURN> (for program search and replace)
- 3 **1** <RETURN> (for the disk number)
- 4 **CSASH?** <RETURN> (for the program name)
- 5 <RETURN> (to continue)

The system will display the message: 'SEARCHING DIRECTORY'

- 6 <F2> (to replace)
- 7 <F2> (for NO to verify)
- 8 <F2> (for NO to hard copy)
- 9 <RETURN> (for START LINE)
- 10 <RETURN> (for END LINE)
- 11 **@(42** <RETURN> (for 'SEARCH FOR')
- 12 **@(36** <RETURN> (for 'REPLACE WITH')
- 13 <RETURN> (for 'SEARCH FOR')

The system will begin the search and replace routine, displaying the found and replaced syntax on the screen. When completed, proceed by typing:

- 14 <RETURN> (for disk name)
- 15 .<F4> (to end the procedure)

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 167.0
SUBJECT: 5-digit Back Order number not allowed DATE: 03/15/84

=====

DESCRIPTION: In Order Processing, during the Back Order Release procedure, the system will not allow the entry of a back order number that is five digits in length. This Technical Tip will correct this situation.

PROCEDURE: From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "COERD0" <RETURN>
EDIT 3110 C[LEN=]R[5] <RETURN.
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - General Ledger RELEASE LEVEL: 1.1 TIP NUMBER: 168.0
SUBJECT: Ratio Analysis message on Balance Sheet DATE: 03/15/84
=====

DESCRIPTION: In General Ledger, the Balance Sheet contains a supplemental ratio analysis page, displaying a variety of ratio analysis calculations. The calculation for the Current Assets to Fixed Assets ratio will display the message

CURRENT ASSETS EQUAL TO ZERO

when actually, the total of Fixed Assets is the total that is equal to zero. This Technical Tip will correct this situation.

PROCEDURE: From the General Ledger master selector screen, type:

- 1 **BASIC** <RETURN>
- 2 From the > prompt, type:
LOAD "CGLRF1" <RETURN>
EDIT 1074 C[*]D[T][FIXED]** <RETURN>
SAVE <RETURN>
RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Accounts Payable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 170.0
SUBJECT: Adjustments Journal Update 'hangs' system **DATE:** 03/15/84
=====

DESCRIPTION: In Accounts Payable, after entering adjustments, the Adjustments Journal automatically prints. At its conclusion, when yes is answered to the question 'REPORT CORRECT? (Y/N)', the systems performs an update to the vendor master file and open payables file. During this update portion, the system may 'hang'. This Technical Tip will correct this situation.

PROCEDURE: From the Accounts Payable master selector screen, type:

- 1 **BASIC** <RETURN>
 From the > prompt, type:
- 2 **LOAD "CAPRK4"** <RETURN>
- 3 **EDIT 7210 C[]D[CT][FIND]** <RETURN>
- 4 **SAVE** <RETURN>
- 5 **RUN "DOL"** <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Purchase Orders	RELEASE LEVEL: 1.1	TIP NUMBER: 171.1
SUBJECT: Erroneous deletion of Purchase Orders	DATE: 10/12/84	

=====

DESCRIPTION: This Technical Tip corrects erroneous situations involving the deletion of Purchase Orders and performs a rebuild of the Purchase Order cross-index file. Specifically, these situations exist:

- o After the printing of the Purchase Order Register, the update program deletes those purchase orders which are set with a deletion code of '*' that have not had any receiving or invoicing transactions (note: invoiced qty. does equal received qty.). Now the program will only delete if the received quantity is also greater that or equal to the ordered.

- o After the printing of the Receiving Report the update program erroneously deletes P/O line items with a code of 'R' even if those items have not been fully received. Now the program will delete if the received quantity is greater that or equal to the ordered.

- o For systems with multiple printers using both Purchase Orders and Accounts Payable, following the printing of the A/P Payable Voucher Register, the Received Items Deletion Report will print only on the printer attached to port #1, even if the output was to be directed to a different printer.

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you should do this procedure. From the Purchase Orders master selector screen, type:

- 1 **BASIC** <RETURN>

- From the > prompt, type:

- 2 **LOAD "CPORB"** <RETURN>

- 3 **EDIT 914 C[CI] D[F] [AND F]** <RETURN>

- 4 **SAVE** <RETURN>

- 5 **LOAD "CPORC4"** <RETURN>

... continued

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

TIP NUMBER: 171.1

DATE: 10/12/84

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```
6      EDIT 1010 C[A2]R[>]  <RETURN>
7      80 OPEN(6,ERR=8000)S9$(1,2)  <RETURN>
10     9044 CLOSE(2)  <RETURN>
11     9046 OPEN(2) "CPOVK"  <RETURN>
12     9055 EXTRACT (4,KEY=K4$(X,6))* ,B4$  <RETURN>
13     9057 REMOVE (2,KEY=K4$(X,1)+B4$+STR(IND(4):"####0"))
      <RETURN>
14     SAVE  <RETURN>
15     DELETE  <RETURN>
16     BEGIN  <RETURN>
17     OPEN(1) "CPOVK"  <RETURN>
18     F$=FID(1)  <RETURN>
19     CLOSE(1)  <RETURN>
20     ERASE "CPOVK"  <RETURN>
21     FILE F$  <RETURN>
22     OPEN(1) "CPOVK"  <RETURN>
23     OPEN(2) "CPOHF"  <RETURN>
24     100 K$=KEY(2,END=900)  <RETURN>
25     110 EXTRACT (2,KEY=K$)A$,B$  <RETURN>
26     120 WRITE (1,KEY=A$(1,1)+B$+STR(IND(2):"####0"))
      <RETURN>
27     130 READ(2)  <RETURN>
28     140 GOTO 100  <RETURN>
29     900 RUN "DOL"  <RETURN>
30     RUN  <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS-Accounts Receivable RELEASE LEVEL: 1.1 TIP NUMBER: 172.0
SUBJECT: Customer Inquiry displays reversed signs DATE: 05/24/84

=====

DESCRIPTION: In Accounts Receivable, the Customer Inquiry screen displays debit values for the 'ON ACCOUNT BALANCE' field with a 'CR', which erroneously indicates the value to be a credit balance. This Technical Tip will correct the display.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Accounts Receivable master selector screen, type:

- 1 BASIC <RETURN>
- From the > prompt, type:
- 2 LOAD "CARIC0" <RETURN>
- 3 EDIT 7160 C[CE:" ,] D[C3] [-C3] <RETURN>
- 4 SAVE <RETURN>
- 5 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 173.0
SUBJECT: Orders printed by date wanted not flagged **DATE:** 05/24/84

=====

DESCRIPTION: In Order Processing, the Order Printing procedure allows the operator to select orders to be printed based on the 'date wanted'. However, the 'flag' for those orders does not get set to 'printed'. This Technical Tip will correct this situation.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Order Processing master selector screen, type:

```
1      BASIC <RETURN>
      From the > prompt, type:
2      LOAD "COERA3" <RETURN>
3      EDIT 3125 C[<>] R[6] <RETURN>
4      3126 D7$=N3$(5,2)+N3$(1,4) <RETURN>
5      SAVE <RETURN>
6      RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 174.Ø
SUBJECT: Debit/Credit Memo entry for non-inventory **DATE:** Ø5/24/84

=====

DESCRIPTION: In Order Processing, the Debit/Credit Memo Entry procedure allows for non-inventory items to be defined with selling prices and cost amounts. However, to allow for the cost amounts to have cents values, the decimal point must be entered; otherwise, the cost value will be displayed as a whole dollar value. This Technical Tip corrects this situation.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Order Processing master selector screen, type:

```
1 BASIC <RETURN>
    From the > prompt, type:
2 LOAD "COEME1" <RETURN>
3 1613 D2=NUM(X7$,ERR=1611); IF POS("."=X7$)=Ø
  D2=D2*.Ø1 <RETURN>
4 1614 IF D2<Ø OR D2>999999.99 GOTO 1611 <RETURN>
5 SAVE <RETURN>
6 RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 175.0
SUBJECT: Dr/Cr Memos not updating Sales Analysis DATE: 05/24/84

=====

DESCRIPTION: In Order Processing, the Debit/Credit Memo Entry, Printing, and Updating programs do not update the Sales Analysis and Sales History files with its correct class code but uses a blank code. This Technical Tip corrects this situation.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Order Processing master selector screen, type:

1 **BASIC** <RETURN>

 From the > prompt, type:

2 **LOAD "COEME1"** <RETURN>

NOTE : There are six blanks between the following quotes

3 **1075 J4\$=J2\$; IF J4\$=" " AND G2<>0 AND H2<>0**
 J4\$=A2\$(G2,H2), J4\$=Z8\$(1,6-LEN(J4\$))+J4\$ <RETURN>

4 **SAVE** <RETURN>

5 **RUN "DOL"** <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 176.0
SUBJECT: Incorrect sales order header reocrd DATE: 05/24/84

=====

DESCRIPTION: In Order Processing, the Open Order Header File (COOHD) contains a field titled ORDER AMOUNT, which should contain the total amount of each order. This field incorrectly accumulates on subsequent orders during an entry session resulting in an overflow condition. This Technical Tip corrects this situation.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Order Processing master selector screen, type:

- 1 **BASIC** <RETURN>
- From the > prompt, type:
- 2 **LOAD "COEOE1"** <RETURN>
- 3 **1000: ,A4=0** <RETURN>
- 4 **SAVE** <RETURN>
- 5 **RUN "DOL"** <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Accounts Payable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 177.0
SUBJECT: Erroneously assigned A/P Adjustment number **DATE:** 05/24/84

=====

DESCRIPTION: In Accounts Payable, during the Adjustments Entry procedure, the system assigns a number to the adjustment transaction. Currently, this number is equal to the value in field 10 (LAST A/P ADJ NO) in the Company Information Record for that company code. This Technical Tip will correct the situation, so that the computer-assigned number is one greater than the value of field 10 of the Company Information Record.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Accounts Payable master selector screen, type:

```
1      BASIC <RETURN>
      From the > prompt, type:
2      LOAD "CAPRK0" <RETURN>
3      7025 IF G8>=99999 G8=0 <RETURN>
4      7030 G8=G8+1,G7=G8 <RETURN>
5      SAVE <RETURN>
6      RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - General Ledger	RELEASE LEVEL: 1.1	TIP NUMBER: 178.0
SUBJECT: Company codes using lower-case letters	DATE:	05/24/84

=====

DESCRIPTION: In General Ledger, if lower case letters are used for company codes, a consolidated Income Statement not print properly. Remember, if the other BAS applications are being used the first character of the company code must be unique.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the General Ledger master selector screen, type:

- 1 **UTL** <RETURN>
- From the Busines BASIC Utilities menu, type:
- 2 **15** <RETURN> (for program search and replace)
- 3 **1** <RETURN> (for the disk number)
- 4 **CGL???** <RETURN> (for the program name)
- 5 <RETURN> (to continue)

The system will display the message: 'SEARCHING DIRECTORY'

- 6 <F2> (to replace)
- 7 <F2> (for NO to verify)
- 8 <F2> (for NO to hard copy)
- 9 <RETURN> (for START LINE)
- 10 <RETURN> (for END LINE)
- 11 **"ZZ** <RETURN> (for 'SEARCH FOR')

NOTE: In the next step, the ~ character is found to the left of the <ESC> key. (the upper case character)

- 12 **"~~** <RETURN> (for 'REPLACE WITH')
- 13 <RETURN> (for 'SEARCH FOR')

The system will begin the search and replace routine, and display the found and replaced text on the screen. After completion type:

- 14 <RETURN> (for disk name)
- 15 <F4> (to END the procedure)

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: Business BASIC **RELEASE LEVEL:** 1.4 **TIP NUMBER:** 179.0
SUBJECT: Listing a line from a BASIC program **DATE:** 05/24/84
=====

DESCRIPTION: In Fortune's Business BASIC, versions through 1.4, (SMC F2.7) the 'LIST' command may not display the specified line. This Technical Tip will offer a workaround solution to this situation.

PROCEDURE: While in BASIC console mode, indicated by the '>' prompt, the normal syntax to list a line of code is:

LIST ### <RETURN> where the '###' is the line number of the program.

If the system returns the '>' prompt without displaying the line of the program, type:

LIST ,### <RETURN> inserting the comma before the line number.

The system should list all lines of program code up to and including the specified line number. The system must be able to display a line that is short, once having done this it will display all subsequent lines in range.

This completes the procedure.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Payroll	RELEASE LEVEL: 1.1	TIP NUMBER: 180.0
SUBJECT: Incorrect paging of 941 Report		DATE: 05/24/84

=====

DESCRIPTION: In Payroll, the printed 941 quarterly report incorrectly paginates. This Technical Tip will correct this inaccuracy.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Payroll master selector screen, type:

```
1 BASIC <RETURN>
2 From the > prompt, type:
3 LOAD "CPRRF1" <RETURN>
4 7240 : ,X9 <RETURN>
5 EDIT 7240 C[0-"] D[X9] <RETURN>
6 SAVE <RETURN>
7 RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 181.0
SUBJECT: Incorrect paging of Sales Analysis reports DATE: 05/24/84

=====

DESCRIPTION: In Order Processing, the Monthly Sales Analysis Reports do not paginate correctly. This Technical Tip will correct this situation.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Order Processing master selector screen, type:

- 1 BASIC <RETURN>
- From the > prompt, type:
- 2 LOAD "CSAMS" <RETURN>
- 3 EDIT 2120 C[+] R[2] <RETURN>
- 4 EDIT 7030 C[=] R[8] <RETURN>
- 5 SAVE <RETURN>
- 6 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 182.0
SUBJECT: Incorrect paging of Back Order Reports **DATE:** 05/24/84

=====

DESCRIPTION: In Order Processing, the Back Ordered Items Reports do not paginate correctly. This Technical Tip will correct this situation.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Order Processing master selector screen, type:

```
1       BASIC   <RETURN>
          From the > prompt, type:
2       LOAD "COERC1"   <RETURN>
3       1540 IF M0$(<>E1$ AND L9>42 GOSUB 7200   <RETURN>
4       EDIT 7060 C[+]R[2]   <RETURN>
5       SAVE   <RETURN>
6       RUN "DOL"   <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Accounts Payable	RELEASE LEVEL: 1.1	TIP NUMBER: 183.0
SUBJECT: Incomplete Open Payable Inquiry Display	DATE:	05/24/84

=====

DESCRIPTION: In Accounts Payable, the Vendor Inquiry lists the open items and their associated status. The display shows pending adjustments as 'Selected'. This procedure will cause it to show them as 'Pend. Adj.'.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Accounts Payable master selector screen, type:

- 1 **BASIC** <RETURN>
- From the > prompt, type:
- 2 **LOAD "CAPIA0"** <RETURN>
- 3 **7386 IF E2=3 09\$="PEND. ADJ."** <RETURN>
- 4 **SAVE** <RETURN>
- 5 **RUN "DOL"** <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: IDOL - User Definitions **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 184.0
SUBJECT: Backup provisions of IDOL & BAS **DATE:** 05/24/84
=====

DESCRIPTION: The backup procedure used in IDOL is the same as the one used in BAS. This routine backs up the /b/BDATA when doing a data backup. When doing a program backup it backs up the /b/IDOL, /b/BUTIL, and the /b/BAS directories.

When defining programs, data files, and IDOL reports care must be taken to place the data on a suitable disk so that it will be backed up either during a program backup or during a data backup.

The directories used by BASIC contain :

- o /b/IDOL: IDOL control programs and parameter files.
- o /b/BAS : BAS application programs.
- o /b/BDATA : BAS application data and 'CCNVZ' which contains some IDOL control information as well as the BAS application control information.
- o /b/BUTIL : BASIC utilities programs.
- o /b/BWORK : scratch work area only.

In general user defined IDOL data files should be placed in /b/BDATA so that they will be backed up during a data backup.

PROCEDURE: To verify which disk number should be given when allocating files do this procedure. From the IDOL master selector screen type:

- 1 **UTL** <RETURN>
- 2 **9** <RETURN>

... continued

FORTUNE SYSTEMS : SUPPORT CENTER
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TIP NUMBER: 184.Ø

DATE: Ø5/24/84

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This will display a screen similar to the one below :

DISC	VOLUME
Ø	/b/IDOL
1	/b/BUTIL
2	/b/BDATA
3	/b/BUTIL
4	/f

NOTE : if defintions are being done from the BAS applications, IDOL or BASIC the displays will be different. Always check when in doubt! (If optional Technical Tip 116.1 has been installed the display will show /b/XDATA, where 'X' is the data base id.)

3 <RETURN>

4 <F4>

NOTE : if file allocations (creations or definitions) have already been done and were placed on the incorrect disk they can be moved into the correct directories using 'mv' from UNIX. Be carefull to place the file in the correct 3 character sub-directory if they are used on that disk. Files should be placed in the USR sub-directory unless a sub-directory exist with the same first three letters of the file name.

the procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 185.0
SUBJECT: Inventory Movement report by class code **DATE:** 05/24/84

=====

DESCRIPTION: In Order Processing, the Inventory Movement report does not print some items in their correct class code. This occurs when the class code is right justified in the class code field of the inventory master file. In addition, the report does not page properly.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Order Processing master selector screen, type:

```
1      BASIC      <RETURN>
      From the > prompt, type:
2      LOAD "CICRE0" <RETURN>
3      DELETE 1320 <RETURN>
4      SAVE      <RETURN>
5      LOAD "CICRE1" <RETURN>
6      7150 ;;X=X <RETURN>
7      7160 ;;X=X <RETURN>
8      EDIT 7150 C[N$(3)] D[=X] [;L=L+1] <RETURN>
9      EDIT 7160 C[N$] D[=X] [;L=L+1] <RETURN>
10     7215 L=L+2 <RETURN>
11     7580 L=9 <RETURN>
12     DELETE 7163 <RETURN>
13     DELETE 7170 <RETURN>
14     SAVE      <RETURN>
15     RUN "DOL" <RETURN>
```

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

=====

PRODUCT: BAS - Accounts Payable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 186.1
SUBJECT: DR/CR Memos on same date for same vendor **DATE:** 10/12/84

=====

DESCRIPTION: In Accounts Payable, if a debit, or credit memo to the same vendor on the same day in different companies is issued a problem arises. The Open Accounts Payable file will have the credits or debits accumulated in one of the companies. This will become apparent on the Open Accounts Payable listing and when preparing to issue checks. The different company's General Ledgers are not adversely affected. This procedure will disable the ability to enter more than one of these transactions per day.

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you should do this procedure. From the Accounts Payable master selector screen, type:

```
1 BASIC <RETURN>
From the > prompt, type:
2 LOAD "CAPRK" <RETURN>
3 EDIT 153 C[M=]R[154] <RETURN>
3 1537 GOTO 163 <RETURN>
3 154 READ(4,KEY=A2$(1,16),DOM=1541) <RETURN>
4 1545 K$=KEY(4,END=158) <RETURN>
5 1548 IF K$(1,16)<>A2$(1,16) GOTO 158 <RETURN>
6 155 READ(4) *,*,W8 <RETURN>
7 1555 IF W8=C4$ GOTO 85 <RETURN>
8 156 GOTO 1545 <RETURN>
9 841 GOTO 88 <RETURN>
7 85 V9$="EXISTS FOR OTHER COMPANY, USE ANOTHER
INVOICE DATE" ; GOTO 88 <RETURN>
8 SAVE <RETURN>
9 RUN "DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Order Processing RELEASE LEVEL: 1.1 TIP NUMBER: 187.1
SUBJECT: subtotal data not displaying on invoices DATE: 10/12/84

=====

DESCRIPTION: In Order Processing, the subtotal line of printed invoices and memos may occasionally be omitted. This Technical Tip will correct this situation.

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you should do this procedure. From the Order Processing master selector screen, type:

1 BASIC <RETURN>

From the > prompt, type:

2 LOAD "CBIUA" <RETURN>

| 3 3### IF A1=# AND B1=# AND C1=# AND D1=# AND F1=# THEN
| GOTO #34## <RETURN>

4 SAVE <RETURN>

5 RUN "DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Payroll	RELEASE LEVEL: 1.1.1	TIP NUMBER: 189.0
SUBJECT: Error 42 during install	DATE: 07/24/84	

=====

DESCRIPTION: During the install of the 1.1.1 Payroll Update an error 42 may occur on line 2335 while merging selectors. This error occurs because of invalid records in "UASQ".

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. Login as 'manager' at the console. Then from the Fortune Global Menu, type:

NOTE : If the system beeps while you are inserting or removing the diskette from the disk drive, stop what you are doing. Then log off all other users, shutdown the system and start the procedure over. To avoid this follow the procedure carefully.

```
1      !      <RETURN>

      INSERT the PAYROLL 1.1.1 UPDATE disk into the system
      disk drive and then from the # prompt, type:

2      mount /dev/fd02 /f      <RETURN>

3      cp -t /f/b/BAS/CPR/CPRUP0 /b/BUTIL      <RETURN>

4      cp -t /b/BUTIL/CPRUP0 /b/BUTIL/CPRUP0.old      <RETURN>

5      DBASIC      <RETURN>

6      BASIC      <RETURN>

7      LOAD "CPRUP0"      <RETURN>

8      2333 IF LEN(M5$)<>6 F=F-1; GOTO 2325      <RETURN>

9      SAVE      <RETURN>

10     RELEASE      <RETURN>

      From the # prompt, type:

11     cp /b/BUTIL/CPRUP0 /f/b/BAS/CPR      <RETURN>

12     umount /dev/fd02      <RETURN>

13     bye      <RETURN>
```

REMOVE the PAYROLL 1.1.1 UPDATE disk from the system disk drive only after the disk light activity ceases.

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

PRODUCT: BAS - Payroll Update RELEASE LEVEL: 1.1.1 TIP NUMBER: 190.2
SUBJECT: Bonus and Insurance taxes incorrect DATE: 07/24/84

DESCRIPTION: In Payroll, the Gross to Net procedure will not calculate the tax payable properly for Bonus pay. Also Insurance taxes (eg. FICA) are not correct if multiple time sheets are entered for an employee.

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you should do this procedure. From the Payroll selector screen, type:

```
1        BASIC    <RETURN>
2        LOAD "CPRRB"    <RETURN>
3        EDIT 1006 C[M()]R[12]    <RETURN>
4        1091 Q=NUM(A4$(14,2))    <RETURN>
5        EDIT 1092 C[P()]D[H] [Q,0]=P(Q,0)+H    <RETURN>
6        1093 P(Q,1)=P(Q,1)+H(1)+H(2)+H(3)+H(5)
         +H(6)+H(7)+G4+J4    <RETURN>
7        EDIT 1094 C[P()]D[=J] [Q,2)=P(Q,2)+J]    <RETURN>
8        DELETE 2070    <RETURN>
9        2080 IF B4$="1" M(12)=B/52 ELSE IF B4$="2" M(12)=B/26
         ELSE IF B4$="3" M(12)=B/24 ELSE IF B4$="4" M(12)=B/12
         <RETURN>
10        SAVE; LOAD"CPRRB1"    <RETURN>
12        EDIT 1140 C[9] ] D[;] [+M(12);]    <RETURN>
13        EDIT 1200 C[OR]D[THEN] [M(0)-M(8)-M(9)+M(12)<=0]
         <RETURN>
14        EDIT 1250 C[9] ] D[;] [+M(12);]    <RETURN>
15        EDIT 1320 C[OR] D[<] [M(0)-M(8)-M(9)+M(12)<]
         <RETURN>
16        EDIT 1330 C[9] ] D[;] [+M(12);]    <RETURN>
17        EDIT 1410 C[ " ]D[THEN] [OR M(0)-M(8)-M(9)+M(12)<=0]
         <RETURN>
18        EDIT 1420 C[9] ] D[;] [-M(8)+M(12);]    <RETURN>
19        1560 N= M(0)-W(0)+W(1)-W(2)-W(3)+K(0)    <RETURN>
20        SAVE; RUN "DOL"    <RETURN>
```

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

=====

PRODUCT: BAS - Payroll	RELEASE LEVEL: 1.1.1	TIP NUMBER: 191.0
SUBJECT: Error 2 during Payroll Check Register	DATE: 07/24/84	

=====

DESCRIPTION: In Payroll (version 1.1.1) an error 2 may occur on line 610 while running the Payroll Check Register.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Payroll Master Menu, type:

```
1 BASIC <RETURN>
2 LOAD "CPRRD" <RETURN>
3 310 DIRECT"*SR"+FID(0),6,1000,37,3,0 <RETURN>
8 SAVE <RETURN>
9 RUN"DOL" <RETURN>
```

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Payroll Update	RELEASE LEVEL: 1.1.1	TIP NUMBER: 192.0
SUBJECT: Entry of Withholding tax records	DATE: 07/24/84	

=====

DESCRIPTION: In the 1.1.1 Payroll during the conversion process the manual omits several details. This Technical Tip outlines some clarifications for the Withholding Tax Records, and Workman's Compensation Codes.

- PROCEDURE:**
- When entering Withholding Tax Records the system will check the payroll initialization file to verify the existence of an initialization record for that company code. The documentation does not state that these records must exist before entry of the withholding records. From the Payroll selector screen, select number 2, which is PAYROLL INITIALIZATION. Enter one record for every company code for which you be entering Withholding Tax Records. It is not necessary to fields 11 through 24 at this time. Please note that it is necessary to enter Company Information Records before one can create a Payroll Initialization record.

 - When entering Workman's Compensation Classes in the employee master the system will only allow numeric class codes. However, the system will allow entry of alphabetic and numeric Class codes in the Workman's Compensation Class Records. Therefore, one should use only numeric codes when creating the W.C. master records in File Maintenance.

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

=====

PRODUCT: BAS - Payroll	RELEASE LEVEL: 1.1.1
SUBJECT: G/L account distribution of deductions	TIP NUMBER: 193.1
	DATE: 07/24/84

=====

DESCRIPTION: In Payroll (version 1.1.1) the G/L distribution of certain expenses in the Payroll Distribution Record are not posted to the correct accounts. These are: Garnishment Deduction , and Savings Bonds , Savings, and Loan Payment.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Payroll Master Menu, type:

- 1 BASIC <RETURN>
- 2 LOAD "CPRRJ1" <RETURN>
- 3 1005 A9=O(13), O(13)=O(14), O(14)=O(16), O(16)=O(15),
O(15)=A9 <RETURN>
- 8 SAVE <RETURN>
- 9 RUN"DOL" <RETURN>

The procedure is complete.

FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL

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continued:

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=====

- 4 At this time, look at the last three fields in the right-hand column. An incorrect entry in one of these fields could cause problems with the operating system. They should be set as follows:

Max process size: AT LEAST 160. If you are using Extended Fortune:Word or one of the language compilers, this field must be at least 256.

Set params auto?: This field should be set to YES.

Appx. # of users: This field must be set to the number of terminals (including the console) that are connected to the system. A modem used for outside users to dial up the system is the same as a terminal.

If these settings are acceptable, proceed to step 5. Otherwise, press <RETURN> until the cursor is in the proper field and make the appropriate changes. Once the settings are correct, press the <F1> function key to permanently store these changes and continue on with the rest of this procedure.

- 5 Press <RETURN> to move the cursor down to the Root device field, and type:

fd02 <RETURN>

- 6 Press <RETURN> to move the cursor down to the Swap device field, and type:

fd01 <RETURN>

- 7 Press <RETURN> until the cursor is in the Appx. # of users field. You must temporarily set this field to '1'. This will speed up the execution of this procedure.

- 8 Press <F3>. This will make the system power-up with the screen values without altering the desired normal settings which reside in the EAROM.

- 9 The screen will clear, and display the prompt "boot:" (or something similar) in the upper left hand corner. Type:

fd02/unix <RETURN>

continued....

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l0 The power-up count sequence will resume, until the Cold Boot Menu appears. This is where this procedure deviates from the normal Cold Boot procedure.

NOTE: DO NOT PRESS THE <F1> KEY.

l1 Pressing the <F1> key will completely erase the hard disk. Instead, type:

`cd /etc <RETURN>`

This will drop you into Maintenance Mode, running the Bourne shell, which will prompt you with a '#'. You now reside in the directory which contains the 'mount' and 'umount' commands, used for accessing information on a floppy disk.

It is further suggested that no maintenance mode commands be entered until a hard disk file system check has been performed. Refer to the manual Introduction to FOR:PRO, pages 4-11 through 4-13, for explanation of the 'fsck' command used to perform the file system check.

At this point, a variety of diagnostic and corrective procedures can be done, as explained in Technical Tips #195 through #198.

NOTE: Please be sure to umount any filesystems that you may have mounted. For example, /dev/hd02 on /h.

After completion of your work, proceed as follows.

l2 This command will write any recently updated information to the disk.

`sync <RETURN>`

To return to normal system operation, there is no need to take the system through a shutdown procedure. Simply wait a few moments and press the reset button. On the subsequent power up, the system will proceed normally, booting off the hard disk.

The procedure is complete.

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PRODUCT: FOR:PRO **RELEASE LEVEL:** 1.7 **TIP NUMBER:** 195.0
SUBJECT: Installing FOR:PRO without menu system **DATE:** 10/12/84
=====

DESCRIPTION: This procedure details the steps required to install the Single User FOR:PRO operating system without the use of the menu system (Product Maintenance).

BACKGROUND: If FOR:PRO programs do not execute properly, the Single User FOR:PRO operating system should be re-installed using the Product Maintenance procedure from the Global Menu. This occasionally is not possible, such as when the menu system or the Product Maintenance programs are damaged.

PROCEDURE: This procedure assumes the hardware is functioning properly and that the Single User FOR:PRO diskettes are not damaged.

- 1 Login as 'root' in regular or maintenance mode.
- 2 Run a file system check (fsck). Refer to Technical Tip #196 for the file system check explanation.

NOTE: In the next step, if the 'mount', 'sh', or 'cp' commands are also damaged, the restoration must be performed while booted up off the floppy. Refer to Technical Tip #194 for an explanation.

- 3 Insert Volume I of the Single User FOR:PRO diskette set, and from the # prompt, type:

```
mount /dev/fd02 /f <RETURN>
```

```
cp /f/cb.mnt01 /m/maint/newprod <RETURN>
```

```
sh /m/maint/newprod install <RETURN>
```

The installation will start and request each additional volume as described in the normal Single User FOR:PRO installation procedure. This procedure will preserve your password and device settings files. If necessary, when the procedure is complete, install the Multi-user FOR:PRO through the menu system.

The procedure is complete.

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continued:

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- o If the questions request permission to reconnect an unreferenced file, it will attempt to link that file into the '/lost+found' directory. This condition occurs when the file is found, but did not have a directory entry. Answering 'yes' will create a numerical file name (instead of an alphabetic file name) within the '/lost+found' directory, making it difficult to identify the file.
- o If the questions request permission to adjust the link count of a file, answer 'yes'. No significant consequences will result.

NOTE: once 'fsck' is complete, the system may or may not reboot itself, and perform another file system check following the 'date & time' screen.

- o When the system returns to the unix prompt, additional file system checks should be run until all problems have been resolved.

Expert Note: Experienced personnel may want to first run through the file system check to assess the damage and then perform multiple file system checks. The ordering of this procedure could be: 1) reconnect directories, 2) reconnect files, 3) adjust link counts, 4) adjust superblock free inode and free block counts and salvage free list. All other users should simply follow the regular procedure outlined above.

After logging in normally, it may be necessary to restore files from a previous backup diskette. In some situations, depending on which files may have been lost, it may be necessary to load operating system files, or even to boot the system up from Volume I of the FOR:PRO Single User diskette set. Refer to Technical Tips #194 and #195 for more information on those procedures.

The procedure is complete.

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PRODUCT: FOR:PRO **RELEASE LEVEL:** 1.7 **TIP NUMBER:** 197.0
SUBJECT: System fails during power-up sequence **DATE:** 10/12/84

DESCRIPTION: This Technical Tip contains a generalized procedure to repair most software problems which may be encountered during the system power-up sequence.

BACKGROUND: This procedure assumes the problem is software related, and that hardware malfunction has been ruled out. These corrective steps also assume that the system is able to be booted up into maintenance mode, as explained in Technical Tip #194, and that the Single User FOR:PRO operating system can be installed, as explained in Technical Tip #195.

PROCEDURE: The system must be powered-on while holding down the <CANCEL/DEL> key. Once the screen has displayed the Maintenance Menu, release the <CANCEL/DEL> key. If the power-up count reaches 2, the Maintenance Menu has been passed, and this step must be repeated.

- 1 Follow the steps in Technical Tip #194 for booting up into maintenance mode.
- 2 Perform a file system check, as explained in Technical Tip #196.

From the # prompt, type:
- 3 /etc/bootcp /sa/boot /dev/rhd00 0 <RETURN>
- 4 mount /dev/hd02 /h <RETURN>
- 5 cd /h <RETURN>
- 7 Note: this step may produce an error message, it can be ignored.

mkdir dev <RETURN>
- 8 cd dev <RETURN>
- 9 mkdevs <RETURN>
- 10 cd /h <RETURN>

continued....

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```
11      rm unix    <RETURN>
12      cp -ot /unix .    <RETURN>
13      setnswap 1 /dev/hd00 /unix
14      cd /h/bin    <RETURN>
15      cp -ot /bin/* .    <RETURN>
16      cd /h/etc    <RETURN>
17      cp -otr /etc/* .    <RETURN>
18      cp -out rc.real rc    <RETURN>
19      cd /h/usr    <RETURN>
20      cp -otr /usr/* .    <RETURN>
21      cd    <RETURN>
22      umount /dev/hd02    <RETURN>
23      sync    <RETURN>
24      Wait a few moments and reset the system using the
recessed hardware reset button in the front of the
CPU.  Perform Technical Tip#195 to reinstall the
Single User FOR:PRO operating system software.  If
appropriate, also install the Multi-user FOR:PRO
diskette, and perform all necessary changes to
software settings.
```

The procedure is complete.

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Root device

This is the name of the disk device on which the 'root' file system resides. It usually includes the operating system also. During normal operation, this setting is `hd02`. When booting up from Volume I of the Single-User FOR:PRO Operating System diskettes, this setting will be `fd02`.

Swap device

This is the name of the disk device which the operating system uses to store temporarily inactive programs (those waiting for further input), so that other programs may access memory that would otherwise be unavailable. During normal operation, this setting is `hd01`. When booting up from Volume I of the Single-User FOR:PRO Operating System diskettes, this setting will be `fd01`.

Max process size

This is the largest amount of memory that a single process may use up. Normally, this value is set to 160; however, most languages, Extended Fortune:Word and the Language Development Tools software require a setting of 256. Also, some data base management software requires a setting of 384.

Set params auto?

This value should be set to YES, allowing the system to automatically compute the parameters of accessing memory based on the estimated number of users.

Appx. # of users

This value should be set to the number of peripheral devices attached to the CPU which generate or require a 'login'. This includes remote terminals and modems, but does not include printers.

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PRODUCT: BAS - Accounts Payable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 199.0
SUBJECT: G/L cannot be disabled in A/P **DATE:** 10/12/84

=====

DESCRIPTION: General Ledger is not disabled by entering a zero (0) in the G/L number of entries field of the Invoice Distribution and Payment Distribution records. This procedure will disable posting of Accounts Payable transactions if either of these fields are set to zero. To enable posting, both of these values should be set to three (3).

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Accounts Payable master selector screen, type:

```
1      BASIC <RETURN>
      From the > prompt, type:
2      LOAD "CAPUB0" <RETURN>
3      EDIT 420 C[* ,]D[J][A6,J] <RETURN>
4      EDIT 430 C[* ,]D[J][A7,J] <RETURN>
5      7107 IF A7=0 OR A6=0 GOTO 7199 <RETURN>
6      7207 IF A7=0 OR A6=0 GOTO 7280 <RETURN>
7      SAVE <RETURN>
8      RUN "DOL" <RETURN>
```

The procedure is complete.

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PRODUCT: BAS - Order Processing	RELEASE LEVEL: 1.1	TIP NUMBER: 200.0
SUBJECT: Invoice Entry of Non-inventory cost		DATE: 10/12/84

=====

DESCRIPTION: In Order Processing, invoice entry will not convert the cost of a non inventory item to dollars and cents if a decimal point is not entered.

PROCEDURE: Whether this, or a previous version of this Technical Tip was performed or not you should do this procedure. From the Order Processing master selector screen, type:

```
1 BASIC <RETURN>
2 From the > prompt, type:
  LOAD "CBIDA4" <RETURN>
  EDIT 643 C[GOTO ]R[644] <RETURN>
3 SAVE <RETURN>
4 RUN "DOL" <RETURN>
```

The procedure is complete.

**FORTUNE SYSTEMS : SUPPORT CENTER
TECHNICAL TIP : COMPANY CONFIDENTIAL**

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PRODUCT: BAS-Accounts Receivable **RELEASE LEVEL:** 1.1 **TIP NUMBER:** 201.0
SUBJECT: On/Account Adjustments for multiple CO's. **DATE:** 10/12/84

=====

DESCRIPTION: In Account Receivable Adjustments entry, if <RETURN> is entered for invoice number this is not accepted as an On/Account adjustment. It is accepted only if the company code in the customer's salesman record matches the company code being adjusted. This Technical Tip removes this condition and allows posting of this entry for any company.

PROCEDURE: Whether this Technical Tip was previously performed or not, you can repeat this procedure. From the Accounts Receivable master selector screen, type:

```
1      BASIC  <RETURN>
      From the > prompt, type:
2      LOAD "CARDB"  <RETURN>
3      EDIT 7070 C[ ][REM]  <RETURN>
7      SAVE  <RETURN>
8      RUN "DOL"  <RETURN>
```

The procedure is complete.



Product: Software Product Installation **Revision:** All **Tip #** 202.2

Description:

How to install a product without the menu system.

Issue Date
4/28/86

New Issue
Replaces #

Originator

mlb
Approved

To install a product without using the menu system, you must run the '*...maint*' or '*...mnt*' script located on volume 1 of the product diskette. Mount the diskette and run the '*xxx.maint*' script with the '*install*' argument, where '*xxx*' is the product code.

PROCEDURE:

1. Login as root.
2. Mount the product diskette. For products with multiple volumes, always mount volume 1.


```
mount /dev/fd02 /f <RETURN>
```
3. List the files on /f to be sure the product .maint (or .mnt) file is there.


```
ll /f <RETURN>
```

System responds with list of files on floppy.
4.

```
/f/xxx.mntnn install <RETURN>
```


where xxx is the product code preceding .mnt or .maint in the filename and nn is usually a two-digit number that follows.
5. When installation completes, unmount the floppy.


```
umount /dev/fd02 <RETURN>
```

Product: BAS Application S/W

Revision: _____

Tip # 203.0

Description:

Following is a procedure to port the BAS Application software from the 32:16 system to a Formula system.

Issue Date

7/31/87

New Issue

Replaces #

Originator

E. M. Smith

Approved

Procedure on the 32:16:

1. For those programs that have had /m/maint/installp run on them, ie. CUTSA3, CUTUJA, etc., create an INDEX file for each one containing giving it a name, e.g. IND01, 80 bytes per record and 1,000 records.
2. Load the program into memory.
EXAMPLE: LOAD "CUTSA3"
3. Open the INDEX file to a channel.
EXAMPLE: OPEN (1) "IND01"
4. List the program into the index file.
EXAMPLE: LIST (1)
5. Repeat Steps 1 through 4 for each program.
6. Backup all programs and data from the 32:16 using the cp command, and restore them to the Formula system.
7. On the Formula system, execute BASIC, and get into console mode. Make sure memory is cleared by entering:
DELETE 1,
8. Open one of the INDEX files.
EXAMPLE: OPEN (1) "IND01"
9. Use the merge statement to get the program into memory.
EXAMPLE: MERGE (1)



10. An error 21 will be displayed on the screen. Type LIST; the program should be in memory. Define a program file.

EXAMPLE: PROGRAM "CUTSA3", 5120, 0, 0

11. Save the program.

EXAMPLE: SAVE "CUTSA3"

12. Repeat steps 3 through 6 for each of the INDEX files. When each of the INDEX files has been merged and saved, you are finished with the port and ready to begin processing your data.

TO: Master Dealers
Affiliate Dealers

DATE: October 29, 1986

FROM: E.M. Math
Mgt. Software Services

Attached please find copies of technical tips V2.0.001 thru V2.0.004 of the BAS 2.0 Accounting Software applications.

CHOICE

V2.0.001
09/08/86

This tech tip will correct the aging of current invoices into the future category on the A/R Trial Balance and A/R Customer Inquiry.

```
LOAD "CARICO"  
7340  
EDIT 7342 C[ ] D[REM]  
SAVE
```

```
LOAD "CARRE2"  
EDIT 7184 C[71] R[9]  
7184  
SAVE
```

CHOICE

V2.0.002
09/08/86

This tech tip is to correct the special logic used in the entry of the G/L Income Statement Account Record.

```
LOAD "CGLSE0"  
EDIT 103 C[ELSE GOTO 00] R[600]  
600 REM CHECK SUB ACCT  
602 IF POS(STR(J9:"00")="020304050608010")=0 THE GOTO 110  
605 LET X7$=Z8$(1,6-LEN(X7$))+X7$  
610 CLOSE (6) ; OPEN (6) "CGLIS"  
620 READ (7,KEY="C",DOM=621)  
630 LET M9$=KEY(7,END=699); READ (7)  
640 IF M9$(1,1)<>"C" OR M9$(2,2)="~~" THEN GOTO 699  
650 READ (6,KEY=M9$(2,2)+X7$,DOM=670)  
660 GOTO 630  
670 LET B9$="SUB ACCOUNT NUMBER "+M9$(2,2)+X7$+" NOT FOUND  
    IN FORMAT FILE",C9=1; GOTO 9000  
699 GOTO 9000  
SAVE
```

CHOICE

V2.0.003
09/08/86

This tech tip is to correct the problem of the payroll journal update clearing the accounting period record.

```
LOAD "CPRRJ5"  
EDIT 200 C[E7,] R[T]  
EDIT 8180 C[<] R[T]  
SAVE
```

CHOICE

V2.0.004
09/08/86

This tech tip will correct the quantity in the inventory master and inventory locations (3-5) not being correctly updated when invoicing for warehouses 3-5.

```
LOAD "CBIDA5"  
EDIT 5020 C[I1$( ) R[1] [5]  
EDIT 5305 C[A1$(+ ) R[2] D[ ]]  
EDIT 5650 C[A1$(+ ) R[2] D[ ]]  
SAVE
```