

TIPS FOR NEW USERS

WORKING THE HP-3000 MOTHERLODE

-OR-

A FEW NUGGETS FOUND THE HARD WAY

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TIPS FOR NEW USERS

1. HARDWARE:

FOR INCREASED RELIABILITY, I LEAVE MY SYSTEM ON ALL THE TIME.
FOR SERIES II/III SITES.

- SEPERATE COMPUTER ROOM AIR CONDITIONER.
ARRANGE FOR EMERGENCY AIR CONDITIONER BACKUP.
WE HAVE A SVC. CONTRACT WITH HONEYWELL.
THEY PERFORM PM'S AND STOCK A SPARE COMPRESSOR.
- HAVE A THERMAL CUTOUT INSTALLED ON THE A/C POWER LINE.
OURS IS SET TO CUT-OUT AT 86 DEGREES. IT WILL AUTOMATICALLY
RESTORE POWER IF THE TEMP. DROPS BACK BELOW 86 DEG. (I.E.,
WE DO NOT HAVE TO DO A MANUAL RESET)
- CONSIDER ADDING A FIRE ALARM SYSTEM.
- USE HALON 1301 FOR BUILT-IN FIRE EXTINGUISHER SYSTEMS.
- USE HALON 1211 FOR HAND-HELD FIRE EXTINGUISHERS.
- A/C POWER PROBLEMS.
THERE CAN BE A LONG LEAD TIME FOR A/C POWER TO BE
INSTALLED.
MAKE SURE A H-P C.E. AND YOUR ELECTRICIANS HAVE A
FACE-TO-FACE MEETING. (BEFORE & AFTER INSTALLATION.)
H-P NOW RECOMMENDS ISOLATED GROUNDS AND A EXTRA
ISOLATION TRANSFORMER IF INSTALLING MORE THAN ONE DISC
DRIVE WITH THE NEW SERIES III.
- I PREFER A CRT FOR THE CONSOLE.
- WE HAD A SPECIAL CHEST-HIGH STAND MADE FOR THE CONSOLE.
- BUY ALL THE MEMORY YOU CAN AFFORD. MIN. SHUD BE 512K.

NEW INSTALLATIONS:

- ARRANGE WITH CE'S FOR INSTALLATION AS FAR IN ADVANCE
AS POSSIBLE. THEY HAVE A VERY CROWDED SCHEDULE..
- ANY PROBLEMS: BUG YOUR SALES REP., DISTRICT SALES
MGR. AND AREA MANAGER. (GET A LIST OF THEIR NAMES
AND PHONE NUMBERS.)

SOME PROBLEMS WE HAVE HAD.

- DELIVERY - UP TO 10 DAYS AFTER SCHEDULED DATE.
- HAD TO TAKE DELIVERY ON A SATURDAY. (MIGHT BE
SUNDAY)
- NEEDED A FORK LIFT. (CAN YOU GET ONE ON A SAT.?)
- NEEDED EXTRA BODIES TO MOVE THE EQUIPMENT.

KEEP A DAILY DAIRY FOR THE 1ST 3 MONTHS AND RETAIN 1 YEAR.

AFTER-HOURS MAINTENANCE.

- I RECOMMEND YOU ARRANGE FOR EMERGENCY SERVICE FROM H-P.
YOU WILL NEED IT SOONER OR LATER.
- UNDEFINED. WHAT HAPPENS IF YOU NEED EMER. SVC. DURING
90 DAY WARRANTY PERIOD.
- DOES NOT PRESENTLY INCLUDE S.E. SUPPORT.
I SUGGEST YOU ASK YOUR S.E. FOR HIS HOME PHONE NBR.
USE IT ONLY FOR EMERGENCIES.....

TIPS FOR NEW USERS

AUXILLARY EQUIPMENT YOUR SITE MIGHT REQUIRE.
(APPOX. LOWEST PRICE SHOWN. YOU CAN SPEND A LOT MORE.)

-DECOLLATOR.	(SWINGLINE	\$275)
-BURSTER.	(MOORE	\$495)
-SHREDDER.	(CUMMINS M45	\$1500)
	(NOT THE CHEAPEST, BUT A EXC. H.D. SHREDDER.)	
-FREE-STANDING TAPE RACKS	(\$120 & UP)	

TIPS FOR NEW USERS

2. SOFTWARE:

SYSTEM CONFIGURATION TIPS:

- A. USE 'TUNER2' TO CONFIGURE YOUR SYSTEM.
(GET LATEST VERSION FROM YOUR S.E.)
- B. RUN SYSINFO.PUB.SYS TO LIST YOUR PRESENT CONFIGURATION.
- C. SET SYSTEM DIRECTORY TO 3000-5000 SECTORS.
(IF YOU RUN OUT OF DIRECTORY SPACE, YOU HAVE TO DO
A RELOAD.)
- D. WE RUN 'TUNER2' AT LEAST ONCE A WEEK TO SEE IF WE NEED TO
RE-CONFIGURE. (WE HAVE A VERY DYNAMIC SITE.)
- E. SET 'XDS' TO 32767. (EXTRA DATA SEGMENT SIZE.)

MISCELLANEOUS TIPS.

- A. WE RUN 'MEMLOGAN.PUB.SYS' ONCE A DAY TO CHECK MEMORY.
- B. WE DO A FULL SYSDUMP EVERY NIGHT. (IT IS A GOOD 'SECURITY
BLANKET' BUT MAY NOT BE FEASIBLE FOR EVERY INSTALLATION.)
- C. TRY TO 'RELOAD' ONCE A WEEK. (WILL HELP YOUR RESPONSE TIME)
- D. ALWAYS 'COLD START' AFTER SYSTEM CRASH, SYSTEM PROBLEM,
C.E. PM, ETC. (BUT REMEMBER- ONLY A 'RELOAD' WILL REBUILD
THE ACCOUNT DIRECTORIES.)
- E. DO NOT USE SOFTWARE TAPE LABELS ON 'SYSDUMP' OR 'STORE' TAPES.
- F. USE 'PURGEGROUP' TO PURGE ALL FILES IN A GROUP.
(LOGON TO THE GROUP AS ACCOUNT MANAGER. ALL FILES WILL BE
'PURGED' BUT NOT THE GROUP AS YOU ARE LOGGED ON TO IT.)
- G. THERE ARE VERY FEW GOOD ON-LINE APPLICATION PACKAGES FOR
THE HP-3000. (BUT THE SITUATION IS RAPIDLY IMPROVING.)
- H. DO NOT TRY CONVERTING A BATCH SYSTEM TO A ON-LINE APPLICATION.
IT IS BETTER TO RE-WRITE FROM SCRATCH.
- I. I DO NOT RECOMMEND USING RPG FOR ON-LINE PROGRAMS.
(AND I'M A RPG 'NUT'.)
- J. REMEMBER TO PUT A PASSWORD ON THE 'SUPPORT' ACCOUNT AS
'FIELD.SUPPORT' HAS SYSTEM MANAGER CAPABILITY.
- K. TO DBLOAD A DATABASE TO ANOTHER GROUP/ACCT; USE PARM=1234.
:RUN DBLOAD.PUB.SYS;PARM=1234
- M. KEEP YOUR PROGRAMS SMALL TO REDUCE 'SWAP-OUT'.
I.E., DO NOT USE BATCH OPTIMIZATION TECHNIQUES SUCH AS
LARGE RECORD BUFFERS, ETC.
- N. USE ':SHOWOUT JOB' TO DISPLAY ALL OF THE OUTPUT QUEUE AT
YOUR TERMINAL.
- O. USE UDC'S FOR NESTED JOB STREAMS. (I.E., IBM S/3 OCL 'CALLS')
- P. TECHNIQUE TO 'ERASE' (RESET E-O-F TO 0) SEQUENTIAL & DIRECT FILES.
:FILE ABC;SAVE
:RUN PGMS,ETC
:PURGE *ABC <<BACK-REFERENCE 'SAVE' OVERRIDES PURGE.>>

TIPS FOR NEW USERS

Q. FILE NAMING CONVENTIONS WE USE. (SUFFIXES)

-CX = STREAM FILES.
-D2 = DOCUMENTATION. 'EDIT2' FORMAT.
-IS = RPG INPUT SPEC'S.
-KX = KSAM KEY FILE
-QX = QUERY PROCEDURES.
-R2 = FILE RECORD LAYOUT. 'EDIT2' FORMAT.
-RL = RL FILE.
-RX = VIEW REFORMAT SPEC'S.
-SL = SL FILE.
-SP = SOURCE PROGRAM
-VX = VIEW FORMS FILE.

HP-3000 DISC I/O.

THE 3000 GETS DISC I/O BOUND IN A HURRY. IT CAN ONLY DO A AVERAGE OF 30 DISC I/O'S A SECOND. HERE ARE SOME IDEAS ON HOW TO REDUCE THE I/O LOAD OF YOUR SYSTEM.

- A. PLAN AHEAD!!!
- B. BUY MORE MEMORY.
- C. READ BOB GREEN'S ARTICLE IN THE USERS GROUP JOURNAL, OCT. 1978. SUMMARIZED IT SAYS:
 - 1. MAKE EACH DISC ACCESS COUNT.
 - 2. MAXIMIZE THE VALUE OF EACH TERMINAL INPUT.
 - 3. MINIMIZE THE RUN-TIME PROGRAM SIZE.
 - 4. AVOID CONSTANT DEMANDS FOR EXECUTION.
 - 5. OPTIMIZE FOR THE COMMON EVENTS.
- D. GET EXPERT HELP IN DESIGNING YOUR IMAGE D.B.
(A AVERAGE 'DBPUT' GENERATES FROM 8 TO 30 DISC I/O'S.)
- E. USE 'QEDIT' (PURCHASE FROM BOB GREEN.) OR 'EDIT2'.
- F. AVOID USING SERIAL READS IN QUERY.

HP-3000 THRU-PUT IMPROVEMENTS.

- A. FOLLOW DISC I/O TIPS ABOVE.
- B. BUY MORE MEMORY.
- C. REDUCE LOGONS.
- D. DISALLOW INTERACTIVE COBOL COMPILES.
- E. TRY RUNNING ONLY 1 JOB AT A TIME.
- F. WRITE SMALL PROGRAMS.
- G. LEARN TO CONTROL THE SEGMENTATION OF YOUR PROGRAMS.
- H. USE 'ASSIGN LOCKOPTION=OFF' FOR 'FIND' AND 'REPORT' IN QUERY.
- I. READ 'SYSTEM PERFORMANCE MEASUREMENT & OPTIMIZATION' IN THE HP USERS GROUP ABSTRACT OF THE 1978 MEETING.

TIPS FOR NEW USERS

INTERACTIVE COMPILE OF BASIC PROGRAMS.

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:FILE LP;DEV=LP          <<LIST PGM. TO PRINTER>>
: BASICCOMP ,,*LP        <<CALL BASIC COMPILER>>
>$CONTROL LIST,SOURCE,MAP,USLINIT,INIT  <<COMPILE OPTIONS>>
>$COMPILE PGMXYZSP       <<PGMXYZSP = 'FAST' SOURCE PGM.>>
>$EXIT                  <<WHEN COMPILE IS FINISHED.>>
: PURGE PGMXYZ           <<PURGE OLD OBJECT PGM.>>
: PREP $OLDPASS,PGMXYZ;MAXDATA=6000      <<PREP NEW OBJ. PGM.>>
: SAVE PGMXYZ            <<SAVE NEW OBJ. PGM. TO PERM. FILE.>>
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BATCH COMPILE OF A RPG PROGRAM. <<SAME FOR COBOL, SPL, ETC.>>

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:JOB RPGCOMP,PGMR,PROD
:COMMENT
:COMMENT  RPG COMPILE JOB STREAM.
:COMMENT
:CONTINUE
: PURGE MAILX2.PUB
:RPG MAILX2SP,MISC
:PREP $OLDPASS,MAILX2.PUB;MAXDATA=7000
:SAVE MAILX2.PUB
:EOJ
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OUR PROCEDURE FOR A SYSTEM FAILURE OR PROBLEM.

1. TAKE A COLD DUMP. (DUMP MEMORY TO TAPE.)
2. CALL PICS OR S.E. IF UNUSUAL FAILURE/PROBLEM.
3. TRY WARMSTART.
IF NO-GO, THEN GOTO STEP 4.
IF 'WARMSTART' OK, THEN PRINT OUT CONTENTS OF SPOOLER.
IF PROGRAMS WERE UPDATING, SET =JOBFENCE 0 AND
TRY TO CONTINUE THE PROGRAMS. LOG OFF AS SOON AS
POSSIBLE AND PROCEED TO STEP 4.
4. COLDSTART. (RESTART SYSTEM FROM TAPE.)
IF 'COLDSTART' FAILS, YOU HAVE PROBLEMS. GOTO STEP 5.
5. RELOAD. (ONLY IF UNABLE TO COLDSTART.)
THIS MEANS YOU WILL LOSE ALL DATA ADDED/UPDATED SINCE
YOUR LAST 'SYSDUMP'.
IF 'RELOAD' FAILS, GOTO STEP 6.
6. YOU ARE DEAD IN THE WATER. CALL H=P.

TIPS FOR NEW USERS

OUR PROCEDURE AFTER A SYSGEN. (COOLSTART, COLDSTART, ETC.)

1. =STREAMS 10 (ALLOWS JOBS TO RUN.)
2. =HEADOFF 6 (DO NOT PRINT HEADER/TRAILER PAGES.)
3. =SESSION
4. :HELLO OPER.SYS (PASSWORD ON 'OPER'.)
5. :STREAM ALLOJOB (MY STREAM FILE TO ALLOCATE PROGRAMS.)
6. :RUN FREE2 (CHECK DISC CAPACITY/FRAGMENTATION.)
7. :RUN MEMLOGAN (CHECK MEMORY.)
8. :BYE

OUR SYSTEM BACKUP PROCEDURE. (FULL SYSDUMP ONCE A DAY.)

1. GET USERS OFF.
(USE 'WARN', PHONE CALLS, THREATS, 'ABORTJOB', WHATEVER.)
2. =LIMIT 0,0 (KEEP THEM OFF.)
3. =RECALL (CHECK FOR ANY OUTSTANDING REPLIES.)
4. =SHOWJOB (MAKE SURE EVERYONE IS OFF.)
5. =SHOWOUT (MAKE SURE ALL PRINT FILES ARE PRINTED.)
6. =SESSION
7. :HELLO OPER.SYS;HIPRI (PASSWORD FOR 'OPER'.)
8. :FILE T;DEV=TAPE
9. :SYSDUMP *T
10. ANY CHANGES? (CARRIAGE RETURN)
11. ENTER DUMP DATE? 0 (ENTER 'ZERO' FOR ALL FILES.)
12. ENTER DUMP FILE SUBSET(S)? (CARRIAGE RETURN)
13. LIST FILES DUMPED? (CARRIAGE RETURN)
14. =REPLY XX,7 (ANSWER TAPE LDEV MSG.)
15. :BYE
16. =LIMIT 2,16 (LET USERS LOG ON.)
17. NOTE: TAPES ARE STORED OFF-SITE.

TIPS FOR NEW USERS

UTILITY PROGRAMS WE HAVE ON OUR SYSTEM.

1. PROGRAMS RESIDING IN 'UTIL.SYS' THAT CAN BE ACCESSED BY ANY USER/ACCOUNT.

AMORT - AMORTIZATION PROGRAM. FROM THE INTERNATIONAL USERS GROUP LIBRARY TAPE. (LIB 4)
BASCXREF - CROSS-REFERENCE BASIC PROGRAM LISTINGS.
BASUT - A SERIES OF TUTORIAL PGMS. FOR LEARNING BASIC. (LIB 4)
BLOCK - CALCULATE FILE BLOCKING FACTOR. (LIB 4)
COBXREF - CROSS-REFERENCE COBOL PROGRAM LISTINGS.
DBCHANGE - CHANGE CAPACITIES OF IMAGE DATA-SETS.
DBLISTER - LIST INFO ABOUT IMAGE SCHEMAS. (GOOD)
DBLOADNG - PRINT STATISTICS ON HOW THE D.B. IS LOADED.
DBRENAME - RENAMES AN IMAGE DATABASE.
DBSTATS - PRODUCE STATISTICS ABOUT D.B. UTILIZATION.
DBUSAGE - LISTS PERCENT OF CAPACITY FOR EACH DATA-SET.
EDIT2 - EXCELLENT WORD PROCESSOR. HIGHLY RECOMMENDED. (LIB 5)
GREGNJUL - GREGORIAN TO JULIAN DATE SUBROUTINE.
LISA - INTERACTIVE STATISTICS. (PROBLEMS WITH PRESENT VERSION)
LISTCRET - LIST CREATOR OF FILES ON STORE TAPE. (SO YOU CAN SEE WHAT USER/GROUPS HAVE TO BE CREATED TO RESTORE THE TAPE. ESSENTIAL PGM.) (LIB 4)
PRIME - CALC. PRIME NBR. FOR IMAGE DATA SET CAPACITY SIZE.
PRINT - DUMP ASCII FILES TO LINE PRINTER.
PROGINFO - EXPANDED VERSION OF 'PROGSIIZE'.
PROGSIIZE - FIND SIZE OF SEGMENTS, DB, STACK, ETC FOR ANY PGM.
PROGSTAT - PRINT INFORMATION ABOUT PROGRAM FILES.
PSCREEN - DUMP 264X CRT DISPLAY TO LINE PRINTER. (LIB 4)
PURGE - PROGRAM TO AUTOMATICALLY PURGE A RANGE OF FILES. (DANGEROUS - USE WITH MUCH CAUTION.)
RESTORE - RESTORE A STORE TAPE FROM ANOTHER ACCOUNT TO YOUR LOGON GROUP/ACCOUNT.
SCAN - DISPLAY ANY ASCII FILE, REGARDLESS OF LENGTH.
SORT3 - EMULATES IBM S/3 SDSORT.
STAN - STORE TAPE ANALYZER. (ALIAS 'LISTSTOR', 'LISTCRET')
TAPEMAP - LIST TAPE LABEL INFO.
TAPESCAN - LIST INFO ABOUT DATA ON TAPE & CHECK PARITY.
TAPETEST - TEST REELS OF TAPE FOR DEFECTS.
TDCOPY - TAPE-TO-TAPE COPY PGM. USING THE DISC.

TIPS FOR NEW USERS

2. PROGRAMS THAT RESIDE IN 'SYSMGR.SYS' AND CAN ONLY BE ACCESSED BY THE SYSTEM MANAGER.

--WARNING: SOME OF THESE PROGRAMS CAN BE DANGEROUS TO HEALTH OF YOUR SYSTEM. --

CLKPROG - CHANGE SYSTEM DATE/TIME WHILE SYSTEM IS RUNNING.
COMPIA - ALLOW/DISALLOW INTERACTIVE ACCESS TO COMPILERS.
DIRPUR3 - PURGE ANY FILE! CAN CRASH THE SYSTEM IF YOU PURGE A FILE BEING USED BY SOMEONE.
FREEMEM2 - DISPLAYS HOW MUCH REAL MEMORY YOU HAVE 'FREE'.
GETFILE - COPY FILE ON STORE TAPE TO YOUR LOGON ACCOUNT. (EVEN IF IT WAS STORED FROM ANOTHER ACCOUNT.) (NOT IMAGE OR KSAM FILES.)
IOSTAT2 - GATHER/DISPLAY INFO ON SYSTEM I/O.
MOVEFILE - MOVE A RANGE OF FILES BETWEEN ACCOUNTS. (SECURITY MUST BE RELEASED FIRST.)
PEEK/PEEKABOO - SEE DATA SENT TO/FROM ANY TERMINAL.
PRCK - TEST ANY ATTACHED LINE PRINTER.
REPORTER - USAGE SUMMARIZATION PGM. USING 'REPORT' DATA.
SHOWVM - SHOW VIRTUAL MEMORY ALLOCATION.
SOO/SO03 - SON OF OVERLORD. SEE WHAT PROCESSES ARE USING WHAT RESOURCES.
SPACECK - CHECK FOR DISK SPACE DISCREPANCIES.
TUNER2 - SEE HOW YOUR SYSGEN TABLES ARE BEING USED. (USE THE DISPLAY FROM THIS PGM. TO CONFIGURE YOUR SYSTEM.) GET LATEST VERSION FROM YOUR S.E.
UDCLIST - SEE WHAT USERS ARE LINKED TO WHAT UDC.
VMFREE2 - SHOW FREE VIRTUAL MEMORY.
WORKOUT2 - GIVE THE DISC'S AND I/O SYSTEM A WORKOUT.

GAMES WE HAVE ON OUR SYSTEM. (IN ACCT FUN.GAMES)

ADVENTUR - THE BEST COMPUTER GAME.
YAHTZEE - VERY POPULAR.
BJ - BLACKJACK. (264X TERMINALS)
BIOSIN - BIORYTHMS.

CHESS	CRAZY8S	GOLF	HANGMN	KING
MAZE	QUBIC	STARTREK	UBOAT	ANIMAL

TIPS FOR NEW USERS

3. DATA-COMMUNICATIONS:

DATACOMM IS A SEPERATE FIELD OF IT'S OWN; COMPLEX, RAPIDLY CHANGING.

GOOD PRAGMATIC HOW-TO MANUALS DO NOT EXIST.

DATACOMM QUESTIONS? - CONTACT JACK HYMER, THE S.E. DATACOMM SPECIALIST AT BELLEVUE.

ALSO CONTACT OTHER USERS.

PACIFIC N.W. BELL OFFERS A FREE 2 DAY INTRODUCTION TO DATACOMM

CLASS HELD IN RENTON, WASH. CONTACT YOUR BELL MARKETING DEPT.

MTS - GET LOTS OF ASSISTANCE.

PHYSICAL DATACOMM LAYOUT.

(FOR THE AVERAGE SITE.)

I RECOMMEND THE FOLLOWING ARRANGEMENT:

- A. INSTALL A 4 X 8 SHEET OF 1/2" PLYWOOD HORIZONTALLY ON THE WALL NEXT TO THE FLOOR. I PLACE IT BEHIND THE DISC DRIVES. THIS SHEET OF PLYWOOD IS FOR THE SOLE USE OF THE TELEPHONE CO. TO INSTALL THEIR GEAR. (THEY WILL LOVE YOU FOR IT. I HAVE EVEN HAD THEM INSTALL IT OUT OF THEIR OWN POCKET.)
- B. ALONG THE TOP EDGE OF THE PLYWOOD, INSTALL A DOUBLE ROW OF ELECTRICAL OUTLETS. 110 VAC. SHOULD BE ON A SEPERATE CIRCUIT. (AT LEAST 20 A/C OUTLETS. MORE IS BETTER.)
- C. ABOVE THE PLYWOOD, INSTALL ADJUSTABLE SHELVING. THERE SHOULD BE AT LEAST 4 VERTICAL SUPPORTS BECAUSE OF THE POSSIBLE LOAD. SHELVES SHOULD BE 16" DEEP. THIS IS WHERE YOU WILL PLACE ALL OF YOUR DATA-COMMUNICATIONS EQUIPMENT.
- D. YOU CAN PUT CLOSET DOORS IN FRONT OF THESE SHELVES IF THE SIGHT OF ALL THE WIRES UPSET YOU. THERE WILL BE A LOT OF WIRES! KEEP THEM NEAT. TAG AND LABEL ALL OF THEM. BOTH ENDS.
- E. CONNECTING TO THE A.T.C. ON THE 3000. REMOVE THE 2" BLANK PANEL AT THE BOTTOM ON THE BACK OF THE CPU CABINET AND ROUTE ALL CABLES THRU THIS OPENING, UP THRU THE CPU AND OVER THE TOP OF THE A.T.C. TURN OFF THE A/C POWER TO THE COMPUTER IF YOU AREN'T SURE WHAT YOU ARE DOING.
- F. MAKE UP YOUR OWN CABLES!!!!!! LEARN HOW AND SAVE BUNDLES OF MONEY.

IF YOU WILL BE INSTALLING A LARGE DATA-COMM NETWORK, GET PROFESSIONAL ADVICE FOR THE REQUIREMENTS/LAYOUT OF YOUR DATA-COMM CENTER. AT THE MINIMUM YOU SHOULD HAVE A PATCHING CENTER AND NETWORK TESTING/MONITORING EQUIPMENT.

TIPS FOR NEW USERS

MODEMS.

WE USE VADIC MODEMS AND MICOM MULTIPLEXORS.

I PREFER THE VADIC 3467 TRIPLE MODEM.

YOU CAN ALSO USE THE VADIC 3455 1200 BAUD MODEM AS A REPLACEMENT FOR A ACOUSTIC COUPLER BY THE ADDITION OF A \$35.00 SWITCH.

IF YOU NEED MODEMS/MULTIPLEXORS IN A HURRY OR FOR A SHORT TIME, YOU CAN LEASE THEM FROM GENERAL ELECTRIC.

USING MULTIPLEXORS LETS YOU RUN REMOTE TERMINALS AT 2400 BAUD AND ALSO PROVIDES ERROR CONTROL.

TOUBLESHOOTING:

USE A PAPER CLIP ACROSS PINS 2 & 3 OF THE RS-232 CONNECTOR TO ISOLATE THE FAULTY COMPONENT. (I.E., LOOP-BACK THE SIGNAL) MODEMS ARE NOT REPAIRED ON SITE. THEY ARE SENT BACK TO THE FACTORY. MAINTAIN A ON-SITE SPARE IF YOU HAVE A CRITICAL APPLICATION.

H-P TERMINALS:

264X SERIES.

RECOMMEND PURCHASING WITH THE DISPLAY ENHANCEMENT OPTION.
BLOCK MODE STRAPPING (A,C,H = IN/CLOSED) (FOR VIEW, ETC.)
(D,F,G = OUT/OPEN)

REVERSE CTL 'F' KEY SEQ. (E = OUT/OPEN) (2640B'S)

HAVE H-P SHOW YOU HOW TO OPEN THE TERMINAL.

MAL-FUNCTIONING TERMINAL. - RESET THE P.C. BOARDS.

UNABLE TO COMMUNICATE WITH THE COMPUTER.

A. HIT CTL F AND/OR CTL G.

B. RESET THE CABLE CONNECTORS AT THE REAR OF THE TERMINAL.

C. TEST THE TERMINAL.

'TEST' ALSO TELLS YOU HOW MUCH MEMORY YOU HAVE.

D. RESET THE TERMINAL. TWICE FOR 2645'S.

E. DOUBLE CHECK ALL KEYS. SPEED, FULL DUPLEX, PARITY=NONE
BLOCK MODE UP, REMOTE DOWN.

F. HIT THE BREAK KEY.

G. CHECK AT CONSOLE AND ABORT THE SESSION IF ONE IS RUNNING.

H. TURN POWER OFF/ON.

I. CHECK ALL CABLE CONNECTIONS.

TIPS FOR NEW USERS

2635 TERMINALS:

IF THE PRINTOUT STARTS GARBLING; SIGNON WITH TERM=10 OR 16.
IF YOU HAVE PROBLEMS WITH FORMS FEEDING/PRINTING, TRY FEEDING
FROM THE REAR VS THE BOTTOM.
DON'T BUY THE OVERPRICED H-P STAND. HAVE ONE MADE.
STRAPPING OPTIONS FOR FULL DUPLEX COMM. (SHUD BE SET AT FACTORY)
REMOVE COVER. (ONLY IF YOU FEEL COMFORTABLE WORKING WITH
(ELECTRONIC GEAR.)
A. STRAP S2-6, S2-7 & S2-8 = ON/CLOSED.
B. JUMPER 'W-9' = DOWN.

CONTROL PANEL SETTINGS.

BAUD RATE = 1200 OR 2400
PARITY = NONE (TRY 'ODD' IF 'NONE' DOESN'T WORK.)
DUPLEX = FULL

KEYBOARD SETTINGS:

REMOTE = IN
AUTO LINE FEED = OUT
DISP. FUNC. = OUT

2621 TERMINALS:

HANDSHAKE CONFIGURATION FOR COMMUNICATION WITH A H-P 3000; TERM=10
CAPITAL 'E', SMALL 'T', SMALL 'X'
(MAY NOT WORK WITH MODEMS. CALL YOUR S.E.)

TIPS FOR NEW USERS

OTHER:

IF YOU CANNOT START THE LINE PRINTER, TRY:

- A. =RECALL
- B. =SPOOL 6, STARTOUT (IF SPOOLIE I/O ERROR)
 =SPOOL 6, RESUME
 =SPOOL 6, OPENQ

THINGS I WOULD LIKE TO SEE FROM H-P.

TERMINAL SPOOLING.

SPOOLER ENHANCEMENTS. (COMING?)

IMPROVED BASIC AND BASIC MANUALS.

'REPORT' TO INCLUDE A USER LEVEL.

A MAILBOX FACILITY.

FASTER HARDWARE WITH GREATER THRU-PUT.

IMPROVED THRU-PUT THROUGH THE A.T.C. (OR A TOTALLY NEW SUBSYSTEM TO REPLACE IT.)

WHEN YOU PLACE YOUR MACHINE ON ORDER, BUG YOUR SALES REP. TO GET YOUR COMMUNICATOR AND SSB SUBSCRIPTION STARTED SO THAT THEY WILL BEGIN ARRIVING WHEN YOUR SYSTEM IS INSTALLED. (NOT 3 MONTHS LATER.)

ALSO, YOUR SYSTEM WILL SELDOM ARRIVE ON THE DATE GIVEN BY H-P. EXPECT VARIOUS COMPONENTS TO 'DRIBBLE IN' OVER A 10 DAY PERIOD.

OTHER H-P MISC.

DON'T DEPEND ON THE PRICE/CONFIGURATION GUIDE FOR ORDERING SPECIAL TERMINAL CONFIGURATIONS.

AT THIS TIME THERE ARE AT LEAST 3 DIFFERENT PRICE/CONFIG. GUIDES. (INCLUDING ONE JUST FOR TERMINALS.)

GENERAL MISC.:

CHARGING FOR MACHINE USAGE.

MOST H-P USERS SEEM TO BE CHARGING BETWEEN \$7 TO \$10 PER CONNECT HOUR.

WE HAVE A 3000 SERIES 3, PRESENTLY USING VIEW, RPG, BASIC, IMAGE & KSAM. OUR FUTURE SYSTEMS WILL BE WRITTEN USING VIEW, COBOL, IMAGE AND KEN LESSEY'S 'SKIPPER' PACKAGE. THIS IS BECAUSE OF THE EASE OF DEVELOPING ON-LINE TRANSACTION PROCESSING APPLICATIONS, H-P SUPPORT (I.E., THESE ARE THEIR FUTURE 'MAINLINE' SUB-SYSTEMS) AND FUTURE RESALE POTENTIAL.

TIPS FOR NEW USERS

SOME HELPFUL H-P PUBLICATIONS YOU MAY NOT BE FAMILIAR WITH.

1. COMPREHENSIVE INTRODUCTION FOR THE APPLICATIONS PROGRAMMER.
INSTRUCTOR'S GUIDE.
22801-90004 (\$20.00 ?) BUY A NEW ONE EVERY YEAR.

ALSO - THE INSTRUCTOR'S GUIDE FOR THE SYSTEM MGR'S COURSE.
GET THE H-P NBR. FROM YOUR S.E.

2. 2640 CABLING APPLICATION BRIEF.
5952-9975 (FREE ?)
3. COMMUNICATIONS HANDBOOK.
30000-90105 (\$14.00 ?)

OTHER GOOD BOOKS.

1. TELECOMMUNICATIONS AND THE COMPUTER. 2ND EDITION.
JAMES MARTIN (\$30.00 ?)
2. DATA COMMUNICATIONS.
DIXON R. DOLL (\$25.00 ?)
3. DATABASE - A PROFESSIONAL'S PRIMER.
DAVID KROENKE (\$22.00 ?)
4. COMPUTER DATA-BASE ORGANIZATION.
JAMES MARTIN
5. A SIMPLIFIED GUIDE TO STRUCTURED COBOL PROGRAMMING.
DANIEL MCCrackEN (\$14.00)
6. THE DESIGN OF ON-LINE COMPUTER SYSTEMS.
EDWARD YOURDON (\$20.00 ?)
-WRITTEN IN 1972 BUT STILL THE 'BIBLE'.
7. THE PSYCHOLOGY OF COMPUTER PROGRAMMING.
GERALD WEINBERG (\$9.00 ?) A 'MUST' READ.
8. THE MYTHICAL MAN-MONTH.
FREDERICK P. BROOKS, JR. (\$7.00 ?)
9. ZEN AND THE ART OF MOTORCYCLE MAINTENANCE.
ROBERT PIRSIG (\$2.95 PAPERBACK AT ANY BOOKSTORE)

TIPS FOR NEW USERS

MISC. PUBLICATIONS

1. COMPUTERWORLD. WEEKLY NEWSPAPER. (\$15.00? YEAR)
2. DATAMATION. THE BEST DP MAGAZINE. (FREE)
3. DATA COMMUNICATIONS. MAGAZINE. (\$18.00 YEAR)

TIPS FOR NEW USERS

THESE HAVE BEEN MY EXPERIENCES. THEY MAY OR MAY NOT WORK FOR YOU. I WOULD LIKE TO HEAR ABOUT ANY CHANGES/ADDITIONS TO THIS LIST THAT YOU THINK WOULD BE OF BENEFIT TO HP-3000 USERS.

DICK HAMILTON
P.O. BOX 370
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1-206-423-8567