

INTRODUCTION

I would like to introduce PULSE. PULSE is the Prime Users Library Service. It is a free service to the Prime Users Group, which is sponsored and administered by Prime Computer Incorporated.

PULSE is a cooperative software library of programs, techniques and subroutines developed by Prime Computer users. As a Prime Computer user, you can submit your programs to the PULSE library and use other library programs. This is at no charge to the requestor except as noted in the chargeable software section of the catalog.

PULSE provides these services:

- o reviews and processes PULSE software requests
- o conducts searches for software among the user group community
- o updates the PULSE Program Library and catalog
- o ships programs and documentation to those who request them

The programs that you obtain through PULSE may be specialized by the contributor for use on his Prime system, and may require modification for use on your Prime system. In those instances, Prime is solely a intermediary to receive, file, and distribute programs.

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Prime Computer Inc.
40 Walnut Street
Wellesley, Massachusetts 02181
Attn: User Group Coordinator

Registered PULSE members will receive bi-monthly newsletters that detail recent meeting events, future user group meetings, proceedings, attendees, new library program submittals, training offerings, and new literature offerings. Registered members also receive Software Release Bulletins.

If you have any questions concerning User Groups or PULSE, please direct them to your local Prime sales office or to Roland Kittredge, User Group Coordinator at 617-879-2960, extension 4666.

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CATEGORY 1 - LANGUAGE AND SIMULATORS

PROGRAM NUMBER: 0476-01-01
PROGRAM NAME: LISP
CONTACT: JEFF MILLAR, CODEX CORP., NEWTON MASS
HARDWARE REQD: P300, TELEPRINTER
LANGUAGE: PMA
PURPOSE: LISP INTERPRETER
THIS INTERPRETER WAS WRITTEN BY RUSS BARBOUR OF PRIME
INC AND MODIFIED BY THE SUBMITTER TO PROVIDE BETTER
DIAGNOSTICS. LISP IS A SOPHISTICATED, STRUCTURED SYMBOLIC
LANGUAGE USED BY ARTIFICIAL INTELLIGENCE WORKERS.
DOCUMENTATION IS AVAILABLE IN THE LISP 1.5 PROGRAMMERS
MANUAL, MIT PRESS, CAMBRIDGE, MASS.

PROGRAM NUMBER: 0876-01-02
PROGRAM NAME: NOVA/NED
CONTACT: DON MARKS, PRIME COMPUTER, TARZANA CALIFORNIA
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: PMA AND FORTRAN
PURPOSE: NOVA CROSS ASSEMBLER. THE NOVA CROSS ASSEMBLER WILL
READ NOVA FORMAT SOURCE CODE AND PRODUCE NOVA RELOCATABLE
OBJECT AND/OR A PROGRAM LISTING AND/OR A CROSS
REFERENCE LISTING. THE FUNCTION PERFORMED IS IDENTICAL
TO THE ASSEMBLER DEFINED BY THE DATA GENERAL CORP.
MANUAL 093-000040-01 TITLED EXTENDED ASSEMBLER.
THERE IS ALSO A NOVA EDITOR INCLUDED.

PROGRAM NUMBER: 0876-01-03
PROGRAM NAME: MOSTEK
CONTACT: GARY UTZ, PRIME COMPUTER, PHILADELPHIA PA.
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: MOSTEK F8 CROSS ASSEMBLER

PROGRAM NUMBER: 0876-01-04
PROGRAM NAME: C01130
CONTACT: ANDY PAINE, GENERAL TIRE, AKRON OHIO
HARDWARE REQD: PRIME 300
LANGUAGE: FORTRAN
PURPOSE: TO CONVERT IBM1130 FORTRAN PROGRAMS TO PRIME
300 FORTRAN FORMAT.

CATEGORY 1 - LANGUAGE AND SIMULATORS

PROGRAM NUMBER: 0378-01-05
PROGRAM NAME: M20
CONTACT: NAME WITHHELD BY REQUEST
HARDWARE REQD: PRIME 300/400
LANGUAGE: FORTRAN
PURPOSE: ABSOLUTE ASSEMBLER FOR MICRODATA 800/1600 (IN M8-M20)
PLUS ABILITY TO PUNCH PAPER TAPE.

PROGRAM NUMBER: 0378-01-06
PROGRAM NAME: DEBUG
CONTACT: NAME WITHHELD BY REQUEST
HARDWARE REQD: PRIME 400
LANGUAGE: FORTRAN
RESTRICTIONS: THIS PROGRAM WORKS ON REV14 AND REV15 SEG
FILES ONLY.
PURPOSE: SYMBOLIC DEBUGGER FOR P400 FORTRAN WITH BREAKPOINT FEATURE,
DISPLAY OF FORTRAN VARIABLES, AND TRACE OF SUBROUTINE CALLS.

PROGRAM NUMBER: 0378-01-07
PROGRAM NAME: PASCAL
CONTACT: NAME WITHHELD BY REQUEST
HARDWARE REQD: PRIME 400
LANGUAGE: PASCAL
PURPOSE: SEQUENTIAL PASCAL, DEVELOPED AT THE CALIFORNIA INSTITUTE
OF TECHNOLOGY, IS A RELATIVELY COMPLETE SUBSET OF STANDARD
PASCAL. THE MAJOR FEATURES WHICH HAVE BEEN OMITTED ARE THE
GOTO STATEMENT AND THE FILE TYPE. IN THIS IMPLEMENTATION, THE
COMPILER (ITSELF WRITTEN IN PASCAL) GENERATES OBJECT CODE FOR
A HYPOTHETICAL MACHINE WHICH IS SUBSEQUENTLY INTERPRETED.
A COMPLETE SET OF DOCUMENTATION IN MACHINE READABLE FORM
IS PROVIDED.

PROGRAM NUMBER: 0879-01-08
PROGRAM NAME: FLECS
CONTACT: NAME WITHHELD BY REQUEST
HARDWARE REQD: PRIME 300 & UP
LANGUAGE: FORTRAN/FLECS
PURPOSE: FLECS IS A FORTRAN PRE-PROCESSOR WHICH PROVIDES STRUCTURED
PROGRAMMING FACILITIES (WHEN/ELSE, CONDITIONAL, WHILE, ETC.).
FLECS PRODUCES A FORTRAN OUTPUT FILE AND A NICELY-FORMATTED
LISTING FILE. COMPLETE USER DOCUMENTATION IS PROVIDED.
ORIGINALLY WRITTEN BY TERRY BEYER UNIVERSITY OF OREGON,
MODIFIED BY SUBMITTER FOR USE ON PRIME.

CATEGORY 1 - LANGUAGE AND SIMULATORS

PROGRAM NUMBER: 1179-01-09
PROGRAM NAME: FLX
CONTACT: LEO PHARMACEUTICAL PRODUCTS, INDUSTRIPARKEN 55
DK-2750 BALLERUP, DENMARK
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: FLX IS AN ENHANCED VERSION OF THE FLECS LANGUAGE PROCESSOR
DEVELOPED BY T BEYER AT THE UNIVERSITY OF OREGON. FLX
SUPPORTS LOOP, EXIT, JUMP, NEXT, SET, DEBUGGING OPTIONS,
DOCUMENTATION INSERTION, ALPHANUMERIC LABELS, ETC IN ADDITION
TO THE STANDARD FLECS FACILITIES. FLX.INDEX CONTAINS FILE
DESCRIPTIONS, FLX.GUIDE.R CONTAINS A USER GUIDE READY FOR
SPOOLING.

PROGRAM NUMBER: 1179-01-10
PROGRAM NAME: XFORM
CONTACT: KEVIN DAIDSON, MANAGER M.I.S.
APPALACHIA II DISTRICT HEALTH DEPT.
BOX 2507, GREENVILLE, SOUTH CAROLINA 29602
HARDWARE REQD: PRIME 350 AND UP (MUST HAVE XISUII)
LANGUAGE: PMA (V-MODE ONLY)
PURPOSE: XFORM IS A PMA SUBROUTINE THAT CAN BE DIRECTLY
SUBSTITUTED FOR THE TRANSFORM VERB WHEN CONVERTING
IBM TO PRIME COBOL.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0176-02-01
PROGRAM NAME: C2629
CONTACT: UNKNOWN
HARDWARE REQD: PRIME DOS
LANGUAGE: FORTRAN IV
PURPOSE: TO CONVERT A DISC INPUT FILE WITH 026 CHARACTER SET
TO A DISC OUTPUT FILE WITH 029 CHARACTER SET.

PROGRAM NUMBER: 0376-02-02
PROGRAM NAME: ERASE
CONTACT: ROBERT BYARD, PRIME COMPUTER, FRAMINGHAM, MASS
HARDWARE REQD: P300
STORAGE REQD: 2K+
LANGUAGE: FORTRAN
PURPOSE: DELETES ALL FILES IN THE CURRENT UFD THAT ARE PREFIXED
BY A B_ OR L_ AND PRINTS THE FILENAMES AS THEY ARE
DELETED.

PROGRAM NUMBER: 0476-02-03
PROGRAM NAME: X
CONTACT: ROSS GOODELL, CODEX CORP., NEWTON, MASS.
HARDWARE REQD: P300
LANGUAGE: FORTRAN
PURPOSE: TO EXECUTE A PROGRAM FROM CMDNC0, CMDNC1, ETC.
SAME AS (AND BASED ON) CMD AT PRIME EXCEPT IT ALLOWS
PROGRAM PARAMETERS TO BE SPECIFIED IN SAME FORMAT AS
FOR PROGRAMS IN CMDNC0.
THE X COMMAND MAKES ANY EXECUTABLE PROGRAM IN CMDNCX,
UFD OR THE USERS UFD AN EXECUTABLE COMMAND. THE CMDNCX
UFD MUST HAVE A PASSWORD OF XXXXXX. TO USE THIS FACILITY,
PUT THE PROGRAM IN CMDNCX OR YOUR OWN UFD, THEN INVOKE
IT AS FOLLOWS:
X
PROGRAM PARAMETERS

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0476-02-04
PROGRAM NAME: DO
CONTACT: ROSS GOODELL, CODEX CORP., NEWTON MASS.
HARDWARE REQD: P300
LANGUAGE: FORTRAN
PURPOSE: WORKS LIKE CO EXCEPT SUBSTITUTES CALLING ARGUMENTS INTO COMMAND FILES. CREATES AND AUTOMATICALLY DELETES FILES. COMMAND FILES SAME AS FOR CO EXCEPT REPLACED BY ARG N (SEE RDARGS SUBROUTINE IN ARG FORMAT). COMMAND FILE MAY BE IN CURRENT UFD OR 'DO' UFD. RESULTANT COMMAND FILE IS EXECUTED IN CURRENT UFD.
RESTRICTIONS: A UFD CALLED 'DO', DOTTY (CREATED BY C_DOTTY COMMAND FILE), AND 'X' (CREATED BY C_X COMMAND FILE). SEE SEPERATE SUBMITTAL OF 'X'. 'X' IS NOT ESSENTIAL TO 'DO', SIMPLY ALLOWING DOTTY TO BE CMDNCX ETC, INSTEAD OF CMDNC0. THE NEED FOR 'X' CAN BE ELIMINATED BY DELETING ONE LINE IN THE SOURCE FOR DO. DO IS CREATED BY C_DO. DO FILES CAN BE NESTED TEMPORARY FILES (DO\$\$NN) MAY BE LEFT AROUND IF PROCEDURE ABORTS, UNOPENED (DO\$\$NN) WILL BE REUSED WHERE NN IS THE NESTING LEVEL OF THE TEMPORARY COMMAND FILE.

PROGRAM NUMBER: 0476-02-05
PROGRAM NAME: OCTDMP
CONTACT: JIM WARD, PRIME COMPUTER, FRAMINGHAM, MASS.
HARDWARE REQD: PRIME 200-300. TELEPRINTER, LINEPRINTER (OPT)
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM WILL READ AN INPUT FILE AND PRODUCE AN OUTPUT FILE SUITABLE FOR OUTPUTTING ON A LINE PRINTER. OUTPUT FILE CONSISTS OF OCTAL AND ASCII EQUIVALENTS OF THE INPUT FILE CONTENTS.

PROGRAM NUMBER: 0576-02-06
PROGRAM NAME: SKIP
CONTACT: GARY UTZ, PRIME COMPUTER, PHILADELPHIA, PA
HARDWARE REQD: ANY PRIME MODEL
LANGUAGE: FORTRAN AND PMA
PURPOSE: SKIP ALLOWS CANNED COMMAND STREAM MODIFICATION BASED ON A PRESET USER VALUE (VIA 'VRTSSW XXXXXX' CMD).

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0576-02-08
PROGRAM NAME: SYSUP
CONTACT: JIM WARD, PRIME COMPUTER, FRAMINGHAM, MASS.
HARDWARE REQD: USER TERMINAL AND DOS DISK
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM STARTED UNDER DOS, INPUTS THE DATE AND TIME (IN FREE FORMAT), DATE AND TIME ARE INTEGRATED WITH AN ALREADY EXISTING COMMAND FILE AND COPIED TO CMDNC0 AS C DOSVM. AT THIS POINT, 'DOSVM' IS RESUMED. THIS MAKES DOSVM A 1-STEP PROCESS.

PROGRAM NUMBER: 0576-02-09
PROGRAM NAME: FAILSA
CONTACT: JIM WARD, PRIME COMPUTER, FRAMINGHAM, MASS.
HARDWARE REQD: TELEPRINTER, AND 2 DOS DISKS
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM CHECKS THE DSKRST NAMES (VOLUMES IDS) ON 2 DISKS BEFORE A PHYSICAL DISK COPY. IT IS USUALLY INVOKED IN THE COMMAND FILE DIRECTLY BEFORE A COPY. A MESSAGE IS PRINTED IF ONE OR BOTH OF THE VOLUME ID'S DISAGREES WITH THE ONE SPECIFIED IN THE COMMAND LINE.

PROGRAM NUMBER: 0676-02-10
PROGRAM NAME: MORGAG
CONTACT: ROLAND KITTREDGE, PRIME COMPUTER, WELLESLEY, MASS.
HARDWARE REQD: DISC AND/OR TERMINAL, DOS OR DOSVM
LANGUAGE: FORTRAN
PURPOSE: TO CALCULATE MORTGAGE PAYMENTS BROKEN DOWN BY INTEREST, PRINCIPAL, AND TOTALS.

PROGRAM NUMBER: 0177-02-11
PROGRAM NAME: EDMOD (MODIFIED VERSION OF REV. 11 ED)
CONTACT: RAY SAUNDERS, DATA CORP OF AMERICA, INDIANAPOLIS IND.
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: ENTER VERIFY MODE INSTEAD OF BRIEF MODE WHEN EDITING. COBOL RESEQUENCING OF LINE NUMBERS BY USING COMMAND 'CSEQ'

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0177-02-12
PROGRAM NAME: PARITY
CONTACT: JEFF ENTWISLE, PRIME COMPUTER, MCLEAN VIRGINIA
HARDWARE: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: PARITY FORCES THE PARITY BIT ON FOR ALL WORDS IN A FILE.
EACH WORD OF THE INPUT FILE IS 'ORED' WITH :100200 AND
WRITTEN TO THE OUTPUT FILE. THE NUMBER OF WORDS READ IS
PRINTED AFTER CONVERSION IS DONE (IN DECIMAL).
COMMAND: PARITY INFN OUTFN
INFN=INPUT FILE NAME
OUTFN=OUTPUT FILE NAME

PROGRAM NUMBER: 0277-02-13
PROGRAM NAME: MTTRAN
CONTACT: DR R EPSTEIN, COLUMBIA PRESBYTHERIAN HOSP. NY, NY
HARDWARE: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: TRANSFERS BLOCKED ASCII OR EBCDIC TAPE TO DISK.
OPEN ERROR FILE FOR WRITING ON FUNIT 3 FROM SYSTEM IN HOME
UFD. PROGRAM TRANSFERS 50 FILES TO EACH UFD AND SETS BIT
8 HIGH AS REQUIRED BY PRIME.
ALL REQUIRED SUBROUTINES INCLUDED IN THIS FILE.
ASCII AND EBCDIC DRIVERS MUST BE IN POSITIONS 5 AND 6 OF
CONIOC.

PROGRAM NUMBER: 0377-02-14
PROGRAM NAME: COMPIL
CONTACT: HAL TALMADGE ASSOC, SCOTTSDALE ARIZONA
UPDATED BY: KIMWAI CHEUNG (012180), COOPERATIVE POWER ASSOC.
3316 W 66TH ST., MINNEAPOLIS, MINNESOTA 55435
HARDWARE: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM TAKES THE SOURCE VERSION OF A GIVEN
FORTRAN PROGRAM AND CREATES A COMMAND FILE WHICH
COMPILES AND LOADS THE PROGRAM. THE OBJECT VERSION IS
SAVED UNDER THE FILENAME '*NAME' WHERE 'NAME' IS THE SOURCE
PROGRAM NAME. TO USE THIS PROGRAM,
IT MUST BE COMPILED AND SAVED IN CMDNCO UNDER
THE NAME 'COMPIL'. WHEN LOADING THE BINARY VERSION OF A
PROGRAM, 'COMPIL' ALSO LOADS THE FTN
AND KI/DA LIBRARIES. THE FORMAT STATEMENT AT LINE 51
CONTROLS WHICH LIBRARIES ARE LOADED AND CAN BE CHANGED
TO SUIT THE USER.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0477-02-15
PROGRAM NAME: EXEC
CONTACT: JACK CRAMER, WIDE-LITE CORP., SAN MARCOS, TX
HARDWARE REQD: P400
LANGUAGE: FORTRAN & PMA
PURPOSE: EXECUTE A SEGMENTED PROGRAM IN ANY UFD.
A SLIGHTLY PATCHED VERSION OF SEG.

PROGRAM NUMBER: 0777-02-16
PROGRAM NAME: INSCOM
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MA
HARDWARE REQD: P300 W/ 32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM INSERTS COMMAS BETWEEN COLUMNS OF DATA.
ITS GENERAL PURPOSE IS TO PREPARE A FILE TO BE READ BY
A BASIC PROGRAM.

PROGRAM NUMBER: 0777-02-17
PROGRAM NAME: BEGIN
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MA
HARDWARE REQD: P300 W/ 32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM IS USED TO BEGIN ANY OTHER PROGRAM ON
THE COMPUTER NO MATTER WHICH UFD IT RESIDES IN, AS LONG
AS THE USER HAS READER RIGHTS.

PROGRAM NUMBER: 0777-02-18
PROGRAM NAME: MCPLIB
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MA
HARDWARE REQD: P300 W/ 32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: MCPLIB CONTAINS ALL THE SUBROUTINES NECESSARY TO RUN
PROGRAMS SUBMITTED TO THE PULSE LIBRARY.

PROGRAM NUMBER: 0777-02-19
PROGRAM NAME: QUEST
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MA
HARDWARE REQD: P300 W/32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM EVALUATES QUESTIONNAIRES AND ALLOWS THE USER
VARIOUS SAMPLING RESTRICTIONS AND PRINTING OPTIONS.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0877-02-20
PROGRAM NAME: LOGPHY
CONTACT: JEFF ENTWISLE, PRIME COMPUTER, MCLEAN VIRGINIA
HARDWARE REQD: PRIME 300 ONLY
LANGUAGE: FORTRAN
PURPOSE: RETURNS THE PHYSICAL UNIT NUMBER GIVEN THE FORTRAN
LOGICAL UNIT NUMBER. WORKS IN P300 MODE ONLY.

PROGRAM NUMBER: 0877-02-21
PROGRAM NAME: TIME
CONTACT: JEFF ENTWISLE, PRIME COMPUTER, MCLEAN VIRGINIA
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM PRINTS CPU SECONDS AND WALL CLOCK SECONDS.
USEFUL WHEN TIMING PROGRAMS.

PROGRAM NUMBER: 0877-02-22
PROGRAM NAME: COMOFI
CONTACT: JEFF ENTWISLE, PRIME COMPUTER, MCLEAN VIRGINIA
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: COMOFI CONSISTS OF THREE PROGRAMS, COPY, MOVE, FILL, THAT
MOVE VARIABLE CHUNKS OF DATA FROM ONE PLACE OF MEMORY
TO ANOTHER.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0877-02-23
PROGRAM NAME: ASCII
CONTACT: JEFF ENTWISLE, PRIME COMPUTER, MCLEAN VIRGINIA
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: ASCII CONTAINS PROGRAMS FOR MANIPULATING, INPUTTING,
AND OUTPUTTING STRINGS WHICH CONTAIN A TERMINATING
<NL>. USEFUL WHEN CONSERVING DISK SPACE ON VARIABLE
LENGTH ASCII STRINGS, ESPECIALLY WITH KI/DA.
UPACK\$ - UNPACKS A2 STRINGS INTO A1 STRINGS
PACK\$ - PACKS A1 INTO A2 FORMAT.
ASCIN\$ - CONVERTS ASCII TO INTEGER ACCORDING TO BAD
TYPL - CONTAINS TIDECL, TIOCTL AND TIHEXL FOR
INPUTTING LONG INTEGERS.
INPSTR - INPUTS A STRING AND RETURNS THE NUMBER OF
CHARACTERS READ.
OUTSTR - OUTPUTS A STRING UP TO BUT NOT INCLUDING ANY
CONTROL CHARACTERS. DOES NOT APPEND <NL>
OUTEIN - LIKE OUTSTR BUT APPENDS A <NL>
PSTRNG - LIKE OUTSTR BUT APPENDS A SPACE.
SETLIN - OUTPUTS A MESSAGE, THEN INPUTS A STRING UP TO A
SPECIFIED NUMBER OF CHARACTERS. TAKES ALTERNATE
RETURN IF TOO MANY CHARACTERS ARE INPUT.
RETURNS WITH NUMBER OF CHARACTERS READ.

PROGRAM NUMBER: 0977-02-24
PROGRAM NAME: TAPE
CONTACT: J W BRADLEY, MASS COLLEGE OF PHAR., BOSTON MASS
HARDWARE REQD: TEXAS INSTRUMENTS 733 ASR
SOFTWARE REQD: MCPLIB (PULSE # 0777-02-18)
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM ALLOWS THE USER TO COPY PROGRAMS FROM THE
CURRENT UFD TO DIGITAL CASSETTES, COPY PROGRAMS FROM
CASSETTES TO THE CURRENT UFD, OR COPY PROGRAMS FROM ONE
CASSETTE TO ANOTHER.

PROGRAM NUMBER: 0977-02-25
PROGRAM NAME: TPRUN
CONTACT: J W BRADLEY, MASS COLLEGE OF PHAR., BOSTON MASS
HARDWARE REQD: TEXAS INSTRUMENTS 733 ASR
SOFTWARE REQD: MCPLIB (PULSE # 0777-02-18)
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM ALLOWS THE USER TO TAPE A SAMPLE RUN OF HIS/HER
PROGRAM ON THE TEXAS INSTRUMENTS TERMINAL, AND TO THEN WRITE
THIS DATA ON A FILE.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0977-02-26
PROGRAM NAME: TPVER
CONTACT: J W BRADLEY, MASS COLLEGE OF PHAR., BOSTON MASS
HARDWARE REQD: TEXAS INSTRUMENTS 733 ASR
SOFTWARE REQD: MCPLIB (PULSE # 0777-02-18)
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM IS USED TO TEST THE ACCURACY OF THE TAPE DRIVES ON THE TEXAS INSTRUMENTS 733 TERMINAL. IT TESTS ALMOST ALL OF THE REMOTE FUNCTIONS AVAILABLE AND ALSO ALLOWS THE USER TO DO A RELIABILITY TEST OF THE READ/WRITE FUNCTIONS.

PROGRAM NUMBER: 0977-02-27
PROGRAM NAME: MAIL
CONTACT: ROLAND KITTREDGE, PRIME COMPUTER, WELLESLEY
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM ENABLES USERS TO COMMUNICATE WITH EACH OTHER WHILE LOGGED IN TO THE SYSTEM.

PROGRAM NUMBER: 1277-02-28
PROGRAM NAME: EDKIDA
CONTACT: W J GREENE, CHRISTIAN BROTHERS, LOCKPORT ILL
HARDWARE REQD: P300/400/500
LANGUAGE: FORTRAN
PURPOSE: MIDAS FILE EDIT AND INQUIRY CAPABILITY. ALSO HAS ABILITY TO LOCK, UNLOCK, DELETE RECORDS OF MIDAS FILE.

PROGRAM NUMBER: 0178-02-29 (UPDATED 07/78)
PROGRAM NAME: PRTXIO
CONTACT: DR D SHEALY, UNIV OF ALA, BIRMINGHAM ALA
HARDWARE REQD: PRINTRONIX 300
LANGUAGE: FORTRAN AND PMA
PURPOSE: PRTXIO IS A UFD CONTAINING THE NECESSARY PROGRAMS AND INFORMATION THAT WILL ENABLE PARALLEL I/O TO THE PRINTRONIX PRINTER VIA SOC BOARD(#3007) UNDER REV 14 AND FUTURE REVISIONS, PROVIDING PRIME DOES NOT CHANGE THE BASIC SOFTWARE FOR T\$VG.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0378-02-30
PROGRAM NAME: NEXT
CONTACT: EDWARDS & KELSEY INC, NEWARK N.J.
STANLEY CISZEWSKI
UPDATED BY: KIMWAI CHEUNG, (012180) COOPERATIVE POWER ASSOCIATION
3316 W 66TH ST., MINNEAPOLIS, MINNESOTA 55435
HARDWARE REQD: PRIME 400, O/S REV 14.+
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM SORTS ALL TITLES IN UFD AND ARRANGES THEM
ALPHABETICALLY IN COLUMNAR FORM(5 COLUMNS) FOR A TOTAL
OF 120 TITLES. IF MORE TITLES ARE PRESENT DISPLAY CAN BE
SCROLLED DOWN BY A NUMBER INSERTED VIA KEYBOARD. ''99'' WILL
RETURN TO TOP OF LISTING.

PROGRAM NUMBER: 0478-02-31
PROGRAM NAME: UPDATE
SUBMITTER: DONN TERRY, UNIV OF WASHINGTON AT SEATTLE
HARDWARE REQD: PRIME 200 AND UP
LANGUAGE: FORTRAN
PURPOSE: USER MAY CREATE A FILE OF CHANGES TO A STANDARD SOFTWARE
PACKAGE (SUCH AS PRIME RELEASED SOFTWARE). THESE CHANGES THEN
MAY BE APPLIED. IF THE ORIGINAL SOFTWARE CHANGED, ONLY LINE
NUMBERS HAVE TO BE CHANGED IN THE FILE OF CHANGES. PROVIDES
FOR SOME AUDIT TRAIL OF CHANGES.

PROGRAM NUMBER: 0478-02-32
PROGRAM NAME: CXDEFR
SUBMITTER: DONN TERRY, UNIV OF WASHINGTON AT SEATTLE
HARDWARE REQD: PRIME 300 AND UP WITH AT LEAST 65K
LANGUAGE: FORTRAN
SOFTWARE REQD: CX AS SUPPLIED BY PRIME AND UPDATE #0478-02-31
PURPOSE: ALLOWS USER TO GIVE A DEFERRED STARTING TIME FOR A CX JOB.
THIS TIME MAY BE ANY TIME AND DATE IN THE FUTURE(UP TO 2400).
THE CX JOB WILL NOT START UNTIL THAT TIME/DATE. CHANGES
INCLUDED TO ALLOW ACCOUNTING FOR CX JOBS AND TO RUN THEM
AT A CHAP PRIORITY LEVEL 0 ON A PRIME 400.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0478-02-33
PROGRAM NAME: TINOUT (TAPEIN/TAPEOUT)
SUBMITTER: DONN TERRY, UNIV OF WASHINGTON AT SEATTLE
HARDWARE REQD: PRIME 200 AND UP W/ AT LEAST 32K, 7/9 TRACK MAGTAPE
SOFTWARE REQD: SPCLIB #0478-03-14
LANGUAGE: FORTRAN
PURPOSE: THIS IS A UTILITY TO READ AND WRITE CARD IMAGES IN SEVERAL DIFFERENT CHARACTER CODES ON 7 OR 9 TRACK MAGTAPE. CURRENTLY SUPPORTS 7 TRACK BCD, 7 TRACK PRIME ACSII, 9 TRACK ASCII, 9 TRACK EBCDIC, 7 TRACK PACKED BINARY EBCDIC (XDS), AND CAN EASILY BE EXTENDED TO ANY OTHER FORMAT IN SPCLIB.

PROGRAM NUMBER: 0378-02-36
PROGRAM NAME: CXSPC
CONTACT: ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, REDLANDS, CALIF.
MR RAYMOND POSTMA
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: TWO MAJOR EXTENSIONS HAVE BEEN ADDED TO THE STANDARD CX SYSTEM. THE FIRST EXTENSION ALLOWS UP TO 9 CX SLAVE USERS TO BE CONTROLLED BY ONE CX MASTER. THE SECOND EXTENSION ALLOWS USERS TO PUT CX COMMAND FILES INTO A HOLD QUEUE FOR LATER RELEASE WHEN NO JOBS ARE RUNNING IN THE FIRST CX QUEUE.

PROGRAM NUMBER: 0678-02-37
PROGRAM NAME: MOUNT
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: P300, REV13, PRIMOS III OR IV
LANGUAGE: FORTRAN
PURPOSE: THE MOUNT COMMAND SENDS A MESSAGE TO THE SYSTEM CONSOLE EVERY 30 SECONDS UNTIL THE MAGTAPE IS READY.

PROGRAM NUMBER: 0678-02-38
PROGRAM NAME: BASE
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: P300, REV13, PRIMOS III OR IV
LANGUAGE: FORTRAN
PURPOSE: BASE IS AN INTERACTIVE PROGRAM THAT CONVERTS BETWEEN OCTAL, DECIMAL, HEXADECIMAL, CHARACTER, AND BINARY. BASE IS LIMITED TO 16 BIT INPUT.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0678-02-39
PROGRAM NAME: SUBAT
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: P300, REV13, PRIMOS III, IV, OR V
LANGUAGE: FORTRAN (NO SOURCE)
PURPOSE: THE SUBAT COMMAND ALLOWS ATTACHING TO A SUBUFD
WITHOUT KNOWING THE PASSWORD, IF ALREADY ATTACHED
AS AN OWNER TO THE FATHER UFD (OR MFD).

PROGRAM NUMBER: 0678-02-40
PROGRAM NAME: CERTIFY
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: P300, PRIMOS III OR IV, REV13
LANGUAGE: FORTRAN
PURPOSE: CERTIFY IS A PROGRAM TO WRITE ON A MAGNETIC TAPE
AND RECORD TEMPORARY AND PERMANENT ERRORS.
AN ERROR REPORT IS PRODUCED.

PROGRAM NUMBER: 0678-02-41
PROGRAM NAME: CATA
CONTACT: WARREN DALE, PRIME AUSTRALIA
HARDWARE: P300, PRIMOS III
LANGUAGE: FORTRAN
PURPOSE: CATA LISTS ALL FILES IN THE CURRENT UFD (DEFAULT)
OR TREE-NAMED UFD. THEY ARE SORTED ALPHABETICALLY WITHIN
SUB FILE TYPE (AS DETERMINED BY NAME) WITHIN FILE TYPE
(AS RETURNED BY THE FILE SYSTEM).

PROGRAM NUMBER: 0678-02-42
PROGRAM NAME: TSPool
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: PRIME 300-500
LANGUAGE: FORTRAN
PURPOSE: TSPool ALLOWS THE USER TO COPY SEVERAL FILES TO THE SPOOL
QUEUE (OR OTHER OPEN FILE UNIT) UNDER THE SAME BANNER.
IT CAN BE USED TO COMBINE FILES. TSPool SUPPORTS TREE-NAMES.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0678-02-43
 PROGRAM NAME: WR80
 CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
 DEPARTMENT, GREENVILLE, SC
 HARDWARE REQD: PRIME 300-500
 LANGUAGE: FORTRAN
 PURPOSE: SPOOLS MULTIPLE COPIES OF BLANK FORMS AND MEMORANDA.
 SUPPORTS SPECIAL FORMS, RUNS VERY EFFICIENTLY.

PROGRAM NUMBER: 0678-02-44
 PROGRAM NAME: DUP
 CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
 DEPARTMENT, GREENVILLE, SC
 HARDWARE REQD: PRIME 300
 LANGUAGE: FORTRAN & APPLIB
 PURPOSE: DUP EASES TRANSITION FROM IBM KEYPUNCH TO PRIME EDITOR.
 DUP PROVIDES A 'PROGRAM CARD' WHICH SUPPORTS THE SKIP
 AND DUP KEYPUNCH FUNCTIONS. DUP COMBINES THE PROGRAM
 CARD AND EDITOR FILE TO CREATE AN INTERPRETED DATA FILE.

PROGRAM NUMBER: 0678-02-45
 PROGRAM NAME: HELP
 CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
 DEPARTMENT, GREENVILLE, SC
 HARDWARE REQD: PRIME 300-500
 LANGUAGE: FORTRAN W/ NEW FILE SYSTEM CALLS
 PURPOSE: THE HELP COMMAND PROVIDES A SIMPLE MEANS OF DISTRIBUTING
 SYSTEM AID, INFORMATION, AND NEWS. HELP WILL LIST
 (23 LINES AT A TIME) INFORMATION FILES FROM THE
 'HELP' UFD.

PROGRAM NUMBER: 0678-02-46
 PROGRAM NAME: ERKI
 CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
 DEPARTMENT, GREENVILLE, SC
 HARDWARE REQD: PRIME 300-500
 LANGUAGE: COBOL
 PURPOSE: ERKI READS AN ASCII FILE AND INTERPRETS ERASE AND KILL
 CHARACTERS. IT IS ESPECIALLY USEFUL IN PRETTYING UP
 COMOUTPUT FILES. THE USER CAN SPECIFY THE ERASE AND KILL
 CHARACTERS AT RUN TIME.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0678-02-47
PROGRAM NAME: DEBUG1
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: PRIME 300-500
LANGUAGE: FORTRAN W/ APPLIB
PURPOSE: DEBUG1 ALLOWS USER TO SPECIFY FORTRAN AND PMA STATEMENTS
'FOR DEBUGGING ONLY'. DEBUG1 ALLOWS THE USER TO PRE-PROCESS
A SOURCE PROGRAM AND SPECIFY WHETHER TO INCLUDE DEBUG
STATEMENTS OR TURN THEM INTO COMMENTS.

PROGRAM NUMBER: 0678-02-48
PROGRAM NAME: LOCK
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: PRIME 400-500
LANGUAGE: FORTRAN
PURPOSE: LOCK PREVENTS ACCESS TO USER TERMINAL UNLESS A
PASSWORD IS SUPPLIED. USER NEED NOT LOGOUT TO DISABLE
TERMINAL.

PROGRAM NUMBER: 0678-02-49
PROGRAM NAME: SETPAP
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: PRIME 300-500
LANGUAGE: FORTRAN W/ FORMS
PURPOSE: ALLOWS FORMS PACKAGE USER TO SPECIFY THE TYPE OF PAPER
TO BE USED WITH SPOOLED OUTPUT. WORKS IN V AND R MODE.
RESTRICTION: CANNOT BE USED WITH THE SHARED FORMS LIBRARY.

PROGRAM NUMBER: 0678-02-50
PROGRAM NAME: ZLIB
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: PRIME 500 OR 400 W/ UII PACKAGE
LANGUAGE: PMA
PURPOSE: ZLIB IS A COLLECTION OF PMA ROUTINES PROVIDING
CHARACTER SERVICES (FIELD MOVES, TRANSLATION, FILLING).
ROUTINES USE POWERFUL P500 INSTRUCTIONS. ROUTINES
INCLUDE: ASCII>EBCDIC, LOWER>UPPER CASE, EBCDIC>ASCII,
A1>A2 FORMAT, MOVE FIELD AND PAD, FILL FIELD, AND
COMPARE FIELD.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0878-02-51
PROGRAM NAME: SPOOL
CONTACT: JEFF ENTWISLE, PRIME MCLEAN
HARDWARE: P300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM IS A MODIFICATION OF THE MPC SPOOLER(15.1).
IT HAS MANY EXTENDED FEATURES TO MAXIMIZE EFFICIENCY
SUCH AS SPOOLING 'N' NUMBER OF COPIES, AND OTHER HANDY
OPTIONS. THIS PROGRAM IS CAPABLE OF DRIVING THE SPOOLER FOR
ANY TYPE OF PRINTER.

PROGRAM NUMBER: 1078-02-52
PROGRAM NAME: DELIVER
CONTACT: LEE BURNS, ISI, 3217 N. ARMISTEAD AVE
HAMPTON, VA 23666
HRDWARE REQD: ANY CPU W/SPOOL
LANGUAGE: FORTRAN
PURPOSE: PROVIDES FOR DELIVERY INFORMATION TO BE PRINTED
ON SPOOLED OUTPUT LISTING. INITIALLY BUILT INTO
VERSATEC DRIVER BUT SINCE ALL PRINTER DRIVERS
FUNCTION IN SIMILAR MANNER IT CAN BE INSTALLED
IN THE SPOOL PHANTOM FOR ANY PRINTER OR PRTR/PLOT.
SOURCE OF PRALnn (DEPENDING ON SYSTEM PRINTER)
MUST BE MODIFIED AND RE-RUN TOGETHER WITH AN
EXTRA SUBROUTINE - DELIVER>DELIVR. C DELIVER
IS THEN RUN TO INSTALL THE COMMAND PORTION
IN CMDNC0.

PROGRAM NUMBER: 1178-02-53
PROGRAM NAME: TAPEIN
CONTACT: KEVIN DAVIDSON, APPALACHIA II DIST. HEALTH DEPT.,
BOX 2507, GREENVILLE SOUTH CAROLINA 29602
HARDWARE REQD: 9 TRACK MAGTAPE
LANGUAGE: PMA & FORTRAN
PURPOSE: ALLOWS COBOL (OR OTHER) LANGUAGE PROGRAMS TO READ,
DEBLOCK AND FIELD SELECTIVELY CONVERT TO ASCII, EBCDIC,
AND BINARY TAPES. TAPEIN IS A V-MODE SUBROUTINE WHICH CAN
HANDLE ONLY 1 TAPE AT A TIME. MAXIMUM TAPE BLOCK LENGTH IS
LIMITED BY PRIMOS OR 10000 WORDS, WHICHEVER IS SMALLER.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 1178-02-54
PROGRAM NAME: GRADE
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY
LONGWOOD AVENUE, BOSTON MASS
HARDWARE REQD: P300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM WORKS IN CONJUNCTION WITH THE HEWLETT PACKARD
CARD READER (#7261A) TO READ AND ANALYZE THE ANSWERS
TO MULTIPLE CHOICE TESTS AS RECORDED BY STUDENTS ON
THE H.P. ANSWER CARDS 9320-2062.

PROGRAM NUMBER: 1178-02-55
PROGRAM NAME: PRAMLC
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY
LONGWOOD AVENUE, BOSTON, MASS
HARDWARE REQD: PRINTRONIX W/ RS232C INTERFACE
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM RUNS IN UFD=SPOOL AND PRINTS FILES ONTO
THE PRINTRONIX PRINTER WHEN IT IS CONNECTED AS AN ASSIGNABLE
AMLC DEVICE.

PROGRAM NUMBER: 1178-02-56
PROGRAM NAME: PRLA36
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY
LONGWOOD AVENUE, BOSTON MASS
HARDWARE REQD: DECWRITER LA-36
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM RUNS IN UFD=SPOOL AND PRINTS FILES ONTO
THE DECWRITER LA-36 WHEN CONNECTED AS AN ASSIGNABLE
AMLC DEVICE.

PROGRAM NUMBER: 1178-02-57
PROGRAM NAME: HP7260
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY
LONGWOOD AVENUE, BOSTON MASS
HARDWARE REQD: HP7260 CARD READER
LANGUAGE: FORTRAN
PURPOSE: THIS UFD CONTAINS A SUBROUTINE THAT DRIVES THE HEWLETT
PACKARD CARD READER #7260A WHEN IT IS CONNECTED AS AN
ASSIGNABLE AMLC DEVICE AS WELL AS A PROGRAM THAT USES THE
SUBROUTINE TO READ A DECK OF CARDS INTO A SPECIFIED FILE.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 1178-02-58
 PROGRAM NAME: FLOW
 CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY
 LONGWOOD AVENUE, BOSTON MASS
 CLARENCE EDWARDS, WISCONSON POWER AND LIGHT
 HARDWARE REQD: P300 W/ 132 PRINT POSITION LP
 LANGUAGE: FORTRAN
 PURPOSE: THIS PROGRAM 'LOOKS' AT A FORTRAN SOURCE FILE AND DRAWS
 ITS FLOW CHART. IT WAS WRITTEN AT IOWA STATE AND HAS BEEN
 MODIFIED TO RUN ON THE PRIME AND TO INCLUDE THE FOLLOWING
 PRIME CAPABILITIES: /*, END=, ERR=, AND \$ STATEMENT NUMBERS.

PROGRAM NUMBER: 1278-02-59
 PROGRAM NAME: REPLY
 CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
 DEPARTMENT, GREENVILLE, SC 29602
 HARDWARE REQD: P350-500
 LANGUAGE: FORTRAN, PMA (REQUIRES APPLIB)
 PURPOSE: PROVIDES SYNCHRONIZATION BETWEEN BATCH JOBS AND
 EXTERNAL PREPARATIONS. PROVIDES 2-WAY COMMUNICATION
 BETWEEN SYSTEM CONSOLE AND RUNNING PROGRAM, COMMAND
 FILE, PHANTOM OR CX JOB. (LIKE IBM'S WTOR)
 RESTRICTIONS: USES SHARED SEGMENT AND SEMAPHORES. SUBROUTINE
 INTERFACE AVAILABLE FOR V-MODE ONLY.

PROGRAM NUMBER: 1278-02-60
 PROGRAM NAME: CYCLE
 CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
 DEPARTMENT, GREENVILLE, SC 29602
 HARDWARE REQD: P350-500
 SOFTWARE REQD: PRIMOS REV14+, REPLY #1278-02-59
 LANGUAGE: FORTRAN, PMA
 PURPOSE: CYCLE PROVIDES FOR MAINTENANCE OF A LIST OF MAGTAPES
 TO BE USED IN SEQUENCE EACH TIME A JOB IS RUN. WHEN THE
 LAST TAPE IS USED, THE LIST IS REUSED. PROVIDES
 AUTOMATIC TAPE MOUNT MESSAGES FOR THE SYSTEM OPERATOR,
 MAINTENANCE AND LISTING SERVICES.
 RESTRICTIONS: LIMITED TO 9 TAPES AND USES SEMAPHORES AND
 SHARED SEGMENT.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 1278-02-61
PROGRAM NAME: FIND
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC 29602
HARDWARE REQD: P300 AND UP
LANGUAGE: FORTRAN
PURPOSE: FIND LISTS ALL ENTRIES IN THE CURRENT UFD WHOSE
NAME BEGINS WITH SUPPLIED CHARACTER STRING
E.G. FIND C_ OR FIND T\$00). ALSO SHOWS WHAT THE
ENTRY IS (SAM FILE, UFD, SAM SEG DIR ETC.)
RESTRICTIONS: WORKS ON NEW STYLE PARTITIONS ONLY

PROGRAM NUMBER: 1278-02-62
PROGRAM NAME: SMAG
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC 29602
HARDWARE REQD: P200 AND UP
SOFTWARE REQD: PRIMOS REV14+
LANGUAGE: FORTRAN
PURPOSE: SMAG IS A STORAGE MODULE ADDRESS GENERATOR THAT COMPUTES
PHYSICAL DEVICE ADDRESSES FOR ALL POSSIBLE PRIME
STORAGE MODULES PARTITIONS - 40, 80, AND 300MB, FIRST OR
SECOND CONTROLLER, ALL 4 UNITS. SMAG IS TUTORIAL AND
INTERACTIVE.

PROGRAM NUMBER: 1278-02-63
PROGRAM NAME: XREF
CONTACT: NAME WITHHELD BY REQUEST
HARDWARE REQD: P400 AND UP
LANGUAGE: COBOL (V-MODE)
PURPOSE: XREF PRODUCES A CROSS-REFERENCE LISTING OF A COBOL PROGRAM
FROM EITHER COBOL SOURCE STATEMENTS OR FROM A COBOL
COMPILATION LISTING.

PROGRAM NUMBER: 1278-02-64
PROGRAM NAME: BIG.ED
CONTACT: JEFF ENTWISLE, PRIME COMPUTER INC., MCLEAN VIRGINIA
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: THIS IS A MODIFIED VERSION OF THE REV 15.3 EDITOR (ED)
THAT WILL HANDLE FILES WITH MORE THAN 32767 LINES.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0179-02-65
PROGRAM NAME: NDUMP
CONTACT: A. PAINE, PRIME COMPUTER, CLEVELAND OHIO
HARDWARE REQD: STD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: NDUMP READS ANY SAM FILE, DISPLAYS CONTENTS IN OCTAL
AND ASCII. OLD USERS WILL NOTICE NO CHANGES TO OPERATION.
NEW USERS WILL USE PRIME NEW STYLE COMMAND LINE FORMATS.
I.E. NDUMP INPUTFILENAME OUTPUTFILENAME -D

PROGRAM NUMBER: 0379-02-66
PROGRAM NAME: CVTIBM
CONTACT: DAVID KYLEN, PA BLUE SHIELD, ERFORD RD.,
CAMP HILL, PENNSYLVANIA 17011
HARDWARE REQD: PRIME 300 AND UP
SOFTWARE REQD: REV 15 OR NEWER COBOL COMPILER
LANGUAGE: COBOL
PURPOSE: THIS PROGRAM CONVERTS IBM/OS COBOL TO PRIME COMPATIBLE
COBOL. CORRECTS ALL MAJOR SYNTAX PROBLEMS ASSOCIATED WITH
COBOL CONVERSIONS. SHOULD BE RUN IN 64V MODE, MAY BE RUN ON A
P300 (RMODE) BUT IS VERY SLOW.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0379-02-67
PROGRAM NAME: UTILIB
CONTACT: DR CRAIG M INGLIS
1420-C POST OAK DRIVE, CLARKSTON, GEORGIA 30021
HARDWARE REQD: P300 AND UP
SOFTWARE REQD: CMILIB - INCLUDED
LANGUAGE: FORTRAN
PURPOSE:
1. FTNCK - SCANS FORTRAN SOURCE FILES AND REPORTS ANY LINES WHICH EXCEED 72 CHARACTERS. PROPERLY INTERPRETS COMMENT LINES AND IN-LINE (/ * . . . * /) COMMENTS.
2. FTNCL - INTERACTIVELY SETS UP A COMMAND FILE WHICH WILL COMPILE, LOAD AND SAVE UP TO 24 FORTRAN MODULES. ALLOWS FOR SPECIFICATION OF -L, -XREFS, AND -64R OPTIONS AND FOR RELOCATION OF COMMON. YOU CAN SPECIFY UP TO 16 LIBRARIES IN UFD>LIB. OBJECT FILES CAN BE AUTOMATICALLY DELETED.
3. FINDF - FINDS AND LISTS ALL ENTRIES IN THE CURRENT UFD, ITS SUB-UFDS, OR (OPTIONALLY) ANYWHERE IN THE FILE SYSTEM WHOSE NAME MATCHES THE SUPPLIED CHARACTER STRING. A MATCH CAN BE DEFINED FOR FULL OR PARTIAL (BEGINNING OR TERMINATING FRAGMENT OR ANYWHERE WITHIN THE NAME). WORKS ON NEW STYLE PARTITIONS ONLY.
4. PAGER - PRINTS A LIST OF (TREENAME) ASCII FILES AT THE TERMINAL WITH PAGE TITLES, DATE, TIME (WALL CLOCK), PAGE NUMBER, LINE NUMBER OF FIRST LINE ON PAGE, FILE NAME, COMMENT. OPTIONS INCLUDE PRINTING \$INSERT FILES, NON-STANDARD PAGE LENGTH, FORM FEED CONTROL, OFFSET COLUMN, AUTOMATIC LOGOUT AFTER PRINTING, SUPPRESSION OF FORTRAN COMMENT LINES.
5. UNSAVE - DELETES A LIST OF FILES. ALL SAM, DAM, AND SEGMENT DIRECTORY TYPE FILES WILL BE PROPERLY DELETED.

PROGRAM NUMBER: 0379-02-68
PROGRAM NAME: SIZE
CONTACT: BARRY BURKE, PRIME COMPUTER INC.,
WELLESLEY, MASS.
HARDWARE REQD: PRIME 350 AND UP
LANGUAGE: FORTRAN
PURPOSE: RETURNS SIZE OF ANY FILE, UFD, OR SEGDIR EITHER IN DISK RECORDS (1024 WDS/REC) OR NORMALIZED (440 WDS/REC) DEPENDING ON A REGISTER SETTING AT LOAD TIME. (CHANGEABLE VIA REST/SAVE).

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0479-02-69
PROGRAM NAME: WHERE
CONTACT: JACK R LEWIS, PRIME COMPUTER INC.,
6001 SAVOY, SUITE 500, HOUSTON, TEXAS 77036
HARDWARE REQD: STANDARD PRIME SYSTEM WITH STORAGE MODULE
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM RETURNS HEAD AND TRACK (FOR MAKE) ON STORAGE
MODULE GIVEN DEVICE SPECIFIER AND RECORD NUMBER. INPUT IS
OCTAL, OUTPUT IS DECIMAL.

PROGRAM NUMBER: 0679-02-70
PROGRAM NAME: PASCII
CONTACT: J.R. CUNNINGHAM, MESCO METAL BUILDINGS,
PO BOX G, GRAPEVINE, TEXAS 76051
(817-481-2501)
HARDWARE REQD: ANY PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: PASCII DISPLAYS THE OCTAL REPRESENTATION OF
ASCII CHARACTERS INPUT FROM A TERMINAL IN LEFT
JUSTIFIED, RIGHT JUSTIFIED, TWO-CHARACTERS-PER-WORD,
OR FOUR CHARACTERS PER 32-BIT WORD. PASCII CAN ALSO
RENDER INPUT IN HEXADECIMAL.

PROGRAM NUMBER: 0679-02-71
PROGRAM NAME: LINKX
CONTACT: J.R. CUNNINGHAM, MESCO METAL BUILDINGS,
PO BOX G, GRAPEVINE, TEXAS 76051
(817-481-2501)
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: LINKX SUPPLIES RPG PROGRAMS WITH THE FUNCTIONALITY
OF RESU\$\$ BY TRAPPING RPGS CALL EXIT LOGIC. THIS
PERMITS ALL FILES TO BE CLOSED AND OUTPUT TO BE
COMPLETED BEFORE LINKING. PRESENTLY RESTRICTED TO SIX
CHARACTER NAMES.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0679-02-72
PROGRAM NAME: KSORT
CONTACT: J.R. CUNNINGHAM, MESCO METAL BUILDINGS,
PO BOX G, GRAPEVINE, TEXAS 76051
(817-481-2501)
HARDWARE REQD: PRIME 350 AND UP
SOFTWARE REQD: V-MODE COBOL
LANGUAGE: FORTRAN AND PMA
PURPOSE: KSORT IS AN EFFICIENT MEANS FOR SORTING TABLES IN
COBOL APPLICATIONS. KSORT COMPARE AND EXCHANGE
OPERATIONS UTILIZE XIS CHARACTER INSTRUCTIONS,
SO PERFORMANCE OF KSORT IS BEST ON SYSTEMS WITH XIS.

PROGRAM NUMBER: 0679-02-73
PROGRAM NAME: ABOUT
CONTACT: J.R. CUNNINGHAM, MESCO METAL BUILDINGS,
PO BOX G, GRAPEVINE, TEXAS 76051
(817-481-2501)
HARDWARE REQD: ANY PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: ABOUT IS AN EXTERNAL COMMAND WHICH PROVIDES PERTINENT
INFORMATION ON USER-SPECIFIED NAMES. INFORMATION
INCLUDES FILETYPE, ACCESS PROTECTION, READ/WRITE LOCK,
DATE/TIME MODIFIED, AND THE FILE SIZE IN RECORDS
AND BYTES.

PROGRAM NUMBER: 0779-02-74
PROGRAM NAME: SPLOPT
CONTACT: PFA MEMBERS SERVICE GROUP
510 S 31ST, BOX 736
CAMP HILL, PENNSYLVANIA 17011
C/O STEPHEN SNYDER
HARDWARE REQD: P350 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS IS A SUBROUTINE FOR INSERTION INTO A 'MENU' TO
ALLOW THE USER TO SPOOL FROM THE MENU (WITH ALL OPTIONS
AVAILABLE) OR TO LIST ON THE SCREEN, STOPPING EVERY 23
LINES OR LISTING CONTINUOUSLY AS FOR PRINTING FORMS
ON AN AUXILLARY PRINTER. RECOMMENDED ONLY FOR V-MODE
AS MENUS TEND TO GET LARGE. ROUTINE WILL RUN IN R-MODE.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 0879-02-75
 PROGRAM NAME: TED
 CONTACT: BRIAN CARR, HARRY DIAMOND LABORATORIES
 2800 POWDER MILL ROAD
 ADELPHI, MARYLAND 20783
 HARDWARE REQD: PRIME 400 AND UP,
 FOX, HAZELTINE, OR ADM-3 TERMINAL
 LANGUAGE: FORTRAN & PMA
 PURPOSE: PRIME SHARED EDITOR WITH CRT DISPLAY CAPABILITIES.
 MAINTAINS DISPLAY ON FOX, HAZELTINE, OR ADM-3 TERMINALS.
 EASILY ADAPTED TO ANY TERMINAL WITH CURSOR ADDRESSING,
 OVERWRITE CAPABILITIES, AND ,PREFERABLY, UPWARD SCROLLING.
 IN TVINFO IS DOCUMENTATION ON HOW TO USE TED, IN INFO IS
 INFORMATION ON HOW TO BRING IT UP.

PROGRAM NUMBER: 1079-02-76
 PROGRAM NAME: SOUND
 CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
 DEPARTMENT, BOX 2507, GREENVILLE, SC 29602
 HARDWARE REQD: ANY CPU SUPPORTING COBOL
 LANGUAGE: COBOL
 PURPOSE: SOUND TAKES A 16-CHARACTER NAME AND REDUCES IT TO A
 5-CHARACTER PHONETIC KEY. IT CAN BE USED IN PHONETIC
 TABLE OR FILE SEARCHES TO LOCATE ITEMS THAT MAY BE
 MISSPELLED, OR TO REDUCE THE KEY SIZE FOR A NAME
 IF SPACE IS AT A PREMIUM.

PROGRAM NUMBER: 1079-02-77
 PROGRAM NAME: PRXSPL
 CONTACT: P.C. HALVERSON, PRESTON SCIENTIFIC INC.,
 805 E. CERRITOS AVE., ANAHEIM, CALIFORNIA 92805
 HARDWARE REQD: PRINTRONIX ON THE CENTRONIX PORT
 LANGUAGE: FORTRAN/PMA
 PURPOSE: PRIME REV 15 SPOOLER MODIFIED TO RUN ON PRINTRONIX LINE
 PRINTER. ENHANCEMENTS INCLUDE FORTRAN OVERPRINT, PAGE TITLES
 AND NUMBERING, COMMAND LINE CONTROL OF NOHEADER, NOEJECT,
 AND DOUBLE FORTRAN OPTIONS. INCREASED LISTING INFORMATION,
 REFORMATTED BANNER PAGE, AND ELIMINATION OF FILE CONFLICTS
 IN SYSTEMS CONFIGURED FOR 1 WRITER AND N READERS, OPTIONS
 MAY BE CHANGED AFTER SPOOLING.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 1079-02-78
 PROGRAM NAME: MAGPAR (MAGNET W/ PARITY)
 CONTACT: LEE BURNS, MS157B, LANGLEY RESEARCH CENTER,
 HAMPTON, VIRGINIA 23665
 HARDWARE REQD: 9 TRACK MAGTAPE ON PRIME 300 AND UP
 LANGUAGE: PATCHES ARE FORTRAN, ORIGINAL CODE WAS FORTRAN AND PMA
 PURPOSE: THIS PATCH ADDS A COMMAND LINE OPTION (-PARITY) TO MAGNET.
 IF THE KEYWORD IS SELECTED AND ASCII IS PROCESSED, THE ASCII
 IS ASSUMED TO BE 8-BIT AND IS CONVERTED APPROPRIATELY FOR THE
 READ/WRITE OPTION SELECTED. ALL ORIGINAL FUNCTIONALITY OF
 MAGNET IS RETAINED. II CONVERTS PRIME ASCII TO CDC (& ETC)
 ASCII.

PROGRAM NUMBER: 1079-02-79
 PROGRAM NAME: UC.SPOOLER
 CONTACT: PERRY GRANT, PRIME COMPUTER INC.,
 18321 VENTURA BLVD., TARZANA, CA 91356
 HARDWARE REQD: P350 AND ABOVE (V-MODE ONLY)
 LANGUAGE: FORTRAN
 PURPOSE: THIS IS A MODIFIED VERSION OF THE STANDARD PRIME SPOOLER
 THAT MAPS LOWER CASE CHARACTERS TO UPPER CASE CHARACTERS
 SUITABLE FOR PRINTING ON 64 CHARACTER FONT (UPPERCASE ONLY)
 PRINTER. THIS ELIMINATES THE NEED TO RUN 'UPCASE' PRIOR
 TO SPOOLING.

PROGRAM NUMBER: 1079-02-80
 PROGRAM NAME: STRING.S
 CONTACT: PERRY GRANT, PRIME COMPUTER INC.,
 18321 VENTURA BLVD., TARZANA, CA 91356
 HARDWARE REQD: PRIME 300 AND ABOVE
 LANGUAGE: FORTRAN
 PURPOSE: STRING.S IS AN EXTERNAL COMMAND THAT SEARCHES ALL TEXT FILES
 IN THE CURRENT UFD FOR A GIVEN CHARACTER STRING OR STRINGS.
 BETWEEN 1 AND 10 TEN CHARACTER STRINGS MAY BE SEARCHED ON IN
 A GIVEN PASS. ALTERNATIVELY, A SINGLE FILE MAY BE SEARCHED
 INSTEAD OF ALL FILES IN THE UFD.

PROGRAM NUMBER: 1079-02-81
 PROGRAM NAME: DATES
 CONTACT: PERRY GRANT, PRIME COMPUTER INC.,
 18321 VENTURA BLVD., TARZANA, CA 91356
 HARDWARE REQD: PRIME 300 AND ABOVE
 LANGUAGE: FORTRAN
 PURPOSE: THIS IS A SET OF TWO FUNCTIONS AND ONE SUBROUTINE THAT
 PROVIDES DAY OF WEEK AND JULIAN DATE GIVEN A DATE EXPRESSED
 AS MONTH-DAY-YEAR.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 1179-02-82
PROGRAM NAME: NEWSPL.A
CONTACT: DON WEYAND, PRIME COMPUTER INC.,
ALBANY, NEW YORK 12205, TEL # 518-4595330
HARDWARE REQD: PRIME 350 AND UP
LANGUAGE: FORTRAN
PURPOSE: MODIFICATION OF THE MPC SPOOLER AT REV16.4. ALLOWS
EASY ALIGNMENT OF SPECIAL FORMS BY THE OPERATOR. VERY
HANDY WHEN MANY SPECIAL FORMS ARE USED. INCLUDES OTHER
FEATURES SUCH AS THE NUMBER OF COPIES, DO NOT PRINT A
FILE UNTIL RELEASED, PUT A FILE ON THE TOP OF THE QUEUE
REGARDLESS OF ANYTHING AND SHOW WHICH FILE IS CURRENTLY
PRINTING. CAPABLE OF DRIVING THE SPOOLER FOR ANY TYPE
OF PRINTER.

PROGRAM NUMBER: 1179-02-83
PROGRAM NAME: DUMP
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: TO DUMP OUT THE TRUE CONTENTS OF A FILE, ONE RECORD
AT A TIME. THE RECORD LENGTH IS ALSO PRINTED ALONG
WITH THE DUMP. THE OUTPUT CAN BE LOOKED AT THE
TERMINAL OR SENT TO A FILENAME. STARTING AND
ENDING RECORD NUMBERS CAN BE SPECIFIED.

PROGRAM NUMBER: 1179-02-84
PROGRAM NAME: TL *Similar to INDEX.*
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: DISPLAYS THE CONTENTS OF THE CURRENT UFD (DOWN TO
THE SPECIFIED LEVEL), SORTED OR UNSORTED, IN A TREENAME
FORMAT THAT LOOKS SIMILIAR TO WHAT MAGSAV OR MAGRST
PUTS OUT. USEFUL FOR DOCUMENTATION PURPOSES. YOU
GET ONE LINE FOR EACH FILE IN THE UFD. THEN YOU
CAN ADD A COMMENT ON EACH LINE AS TO WHAT IS EACH
FILE.

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 1179-02-85
PROGRAM NAME: SAM
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: TO CONVERT A 'DAM' FILE CONTAINING FIXED LENGTH
RECORDS INTO A 'SAM' FILE. THE 'DAM' FILE CAN HAVE
A MAXIMUM RECORD LENGTH OF 1024 BYTES.

PROGRAM NUMBER: 1179-02-86
PROGRAM NAME: DAM
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: TO CONVERT A 'SAM' FILE CONTAINING FIXED LENGTH
RECORDS. THE REQUIRED FIXED RECORD LENGTH IS DEFINED
BY THE USER. MAXIMUM ALLOWED RECORD LENGTH IS
1024 BYTES.

PROGRAM NUMBER: 1179-02-87
PROGRAM NAME: TRIM
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: TO DELETE FILES IN A UFD BY SELECTION. TRIM WILL PROMPT
THE USER WITH EACH FILENAME IN THE UFD AND ASK IF THE
USER WANTS TO DELETE IT. USER HAS THE OPTION TO EITHER
DELETE IT OR NOT. FILENAMES ARE BROUGHT UP IN THE
SAME SEQUENCE AS IN 'LISTF'. ALSO, THE TRIM CAN
BE LIMITED TO FILENAMES THAT BEGIN WITH A CERTAIN
PREFIX (EG. L_, *).

CATEGORY 2 - UTILITIES

PROGRAM NUMBER: 1179-02-88
PROGRAM NAME: REVIEW
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: TO DELETE FILES IN A UFD BY SELECTION. REVIEW WILL PROMPT
THE USER WITH EACH FILENAME IN THE UFD AND ASK IF THE
USER WANTS TO DELETE IT. USER HAS THE OPTION TO EITHER
DELETE IT OR NOT. FILENAMES ARE BROUGHT UP IN ALPHA-
BETIC SEQUENCE. ALSO, THE TRIM CAN BE LIMITED TO
FILENAMES THAT BEGIN WITH A CERTAIN PREFIX
(EG. L_, *).

PROGRAM NUMBER: 1279-02-89
PROGRAM NAME: TAPEDUMP
CONTACT: KEVIN DAVIDSON, APPALACHIA II DISTRICT HEALTH DEPT
PO BOX 2507, GREENVILLE, SOUTH CAROLINA 29602
HARDWARE REQD: PRIME 350 AND UP
LANGUAGE: FORTRAN, COBOL, PMA
PURPOSE: TAPEDUMP PRINTS THE CONTENTS OF A MAGTAPE IN CHARACTER
AND HEXADECIMAL. BLOCKS UP TO 10000 BYTES ARE SUPPORTED.
OPTIONALLY THE TAPES CHARACTERISTICS CAN BE INTERPRETED
AS EBCDIC. TAPE BLOCK LENGTH IS PRINTED.

PROGRAM NUMBER: 0180-02-90
PROGRAM NAME: TIMER
CONTACT: BILL WEHRENBURG, PRIME COMPUTER INC.,
1603 116TH N.E., BELLEVUE, WASHINGTON 98004
HARDWARE REQD: ANY PRIME SYSTEM
LANGUAGE: COBOL
PURPOSE: THE COBOL PROGRAM TIMER RECORDS THE NUMBER OF TIMES
EACH PARAGRAPH IN A COBOL PROGRAM IS EXECUTED AND THE
TOTAL AMOUNT OF RELATIVE CP TIME USED IN THE EXECUTION
OF EACH PARAGRAPH.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: 0280-02-91
PROGRAM NAME: MOVEIT
CONTACT: Mitch Frazier, Hall Talmadge Associates,
6917 E. Thomas Road, Scottsdale, Arizona 85251
HARDWARE REQD: Any Prime CPU
LANGUAGE: PMA
PURPOSE: Move 1 or more memory locations to a new location. Can be used to put data high in memory (past EA) for passing data between programs without using a file. Addressing mode should be the same for all programs in system.

PROGRAM NUMBER: 0280-02-92
PROGRAM NAME: MRGSRC
CONTACT: Mitch Frazier, Hall Talmadge Associates,
6917 E. Thomas Road, Scottsdale, Arizona 85251
HARDWARE REQD: Any Prime CPU
LANGUAGE: Fortran
PURPOSE: This program will merge up to 14 SAM ASCII files according to specified fields (same as sort fields) into a new file. Input files must be sorted. Task is accomplished significantly faster than loading files together and then sorting.

PROGRAM NUMBER: 0380-02-93
PROGRAM NAME: DISKPC
CONTACT: James E. Renouf, Director of Computer Services
The Detroit Lions Inc., NFL Football Club
1200 Featherstone Rd, Box 4200
Pontiac, Michigan 48057
HARDWARE REQD: Any Series 50 System
LANGUAGE: COBOL and FORTRAN
PURPOSE: A highly modified version of the AVAIL command that functions as though AVAIL ZERO, ONE, ... SEVENTEEN were entered. In addition to standard AVAIL responses, DISKPC calculates useable byte capacity and percent available for all configured mass-storage. Runstream compiles in V-MODE, SEGs using RUNIT. Can be modified to use R-MODE on releases prior to 17.X. Automatically copies run version to CMDNC0.

PROGRAM NUMBER: 0380-02-94
PROGRAM NAME: SEM
CONTACT: Kevin Davidson, Q.S., Inc.,
Box 847, Greenville, South Carolina 29602
HARDWARE REQD: Prime 400-500, and 50 Series
LANGUAGE: FORTRAN
PURPOSE: SEM can display, notify or drain all or any selected user semaphore. SEM may be used as a performance monitoring tool for Rev. 16.5 of MIDAS by testing the number of users waiting on the MIDAS semaphore.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: 0380-02-95
PROGRAM NAME: PANEL
CONTACT: Kevin Davidson, Q.S., Inc.,
Box 847, Greenville, South Carolina 29602
HARDWARE REQD: Any Prime CPU supporting FORMS
LANGUAGE: FORTRAN and FORMS
PURPOSE: PANEL can be used to display a PRIME FORMS definition
on the CRT screen. PANEL can interactively switch from form
to form. Supplied version loaded for V-Mode with shared
libraries but can be reloaded to run in R-Mode.

PROGRAM NUMBER: 0680-02-96
PROGRAM NAME: MREBLD
CONTACT: Robert Washburne, AMP Inc., P.O. Box 3608, MS 18-20
Harrisburg, PA 17105
HARDWARE REQD: Prime 350 and up
LANGUAGE: FORTRAN
PURPOSE: MREBLD performs the same function as MPACK, recovering
the disk space taken up by deleted entries in a MIDAS file.
The main difference is that MREBLD uses the magtape unit for
its scratch file thus MREBLD requires very little disk space
to run. MREBLD will pack any keyed access MIDAS file made
with Rev. 16 CREATK. This program will only work on Rev 16 or
later templates. Earlier templates or direct access files
will be rejected by the program.

PROGRAM NUMBER: 0680-02-97
PROGRAM NAME: PCA.UTIL
CONTACT: Rob Charleton, Prime Computer of Australia, 1st floor,
15 Blue Street, North Sydney 2060 Australia
HARDWARE REQD: Prime 150 through Prime 750
LANGUAGE: Mostly FORTRAN
DESCRIPTION: PCA.UTIL is a library of general purpose utility
programs. Package includes an extensive manual (in machine
readable form). Utilities include file handling, inspection
of UFD's, conversion of data types, hard copy terminal
drivers etc.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: 0680-02-98
PROGRAM NAME: MAGNETV
CONTACT: Douglas H. Quebbeman, Greater Clark County Schools,
650 Meigs Avenue, Jeffersonville, Indiana 47130
HARDWARE REQD: Any Prime system running Primos II and up
LANGUAGE: FORTRAN
PURPOSE: MAGNETV is a patched version of rev 16.1 MAGNET that will
read variable length records. This basically amounted to the
removal of existing code which prevented MAGNET from reading
variable length records. Program will prompt for "MAXIMUM
LOGICAL RECORD SIZE" and is otherwise the same as MAGNET.
RESTRICTIONS: Cannot be used to read fixed-length records. The
code could be moved and made into a separate MAGNET option
and call it "RV" for READ-VARIABLE.

PROGRAM NUMBER: 0680-02-99
PROGRAM NAME: MAGNET.GE400
CONTACT: Douglas H. Quebbeman, Greater Clark County Schools,
650 Meigs Avenue, Jeffersonville, Indiana 47130
HARDWARE REQD: Any Prime system running Primos II and up
LANGUAGE: FORTRAN
PURPOSE: This version of MAGNET will read files written by a
GE400 system. The translation table for BCD in routine PMASUB
was changed to handle this peculiar BCM code (no documenta-
tion was available on the translation - but all charaters on
a tape will translate to a PRIME-printable ASCII character).

PROGRAM NUMBER: 0680-02-100
PROGRAM NAME: WILDTRIM
CONTACT: Douglas H. Quebbeman, Greater Clark County Schools,
650 Meigs Avenue, Jeffersonville, Indiana 47130
HARDWARE REQD: Any system running PRIMOS Rev 17+
LANGUAGE: FORTRAN and access to PLP compiler and PRIMOS routine
PRI400>R3S>WILD\$.PL1
PURPOSE: A modified version of TRIM (PULSE #1179-02-87) that
allows the user to optimally specify TRIMMING to be limited
to files that match the supplied WILDCARD name (as opposed to
a string prefix). USAGE: TRIM <wildname>

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: 0680-02-101
PROGRAM NAME: SETATT
CONTACT: Douglas H. Quebbeman, Greater Clark County Schools,
650 Meigs Avenue, Jeffersonville, Indiana 47130
HARDWARE REQD: Any system running PRIMOS Rev 17+
LANGUAGE: FORTRAN and access to PLP compiler and PRIMOS routine
PRI400>R3S>WILD\$.PLI
PURPOSE: This utility may be used to set the file attributes
of the read/write lock and protection codes. All files in the
users directory that match the supplied WILDCARD name will
have either the read/write lock, protection codes, or both
set to the user supplied value. Searches a tree to 60 levels
(default).
USAGE: SETATT <wildname> -RWLOCK <n> -PROTECT <o n>
-LEVELS <n>
allows the user to optimally specify TRIMMING to be limited
to files that match the supplied WILDCARD name (as opposed to
a string prefix). USAGE: TRIM <wildname>

PROGRAM NUMBER: 0680-02-102
PROGRAM NAME: CLEAN
CONTACT: Douglas H. Quebbeman, Greater Clark County Schools,
650 Meigs Avenue, Jeffersonville, Indiana 47130
HARDWARE REQD: Any system running PRIMOS Rev 17+
LANGUAGE: FORTRAN and access to PLP compiler and PRIMOS routine
PRI400>R3S>WILD\$.PLI
PURPOSE: Deletes SRT#, DAM#, COB#, T\$nnn, DO\$Snn, L_, B_,
files from tree, also files matching optionally supplied
<wildname>. L_ and B_ files will be retained if -TEMP is
specified, and no file will be deleted unless -DELETE is speci-
fied. Cleans to 60 levels (default).
USAGE: CLEAN <wildname> -DELETE -TEMP -LEVELS <n>

PROGRAM NUMBER: 0680-02-103
PROGRAM NAME: WILDFIND
CONTACT: Douglas H. Quebbeman, Greater Clark County Schools,
650 Meigs Avenue, Jeffersonville, Indiana 47130
HARDWARE REQD: Any system running PRIMOS Rev 17+
LANGUAGE: FORTRAN and access to PLP compiler and PRIMOS routine
PRI400>R3S>WILD\$.PLI
PURPOSE: A modified version of FIND (Pulse #1278-02-61) that
searches the current directory by a WILDCARD search
instead of a simple string-prefix. This program requires
UPDATE (PULSE #0478-02-31).
USAGE: FIND <wildname>

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: 0680-02-104

PROGRAM NAME: WILDER

CONTACT: Douglas H. Quebbeman, Greater Clark County Schools,
650 Meigs Avenue, Jeffersonville, Indiana 47130

HARDWARE REQD: Any system running PRIMOS Rev 17+

LANGUAGE: FORTRAN and access to PLP compiler and PRIMOS routine
PRI400>R3S>WILD\$.PL1

PURPOSE: This is a short interactive program to accustom a user
to the use of wildcards. A filename and wildname are typed in
and checked for a match. Also included in the UFD is a short
document describing the current state of the PRIME wildcard
standard (determined by examining WILD\$.PL1).

CATEGORY 3 - INPUT AND OUTPUT

PROGRAM NUMBER: 0176-03-01
PROGRAM NAME: DATIO
CONTACT: DENNIS COOK, HARRY DIAMOND LABS, ADELPHI MARYLAND
HARDWARE REQD: BPIOC OR HSBPIOC
ACCURACY: 16 BITS
TIMING: 5K SAMPLE PER SECOND CUMULATIVE
STORAGE REQD: 250 WORDS
LANGUAGE: PMA
PURPOSE: SIMPLE SAMPLE INPUT/OUTPUT SUBROUTINES FOR FORTRAN

PROGRAM NUMBER: 0176-03-02 (REV 1 042376)
PROGRAM NAME: DATIOB
CONTACT: DENNIS COOK, HARRY DIAMOND LABS, ADELPHI MARYLAND
HARDWARE REQD: BPIOC OR HSBPIOC
ACCURACY: 16 BITS
TIMING: 10K SAMPLES/SEC WITH BPIOC
1.2M SAMPLE/SEC WITH HSBPIOC CUMULATIVE
STORAGE REQD: 250 WORDS AND BLOCK STORAGE
LANGUAGE: PMA
PURPOSE: BLOCK DATA INPUT/OUTPUT SUBROUTINES FOR FORTRAN

PROGRAM NUMBER: 0376-03-03
PROGRAM NAME: BURPER
CONTACT: ROBERT BYARD, PRIME COMPUTER, FRAMINGHAM. MASS.
HARDWARE REQD: PRIME 300 + REV 8 DOSVM
VERSETEC 1100A
STORAGE REQD: 2K+
LANGUAGE: FORTRAN
PURPOSE: PRINTS A TEXT FILE CONTAINING UPPER AND LOWER CASE
LETTERING AS WELL AS DIGITS AND OTHER SYMBOLS. NEW
CHARACTERS CAN BE ADDED OR CHANGED BY THE USER. PRINTS
90+ LINES PER PAGE. CODED SO AS TO BE PLACED IN A
CMDNCX FILE. FOR USE TYPE 'BURPER FILNAM', CHARACTER
SIZE IS RESTRICTED TO AN 8X8 BIT MATRIX.

CATEGORY 3 - INPUT AND OUTPUT

PROGRAM NUMBER: 0476-03-04
PROGRAM NAME: GPHELP (GRAPH-HELP)
CONTACT: DENNIS COOK, HARRY DIAMOND LABS, ADELPHI MARYLAND
HARDWARE REQD: ANY PRIME CPU
TEKTRONIC 4010 OR 4014
(CURSER INQUIRY STRAPPED TO CR POSITION)
OR IMLAC PDS-4
STORAGE REQD: 4K WORDS - TYPICAL
LANGUAGE: FORTRAN
PURPOSE: INTERACTIVE GRAPHICS SUPPORT FOR TEKTRONIC AND IMLAC
TERMINALS. FORTRAN SUBROUTINE LIBRARY TO DRAW VECTORS
IN ABSOLUTE, RELATIVE, SCREEN, OR USER COORDINATES
TO SCALE DATA AND DRAW AXIES LINEAR, LOG OR SEMILOG
AND TO DO SUB-PICTURE MANIPULATUION WITH THE IMLAC
TERMINALS.

PROGRAM NUMBER: 0976-03-05
PROGRAM NAME: ZETA
CONTACT: DON MARKS, PRIME COMPUTER, TARZANA CALIFORNIA
HARDWARE REQD: PRIME 300 AND ZETA TYPE PLOTTER
LANGUAGE: FORTRAN AND PMA
PURPOSE: THIS IS A PLOTTER PACKAGE FOR ZETA TYPE PLOTTERS.
WITH AN INTERFACE ON A GPI BOARD. THIS PACKAGE RUNS
UNDER PRIMOS II.

PROGRAM NUMBER: 0976-03-06
PROGRAM NAME: PTC-5
CONTACT: DON MARKS, PRIME COMPUTER, TARZANA CALIFORNIA
HARDWARE REQD: PRIME 300, HUSTON TYPE PLOTTER WITH A
SERIAL INTERFACE MODEL PTC-5
LANGUAGE: FORTRAN
PURPOSE: THIS IS PLOTTER PACKAGE FOR THE HUSTON INSTRUMENTS
TYPE PLOTTERS.

PROGRAM NUMBER: 1176-03-07
PROGRAM NAME: STRING
CONTACT: JIM DAVIS, PRIME COMPUTER, TARZANA CALIFORNIA
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: TO EMULATE BASIC STRING FUNCTIONS IN FORTRAN.
THESE ROUTINES ALLOW THE USER TO WORK WITH ARRAYS AS IF THEY
WERE STRINGS. THESE WORK WELL WITH SYSTEM CALLS TNOU AND
TNOUA.

CATEGORY 3 - INPUT AND OUTPUT

PROGRAM NUMBER: 1176-03-08
PROGRAM NAME: VT55GP
CONTACT: DR RALPH EPSTEIN, PRESBYTERIAN HOSP., NEW YORK
HARDWARE REQD: PRIME SYSTEM AND DEC VT55 GRAPHIC TERMINAL
LANGUAGE: FORTRAN
PURPOSE: DRIVER, LIBRARY COMMAND FILE, AND THREE TEST CASES FOR RUNNING THE DEC VT55 GRAPHIC TERMINAL.

PROGRAM NUMBER: 0277-03-09
PROGRAM NAME: DILOT
CONTACT: PRIME COMPUTER, FRAMINGHAM, MASS
HARDWARE REQD: PRIME CPU, TEKTRONIX 4010 OR OTHER GOULD OR VERSATEC ELECTROSTATIC PRINTER/PLOTTER.
LANGUAGE: FORTRAN
PURPOSE: DILOT (DEVICE INDEPENDENT PLOT PACKAGE) IS DESIGNED TO ALLOW THE USER TO DIRECT HIS PLOTTER OUTPUT TO ANY ONLINE PLOTTER USING THE INDUSTRY ACCEPTED CALCOMP CALLING SEQUENCE. THE PACKAGE CURRENTLY HAS 2 MODES OF OPERATION: IMMEDIATE AND DEFERRED. IN THE IMMEDIATE PLOT MODE, PLOTTER OUTPUT GENERATED BY THE PROGRAM IS PLOTTED ON A TEXTRONIX 4010 TERMINAL CONNECTED TO THE SYSTEM AS EITHER THE USER TERMINAL OR ON AN ASSIGNABLE AMLC LINE. IN THE DEFERRED PLOT MODE, ALL PLOTTER OUTPUT IS WRITTEN TO A FILE WHICH THEN MAY BE PLOTTED ON A HARD-COPY DEVICE. AT THE PRESENT TIME, THE ONLY DEVICES SUPPORTED FOR HARDCOPY OUTPUT ARE THE VERSATEC AND GOULD ELECTROSTATIC PRINTER/PLOTTER.

PROGRAM NUMBER: 0277-03-10
PROGRAM NAME: ADS980
CONTACT: PRIME COMPUTER INC., NEW YORK, NY
HARDWARE REQD: ADDS-920/980 CRT RUNNING FROM 110 TO 2400 BAUD OFF A STANDARD PRIME RS-232/C OR 20MA CURRENT LOOP AMLC. CRT MUST BE EQUIPPED WITH PRIME CURSOR POSITIONING OPTION.
LANGUAGE: FORTRAN AND PMA
PURPOSE: THIS PACKAGE CONSISTS OF A COLLECTION OF SUBROUTINES WRITTEN EXCLUSIVELY IN FORTRAN THAT REPLACE AND SUPPLEMENT THE STANDARD INTERACTIVE TERMINAL PORTION OF IOCS.

PROGRAM NUMBER: 0777-03-11
PROGRAM NAME: SPLPTX
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MA
HARDWARE REQD: P300 W/ 32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM IS USED TO COPY A USERS FILE INTO THE UFD=SPOOL WHERE IT WILL BE PRINTED AUTOMATICALLY ON THE PRINTRONIX PRINTER BY THE PHANTOM PROGRAM PRPTX.

CATEGORY 3 - INPUT AND OUTPUT

PROGRAM NUMBER: 0777-03-12
PROGRAM NAME: PRPTX
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MA
HARDWARE REQD: P300 W/ 32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM PRINTS ON THE PRINTRONIX PRINTER FILES BEGINNING WITH THE LETTERS PRNT WHICH RESIDE IN THE UFD=SPOOL. IT CONSTANTLY LOOKS FOR FILES AND PRINTS THEM WHEN FOUND.

PROGRAM NUMBER: 0777-03-13
PROGRAM NAME: O\$PTX
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MA
HARDWARE REQD: P300 W 32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS SUBROUTINE IS PRIME'S STANDARD O\$AL04 TO MOVE DATA TO THE CENTRONIX PRINTER MODIFIED SO THAT IT PRINTS ON THE PRINTRONIX. THE SUBROUTINE PRINTS THE REQUIRED NUMBER OF CHARACTERS (AS SPECIFIED IN THE CALL STATEMENT) DOES NOT INVESTIGATE ANY OF THE CHARACTERS, AND RETURNS TO THE MAIN PROGRAM WHICH CALLED IT.

PROGRAM NUMBER: 0478-03-14
PROGRAM NAME: SPCLIB
SUBMITTER: DONN TERRY, UNIV OF WASHINGTON AT SEATTLE
HARDWARE REQD: PRIME 200 AND UP W/ 32K MEMORY
SOFTWARE REQD: IOCS AND UPDATE # 0478-02-31
LANGUAGE: PMA (ASSEMBLER)
PURPOSE: PROVIDES I/O DRIVERS FOR SEVERAL OTHER TAPE PACKING FORMATS (IBM PACKED BINARY, 7 TRACK, RAYTHEON, VARIAN). ALLOWS SELECTIVE INCLUSION OF ANY DEVICE DRIVER (PRIME/USERS) IN A FORTRAN PROGRAM AS AN ARBITRARY UNIT NUMBER.

PROGRAM NUMBER: 0678-03-15
PROGRAM NAME: BUFMTY
SUBMITTER: KEVIN W DAVIDSON, APPALACHIA II DISTRICT HEALTH DEPARTMENT, BOX 2507, GREENVILLE, SOUTH CAROLINA
HARDWARE REQD: P300-500
LANGUAGE: PMA
PURPOSE: BUFMTY IS A FORTRAN LOGICAL FUNCTION WHICH RETURNS .TRUE. IF THE TTY INPUT BUFFER IS EMPTY AND .FALSE. OTHERWISE. THIS ROUTINE ALLOWS THE CALLING PROGRAM TO TEST FOR INPUT FROM THE TTY WITHOUT GOING INTO A WAIT.

CATEGORY 3 - INPUT AND OUTPUT

PROGRAM NUMBER: 1278-03-16
PROGRAM NAME: KPLOT3
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC 29602
HARDWARE REQD: P300 AND UP
LANGUAGE: FORTRAN
PURPOSE: KPLOT3, USING A LINE PRINTER, PLOTS UP TO SEVEN
SETS OF DATA (USING DIFFERENT SYMBOLS) ON A SINGLE
SET OF AXES. PROVIDES AUTOMATIC OR MANUAL SCALING
OF DATA. USER CAN SUPPLY PLOT TITLE AND VARIABLE NAMES.
RESTRICTIONS: DATA PASSED TO KPLOT3 THROUGH SUBROUTINE
CALL. UP TO 7 SETS OF DATA PER PLOT. MUST BE COMPILED
USING -INTL OPTION. LINE PRINTER MUST SUPPORT FORTRAN
CARRIAGE CONTROL.

PROGRAM NUMBER: 0679-03-17
PROGRAM NAME: PTC-5A
CONTACT: EILEEN B. JONES, HOUSTON INSTRUMENTS,
ONE HOUSTON SQUARE, AUSTIN TEXAS 78753
HARDWARE REQD: HOUSTON PTC5A CONTROLLER
LANGUAGE: FORTRAN
PURPOSE: HOUSTON INSTRUMENT UTILITY PLOTTING SUBROUTINE
PACKAGE FOR THE PTC-5A CONTROLLER. WORKS WITH PRIMOS
AND FORTRAN COMPILER.

PROGRAM NUMBER: 1079-03-18
PROGRAM NAME: O\$AA01
CONTACT: JIM WARD, PRIME COMPUTER INC.,
2479 E. BAYSHORE RD., SUITE 820, PALO ALTO, CALIFORNIA 94303
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS VERSION OF O\$AA01 IS A REPLACEMENT FOR THE IOCS DRIVER
BY THE SAME NAME AS SUPPLIED BY PRIME. THIS VERSION
CONTAINS THE FOLLOWING ADDITIONS:
o FORTRAN FORMAT CONTROL
o PAGE CONTROL, SIMILIAR TO THAT PROVIDED BY O\$AL06
o PAGE EJECT (SCREEN CLEAR) AT END OF PAGE.
O\$AA01 IS UPWARD COMPATIBLE WITH THE PRIME SUPPLIED VERSION.

CATEGORY 3 - INPUT AND OUTPUT

PROGRAM NUMBER: 1179-03-19
PROGRAM NAME: DISP
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: DISPLAYS THE CONTENTS OF A FILE ON THE SCREEN, 23
LINES AT A TIME. SORT OF LIKE 'SLIST' BUT ONLY 23 LINES
AT A TIME WITH AN OPTION TO CONTINUE OR NOT.

CATEGORY 4 - MATH AND STATISTICAL

PROGRAM NUMBER: 0376-04-01
PROGRAM NAME: PI
CONTACT: RAYMOND HOPP, H K METALCRAFT, LODI NEW JERSEY
HARDWARE REQD: PRIME 300
ACCURACY: DOUBLE PRECISION
LANGUAGE: FORTRAN
PURPOSE: MULTIPLY PI BY A VALUE

PROGRAM NUMBER: 0376-04-02
PROGRAM NAME: RAD
CONTACT: RAYMOND HOPP, H K METALCRAFT, LODI NEW JERSEY
HARDWARE REQD: PRIME 300
ACCURACY: DOUBLE PRECISION
LANGUAGE: FORTRAN
PURPOSE: CONVERTS DECIMAL DEGREES TO RADIANS

PROGRAM NUMBER: 0376-04-03
PROGRAM NAME: DEG
CONTACT: RAYMOND HOPP, H K METALCRAFT, LODI NEW JERSEY
HARDWARE REQD: PRIME 300
ACCURACY: DOUBLE PRECISION
LANGUAGE: FORTRAN
PURPOSE: CONVERTS RADIANS TO DECIMAL DEGREES

PROGRAM NUMBER: 0376-04-04
PROGRAM NAME: DACOS
CONTACT: RAYMOND HOPP, H K METALCRAFT, LODI NEW JERSEY
HARDWARE REQD: PRIME 300
ACCURACY: DOUBLE PRECISION
LANGUAGE: FORTRAN
PURPOSE: SOLVES FOR ARC COSINE

PROGRAM NUMBER: 0376-04-05
PROGRAM NAME: DASIN
CONTACT: RAYMOND HOPP, H K METALCRAFT, LODI NEW JERSEY
HARDWARE REQD: PRIME 300
ACCURACY: DOUBLE PRECISION
LANGUAGE: FORTRAN
PURPOSE: SOLVES FOR ARC SIN

CATEGORY 4 - MATH AND STATISTICAL

PROGRAM NUMBER: 0376-04-06
 PROGRAM NAME: DCBRT
 CONTACT: RAYMOND HOPP, H K METALCRAFT, LODI NEW JERSEY
 HARDWARE REQD: PRIME 300
 KLANGUAGE: FORTRAN
 PURPOSE: SOLVES FOR + AND - CUBE ROOT

PROGRAM NUMBER: 0376-04-07
 PROGRAM NAME: CUBIC (REV. 052876)
 CONTACT: RAYMOND HOPP, H K METALCRAFT, LODI NEW JERSEY
 HARDWARE REQD: PRIME 300, TELEPRINTER OR CRT
 LANGUAGE: FORTRAN
 PURPOSE: FUNCTION SOLUTION FOR CUBIC EQUATION IN THE FORM OF
 $Y^3 + PY^2 + RY + Q = 0$
 SUBR REQD: FORTRAN LIB, MATH LIB, MATH FUNCTIONS DCBRT, DACOS, PI
 (FUNCTIONS INCLUDED)
 RESTRICTIONS: POSSIBLE ERROR MIGHT OCCUR FOR SOLUTION FOR VERY SMALL
 NEGATIVE VALUE OF $E = (B^2/4) + (A^3/27)$ WHICH SOLVE FOR
 $Y=3$ REAL ROOT AT LEAST 2 OF WHICH WILL BE EQUAL.

PROGRAM NUMBER: 0376-04-08
 PROGRAM NAME: CUBIC (REV. 052876)
 CONTACT: RAYMOND HOPP, H K METALCRAFT, LODI NEW JERSEY
 HARDWARE REQD: PRIME 300, TELEPRINTER OR CRT
 LANGUAGE: FORTRAN
 PURPOSE: NON FUNCTION PRINTOUT VERSION OF CUBIC
 SUBR REQD: FORTRAN LIB, MATH LIB, MATH FUNCTIONS DCBRT, DACOS, PI
 (FUNCTIONS INCLUDED)
 RESTRICTIONS: POSSIBLE ERROR MIGHT OCCUR FOR SOLUTION FOR A VERY
 SMALL NEGATIVE VALUE OF $E = (B^2/4) + (A^3/27)$ WHICH
 SOLVE FOR $Y=3$ REAL ROOT AT LEAST 2 OF WHICH WILL BE
 EQUAL.

PROGRAM NUMBER: 0476-04-09
 PROGRAM NAME: FFTR
 CONTACT: DENNIS COOK, HARRY DIAMOND LABS, ADELPHI MARYLAND
 HARDWARE REQD: P300
 LANGUAGE: FORTRAN
 PURPOSE: FFTR IS A FAST FOURIER TRANSFORM ROUTINE FOR REAL
 NUMBERS.

CATEGORY 4 - MATH AND STATISTICAL

PROGRAM NUMBER: 0476-04-10
PROGRAM NAME: FOUR1
CONTACT: DENNIS COOK, HARRY DIAMOND LABS, ADELPHI MARYLAND
HARDWARE REQD: P300
LANGUAGE: FORTRAN
PURPOSE: FOUR1 IS A FAST FOURIER TRANSFORM ROUTINE FOR COMPLEX NUMBERS.

PROGRAM NUMBER: 0876-04-11
PROGRAM NAME: SSP (SCIENTIFIC SUBROUTINE PACKAGE)
CONTACT: NAME WITHHELD BY REQUEST
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: IBM SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE VERSION III PROGRAM NUMBER 360A-CM-03X. THEY ARE DESCRIBED IN DETAIL IN THE PROGRAMMERS MANUAL #GH20-0205-4 AVAILABLE THROUGH IBM BRANCH OFFICES.

PROGRAM NUMBER: 0477-04-12
PROGRAM NAME: LLANDS
CONTACT: JACK CRAMER, WIDE-LITE CORP., SAN MARCOS, TX
HARDWARE REQD: P400
LANGUAGE: PMA
PURPOSE: ADDITION TO VFTNLB TO PROVIDE 32-BIT LOGICAL AND SHIFT FUNCTIONS. CONTAINS IAND, IOR, IXOR, AND LSHFTL (LOGICAL), LSHFTA (ARITHMETIC), LSHFTC (CIRCULAR).

PROGRAM NUMBER: 0477-04-13
PROGRAM NAME: TAN, DTAN
CONTACT: JACK CRAMER, WIDE-LITE CORP., SAN MARCOS, TX
HARDWARE REQD: ANY
LANGUAGE: FORTRAN IV
PURPOSE: SINGLE AND DOUBLE PRECISION TANGENT FUNCTIONS. VALUE RETURNED AT POLES OF FUNCTION ($N \cdot \pi / 2$, $N = \pm 1, 3, \dots$) IS MAXIMUM REPRESENTABLE WITH SIGN DETERMINED BY THE IMPLIED DIRECTION OF APPROACH.

PROGRAM NUMBER: 0477-04-14
PROGRAM NAME: ASNCS
CONTACT: JACK CRAMER, WIDE-LITE CORP., SAN MARCOS, TX
HARDWARE REQD: ANY
LANGUAGE: FORTRAN IV
PURPOSE: SINGLE PRECISION ARCSINE AND ARCCOSINE (PRINCIPAL VALUES)

CATEGORY 4 - MATH AND STATISTICAL

PROGRAM NUMBER: 0777-04-15
PROGRAM NAME: PLOT
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MASS
HARDWARE REQD: P300 W/ 32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM IS MEANT TO BE USED FOR PLOTTING DATA POINTS ON THE PRINTRONIX PRINTER. IT CAN PLOT AS IF ON REGULAR GRAPH PAPER, SEMI-LOG OR LOG-LOG PAPER. IT CAN PLOT PAIRS OF NUMBERS, OR SINGLE NUMBERS (VS. THE INTEGERS)

PROGRAM NUMBER: 0777-04-16
PROGRAM NAME: PLDEQ
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHARMACY, BOSTON MA
HARDWARE REQD: P300 W/ 32K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM ALLOWS THE USER TO TYPE IN A FUNCTION AND IT WILL GENERATE DATA APPROPRIATE TO THE FUNCTION WITHIN RANGES SPECIFIED BY THE USER. IF THE USER TYPES A DIFFERENTIAL EQUATION THE COMPUTER WILL SOLVE IT AND GENERATE A SPECIFIED NUMBER OF DATA POINTS OF THE SOLUTION FUNCTION. THE DATA IS PRINTED INTO AN OUTPUT FILE IN SUCH A WAY THAT IS IN THE PROPER FORMAT FOR THE PLOT PROGRAM.
IN THIS WAY A USER CAN HAVE THE COMPUTER GRAPH (ON THE PRINTRONIX PRINTER) AND/OR ANALYZE DATA CORRESPONDING TO A FUNCTION OR DIFFERENTIAL EQUATION.

PROGRAM NUMBER: 0578-04-17
PROGRAM NAME: MEASURE
CONTACT: J RUSSELL DOWNING, FLOATING POINT SYSTEMS, PORTLAND OREGON
HARDWARE REQD: PRIME 400
LANGUAGE: FORTRAN AND PMA
PURPOSE: THIS DIRECTORY CONTAIN FIVE PROGRAMS PERTAINING TO SYSTEM PERFORMANCE MONITORING. THE INTENT IS TO ALLOW SYSTEM RESPONSE TIME MONITORING. TO RUN THESE PROGRAMS WILL REQUIRE A MODIFICATION TO PRIMOS IV.

CATEGORY 4 - MATH AND STATISTICAL

PROGRAM NUMBER: 0977-04-18
PROGRAM NAME: LMLRE
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHAR., BOSTON MASS
HARDWARE REQD: STANDARD PRIME SYSTEM
SOFTWARE REQD: MCPLIB (PULSE # 0777-02-18)
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM PERFORMS A MULTIPLE LINEAR REGRESSION ON UP TO 99 OBSERVAIONS ON UP TO 40 VARIABLES. IT PRINTS OUT THE MATRIX OF CORRECTED SUMS OF SQUARES AND CROSS PRODUCTS, THE GAUSSIAN MULTIPLIERS, THE SAMPLE PARTIAL CORRELATION COEFFICIENTS, THEIR STANDARD ERRORS, AN ANALYSIS OF VARIANCE, THE BEST COEFFICIENTS AND A STEP DOWN REGRESSION.

PROGRAM NUMBER: 0977-04-19
PROGRAM NAME: GAUSS
CONTACT: DR FRED PARMENTER, MASS COLLEGE OF PHAR., BOSTON MASS
HARDWARE REQD: STANDARD PRIME SYSTEM
SOFTWARE REQD: MCPLIB (PULSE # 0777-02-18)
LANGUAGE: FORTRAN
PURPOSE: ESTIMATES THE COEFFICIENTS OF A NON-LINEAR EQUATION SUCH AS $Y=A/(X+B)**2$ OR $Y=AX**B+C$. MODIFIED FROM PROGRAM BY F.S. WOOD (SHARE PROGRAM LIB # 360D-13.6.007)

PROGRAM NUMBER: 0977-04-20
PROGRAM NAME: PLTRES
CONTACT: DR FRED PARMETER, MASS COLLEGE OF PHAR., BOSTON MASS
HARDWARE REQD: STANDARD PRIME SYSTEM
SOFTWARE REQD: MCPLIB (PULSE # 0777-02-18)
LANGUAGE: FORTRAN
PURPOSE: THE PROGRAM TAKES DATA CONSISTING OF UP TO 20 INDEPENDENT X'S, OBSERVED Y'S AND CALCULATED Y'S (UP TO 170 OBSERVATIONS) AND PRINTS A CUMULATIVE DISTRIBUTION GRAPH, A CUMULATIVE FREQUENCY GRAPH AND A RESIDUALS VS. EACH OF THE INDEPENDENT VARIABLES GRAPH.

PROGRAM NUMBER: 0779-04-21
PROGRAM NAME: AMORT
CONTACT: PFA MEMBERS SERVICE GROUP
510 S 31ST STREET, BOX 736
CAMP HILL, PENNSYLVANIA 17011
C/O STEPHEN SNYDER
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS IS A THREE OPTION AMORTIZATION SCHEDULE GENERATOR. OPTIONAL UNKNOWN QUANTITY, MONTHLY PAYMENT, # MONTHS, OR ORIGINAL PRINCIPAL. DEVELOPED FROM PROGRAM MORGAG.

CATEGORY 4 - MATH AND STATISTICAL

PROGRAM NUMBER: 0979-04-22
PROGRAM NAME: TVLR
CONTACT: STEVEN SOHN, PRIME COMPUTER INC.,
40 WALNUT ST., WELLESLEY, MASS. 02181
HARDWARE REQD: PRIME 350 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS PACKAGE ENABLES THE USER TO PERFORM A QUICK AND
COMPREHENSIVE ANALYSIS ON PAIRED X Y DATA. THIS ANALYSIS,
TAKES THE FORM OF A REGRESSION ANALYSIS, WITH ALL OF THE
IMPORTANT MEASURES OF PRECISION INCLUDED. ALSO, A SAMPLE
ANALYSIS ON EACH VARIABLE IS ALSO PERFORMED. FINALLY, A
PLOT IS INCORPORATED SO THAT VIEWING OF THE DATA, AND THE
TREND, CAN BE DONE.

PROGRAM NUMBER: 1179-04-23
PROGRAM NAME: XTAB
CONTACT: KEVIN DAVIDSON, MANAGER M.I.S.
APPALACHIA II DISTRICT HEALTH DEPT.
BOX 2507, GREENVILLE, SOUTH CAROLINA 29602
HARDWARE REQD: PRIME 350 AND UP (MUST HAVE XISUII)
LANGUAGE: COBOL/PMA (ZLIB PGM # 0678-02-50)
PURPOSE: XTAB IS A TABULATION PACKAGE FOR ONE OR TWO WAY
DATA TABULATION. SIMPLE INPUT PARAMETERS YIELD REPORT
SUITABLE FOR PRINTING WITHOUT ADDITIONAL ANNOTATION.
RECORD SELECTION IS SUPPORTED. EXCELLENT FOR SURVEY
DATA, AFFIRMATIVE ACTION PLANS AND POPULATION STUDIES.

CATEGORY 5 - APPLICATIONS PACKAGES

PROGRAM NUMBER: 1277-05-02
PROGRAM NAME: STRESS
CONTACT: LEW BRENTANO, PRIME WELLESLEY
HARDWARE REQD: P300/400
LANGUAGE: FORTRAN
PURPOSE: STRESS IS A PROGRAM DESIGNED FOR THE SOLUTION OF STRUCTURAL ENGINEERING PROBLEMS. INPUT TO THE PROGRAM IS IN THE TERMS OF STATEMENTS DESCRIBING THE STRUCTURE IN ENGINEERING TERMS. STRESS CAN PERFORM LINEAR ANALYSIS OF ELASTIC STATICALLY LOADED STRUCTURES COMPOSED OF MEMBERS WHICH CAN BE ANALYZED AS LINE ELEMENTS. THIS VERSION OF STRESS, WHICH RUNS ON A PRIME 300 OR PRIME 400 SYSTEM, IS VERSION 3.2 AND THE DOCUMENTATION PROVIDED REFLECTS THIS LEVEL.

PROGRAM NUMBER: 0178-05-03
PROGRAM NAME: SPICE REV. 2E.1C 031279
CONTACT: MIKE PAYNE, PRIME COMPUTER, FRAMINGHAM MA
HARDWARE REQD: PRIME 400 OR 500 WITH AT LEAST 256 K BYTES
LINEPRINTER FOR OUTPUT
LANGUAGE: FORTRAN
PURPOSE: SPICE IS A CIRCUIT ANALYSIS PROGRAM WHICH PERFORM AC, DC AND TRANSIENT ANALYSIS OF ELECTRONIC CIRCUITS.
**THIS PROGRAM WILL BE UPDATED AS ENHANCEMENTS BECOME AVAILABLE.

PROGRAM NUMBER: 0378-05-04
PROGRAM NAME: GASPII
CONTACT: LEW BRENTANO, PRIME WELLESLEY
HARDWARE REQD: PRIME 300/400
LANGUAGE: FORTRAN
PURPOSE: GASPII IS A FORTRAN BASED DISCRETE SIMULATION LANGUAGE, EASY TO USE, MODIFY, AND IS MODULAR IN DESIGN. GASPII PROVIDES THE NECESSARY FUNCTIONAL CAPABILITIES REQUIRED TO SIMULATE:
1. EVENT CONTROL.
2. INFORMATION STORAGE AND RETRIEVAL.
3. SYSTEM STATE INITIALIZATION.
4. SYSTEM PERFORMANCE DATA COLLECTION.
5. PROGRAM MONITORING AND EVENT REPORTING.
6. STATISTICAL COMPUTATIONS AND REPORT GENERATION.
7. RANDOM VARIABLE GENERATION.

CATEGORY 5 - APPLICATIONS PACKAGES

PROGRAM NUMBER: 0378-05-06
PROGRAM NAME: MSINC
CONTACT: WILLIAM DOME, PRIME COMPUTER, FRAMINGHAM MASS
HARDWARE REQD: PRIME 400/500 W/ 500K MEMORY
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM IS A MOS SIMULATOR

PROGRAM NUMBER: 0378-05-07
PROGRAM NAME: PCOGO
CONTACT: PERRY GRANT, PRIME COMPUTER, TARZANA CALIFORNIA
HARDWARE REQD: PRIME 300 AND UP WITH 192 KB MEMORY
LANGUAGE: FORTRAN, O/S AT LEAST 14.2
PURPOSE: THIS IS A COORDINATE GEOMETRY PROGRAM BASED ON THE IBM 1130/1620 VERSION AND EXPANDED BY CHARLES SELLS INC. IT HAS AN INTERACTIVE OPTION THAT IS USED TO PREPARE SURVEY MAPS, PLOT MAPS AND THE LIKE.

PROGRAM NUMBER: 0378-05-08
PROGRAM NAME: CSMP (CONTINUOUS SYSTEM MODELING PACKAGE)
SUBMITTER: DEMETRIUS PROMBONUS, WORC POLYTECHNIC INST, WORCESTER MA
HARDWARE REQD: PRIME 400 W/ AT LEAST 256KB, 1 40MB DISC
LANGUAGE: FORTRAN
PURPOSE: PERFORMS ANALYSIS AND SUMMARY OF CONTINUOUS SYSTEM PERFORMANCE. SYSTEMS ARE MODELED A DIFFERENTIAL AND/OR INTEGRAL EQUATIONS. IT ALLOWS CREATION OF PROGRAM MODULES AND WILL ANALYZE NON-LINEAR AND TIME VARIANT SYSTEMS.

PROGRAM NUMBER: 0678-05-09
PROGRAM NAME: TMS
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: P400 PRIMOS IV, REV 13
LANGUAGE: COBOL
PURPOSE: TMS IS A TAPE LIBRARY MANAGEMENT SYSTEM WHICH MAINTAINS A CATALOG OF MAGNETIC TAPES. IT KEEPS TRACK OF TAPE USAGE, AND EXPIRATION DATES, ASSIGN TAPES FOR USE, LISTS TAPE USAGE, PRINTS HELP INFORMATION, ADDS AND DELETES TAPES FROM THE LIBRARY, LISTS TAPES THAT ARE ABOUT TO EXPIRE, AND REASSIGNS EXPIRED TAPES.

CATEGORY 5 - APPLICATIONS PACKAGES

PROGRAM NUMBER: 0678-05-10
PROGRAM NAME: PRTX
CONTACT: DAVID L. SHEALY, UNIV OF ALABAMA IN BIRMINGHAM
HARDWARE REQD: P400/300
LANGUAGE: FORTRAN
PURPOSE: A COLLECTION OF SOFTWARE MODULES IS MADE AVAILABLE TO FACILITATE THE USE OF PRINTRONIX 300 PRINTER FOR GRAPHICAL DISPLAYS. THE SUBROUTINES ARE CALLABLE FROM FORTRAN AND ARE DESIGNED TO ACCOMMODATE USERS OF THE PEN PLOTTER SYSTEMS OF ZETA, CALCOMP, BENSON-LEHNER AND HOUSTON INST, OR THE MATRIX PRINTERS OF VERSATEC.

PROGRAM NUMBER: 0678-05-11
PROGRAM NAME: DYNAMO
CONTACT: JOHN PARKINSON, PRIME U. K.
HARDWARE: P300 AND UP
LANGUAGE: FORTRAN
PURPOSE: A CONTINUOUS MODEL SIMULATION PROGRAM, DYNAMO WAS DESIGNED TO ANALYZE DYNAMIC FEEDBACK MODELS OF BUSINESS, ECONOMIC AND SOCIAL SYSTEMS AND CAN BE USED TO ANALYZE ANY CONTINUOUS SYSTEM. ORIGINAL DESIGN OF DYNAMO WAS DONE BY THE INDUSTRIAL DYNAMICS GROUP AT M. I. T.

PROGRAM NUMBER: 1178-05-13
PROGRAM NAME: SAP-IV
CONTACT: LARRY FEESER, CHMN, DEPT OF CIVIL ENG., RENSSELAER POLYTECHNIC INSTITUTE, DEPT OF CIVIL ENG., TROY, NEW YORK
HARDWARE REQD: PRIME 350 AND UP W/ 320 KB MEMORY
MAGNETIC TAPE, LINE PRNTER, CRT
LANGUAGE: FORTRAN AND PRIMOS (64V MODE)
PURPOSE: THIS IS THE MAINFRAME VERSION OF SAP-IV WITH ALL FEATURES INCORPORATED IN THE PRIME VERSION. THE CURRENT I/O LOGIC CAUSES SLOWER EXECUTION SPEEDS THAN EXPECTED, RPI IS WORKING TO IMPROVE THIS FEATURE.

CATEGORY 5 - APPLICATIONS PACKAGES

PROGRAM NUMBER: 1278-05-14
PROGRAM NAME: ORDER
CONTACT: NANCY SWISTAK, COMPUTER TECHNIQUES, 1015 N. MAIN ST.
SCRANTON, PENNSYLVANIA 18504
HARDWARE REQD: LINE PRINTER, CRT W/ CURSOR ADDRESSING
LANGUAGE: PMS III WITH MIDAS
PURPOSE: THIS APPLICATION PACKAGE IS A COMPLETE ORDER ENTRY-INVOICING
PROCEDURE THAT GENERATES PICKING LISTS, INVOICES, TRANSACTION
FILE ENTRIES, PROFIT DATA, AND INVENTORY AVAILABILITY DATA IN
A MULTIPLE USER ENVIRONMENT. IT IS A PACKAGE THAT CAN BE RUN
BY THE INEXPERIENCED USER AND STILL PRODUCES MEANINGFUL
MANAGEMENT DECISION LEVEL DATA. IT INTERFACES WITH BOTH AN
INVENTORY AND ACCOUNTS RECEIVABLE SYSTEMS.

PROGRAM NUMBER: 1278-05-15
PROGRAM NAME: RETAIL
CONTACT: NANCY SWISTAK, COMPUTER TECHNIQUES, 1015 N. MAIN ST.
SCRANTON, PENNSYLVANIA 18504
HARDWARE REQD: LINE PRINTER AND CRT W/ CURSOR ADDRESSING
LANGUAGE: PMS III WITH MIDAS
PURPOSE: THIS RETAILERS PACKAGE CONSISTS OF FIVE SEPARATE APPLICATIONS
AVAILABLE IN ONE MAIN PROGRAM. THESE APPLICATIONS ENCOMPASS
A VARIETY OF FUNCTIONS THAT MAKE THE DAILY ACCOUNTING AND
REPORTING FUNCTIONS OF A RETAIL STORE CONSIDERABLY EASIER,
MORE EFFICIENT AND TIME SAVING.

PROGRAM NUMBER: 0179-05-16
PROGRAM NAME: SWMM
CONTACT: TIM ALTMAN, PRIME COMPUTER, ATLANTA GA
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: STORM WATER MANAGEMENT MODEL IS A MODELING AID USED IN
PLANNING ABATEMENT ALTERNATIVES DUE TO OVERFLOWS OF STORM/
SEWER RUNOFFS. CERTIFIED BY SPA. DOCUMENTATION AVAILABLE
FOR USE..SEE SWMMINFO FILE.

CATEGORY 5 - APPLICATIONS PACKAGES

PROGRAM NUMBER: 0679-05-17
PROGRAM NAME: CANTWE
CONTACT: J.R. CUNNINGHAM, MESCO METAL BUILDINGS,
PO BOX G, GRAPEVINE, TEXAS 76051
(817-481-2501)
HARDWARE REQD: PRIME 350 AND UP
LANGUAGE: V-MODE COBOL
PURPOSE: THIS IS A COBOL SUBPROGRAM WHICH CONVERTS A DOLLAR
AMOUNT SUPPLIED BY THE HOST COBOL PROGRAM TO ENGLISH
WORDS FOR USE AS A CHECK PROTECTION TEXT IN CHECK
WRITING APPLICATIONS FOR EXAMPLE. PROTECTION IS VALID
BEYOND \$1,000,000.00 (MAX: \$1,103,322).

PROGRAM NUMBER: 0879-05-18
PROGRAM NAME: ARCHIVAL
CONTACT: VIRGINIA ANSTINE, AMP INC., HARRISBURG, PA 17111
HARDWARE REQD: PRIME 400 +
LANGUAGE: FORTRAN
PURPOSE: THE ARCHIVAL SYSTEM WAS ORIGINALLY WRITTEN TO FREE DISK
SPACE BY REMOVING THOSE FILES REQUIRING NO FURTHER
MODIFICATION. FILES ARE EASILY SAVED ON MAGNETIC TAPE AND
NEVER PURGED.
FILES AND SINGLE LEVEL UFD'S CAN BE SAVED WITH THE COMMAND
'ASAVE NAME'. SEGMENTED DIRECTORIES MUST BE MOVED TO ARCHIVAL
SYSTEM ON REQUEST.
USER MAY LIST THEIR ENTRIES TO ARCHIVAL WITH THE COMMAND
'ALISTF'. AT THIS TIME, INFORMATION PERTAINING TO LOCATION
ON TAPE IS LISTED ALONG WITH ENTRY NAMES.
SYSTEM MAINTENANCE REQUIRES PERIODICALLY SAVING SYSTEM ON
MAGNETIC TAPE (MAGSAV).

PROGRAM NUMBER: 0979-05-19
PROGRAM NAME: ARS\$\$\$
CONTACT: NANCY SWISTAK, COMPUTER TECHNIQUES, INC.,
1015 NORTH MAIN AVENUE, SCRANTON, PENNSYLVANIA 18504
HARDWARE REQD: PRIME 300+, CRT WITH CURSOR ADDRESSING
LANGUAGE: PMS-III (COMPUTER TECHNIQUES INC)
PURPOSE: THIS BALANCE FORWARD ACCOUNTS RECEIVABLE SYSTEM IS AN
INTERACTIVE PACKAGE THAT IS WRITTEN IN PMSIII. IT PRODUCES
ALL THE NECESSARY DAILY AND MONTHLY REPORTS FOR THE RUNNING
OF A BUSINESS. THERE ARE FIFTEEN DIFFERENT MODULES IN THIS
SYSTEM. EACH OF THEM FILLS A SPECIFIC REQUIREMENT FOR
ACCURATE REPORTING OF THE ACCOUNTS RECEIVABLE DATA.

CATEGORY 5 - APPLICATIONS PACKAGES

PROGRAM NUMBER: 0979-05-20
PROGRAM NAME: PPS\$\$\$
CONTACT: NANCY SWISTAK, COMPUTER TECHNIQUES, INC.,
1015 NORTH MAIN AVENUE, SCRANTON, PENNSYLVANIA 18504
HARDWARE REQD: PRIME 300+, CRT WITH CURSOR ADDRESSING
LANGUAGE: PMS-III (COMPUTER TECHNIQUES INC)
PURPOSE: THE PAYROLL PERSONNEL SYSTEM IS A COMPREHENSIVE PACKAGE
THAT PRODUCES THE ACCURATE EMPLOYEE, TIME DATA, AND
PAYROLL INFORMATION THAT IS ESSENTIAL TO THE RUNNING OF
EVERY BUSINESS. IT IS A USER INTERACTIVE SYSTEM THAT IS
WRITTEN IN PMSIII AND USES MIDAS FOR QUICK DATA ENTRY
AND ACCESS. IT ALSO PRODUCES PRODUCTION REPORTS FOR USE
IN A MANUFACTURING ENVIRONMENT SO THAT MANAGEMENT CAN
MAKE TIME-EFFICIENT AND COST-EFFECTIVE DECISIONS.

CATEGORY 6 - DIAGNOSTICS

PROGRAM NUMBER: 0678-06-01
PROGRAM NAME: PAGE
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT HEALTH
DEPARTMENT, GREENVILLE, SC
HARDWARE REQD: P400, REV 14
LANGUAGE: FORTRAN, PMA
PURPOSE: PAGE WILL MONITOR THE SYSTEM PAGE FAULT MONITOR (PFCN)
AND WILL PERIODICALLY PRINT SAMPLE FAULTING RATES AND
CUMULATIVE STATISTICS.

PROGRAM NUMBER: 1179-06-02
PROGRAM NAME: CALLBY
CONTACT: KEVIN DAVIDSON, MANAGER M.I.S.
APPALACHIA II DISTRICT HEALTH DEPT.
BOX 2507, GREENVILLE, SOUTH CAROLINA 29602
HARDWARE REQD: PRIME 350 AND UP
LANGUAGE: PMA
PURPOSE: THIS FACILITY ALLOWS ANY V-MODE SUBROUTINE TO PRINT
OUT THE PROCEDURE STACK, STACK AND LINK BASES OF ITS
CALLER. WITH LOADER MAP SUBROUTINE CALLS CAN BE TRACED.

PROGRAM NUMBER: 0280-06-03
PROGRAM NAME: WATCH
CONTACT: J.F. KERRIGAN, DECISION SCIENCES CORPORATION
PO BOX 1010, JENKINTOWN, PENNSYLVANIA 19046
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS SUBROUTINE CALCULATES ELAPSED, CPU, AND DISK I/O
TIME BETWEEN CALL WATCH STATEMENTS AND REPORTS THESE
TIMES WITH A USER-SUPPLIED MESSAGE TO THE FILE/DEVICE
OF THE USERS CHOICE. SUBROUTINE IS USEFUL IN BENCHMARKING
PROGRAMS AND ITSELF TAKES ABOUT 0.015 CPU SECONDS TO
EXECUTE PER CALL.

CATEGORY 7 - EXECUTIVES AND CONTROLLERS

PROGRAM NUMBER: 0878-07-01
PROGRAM NAME: EXEC1
CONTACT: JOEL JENNINGS, PRIME COMPUTER, NEWTON, MASS
HARDWARE REQD: PRIME 400
LANGUAGE: FORTRAN
PURPOSE: WILL EXECUTE A COMMAND FILE WHILE REPLACING IN-LINE
ESCAPE CHARACTERS WITH COMMAND LINE ARGUMENTS.

PROGRAM NUMBER: 1178-07-02
PROGRAM NAME: INTEL
CONTACT: DAVID KASHNOW, MASS COLLEGE OF PHARMACY,
LONGWOOD AVENUE, BOSTON, MASS
HARDWARE REQD: P300 AND UP WITH AN INTEL 8080 WITH RS232
LANGUAGE: FORTRAN
PURPOSE: INTEL IS A UFD CONTAINING THE FOLLOWING PROGRAMS:
1. 8080 ASSEMBLER - THIS PROGRAM ASSEMBLES FILES CREATED
WITH THE PRIME EDITOR INTO CODE WHICH CAN BE USED BY THE
PROGRAM MLOAD TO LOAD AN INTEL'S 8080 MEMORY.
2. MLOAD - THIS PROGRAM READS A FILE AND LOADS THE MICRO
INTEL 8080 WITH ITS CONTENTS.
3. MDUMP - THIS PROGRAM READS THE CONTENTS OF THE INTEL
8080'S MEMORY AND DUMPS IT TO A FILE ON THE PRIME. THE
FORMAT OF THE FILE IS SIMILIAR TO THE FILE CREATED BY THE
8080 ASSEMBLER AND READ BY MLOAD.
4. MINTER - THIS PROGRAMS ALLOWS A USER TO INTERACT WITH THE
INTEL 8080 MICRO WHEN ASSIGNED AS AN AMLC DEVICE. CHARACTERS
TYPED AT THE TERMINAL ARE SENT TO THE MICRO, AND CHARACTERS
SENT FROM THE MICRO ARE DISPLAYED ON THE TERMINAL.

PROGRAM NUMBER: 1179-07-03
PROGRAM NAME: EX
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: MAKES POSSIBLE SETTING UP OF A SYSTEM WIDE COMMAND
FILES THAT CAN BE ACCESSED BY ANYONE ON THE SYSTEM
FROM ANYWHERE ON THE SYSTEM. PERMITS PASSING OF
COMMAND LINE ARGUMENTS INTO THE COMMAND FILE.

CATEGORY 8 - COMMUNICATIONS

PROGRAM NUMBER: 0277-08-01
PROGRAM NAME: AMLCMO
CONTACT: JEFF ENTWISLE, PRIME COMPUTER, MCLEAN VIRGINIA
HARDWARE: STANDARD PRIME SYSTEM WITH AMLC
LANGUAGE: FORTRAN
PURPOSE: AMLCMO IS A SIMPLE TWO WAY COMMUNICATIONS PROGRAM
FOR RETRIEVING FILES FROM A FOREIGN REMOTE COMPUTER OR
ANOTHER PRIME SYSTEM.

CATEGORY 9 - OTHER

PROGRAM NUMBER: 0778-09-01
PROGRAM NAME: ROW*
CONTACT: KEVIN W. DAVIDSON, APPALACHIA II DISTRICT
HEALTH DEPARTMENT, GREENVILLE, SC
HARDWARE: ANY CPU WITH 64-CHARACTER 600 LPM DATA PRTR ONLY.
PURPOSE: ADD PAZZAZ TO YOUR COMPUTER CENTER TOURS.
SPOOL THIS FILE AND SIT BACK. YOU WOULD NOT BELIEVE SUCH
SOUNDS COULD COME FROM A LINE PRINTER.

PROGRAM NUMBER: 1179-09-02
PROGRAM NAME: CAL
CONTACT: VENU RAO, DIRECTOR OF D.P.
HOWE-BAKER ENGINEERS INC., P.O. BOX 956
TYLER, TEXAS 75710
HARDWARE REQD: PRIME 400 AND UP
LANGUAGE: FORTRAN
PURPOSE: GENERATES THE CALENDAR FOR ANY MONTH, MONTHS OR YEAR
IN THE TWENTIETH CENTURY. THE OUTPUT CAN BE DISPLAYED
IN A GOOD LOOKING FORMAT ON THE SCREEN OR SENT TO A
FILENAME FOR SPOOLING.

CATEGORY 10 - GAMES

PROGRAM NUMBER: 0376-10-01
PROGRAM NAME: WUMPUS
CONTACT: ROBERY BYARD, PRIME COMPUTER, FRAMINGHAM MASS.
HARDWARE REQD: PRIME 300 AND TELEPRINTER
LANGUAGE: BASIC
PURPOSE: A GAME FOR HUNTING THE WUMPUS THROUGH A MAZE OF INTERCONNECTED CAVES LINKED BY TUNNELS. THE PLAYER AVOIDS THE PITS AND BATCAVES TO LOCATE THE WUMPUS (BY SMELL) AND SHOOTS IT WITH A SUPPLY OF FIVE CROOKED ARROWS.

PROGRAM NUMBER: 0476-10-02
PROGRAM NAME: BACKGA (BACKGAMMON)
CONTACT: JEFF MILLAR, CODEX CORP., NEWTON MASS.
HARDWARE REQD: P300, TELEPRINTER (PREFERABLY CRT)
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM PLAYS BACKGAMMON WITH A TERMINAL USER. THE PROGRAM DETERMINES THE NEXT MOVE BASED ON CURRENT CONDITIONS AND A EVALUATION OF THE RESULTS OF THE MOVE. THE QUALITY OF PLAY IS AVERAGE AND THE PROGRAM WILL WIN 30 TO 40 PERCENT OF THE TIME AGAINST A GOOD PLAYER. A KNOWLEDGE OF BACKGAMMON IS ASSUMED AND WOULD PROBRABLY BE DETRIMENTAL TO THE USER IF NOT KNOWN. INCLUDED IN THE OFFERING IS A COMMAND FILE TO GENERATE A RUN MODULE NAMED S_BACK.

PROGRAM NUMBER: 0477-10-03
PROGRAM NAME: SSTREK
CONTACT: JACK CRAMER, WIDE-LITE CORP., SAN MARCOS, TX
HARDWARE REQD: P400 (P300?)
LANGUAGE: FORTRAN IV
PURPOSE: UNIVERSITY OF TEXAS SUPER STAR TREK. AS WRITTEN, IT REQUIRES LLANDS(Q.V.). THIS PROGRAM COULD PROBABLY BE CONVERTED FOR A P300, BUT THIS IS NO SMALL TASK. SOURCE CODE IS APPROXIMATELY 6000 LINES. INCLUDES INSTRUCTIONS FOR PLAY. A MARVELOUS EXAMPLE OF HOW TO CONSTRUCT AN INTERACTIVE PROGRAM - ALSO GREAT FUN, AND MILDLY ADDICTIVE.

CATEGORY 10 - GAMES

PROGRAM NUMBER: 0679-10-04
PROGRAM NAME: TWOLIFE
CONTACT: DAVID R MARGOLIS, CREATIVE INDUSTRIES OF DETROIT,
3080 EAST OUTER DRIVE, DETROIT, MICHIGAN 48234
HARDWARE REQD: P400 AND UP
SOFTWARE REQD: FTNLIB, APPLIB
LANGUAGE: FORTRAN
PURPOSE: TWO-LIFE IS A VERSION OF THE ORIGINAL LIFE SIMULATION
DESCRIBED IN SCIENTIFIC AMERICAN, OCTOBER 1970.
A 20X50 ARRAY IS USED AND IS DISPLAYED EACH GENERATION
AS IT EVOLVES.

PROGRAM NUMBER: 0679-10-05
PROGRAM NAME: ONELIFE
CONTACT: DAVID R MARGOLIS, CREATIVE INDUSTRIES OF DETROIT,
3080 EAST OUTER DRIVE, DETROIT, MICHIGAN 48234
HARDWARE REQD: P400 AND UP
SOFTWARE REQD: FTNLIB, APPLIB
LANGUAGE: FORTRAN
PURPOSE: ONE DIMENSIONAL LIFE IS A SHORT VERSION OF STANDARD
LIFE EACH GENERATION IS REPRESENTED BY ONE OUTPUT LINE
OF 50 CELLS. THE CELL NEIGHBORHOOD CONSISTS OF THE FOUR
CELLS NEAREST EACH CELL.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: 0580-10-06
PROGRAM NAME: SUPERLIFE
CONTACT: David R. Marcolis, Creative Industries of Detroit,
3080 East Outer Dr., Detroit, Michigan 48234
HARDWARE REQD: Prime 350 and up
LANGUAGE: FORTRAN
PURPOSE: SUPERLIFE is a deluxe version of the life simulation.
Without exiting the program, the user may create and change
LIFE files, save data on disk, process data and restore life
data from disk. Commands include: Create, Edit, Restore,
Save, Destroy, Run, Sample, Info, Help, Maintenance,
Terminal, Print, Display, and Comment.

CATEGORY 11 - LOGIN-ACCOUNTING

PROGRAM NUMBER: 0979-11-01
PROGRAM NAME: LOGIN.UFD
CONTACT: ROLAND KITTREDGE, PRIME COMPUTER INC.,
40 WALNUT STREET, WELLESLEY MASS.
HARDWARE REQD: PRIME 350 AND UP
LANGUAGE: FORTRAN
PURPOSE: LOGIN.UFD IS A SERIES OF PROGRAMS THAT PROVIDES THE
CAPABILITY TO VALIDATE LOGIN NAMES, PRINT A MESSAGE
ON LOGIN, PRINT PERIODIC USER STATISTICS, DETERMINE
CPU TYPE AND MEMORY SIZE.

PROGRAM NUMBER: 0378-11-02 (REV. 05/79)
PROGRAM NAME: ACCOUNT
CONTACT: JEFF ENTWISLE, PRIME INC., MCLEAN VIRGINIA
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM FUNCTIONS AS THE INTERFACE TO THE
OPERATING SYSTEM AND CONSISTS OF THREE RELATED SOFTWARE
ITEMS:
1. LOGIN/LOGOUT
2. MAINTENANCE AND REPORTING OF ACCOUNTING DATA
3. USER TO USER MESSAGE TRANSFER

PROGRAM NUMBER: 0478-11-03
PROGRAM NAME: LOGIN (LOGIN/MAIL)
SUBMITTER: DONN TERRY, UNIV OF WASHINGTON AT SEATTLE
HARDWARE REQD: PRIME 300 AND UP
SOFTWARE REQD: CXDEFR IS USEFUL FOR RUNNING PERIODIC SUMMARIES. UPDATE
IF SPOOLER ACCOUNTING IS DONE.
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM PROVIDES THE FOLLOWING CAPABILITIES:
1. PROVIDES A LOGIN PROCESSOR WHICH KEEPS ACCOUNTING
INFORMATION AND VALIDATES USER LOGIN NAMES.
2. ALLOWS ONE USER TO SEND MAIL TO ANOTHER USER.
3. ALLOWS A MULTI-LINE MESSAGE OF THE DAY TO BE PRINTED OUT
AUTOMATICALLY ON LOGIN.
4. ACCOUNTING PROGRAMS ARE PROVIDED TO PRODUCE WEEKLY AND
MONTHLY BILLS INCLUDING SPOOLER PAPER CHARGES.

CATEGORY 11 - LOGIN-ACCOUNTING

PROGRAM NUMBER: 0478-11-04
PROGRAM NAME: ACCTG (ACCOUNTING PACKAGE)
SUBMITTER JAMES STEINBERG, TRANS. SYS. CTR., CAMBRIDGE MASS
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS PROGRAM PROVIDES FULL ACCOUNTING CAPABILITIES
FOR PRIMOS III. USERS ARE ASSIGNED NAMES, PASSWORDS
AND CHARGE NUMBERS. INCLUDES A PROGRAM FOR COMPUTING
USAGE CHARGES BY ACCOUNT NUMBER.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ALGOL
CONTACT: WOOTTON, JEFFREYS & PARTNERS
CEMETARY PALES, BROOKWOOD, WOKING
SURREY, GU24 OBL, ENGLAND
C/O MR JOHN HENDERSON
HARDWARE REQD: PRIME SYSTEM
LANGUAGE: UNKNOWN AT THIS TIME
REQUEST PROC: ALGOL CAN BE OBTAINED BY CONTACTING
MR JOHN HENDERSON AT THE ABOVE ADDRESS. ALL NEGOTIATIONS
ARE BETWEEN THE REQUESTOR AND WOOTTON,
JEFFREYS, & PARTNERS. THE APPROXIMATE COST IS
3000.00 BRITISH POUNDS.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: HIGH SPEED SORT-MERGE
CONTACT: MR DON KEST
AMERICAN PRINTING & LABEL COMPANY
737 CARNEGIE AVENUE
CLEVELAND, OHIO 44115
TELEPHONE 216-2415508
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
REQUEST PROC: SORT-MERGE CAN BE OBTAINED BY CONTACTING MR DON KEST AT THE
ABOVE ADDRESS. ALL NEGOTIATIONS ARE BETWEEN THE REQUESTOR
AND AMERICAN PRINTING & LABEL COMPANY. THE APPROXIMATE COST
IS \$1500.00.
DESCRIPTION: ORIGINALLY DEVELOPED TO HANDLE SEQUENTIAL TRANSACTION FILES
OF AN INVENTORY CONTROL SYSTEM, THE SORT-MERGE SYSTEM HAS
BEEN EXPANDED WITH THE ADDED FEATURES TO ACHIEVE GENERAL
APPLICABILITY. THE SYSTEM HANDLES ACSII FILES WITH
COMPRESSED OR UNCOMPRESSED RECORDS, AND BINARY FILES WITH
FIXED LENGTH OR VARIABLE LENGTH RECORDS. OUTPUT FILES CAN BE
SAM OR DAM TYPE. MAXIMUM RECORD SIZE IS OVER 5000 WORDS, AND
MAXIMUM FILE SIZE IS NOT LIMITED BY THE SORT-MERGE. KEY
TYPES FOR ASCII RECORDS ARE ALPHANUMERIC AND NUMERIC, KEY
TYPES FOR BINARY RECORDS INCLUDE INTEGER, DOUBLE PRECISION
INTEGER, REAL, DOUBLE PRECISION REAL, UNSIGNED INTEGER,
BYTE, AND BIT. COLLATING SEQUENCE IS USER CHANGEABLE.
RECORDS WITH EQUAL KEY VALUES RETAIN THEIR RELATIVE ORDER.
THE SORT-MERGE CAN BE RUN FROM A TERMINAL, A COMMAND FILE,
OR BY THE BATCH PROCESSOR, AND IT CAN INTERACT WITH USER
WRITTEN PROGRAMS. IT OPERATES FROM AN EASILY PREPARED
SPECIFICATION FILE. TYPICAL EXECUTION SPEED FOR SORTING AN
ASCII FILE WITH 80 CHARACTER RECORDS IS OVER 5 TIMES GREATER
THAN THE SPEED OF THE PRIME SUPPLIED SORT AS OF REVISION 14.
THE BASIC FULL RECORD SORT-MERGE PROGRAMS USE LESS THAN 32K
WORDS OF MEMORY. ALSO INCLUDED IN THE SYSTEM ARE A 64K FULL
RECORD SORT-MERGE OPTION, A TAG-SORT OPTION, AND A MERGE
OPTION.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: *MDI/LIB - *CPYLIB
CONTACT: MANAGEMENT DIRECTIONS INC
57 LONGUEVUE DRIVE
PITTSBURGH, PENNSYLVANIA 15228
C/O MR GEORGE TAYLOR
TELEPHONE # 412-323-2341
DESCRIPTION: *MDI/LIB IS A COLLECTION OF COMMANDS AND APPLICATION
ROUTINES FOR INTERACTIVE COBOL PROGRAM SUPPORT.
*CPY/LIB IS A GROUP OF MODULES TO BE COPIED INTO A
COBOL PROGRAM TO SUPPORT *MDI/LIB SUBROUTINE CALLS.
COST: THE COST OF THE ABOVE PACKAGES WILL BE QUOTED UPON REQUEST.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: SUPERSUE
CONTACT: LOGIC WORLD INC.
108 UNION STREET
SCHNECTADY, NEW YORK 12305
DEAN M BOUTON, 518-3931345
HARDWARE REQD: PRIME 300 WITH 64K IS MINIMUM
PURPOSE: A MULTI-PASS SYSTEM FOR SCHEDULING STUDENTS INTO A SCHOOLS
MASTER SCHEDULE, PRODUCING ANALYTICAL SUMMARY REPORTS FOR
MASTER SCHEDULE IMPROVEMENT ADJUSTMENTS. PRODUCES INDIVIDUAL
STUDENT SCHEDULES AND CLASS LISTS, AS WELL AS A VARIETY OF
OTHER OPERATIONAL REPORTS.
COST: PRICE FOR THIS PACKAGE WILL BE QUOTED UPON REQUEST.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ALICE
CONTACT: ALICE ASSOCIATES, 29 WELLESLEY AVENUE, NATICK, MASS 01760
HARDWARE REQD: DOS OR DOSVM, DISK AND TTY
ACCURACY: SUMS SINGLE PRECISION, SUMS AND SUMS OF SQUARES, DOUBLE
PRECISION FOR STATISTICAL ROUTINES.
TIMING: RUN DEPENDENT, REASONABLY EFFICIENT
STORAGE REQD: DOS, MINIMUM 40K FOR ALMOST NO DATA, MAX 64K, DOSVM N/A
LANGUAGE: 99.9 PERCENT FORTRAN, SMALL PMA MODULE FOR
INITIALIZATION.
PURPOSE: A SYSTEM FOR THE MANIPULATION AND STATISTICAL
ANALYSIS OF MULTI-DIMENSIONAL DATA.
COST: \$500.00

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: A2\$IO
CONTACT: CEEXEC, INC
8301 GREENSBORO DR., SUITE 900
MCLEAN, VIRGINIA 22102
C/O MICHAEL KONOPATSKY
TELEPHONE 703-7341700
HARDWARE REQD: PRIME SYSTEM WITH FORMS
LANGUAGE: FORTRAN
REQUEST PROC: LISTING OR TAPE AVAILABLE
PURPOSE: ALL NEGOTIATIONS ARE BETWEEN THE REQUESTOR AND CEEXEC, INC.
A2\$IO PERMITS THE LEAR-SIEGLER ADM-2 DISPLAY TO BE
SUPPORTED BY THE FORMS TRANSACTION PROCESSING PACKAGE.
IT IS WRITTEN TO CONFORM TO PRIME SPECIFICATIONS. DRIVERS
AVAILABLE FOR OTHER SIMILIAR TERMINALS.
COST: PRICE FOR THIS PACKAGE WILL BE QUOTED UPON REQUEST

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: INFO
CONTACT: MR. JIM WILLCOX
 HENCO, INC.
 20 WALNUT STREET
 WELLESLEY, MASS 02181
 TELEPHONE 617-2374156
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
REQUEST PROC: INFO CAN BE OBTAINED BY CONTACTING MR JIM WILLCOX
 AT THE ABOVE ADDRESS. ALL NEGOTIATIONS ARE BETWEEN
 THE REQUESTOR AND HENCO INC.

DESCRIPTION:

INFO IS A COMPLETE APPLICATION DEVELOPMENT LANGUAGE.
INCLUDED ARE COMPREHENSIVE DATA ENTRY, DATA UPDATE, QUERY,
AND REPORT GENERATION CAPABILITIES. INFO WAS DESIGNED FOR
SIMPLICITY OF USE WITHOUT SACRIFICING THE POWER AND FLEXI-
BILITY NEEDED TO HANDLE MOST APPLICATIONS ON A TOTALLY SELF-
CONTAINED BASIS.

DEMONSTRATIONS CAN BE SEEN IN MOST PRIME OFFICES.

FEATURES INCLUDE:

1. COMPLETE DATA ENTRY SCREEN CAPABILITIES.
2. INTERFACES WITH EXISTING PRIMOS FILES, IN-
CLUDING MIDAS FILES.
3. EASE OF USE BY NON-DATA PROCESSING PEOPLE FOR QUERY
AND REPORT GENERATION ON NEW OR EXISTING FILES.
4. SPEEDS APPLICATION DEVELOPMENT BY AN ORDER OF
MAGNITUDE OVER CONVENTIONAL LANGUAGES.
5. PROTECTION DOWN TO FIELD LEVEL.
6. COMPLETE BOOLEAN (AND/OR) RECORD SELECTION.
7. HANDLES UP TO 16,000,000 RECORDS.
8. ALL THAT IS NEEDED FOR SMALL COMMERCIAL USERS.
9. FITS INTO LARGE DATA PROCESSING OPERATIONS.
10. ACCOUNTING PACKAGES ARE AVAILABLE IN INFO.

COST: ONLY \$5000.00

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE (SEE BELOW)
PROGRAM NAME: PILOT
CONTACT: DR. G.N. GILBERT
UNIVERSITY OF SURREY, DEPT. OF SOCIOLOGY,
GUILDFORD SURREY GU2 5XH ENGLAND
TELEPHONE 0483 71281
HARDWARE: P300 AND UP
LANGUAGE: FORTRAN AND PMA
PURPOSE: PILOT IS AN EASILY LEARNED AND SIMPLE, YET POWERFUL
LANGUAGE FOR USE WITH PROGRAMS HANDLING TEXT INPUT AND OUTPUT
INTERACTIVELY. IT IS WIDELY USED IN COMPUTER AIDED
INSTRUCTION APPLICATIONS. THE SOFTWARE FULLY CONFORMS TO
THE STANDARD SPECIFICATION KNOWN AS 'PILOT-73'.
AVAILABILITY: FREE TO EDUCATIONAL AND NON-PROFIT ORGANIZATIONS
THROUGH PULSE.
NEGOTIABLE TO OTHERS THROUGH DR. GILBERT

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: FTNUMB
CONTACT: DR. G.N. GILBERT, DEPARTMENT OF SOCIOLOGY,
UNIVERSITY OF SURREY, GUILDFORD GU2 5XH,
ENGLAND
HARDWARE REQD: P300/400
PURPOSE: FTNUMB IS A DEVELOPMENT AID FOR FORTRAN PROGRAMMERS.
IT WILL:
1. RENUMBER THE STATEMENT LABELS OF A FORTRAN SOURCE
PROGRAM INTO ASCENDING ORDER WITHIN EACH ROUTINE, AND
MODIFY LABEL REFERENCES ACCORDINGLY.
2. INDENT THE STATEMENTS IN DO-LOOPS
3. PRODUCE A LISTING FILE OF THE LINE NUMBERED PROGRAM
FOLLOWED BY A CROSS REFERENCE DICTIONARY INCLUDING ALL
THE IDENTIFIERS (VARIABLES, SUBROUTINE AND FUNCTION NAMES)
IN ALPHABETICAL ORDER, EACH WITH A LIST OF THE LINE
NUMBERS WHERE THE IDENTIFIERS OCCUR.
FTNUMB MAY BE DIRECTED TO PERFORM ONE, TWO OR ALL
OF THE ABOVE FUNCTIONS.
AVAILABILITY: FREE TO EDUCATIONAL USERS THROUGH THE PULSE
COORDINATOR AT PRIME COMPUTER INC. THERE WILL BE A CHARGE
OF \$100.00 TO OTHER USERS AND OBTAINED FROM DR GILBERT
DIRECTLY AT THE ABOVE ADDRESS.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: SURMOD
CONTACT: GEOSCIENCE INTERNATIONAL INC
3801 KIRBY DRIVE - SUITE 342
HOUSTON, TEXAS 77098
C/O MICHAEL J. D'EATH
HARDWARE REQD: PRIME 300 AND UP, PLOTTER AND TAPE DRIVE
LANGUAGE: FORTRAN
PURPOSE: SURMOD IS A COMPLETE SURFACE
MODELING AND DISPLAY SYSTEM. ALL PARAMETERS ARE ENTERED
INTERACTIVELY. THE DISPLAY CAN TAKE THE FORM OF CONTOUR MAPS,
PRINTED VALUES, CROSS SECTIONS, PERSPECTIVES, ETC.
SURMOD HANDLES MORE INPUT DATA AND GRID THAN MEMORY ALLOWS.
MORE DETAILED INFORMATION ON REQUEST.
RESTRICTIONS: ALL INQUIRIES SHOULD BE DIRECTED TO GEOSCIENCE
INTERNATIONAL AT THE ABOVE ADDRESS.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: COMPASS
CONTACT: CHRISTIAN BROS., EDUCATIONAL DATA CENTER
100 DELASALLE DRIVE, ROMEOVILLE, ILLINOIS 60441
TELEPHONE 815-8388900
C/O WESLEY C HAAS, DIRECTOR OF INFORMATION SYSTEMS
HARDWARE REQD: P400 AND UP W/ 128K, DISK, LINE PRINTER
LANGUAGE: COBOL
PURPOSE: INTERACTIVE ADMINISTRATION PROGRAMS FOR COLLEGES AND
UNIVERSITIES COVERING THE FOLLOWING AREAS:
ON-LINE REGISTRATION STUDENT RECORDS
ACCOUNTS PAYABLE ACCOUNTS RECEIVABLE
GENERAL LEDGER PAYROLL
ADMISSIONS ALUMNI
FINANCIAL AIDS
COST: THE ABOVE PACKAGES ARE PROPRIETARY SOFTWARE AVAILABLE
FOR SALE ON A CONTRACTURAL BASIS. PRICE WILL BE QUOTED
UPON REQUEST.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: PRONTO
CONTACT: GEOSCIENCE INTERNATIONAL INC
3801 KIRBY DRIVE - SUITE 342
HOUSTON, TEXAS 77098
C/O MICHAEL J. D'EATH
HARDWARE REQD: PRIME 300 AND UP, HARDCOPY DEVICE
LANGUAGE: FORTRAN
PURPOSE: PRONTO EVALUATES OIL AND GAS PROSPECTS BEFORE FEDERAL TAXES.
APPRAISED VIEW CAN BE WORKING, ROYALTY, CAPITAL
OR ANY COMBINATION OF INTERESTS. HANDLES REVERSIONARY
INTERESTS. PRODUCTION AS PER MONTH/YEAR OR AS
DECLINE CURVES. FREE FORMAT INPUT. HANDLES UP TO 50 YEARS.
RESTRICTIONS: ALL INQUIRIES SHOULD BE DIRECTED TO GEOSCIENCE
INTERNATIONAL. PRICE IS AVAILABLE ON REQUEST.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: IFS
CONTACT: SONOMA VINEYARDS
PO BOX 368
WINDSOR, CALIFORNIA 95452
C/O PAUL HOLMES, VICE PRESIDENT
HARDWARE REQD: PRIME 300 AND UP WITH OWL1200 TERMINAL
LANGUAGE: COBOL WITH FORMS AND MIDAS
PURPOSE: IFS IS AN INTEGRATED ON-LINE ACCOUNTS PAYABLE, GENERAL
LEDGER, REPORT WRITER, WORK-IN-PROCESS ORDER CONTROL AND
INVENTORY PACKAGE. IT INCLUDES TUTORIAL DOCUMENTATION OF
PROCESSES AND PROCEDURES DESIGNED FOR USE BY END USERS.
COMPLETE BACKUP/RECOVERY STEPS ARE INCLUDED IN ALL
PROCEDURES. THOROUGH ON-LINE DATA ENTRY EDITS USE FORMS
SCREENS TO INSURE EARLY ERROR RECOGNITION AND EASE OF
OPERATION. COMPLETE SUPPORT OF PERIOD-END AND YEAR-END IS
PROVIDED FOR ALL SYSTEMS. CUSTOMIZED REPORTS ARE EASILY
CREATED INTERACTIVELY BY NON-TECHNICAL PEOPLE.
COST: \$4000.00

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ASE
CONTACT: MR. CHARLES ARMSTRONG
ARMSTRONGS SYSTEM HOUSE, 28635 HAZELRIDGE DRIVE,
RANCHO PALOS VERDES, CALIFORNIA 90274
HARDWARE REQD: STANDARD PRIME SYSTEM (V-MODE ONLY)
LANGUAGE: FORTRAN
PURPOSE: THIS IS AN IBM-LIKE FULL SCREEN EDITOR. ASE
RUNS ON ALL V-MODE MACHINES WITH PERKIN-ELMER OWL TERMINALS.
ASE PROVIDES THE PRIME COMPUTER WITH THE FUNCTIONALITY OF
A FULL SCREEN EDITOR AND A POWERFUL LINE-AT-TIME MODE
EDITOR. THE EDITOR IS DESIGNED FOR PROGRAM DEVELOPMENT AND
MAINTENANCE AND INCLUDES ENHANCEMENTS FOR FTN AND COBOL.
COST: LICENSE AND MAINTENANCE FEES ON REQUEST

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: MINITAB RELEASE 80.1
CONTACT: Minitab Project, 215 Pond Laboratory
The Pennsylvania State University
University Park, PA 16802
(814) 865-1595

HARDWARE REQD: PRIME 150 and up, PRIMOS Rev 15, 16, or 17
LANGUAGES: FORTRAN OR F77 AND PMA
PURPOSE: Minitab is a complete, easy-to-use statistical analysis system for teaching statistics and academic, industrial, and commercial statistical analysis. It features plotting, formatted and free-form input and output via the terminal or file system, sorting, descriptive statistics, one and two sample parametric and nonparametric estimation and hypothesis testing, simulation, matrix algebra, and control functions. The regression and time-series analysis capabilities and the English-like command language are outstanding. New features in Rel 80.1 include multiway table analysis, exploratory data analysis, interactive HELP, and simplified transformations. Data sets of any size (default maximum of 1,015,408 items) and shape can be manipulated in virtual memory by the shared code (except on P200 and P300 processors). Operation is either true interactive or batch, using any combination of terminal or file output and input. Complete documentation provided includes: student textbook, reference manual, primer and command summary, implementation guide, and HELP file. The tape includes runfiles, source, command files for all maintenance operations, sample data, and machine-readable documentation. The lease includes full support and all new releases for 1 year. Address all questions on the PRIME version of Minitab to: Dr. Stephen L. Arnold, PRIME/Minitab Conversion Center, Dept of Biological Sciences, State University of New York, Brockport NY 14420, (716) 395-2185. Send orders to the Minitab Project at Penn State.

RESTRICTIONS: Available only through lease agreement. Leases are for one year. Minitab Rel. 80.1 is fully upwards compatible with the previous release (78.2). Rel. 80.2 will be announced through PULSE and sent to all current installations about August 1980.

PRICE: Minitab for one year on one processor for use by one institution: \$500 for accredited, degree-granting institutions, \$1000 for others. No charge for up to four additional processors in PRIMENETs. Royalty arrangements and other discounts are available. Two-day order fulfillment to many U.S. and Canadian cities is available at extra cost.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
 PROGRAM NAME: H5\$10
 CONTACT: J.R. CUNNINGHAM, MESCO METAL BUILDINGS,
 PO BOX G, GRAPEVINE, TEXAS 76051
 (817-481-2501)
 HARDWARE REQD: PRIME 350 AND UP, HAZELTINE 1510
 SOFTWARE REQD: PRIMOS REV 16 AND FORMS
 LANGUAGE: FORTRAN
 PURPOSE: THIS DRIVER SUPPORTS THE HAZELTINE 1510 FOR USE WITH
 PRIMES FORMS PRODUCT. ALL FORMS FUNCTIONS ARE SUPPORTED
 EXCEPT FOR REVERSE VIDEO AND BLINK WHICH ARE NOT
 AVAILABLE ON THE 1510.
 COST: THIS PACKAGE COSTS ONLY \$333.00 AND CAN BE ORDERED
 DIRECTLY FROM THE CONTACT ABOVE.

PROGRAM NUMBER: CHARGEABLE
 PROGRAM NAME: PLATO
 CONTACT: JOSEPH PUGLISI, DATA FACTORY INC.,
 19 RECTOR STREET, 35TH FLOOR,
 NEW YORK, N.Y. (212-4252665)
 HARDWARE REQD: PRIME 350 AND UP
 LANGUAGE: FORTRAN
 PURPOSE: PLATO IS A SET OF SIMPLE, FLEXIBLE COMMANDS FOR THE
 MANIPULATION, ANALYSIS AND DISPLAY OF TIME SERIES DATA.
 THE PLATO COMMAND LANGUAGE INCLUDES ALL THE COMPUTER
 TOOLS THAT ONE NEEDS TO CREATE AND MAINTAIN DATA BASES,
 RETRIEVE, MANIPULATE AND DISPLAY ALL KINDS OF
 NUMERICAL DATA AND FITTED MODELS FOR STATISTICAL
 ANALYSIS AND FORECASTING OF TIME SERIES DATA.
 COST: PLATO IS CHARGEABLE SOFTWARE AND THE PRICE WILL BE
 QUOTED UPON REQUEST.

PROGRAM NUMBER: CHARGEABLE
 PROGRAM NAME: RESEQ
 CONTACT: MR. CHARLES ARMSTRONG
 ARMSTRONGS SYSTEM HOUSE, 28635 HAZELRIDGE DRIVE
 RANCHO PALOS VERDES, CALIFORNIA 90274
 HARDWARE REQD: STANDARD PRIME SYSTEM
 LANGUAGE: FORTRAN
 PURPOSE: THIS PACKAGE RESEQUENCES THE STATEMENT NUMBERS OF
 ANY PRIME FORTRAN PROGRAM OR SUBROUTINE. THE RESEQ
 PROGRAM RECOGNIZES ALL PRIME EXTENSIONS INCLUDING LABELS
 WITH DATA STATEMENTS AND SUBROUTINE CALLS. THE PACKAGE DOES
 NOT ALTER THE PROGRAM LOGIC OR THE USER INDENTATION.
 COST: LICENSE AND MAINTENANCE FEES ON REQUEST

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: SPL820
CONTACT: JFH ASSOCIATES
113 HIGHLAND LAKE RD
LEWISVILLE, TEXAS 75067
TELEPHONE (214) 436-7906, 436-4235
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
REQUEST PROC: SPL820 CAN BE OBTAINED BY CONTACTING MR JOHN
HUNTER AT THE ABOVE ADDRESS.
COST: \$250.00
DESCRIPTION: SPL820 IS A SPOOL PROGRAM SIMILIAR TO 'SPOOL'
CREATED TO SUPPORT THE TEXAS INSTRUMENTS FAMILY OF TI820
AND TI810 SERIAL PRINTERS. CONVERSION TO ANY SERIAL PRINTER
IS EASILY ACCOMPLISHED. THE PROGRAM EXPECTS THE PRINTER TO
BE CONNECTED VIA AN EXTENSION, OR AUXILLARY PORT, OFF THE
USER TERMINAL. THE PROGRAM TURNS THE PRINTER ON AND OFF TO
EXCLUDE NORMAL INTERACTIVE DIALOG.
SPL820 CONTAINS ENHANCEMENTS BEYOND THE NORMAL '-L' AND '-F'
OPTIONS OF SPOOL. THE PAGE NUMBER, TIME, AND DATE ARE PRINTED
AT THE PHYSICAL TOP OF FORM JUST ATER THE PERFORATION. TO
SUPPRESS THIS FEATURE, THE '-X' OPTION IS SELECTED.
THE '-C' (COMPRESS) OPTION SELECTS THE COMPRESSED MODE WHICH
PRINTS 16.5 CHARACTERS PER INCH HORIZONTALLY TO ALLOW 132
COLUMNS ON 8.5 INCH PAPER. THE '-I' (INDENT) OPTION INDENTS
THE TEXT TO THE RIGHT TO ALLOW ROOM FOR HOLE PUNCHING. THE
'-P' (PAGE) OPTION BEGINS PRINTING AT A SPECIFIED PAGE,
USEFUL WHEN LINE PROBLEMS OR PAPER PROBLEMS CAUSE PRINTING
ERROR, OR WHEN ONLY A SPECIFIC PAGE IS DESIRED. THE '-D'
OPTION WILL DOUBLE SPACE FOR AN EXPANDED LISTING. THE '-NOH'
OPTION WILL SUPPRESS THE SUB-HEADER.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: SUPERSAP
CONTACT: MIKE BUSSLER, ALGOR INTERACTIVE SYSTEMS,
ESSEX HOUSE L3 ESSEX SQUARE,
PITTSBURGH, PA 15206, (412)661-2100
HARDWARE REQD: PRIME 400 +
SOFTWARE REQD: PRIMOSIV REV14 +
LANGUAGE: FORTRAN
PURPOSE: ENHANCES AND EXTENDS THE SAPIV(SAP4) FINITE ELEMENT
STRESS ANALYSIS PROGRAM BEYOND THE SAP-V LEVEL.
I/O TIME MINIMIZED, RUN TIME OPTIMIZED, STORAGE REQUIREMENT
REDUCED, GRAPHICS PRE- AND POST-PROCESSING (TEKTRONIX
BASED), FREE FORMAT INPUT OPTION, STRESS OUTPUT FOR
ALL ELEMENTS, AUTOMATIC BANDWIDTH OPTIMIZATION AND MANY
OTHER MAJOR AND MINOR ADDITIONAL FEATURES. DISTRIBUTED
LOADS MAY BE INPUT FOR BEAM ELEMENTS. OPTIONS FOR
PRINCIPAL STRESSES FOR BOTH TYPE-6 AND TYPE-12
ELEMENTS. GREATLY ENHANCED DATA CHECKING.
COST: ONE-TIME LICENSE FEE AND ANNUAL FEE FOR UPDATED VERSIONS.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: DEPREC
CONTACT: PFA MEMBERS SERVICE GROUP
510 S 31ST STREET, BOX 736
CAMP HILL, PENNSYLVANIA 17011
C/O STEPHEN D. SNYDER
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN AND MIDAS
PURPOSE: THIS IS A SYSTEM FOR ENTERING, LOADING AND MAINTAINING
DEPRECIATION RECORDS ON A SINGLE OR MULTI-CLIENT BASIS.
DEPRECIATION SCHEDULES MAY BE RUN IN PRELIMINARY OR FINAL
FORM WITH THE FINAL RUN UPDATING THE FILE FOR NEXT YEAR.
OTHER FEATURES: ALLOWS NON STANDARD FISCAL YEAR,
DEPRECIATION SCHEDULES INCLUDE INVESTMENT CREDIT AND
CAPITAL GAINS REPORTS, DEPRECIATION TYPES SL, DB1.5,
AND DDB.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: GENERAL LEDGER
CONTACT: MR. GEORGE TAYLOR
MANAGEMENT DIRECTIONS INC.
57 LONGUEVUE DRIVE, PITTSBURGH, PA 15228

DESCRIPTION: MDI'S GENERAL LEDGER PACKAGE PROVIDES FOR THE
FOLLOWING FEATURES:
* OPTIMIZED FOR PRIME 300-750 PRIMOS/MIDAS ENVIRONMENT
* STRUCTURED ANS COBOL
* MULTIPLE ACCESS SUPPORT FOR DATA ENTRY/INQUIRY
* TOTALLY INTERACTIVE - SUPPORTING CRT AND HARDCOPY
TERMINALS
* 'HELP' TUTORIAL AVAILABLE TO OPERATOR FOR EASE OF TRAINING
* INSTALLS WITHIN AN HOUR
* COMPLETELY OPERATIONAL IN LESS THAN 3 DAYS
* COMPLETE USER DOCUMENTATION
* ACCOUNTING CONTROLS THROUGHOUT
(APPROVED BY A 'BIG EIGHT' ACCOUNTING FIRM)
* FLEXIBLE, USER DEFINED ACCOUNT STRUCTURE
* BUDGETING CAPABILITY FOR ALL ACCOUNTS
* LOT STATUS INQUIRY FOR INPUT MONITORING AND CONTROL
* ACCOUNT INQUIRY WITH CURRENT AND YEAR TO DATE BUDGET,
* ACTUAL, AND (OPTIONALLY) POSTED DETAIL REVIEW
* UNIQUE PARAMETER CONTROLLED REPORT GENERATION
* FINANCIAL REPORTS AVAILABLE BY DEPARTMENT FOR COMPLETE
CONTROL OF EXPENSE AND PERFORMANCE
* MULTIPLE DIVISION (COMPANY) SUPPORT FOR CONSOLIDATION
(AVAILABLE FOURTH QUARTER 1979)
* AUTOMATIC YEAR END CLOSING TO RETAINED EARNINGS WITH
BALANCE FORWARD GENERATION FOR THE NEW YEAR

COST: \$7500.00 - INCLUDING A THREE DAY ON-SITE INSTALLATION
AND TRAINING SESSION, MANUALS, AND COMPLETE WARRANTY.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ACCOUNTS RECEIVABLE
CONTACT: MR. GEORGE TAYLOR
MANAGEMENT DIRECTIONS INC.
57 LONGUEVUE DRIVE, PITTSBURGH, PA 15228

DESCRIPTION: MDI'S ACCTS RECEIVABLE PACKAGE PROVIDES FOR THE
FOLLOWING FEATURES:
* OPTIMIZED FOR PRIME 300-750 PRIMOS/MIDAS ENVIRONMENT
* STRUCTURED ANS COBOL
* MULTIPLE ACCESS SUPPORT FOR DATA ENTRY/INQUIRY
* TOTALLY INTERACTIVE - SUPPORTING CRT AND HARDCOPY
TERMINALS
* 'HELP' TUTORIAL AVAILABLE TO OPERATOR FOR EASE OF TRAINING
* INSTALLS WITHIN AN HOUR
* COMPLETELY OPERATIONAL IN LESS THAN 3 DAYS
* COMPLETE USER DOCUMENTATION
* ACCOUNTING CONTROLS THROUGHOUT
(APPROVED BY A 'BIG EIGHT' ACCOUNTING FIRM)
* COMPREHENSIVE MANAGEMENT OF CASH
* OPEN ITEM CONTROL
* AGE ANALYSIS IN DETAIL OR SUMMARY
* CUSTOMER LISTINGS IN NUMERIC OR ALPHABETIC SEQUENCE
* DETAIL REPORTING OF CASH RECEIPTS WITH DAILY TRIALS
TO MATCH BANK DEPOSITS
* COMPLETE INVOICE AND ADJUSTMENT REGISTERS
* CUSTOMER INQUIRY WITH OPTIONAL DETAIL FOR ALL INVOICES
* CUSTOMER STATEMENTS WITH USER CONTROLLED FINANCE CHARGE
SUPPORT
* CUSTOMER LABELS FOR SPECIAL MALINGS

COST: \$7500.00 - INCLUDING A THREE DAY ON-SITE INSTALLATION
AND TRAINING SESSION, MANUALS, AND COMPLETE WARRANTY.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ACCOUNTS PAYABLE
CONTACT: MR. GEORGE TAYLOR
MANAGEMENT DIRECTIONS INC.
57 LONGUEVUE DRIVE, PITTSBURGH, PA 15228
DESCRIPTION: MDI'S ACCTS PAYABLE PACKAGE PROVIDES FOR THE
FOLLOWING FEATURES:
* OPTIMIZED FOR PRIME 300-750 PRIMOS/MIDAS ENVIRONMENT
* STRUCTURED ANS COBOL
* MULTIPLE ACCESS SUPPORT FOR DATA ENTRY/INQUIRY
* TOTALLY INTERACTIVE - SUPPORTING CRT AND HARDCOPY
TERMINALS
* 'HELP' TUTORIAL AVAILABLE TO OPERATOR FOR EASE OF TRAINING
* INSTALLS WITHIN AN HOUR
* COMPLETELY OPERATIONAL IN LESS THAN 3 DAYS
* COMPLETE USER DOCUMENTATION
* ACCOUNTING CONTROLS THROUGHOUT
(APPROVED BY A 'BIG EIGHT' ACCOUNTING FIRM)
* MANAGEMENT REPORTING AND CONTROL OF THE DISBURSEMENT
PROCESS - CASH REQUIREMENTS OR PAYMENT REVIEW
* VOUCHER CONTROL
* 1099 REPORTING
* PARTIAL PAYMENT SUPPORT
* ONE-TIME VENDOR CAPABILITY
* PREPRINTED CHECK NUMBERS FOR ULTIMATE SECURITY AND
AUDITABILITY
* AUTOMATIC DISTRIBUTION TO THE MDI GENERAL LEDGER
* VENDOR INQUIRY WITH OPTIONAL PAID, OPEN, AND HELD
VOUCHER DETAIL
* BANK RECONCILIATION REPORT AND FILE AVAILABLE
* VENDOR ANALYSIS OF CURRENT AND YEAR TO DATE PAYMENTS
* ABILITY TO HOLD PAYMENTS BY VENDOR OR VOUCHER
COST: \$7500.00 - INCLUDING A THREE DAY ON-SITE INSTALLATION
AND TRAINING SESSION, MANUALS, AND COMPLETE WARRANTY.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: DIDAK
CONTACT: JOACHIM WIESEL
INSTITUTE FOR PHOTOGRAMMETRY, UNIVERSITY OF KARLSRUHE,
BOX 6380, D7500 KARLSRUHE, WEST GERMANY
HARDWARE REQD: P350 AND UP (V-,MODE ONLY)
GRINNELL GMR27 COLOR DISPLAY
LANGUAGE: FORTRAN AND PMA, REV 15 +
PURPOSE: DIDAK IS A SYSTEM FOR THE ANALYSIS OF REMOTE SENSING DATA
(E.G. LANDSAT MULTISPECTRAL SCANNER OR DIGITIZED PHOTOGRAPHS)
MODULES FOR THE FOLLOWING TASKS ARE IMPLEMENTED:
1. IMAGE PROCESSING, FOR EXAMPLE SPATIAL FILTERS, RATIONING
2. DISPLAY AND MANIPULATION OF IMAGES WITH A GRINNEL GMR27
COLOR RASTER DISPLAY SYSTEM
3. SUPERVISED AND UNSUPERVISED CLASSIFICAION
4. GEOMETRIC RECTIFICAION
USERS INTERACT WITH DIDAK VIA AN EXTENDABLE COMMAND LANGUAGE,
WHICH IS SUPPORTED BY A HELP-SUBSYSTEM.
PRICE: PRICE WILL BE QUOTED UPON REQUEST.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: BATS
CONTACT: HALUK OZDEMIR
EARTHQUAKE ENGINEERING, 141 BATTERY ST., SUITE 400
SAN FRANCISCO, CALIFORNIA 94111
TEL# (415)4332130
HARDWARE REQD: PRIME 550 AND UP
SOFTWARE REQD: PRIMOS REV. 15 +
LANGUAGE: FORTRAN
PURPOSE: BATS IS A LINEAR STRUCTURAL PROGRAM FOR MULTISTORY FRAME
AND SHEAR WALL BUILDINGS SUBJECTED TO STATIC AND EARTHQUAKE
LOADINGS. THE SUBSTRUCTURING TECHNIQUE IS USED, WHICH
MINIMIZES THE INPUT DATA REQUIRED TO DEFINE THE STRUCTURAL
SYSTEM. THE IDEALIZATION OF EACH FLOOR LEVEL AS ONE OR MORE
RIGID DIAPHRAGMS CONNECTED TO FLEXIBLE LINKS RENDERS THE
PROGRAM A VERY EFFECTIVE TOOL FOR DYNAMIC ANALYSIS USING
MODAL SUPERPOSITION.
COST: CONTACT EARTHQUAKE ENGINEERING AT THE ABOVE ADDRESS

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: BLOCK
CONTACT: JFH ASSOCIATES, 1633 ARROWHEAD DR., RFD 1, BOX 43AA
LEWISVILLE, TEXAS 75028, TEL# 214-4341184, 4367906, 4364235
HARDWARE REQD: PRIME 350 +, ANY CRT WITH CURSOR ADDRESSING
LANGUAGE: FORTRAN (V-MODE)
DESCRIPTION: BLOCK IS A SUPER-SET OF ED, PROVIDING THE BLOCK MODE
CAPABILITY FOUND IN IBM TYPE MAINFRAMES. THE PROGRAM IS EASY
TO LEARN AND WILL ALLOW MANY NON-PROGRAMMER TYPES TO QUICKLY
REVIEW AND ENTER DATA. THE ADDITIONAL ED COMMANDS ARE:
BLOCK - ENTER BLOCK MODE
COLUMN - REVECTOR COLUMNS (REFORMAT DATA)
HELP - PRINT USER QUICK REFERENCE GUIDE TO NEW FEATURES
TERMINAL - SELECT CRT TYPE (OWL, FOX, ADM3A, HAZELTINE, ETC.)
DESIGN FEATURES TAKE ADVANTAGE OF DIRECT ADDRESSING FOR QUICK
DISPLAY AND PROVIDE QUICK CURSOR MOVEMENT.
A COMPLETE LIST OF "BLOCK" MODE COMMANDS IS:
CTRL-A - INSERT LINE AT CURRENT POSITION
CTRL-B - MOVE CURSOR TO BOTTOM ROW (SAME COLUMN)
CTRL-C - DELETE CHARACTER (LINE CLOSES)
CTRL-D - MOVE CURSOR DOWN (SCROLL IF NECESSARY)
CTRL-E - ERASE LINE FROM CURRENT COLUMN TO END OF LINE
CTRL-F - MOVE CURSOR TO FIRST COLUMN (SAME ROW)
CTRL-G - MOVE CURSOR TO LAST COLUMN (SAME ROW)
CTRL-H - HUNT FOR NEXT FIELD (BLANK TO NON-BLANK TRANSITION)
CTRL-I - INSERT CHARACTER (LINE EXPANDS)
CTRL-K - KILL CHANGE SINCE LINE OPENED TO MODIFICATION
CTRL-L - MOVE CURSOR LEFT (WRAP IF NECESSARY)
CTRL-M - [RETURN] - MOVE CURSOR TO NEXT ROW (COLUMN 1)
CTRL-N - DISPLAY NEXT PAGE
CTRL-O - OUTPUT CURRENT PAGE TO FILE NAMED ON LINE 1
CTRL-Q - ESCAPE SEQUENCE CHARACTER
CTRL-R - MOVE CURSOR RIGHT (WRAP IF NECESSARY)
CTRL-S - STRING SEARCH (USER IS INTERROGATED FOR STRING ON
LINE 1)
CTRL-T - MOVE CURSOR TO TOP ROW (SAME COLUMN)
CTRL-U - MOVE CURSOR UP (SCROLL IF NECESSARY)
CTRL-W - WHERE IS CURSOR (ROW, LINE & COL DISPLAYED ON
LINE 1)
CTRL-X - EXIT BLOCK MODE
CTRL-Y - COPY LINE
CTRL-Z - SPLIT LINE (AT CURRENT COLUMN) INTO TWO LINES
REQUEST PROC: BLOCK CAN BE OBTAINED BY CONTACTING MR JOHN HUNTER AT THE
ABOVE ADDRESS. THE COST OF THE PROGRAM IS \$2250 FOR A ONE
TIME CHARGE, OR \$215/MO FOR 1 YEAR, OR \$115/MO FOR 2 YEARS.
A TRIAL COPY IS AVAILABLE FOR \$25 (REFUNDABLE WITH PURCHASE).

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: VALID
CONTACT: LLOYD BUSH AND ASSOCIATES
1 BATTERY PARK PLAZA
NEW YORK, NEW YORK 10004
C/O LARRY WALTHER/LENA CHARLES
HARDWARE REQD: STANDARD PRIME SYSTEM
LANGUAGE: FORTRAN
PURPOSE: VALID ENHANCES THE PRIME OPERATING SYSTEM BY PROVIDING
A PROTECTED ENVIRONMENT FOR USERS TO RUN UNDER. THE SYSTEM
ADMINISTRATOR WORKING WITH THE SOFTWARE CAN DETERMINE THE
ACCESS RIGHTS TO RESTRICTED INTERNAL AND EXTERNAL COMMANDS
ON A PER USER BASIS. THE SOFTWARE IS EASILY MODIFIED IN
ORDER TO PROVIDE CUSTOMIZATION FOR A PARTICULAR
INSTALLATION.
COST: VALID IS CHARGEABLE SOFTWARE AND THE PRICE, SUPPORT,
AND MAINTENANCE WILL BE QUOTED UPON REQUEST.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: AUT-ACCOUNT
CONTACT: TIM STORMOEN, PBS - COMPUTING,
718 THIRD STREET, ST. PAUL MINNESOTA 55110
TELEPHONE # 612-4263235
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: AUT-ACCOUNT IS AN ACCOUNTING/FINANCIAL REPORTING SYSTEM
CONSISTING OF A GENERAL LEDGER, PAYROLL, ACCOUNTS PAYABLE,
AND ACCOUNTS RECEIVABLE PACKAGE. ALL SYSTEMS ARE INTERFACED
SO THAT ENTRIES ARE MADE ONLY ONE TIME.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: LOGIN/TAPES
CONTACT: GEOSCIENCE INTERNATIONAL, INC., 3801 KIRBY DRIVE
SUITE 342, HOUSTON TEXAS 77098, C/O MICHAEL D'EATH
HARDWARE REQD: PRIME 300 AND ABOVE
LANGUAGE: FORTRAN
PURPOSE: SYSTEM ACCOUNTING - FULLY SECURE EXTERNAL LOGIN SYSTEM.
FEATURES INCLUDE MULTI-LINE MESSAGE, ACCOUNT AUTHORIZA-
TION. RESTRICTED ACCESS OPTION, FULL BILLING SYSTEM(PAPER,
CPU,CONNECT), PROGRAM ROYALTY BILLING, UTILITIES.
TAPE ACCOUNTING - COMPREHENSIVE ON-LINE TRACKING AND
REPORTING OF TAPE LIBRARY, WITH OPTIONAL BILLING. ALLOWS
FOR SYSTEM AND USER OWNED TAPES, PROVIDES SUCH FEATURES
AS 'SEARCH FOR SCRATCH TAPE OF GIVEN FEET'.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: PAYROLL
CONTACT: MR. GEORGE TAYLOR
MANAGEMENT DIRECTIONS INC.
57 LONGEVUE DRIVE, PITTSBURGH, PA 15228

DESCRIPTION: OPTIMIZED FOR PRIME 300-750 PRIMOS/MIDAS ENVIRONMENT
STRUCTURED ANS COBOL
MULTIPLE ACCESS SUPPORT FOR DATA ENTRY/INQUIRY
TOTALLY INTERACTIVE - SUPPORTING CRT AND HARDCOPY TERMINALS
HELP TUTORIAL AVAILABLE TO OPERATOR FOR EASE OF TRAINING
INSTALLS WITHIN A HOUR
COMPLETELY OPERATIONAL IN LESS THAN THREE DAYS
COMPLETE USER DOCUMENTATION
ACCOUNTING CONTROLS THROUGHOUT
(APPROVED BY A BIG EIGHT ACCOUNTING FORM)
MULTI-DIVISIONAL
FLEXIBLE, USER-DEFINED EARNINGS AND DEDUCTION CONTROL
COMPLETE INQUIRY CAPABILITY INCLUDING QUARTER-TO-DATE
AND YEAR-TO-DATE EARNINGS, DEDUCTIONS, AND TAX INFO
EXTERNAL TABLES TO FACILITATE TAX RATE CHANGES
REGISTERS AND CHECKS BY DIVISION OR DEPT. WITHIN DIVISION
W-2'S, 941'S, AND LOCAL TAX REPORTS PROVIDED
RATE REVIEW ELIGIBILITY REPORTING

COST: \$7500.00 - INCLUDING A THREE DAY ON-SITE INSTALLATION
AND TRAINING SESSION, MANUALS, AND COMPLETE WARRANTY.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: TDRAW
CONTACT: MIKE BUSSLER OR STAN KLETCH
ALGOR INTERACTIVE SYSTEMS
ESSEX HOUSE - L3 - ESSEX SQUARE
PITTSBURGH, PA 15206
TELEPHONE # 412-6612100

HARDWARE REQD: PRIME 400, REV 15+
LANGUAGE: FORTRAN
PURPOSE: 1. DISPLAYS TWO OR THREE DIMENSIONAL FINITE ELEMENT
MESHES FOR SAPIV OR SUPERSAP FILES PRIOR TO
EXECUTION. BASED ON TEKTRONICS GRAPHICS EQUIPMENT.
2. DISPLAYS FINITE ELEMENT MESHES AFTER PROCESSING TO SHOW
DISTORTIONS DUE TO LOADINGS. STRESS CONTOURS TO BE
ADDED SOON.

COST: AVAILABLE ON LICENSE

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: #EDIT
CONTACT: MIKE BUSSLER OR STAN KLETCH
ALGOR INTERACTIVE SYSTEMS
ESSEX HOUSE - L3 - ESSEX SQUARE
PITTSBURGH, PA 15206
TELEPHONE # 412-6612100
HARDWARE REQD: PRIME 400, REV 15+
LANGUAGE: FORTRAN
PURPOSE: GENERATES SAPIV OR SUPERSAP FINITE ELEMENT DATA
FILES. PROVIDES FULL EDITING CAPABILITY. POWERFUL
NODE AND ELEMENT GENERATION FEATURES. FORMATS THE FILES
AUTOMATICALLY, ELIMINATING THE NEED TO USE THE SYSTEM EDITOR.
COST: AVAILABLE ON LICENSE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: *MSHGEN
CONTACT: MIKE BUSSLER OR STAN KLETCH
ALGOR INTERACTIVE SYSTEMS
ESSEX HOUSE - L3 - ESSEX SQUARE
PITTSBURGH, PA 15206
TELEPHONE # 412-6612100
HARDWARE REQD: PRIME 400, REV 15+
LANGUAGE: FORTRAN
PURPOSE: FULLY GENERAL AUTOMATIC FINITE ELEMENT MESH GENERATION
PROGRAM FOR TWO DIMENSIONS. FILES PRODUCED ARE COMPATIBLE
WITH TYPE-3 AND -4 SAPIV ELEMENTS FOR PROCESSING WITH
SAPIV OR SUPERSAP. MAY BE USED IN CONJUNCTION WITH TDRAW
TO BUILD MODEL STEP BY STEP AND GRAPHICALLY REVIEW THE
MODEL AT EACH STEP OF DEVELOPMENT.
COST: AVAILABLE ON LICENSE

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: *RADGEN
CONTACT: MIKE BUSSLER OR STAN KLETCH
ALGOR INTERACTIVE SYSTEMS
ESSEX HOUSE - L3 - ESSEX SQUARE
PITTSBURGH, PA 15206
TELEPHONE # 412-6612100
HARDWARE REQD: PRIME 400, REV 15+
LANGUAGE: FORTRAN
PURPOSE: AUTOMATICALLY GENERATES THREE-DIMENSIONAL FINITE ELEMENT
MESH FOR CONTAINERS OR OTHER CIRCULAR OBJECTS ABOUT AN AXIS.
USES THE TYPE-6 SAPIV THIN SHELL ELEMENT. CAN GENERATE
FULL OBJECT, 1/2 OBJECT, 1/4 OBJECT, OR 1 SLICE OF OBJECT,
ALL WITH CORRECT BOUNDARY CONDITIONS OR BOUNDARY ELEMENTS
EMPLOYED. FILES PRODUCED MAY BE PROCESSED WITH SAPIV OR
SUPERSAP. CAPABILITIES MAY BE EASILY EXTENDED TO NON-
CIRCULAR CONFIGURATIONS. THE USER SPECIFIES ONLY NODES
ON THE PROFILE.
COST: AVAILABLE ON LICENSE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: *RDGN8
CONTACT: MIKE BUSSLER OR STAN KLETCH
ALGOR INTERACTIVE SYSTEMS
ESSEX HOUSE - L3 - ESSEX SQUARE
PITTSBURGH, PA 15206
TELEPHONE # 412-6612100
HARDWARE REQD: PRIME 400, REV 15+
LANGUAGE: FORTRAN
PURPOSE: PROVIDES SAME CAPABILITY AS *RADGEN FOR THREE DIMENSIONAL
FINITE ELEMENT MESH GENERATION EXCEPT THAT THE SAPIV
TYPE-8 THICK SHELL ELEMENT WITH 16 NODES/ELEMENT IS
EMPLOYED.
COST: AVAIL ON LICENSE

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: PAYABLES
CONTACT: COMPUTER SERVICE CONSULTANTS, INC.,
37 JEFFERSON BOULEVARD, WARWICK, RHODE ISLAND 02888
C/O GORDON T WILMOT
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS ACCOUNTS PAYABLE SYSTEM IS COMPLETELY CONVERSATIONAL
AND GUIDES THE USER AS DATA IS ENTERED ON THE TERMINAL.
INCLUDED IN THE SYSTEM ARE THE FOLLOWING FEATURES:
○ PROVISION FOR CHECKS MANUALLY WRITTEN OUTSIDE THE SYSTEM
○ PARTIAL PAYMENT OF INVOICES
○ MULTIPLE ACCOUNT DISTRIBUTION WITH DESCRIPTIONS
○ CASH FLOW PROJECTIONS ON DEMAND
○ IMMEDIATE INQUIRY CAPABILITY
○ AUTOMATIC CHECK RECONCILIATION
○ DISCOUNT VERIFICATION
○ COMPLETE AUDIT TRAIL
○ AUTOMATIC POSTING TO THE GENERAL LEDGER
○ PRINTING OF 1099
THIS SYSTEM ALLOWS FOR A SIX POSITION VENDOR NUMBER AND A
NINE POSITION GENERAL LEDGER ACCOUNT NUMBER. THE FOLLOWING
REPORTS CAN BE PRINTED ON THE USERS TERMINAL, ON DEMAND,
OR SENT TO A HIGH SPEED PRINTER.
ACCOUNTS PAYABLE CHECK, CASH REQUIREMENTS REPORT, CHECK
REGISTER, VOUCHER REGISTER BY VENDOR AND GENERAL LEDGER
ACCOUNT NUMBER, AGING ANALYSIS, VENDOR LIST, PAYABLES LIST,
AND OUTSTANDING CHECK REPORT.
COST: THE PRICE OF \$3000.00 INCLUDES ONE DAY ON-SITE INSTALLATION
AND TRAINING, USER MANUALS, AND SYSTEM DESCRIPTIONS.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ORD.INV
CONTACT: COMPUTER SERVICE CONSULTANTS, INC.,
37 JEFFERSON BOULEVARD, WARWICK, RHODE ISLAND 02888
C/O GORDON T WILMOT
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS CONVERSATIONAL SYSTEM INCLUDES THE FOLLOWING FEATURES:
○ MULTIPLE USER CAPABILITY
○ INTERFACES WITH ACCOUNTS RECEIVABLE
○ INTERFACES WITH INVENTORY CONTROL SYSTEM
○ PROVIDES FOR MULTIPLE SHIP-TO ADDRESSES
○ OPTIONAL COMMENT LINES
THIS SYSTEM GENERATES THE FOLLOWING REPORTS:
CUSTOMER ORDER, CUSTOMER PACKING SLIP, CUSTOMER
INVOICE, OPEN ORDER REPORTS BY PRODUCT AND CUSTOMER,
AND SALES ANALYSIS REPORTS
COST: THE PRICE OF \$3000.00 INCLUDES ONE DAY ON-SITE INSTALLATION
AND TRAINING, USER MANUALS, AND SYSTEM DESCRIPTIONS.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: RECEIVABLES
CONTACT: COMPUTER SERVICE CONSULTANTS, INC.,
37 JEFFERSON BOULEVARD, WARWICK, RHODE ISLAND 02888
C/O GORDON T WILMOT
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS SYSTEM IS COMPLETELY CONVERSATIONAL. INCLUDED IN
THE SYSTEM ARE THE FOLLOWING FEATURES:
o INTERFACES WITH GENERAL LEDGER SYSTEM
o INTERFACES WITH ORDER INVOICING SYSTEM
o BALANCE FORWARD OR OPEN ITEM STATEMENT
o OPTIONAL SERVICE CHARGE
o SPECIFIC OR AUTOMATIC CASH APPLICATION
o STATEMENTS AND REPORTS PRINTED BY ID NUMBER OR
ALPHABETICALLY
THE FOLLOWING REPORTS CAN BE PRINTED ON DEMAND AT THE USERS
TERMINAL OR SPOOLED TO A HIGH SPEED PRINTER:
CUSTOMER STATEMENT, AGED TRIAL BALANCE, DELINQUENT ACCOUNT
REPORT, SALES ANALYSIS REPORTS, COMMISSION REPORT, INVOICE
REGISTER, CASH RECEIPTS REGISTER, AND PRESS APPLY LABELS.
COST: THE PRICE OF \$3000.00 INCLUDES ONE DAY ON-SITE INSTALLATION
AND TRAINING, USER MANUALS, AND SYSTEM DESCRIPTIONS.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: GENL. LEDGER
CONTACT: COMPUTER SERVICE CONSULTANTS, INC.,
37 JEFFERSON BOULEVARD, WARWICK, RHODE ISLAND 02888
C/O GORDON T WILMOT
HARDWARE REQD: PRIME 300 AND UP
LANGUAGE: FORTRAN
PURPOSE: THIS SYSTEM PROVIDES THE USER WITH COMPLETE FLEXIBILITY
FOR ACCOUNT NUMBER ASSIGNMENT AND REPORT FORMATS. PROFIT
AND LOSS STATEMENTS AND SUPPORTING SCHEDULES SHOW CURRENT
MONTH AND YEAR-TO-DATE BALANCES FOR BOTH CURRENT AND PRIOR
YEARS. THE SYSTEM OPTIONALLY ALLOWS FOR PREDETERMINED BUDGETS
AND PROVIDES FOR PROFIT AND LOSS STATEMENTS WITH BUDGET TO
ACTUAL COMPARISONS.
THE GENERAL LEDGER SHOWS ACCOUNT ENTRY ACTIVITY FROM
THE BEGINNING OF THE YEAR. ENTRIES POSTED TO THE GENERAL
LEDGER CARRY AN ABBREVIATED DESCRIPTION ALONG WITH THE
ACCOUNTS RECEIVABLE AND PAYABLE SYSTEMS AND ENTRIES FROM
THESE SYSTEMS ARE AUTOMATICALLY POSTED TO THE GENERAL LEDGER.
BOTH THE STANDARD AND GENERAL JOURNAL ENTRY ROUTINES VERIFY
EACH ENTRY IS IN BALANCE AS IT IS ENTERED. THE USER
HAS THE CAPABILITY OF LISTING THESE ENTRIES ON DEMAND:
BALANCE SHEET, PROFIT AND LOSS STATEMENTS, BUDGET REPORTS,
SUPPORTING SCHEDULES, AND TRIAL BALANCE.
COST: THE PRICE OF \$3000.00 INCLUDES ONE DAY ON-SITE INSTALLATION
AND TRAINING, USER MAUALS, AND SYSTEM DESCRIPTIONS.

CHARGEABLE SOFTWARE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ABR.DROP
CONTACT: MR. JIM HINTERLANG, DIRECTOR OF OPERATIONS
AMIS INFORMATION SYSTEMS, 1204 CHAMBER OF COMMERCE BLDG.,
PITTSBURGH, PENNSYLVANIA 15219, TELEPHONE # 412-4712647
HARDWARE REQD: PRIME 300 AND UP WITH DIALUP CAPABILITY
LANGUAGE: NOT SPECIFIED
PURPOSE: THE AMIS AUTO BAUD RATE (ABR) DETECTION AND TELEPHONE
DROP SOFTWARE IS A MODIFICATION TO THE AMLC DRIVERS IN
THE STANDARD PRIMOS OPERATING SYSTEM. IT WAS DESIGNED
TO ALLOW 110, 300 AND 1200 BAUD USERS TO DIAL-IN TO THE
SAME BANK OF MODEMS AND TO PREVENT IDLE USERS FROM
TYING UP THE DIAL-IN PORT THAT MIGHT BE NEEDED BY ANOTHER
ACTIVE USER.
COST: THIS PRODUCT IS LICENSED FOR A ONE-TIME FEE OF \$1000.
WITH NEW PRIMOS REVISIONS UPDATED FOR \$150.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: NASA-PERT
CONTACT: MR. ZEV MEHLER, ABT ASSOCIATES, INC.,
55 WHEELER STREET, CAMBRIDGE, MASS 02138
HARDWARE REQD: PRIME 350 AND UP
LANGUAGE: FORTRAN
PURPOSE: THE PERT SYSTEM IS AN AUTOMATED AID TO PROVIDE THE
INFORMATION FLOW NECESSARY FOR PROJECT PLANNING, MONITORING,
EVALUATING AND COORDINATING. THE PERT IS CAPABLE OF 20
STANDARD OUTPUT REPORTS AND UP TO 20 UNIQUE REPORTS DESIGNED
BY THE USER FOR EACH NETWORK.
COST: THIS IS A COSTED PRODUCT. CONTACT ABOVE PERSON FOR
PRICE INFORMATION. CURRENTLY THERE EXISTS A UPPER
LIMIT OF 5000 ATIVITIES IN A NETWORK.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ACTSPAY (Accounts Payable)
CONTACT: Mr. James Willcox, HENCO Inc., 20 Walnut St.,
Wellesley, Mass 02181, Telephone # 617-237-4156
DESCRIPTION: The Accounts Payable System is a versatile and
comprehensive data entry and reporting system which is
totally menu-driven. This package provides for the following
features:
* Voucher posting using single or multiple general ledger
codes
* General Ledger Distribution File
* Credit and Debit Adjustments
* Cash Disbursements
* Aging Accounts Payable
* Selection of Vendors and/or Vouchers to pay
* Check Printing
* Month End Posting of Journal Entries
* Voucher Verification
* Aged Trial Balance by Voucher or by Vendor
* Open Items Report
* General Ledger Distribution Report
* Check Register
COST: Price will be quoted upon request

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ACTSREC (Accounts Receivable)
CONTACT: Mr. James Willcox, HENCO Inc., 20 Walnut St.,
Wellesley, Mass 02181, Telephone # 617-237-4156
DESCRIPTION: The Accounts Receivable System is an extensive data
entry and reporting system which enables a business to keep
track of its Receivables, including Sales Analysis, Audit
trail, and General Ledger posting. The package is totally
menu-driven and features the following:
* Master files for customers, products and salesmen
* Invoice generation and posting
* Cash receipts processing - allowable discounts computed
* Service charges on delinquent accounts
* Credit and Debit adjustments
* Statements and labeling
* Month end posting of journal entries
* Sales journal
* Current sales and year-to-date sales
a) by product b) by customer c) by salesmen
* Invoices/Invoice Register
* Aging - Detail by invoice and summary by customer
* Cash receipts journal
* Commission reports
* Monthly activity - by customer
* Open - closed items
* Customer listings
COST: Price quoted upon request.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: CREDIT UNION
CONTACT: Mr. James Willcox, HENCO Inc., 20 Walnut St.,
Wellesley, Mass 02181, Telephone # 617-237-4156
DESCRIPTION: The Credit Union System is an extensive data entry
and reporting system which enables credit unions to conduct
business using data processing while conforming to the
National Credit Union Administration's guidelines HENCO's
Credit Union package operates on a realtime basis, offering
complete transaction recording and control, payroll deduction
processing, interest and dividend calculations and extensive
report generation. The following are a list of features pro-
vided:
* Master files for members and for loans
* Deposits and withdrawals to share accounts
* Loans - secured, unsecured and open lines of credit
* Payroll deduction processing
* Dividend calculation for loans
* Interest calculation on loans
* Query for instantaneous status of member or loan
* Daily transactions
* Transaction Register
* Trial balances for shares and for loans
* Individual share and loan statements of account
* Dividend reports, current and YTD
* Payroll breakdown
* Delinquent loans, closed loans and new loans
* Printing of statements, 1099's
* Rejected Transactions
* Miscellaneous reports consisting of statistical analysis
of loans and share accounts
COST: Price will be quoted upon request

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: GENLLDG (General Ledger)
CONTACT: Mr. James Willcox, HENCO Inc., 20 Walnut St.,
Wellesley, Mass 02181, Telephone # 617-237-4156
DESCRIPTION: The General Ledger System is a complete recording
and reporting package which maintains all the necessary data
to produce a business financial position statements. The
system is completely menu-driven and can be run by a series
of simple steps. It provides the following features:
* Chart-of-Accounts
* General Ledger
* Year-to-Date Journal Entries
* General Ledger Adjusting
* Trial Balance Reports
* Balance Sheets and Income Statements
* Job Costing Reports
COST: Price will be quoted upon request

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: MANAGER II
CONTACT: Eric H. Dubins, Administrative Informations Systems,
6921 Environ Blvd., Suite 1N, Ft. Lauderdale, Florida 33319
HARDWARE REQD: Any Prime CPU - 300 through 50 Series
LANGUAGE: FORTRAN w/ MIDAS
PURPOSE: The A.I.S. Total Management System is a user-defined,
not a predefined system, for implementing all financial
applications. With one integrated set of software, T.M.S.
handles all financial functions - from Order Entry, Invoicing
Billing and Accounts Receivable to General Ledger Accounting,
Budgeting, Cost Allocation and Management Reporting.
T.M.S. is an integrated set of building blocks that may be
used to perform nearly all financial applications. There is
no need to acquire and maintain separate systems or packages
for Cost Accounting, Budgeting, Cost Allocation, Accounts
Payable, Billing and Accounts Receivable.
COST: Price will be quoted upon request.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: PAYROLL
CONTACT: Mr. James Willcox, HENCO Inc., 20 Walnut St.,
Wellesley, Mass 02181, Telephone # 617-237-4156
DESCRIPTION: The Payroll System enables a business to calculate
their payroll and print checks for all employees whether
salaried, hourly, or commissioned. It maintains current,
quarter-to-date amounts for each employee. The package is
totally menu-driven and features the following:
* Employee Master File
a) Screen format entry of new employees
b) Maintains YTD information of terminated employees
* Time Card Entry
a) Time may be distributed to many accounts
b) Overtime, Vacation, Premium, Sick, Holiday time options
* Commissions Entry
* Payroll Register
* Quarter-to-Date Payroll Register
* Year-to-Date Payroll Register
* Unemployment Taxes
COST: Price will quoted upon request

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: PPSP (Printronix Plotting Software Package)
CONTACT: Edward L. Wells, P.O. Box 2906,
Tri-Cities, Washington 99302
Telephone: (509)547-4180
HARDWARE REQD: Prime 50 Series
LANGUAGE: FORTRAN
PURPOSE: This is a plotting software system that permits a
Printronix peripheral to emulate Calcomp or Versatec plotters
or to use other unique Printronix graphics capabilities.
COST: Cost is \$750, license agreement must be executed
with author.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: SYMAP
CONTACT: William Nisen, Laboratory for Computer Graphics and
Spatial Analysis
Harvard University, 520 Gund Hall, 48 Quincy St.,
Cambridge, Massachusetts 02138
HARDWARE REQD: Prime 350+ (V-MODE)
LANGUAGE: FORTRAN
PURPOSE: SYMAP is a program for mapping spatially disposed
quantitative and qualitative data. SYMAP produces maps on a
standard line printer. Varying shades of gray, representing
value class intervals, are created by overprinting. SYMAP can
produce conformant, contour, trend surface, residual, and
proximal types of maps. Input to SYMAP consists of a series
of packages which define map outlines, zones, data points,
legends and numerous options.
COST: \$700 for educational and governmental organizations
\$1100 for commercial organizations
\$12.50 for the SYMAP Users' Reference Manual
(Prices may vary with time)

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: VIP
CONTACT: Mr. John Cripe, Joliet Junior College, 1216 Houbolt Ave.,
Joliet, Illinois 60436
DESCRIPTION: VIP is a career education program used by 20,000
students in the United States. It was developed, maintained,
and distributed by Joliet Junior College to educational acti-
vities. It contains eleven (11) modules: careers, military
jobs, forecasts, college search, high school subjects, junior
college courses, financial aids, local manpower, voc-tech
schools, interest testing, and local school topics.
System is modular in operation and purchase. Full documenta-
tion for DP and counselors.
LANGUAGE: COBOL with MIDAS
COST: Approximately \$5775 complete (28 programs plus data base)

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: ISOLD
CONTACT: Mr. Robert M. Fullford, D2S Associates,
332 S. Juniper St., Suite 205, Escondido, California 92025
HARDWARE REQD: P300 and up, 128KB Memory
LANGUAGE: FORTRAN IV
DESCRIPTION: ISOLD is an Interactive SOLAR Design program for
designing solar heating systems. ISOLD utilizes the f-chart
design method and is a convenient tool for estimating the
long term thermal performance and life cycle cost of active
solar heating systems.
A complete 95 page Operator's Manual will be available for
ISOLD.
COST: ISOLD is chargeable software and the price will be quoted
upon request.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: RA200 (ADDS Regent Device Driver)
CONTACT: Michael L. Jacobson, REALCO Information Systems Inc.,
520 East 72 Street, Suite 12A, New York, NY 10021
HARDWARE REQD: PRIME 350 and up
LANGUAGE: FORTRAN
DESCRIPTION: Device Driver for use with Applied Digital Data
Systems (ADDS) Regent terminals. It is required when using
PRIME'S FORMS software package to enable the ADDS CRT to
behave as if it were an OWL1200. Currently running with ADDS
REGENT 60 and 200 terminals, PRIMOS Rev 15 and FORMS Rev 15.
Currently compiled as a V-Mode program.
COST: REALCO will supply to the end user an installation
license for a run-only version of the device driver. Multiple
CPU licenses can be arranged by direct negotiation. REALCO
will provide support for the device driver. This is a charge-
able product and price will be quoted upon request.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: GMENU
CONTACT: Michael L. Jacobson, REALCO Information Systems Inc.,
520 East 72 Street, Suite 12A, New York, NY 10021
HARDWARE REQD: PRIME 350 and up
LANGUAGE: FORTRAN
DESCRIPTION: GMENU/MPCS is a table-driven menu-formatting and
program access system that enables the user to dynamically
build menus that contain only the names of entries that the
operator will be allowed to access. Access control is main-
tained by a series of tables that can reside in any UFD, and
therefore can be maintained out of the control of the appli-
cation programs. Currently operating under PRIMOS Rev 15 and
is fully compatible with REALCO's TSACCTLOG. Soft-
ware compiled as a V-Mode program.
RESTRICTIONS: Currently will directly access up to 850 programs.
Can access both stand-alone programs and control programs
thereby increasing the number of applications under
its control. Also, builds a central file that can be called
for information useful in the stamping of records.
PRICE: Price will be quoted upon request.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: XTLOG (Time Sharing/Accounting Login)
CONTACT: Michael L. Jacobson, REALCO Information Systems Inc.,
520 East 72 Street, Suite 12A, New York, NY 10021
HARDWARE REQD: PRIME 350 and up
LANGUAGE: FORTRAN
DESCRIPTION: TSACCTLG is a table-driven external login that
enables the user to control access to the system via the
usage of the standard PRIME UFD naming convention. Program
creates a record for each user at time of login and logout
to enable the monitoring of resource usage, connect time, etc
The accounting program will create an actual service bureau
type bill which lists sessions, disk utilization, and the
relevant statistics collected. Currently operating under
PRIMOS Rev 15 and is fully compatible with REALCO's MPCS.
COST: Price will be quoted upon request.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: BGS-1 (Business Graphics System)
CONTACT: Ray S. Babcock, Custom Computer Systems, 115 W. Kagy,
Bozeman, Montana 59715
HARDWARE REQD: Prime 350 and up (Prime 300 version also available)
LANGUAGE: FORTRAN
DESCRIPTION: An interactive system allowing an operator to gener-
ate financial graphs on either a CRT or graphics terminal.
Line graphs with 5 line types and 15 symbol types, Bar charts
(stacked and simple) with up to 11 types of shading, Pie charts
(simple or exploded), and scatter diagrams are sup-
ported. Over 35 interactive commands allow the operator to
try various graphing options before sending the plot to a
plotter. All supporting software not Prime standard is supp-
lied with the package.
PRICE: Contact Ray Babcock, Custom Computer Systems, 406-587-
1255 for price information. 24 hour phone 406-586-3070.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: RSA/DBLOG
CONTACT: Carl Dula, R. Shriver Associates,
1259 Route 46, Building #2, Parsippany, New Jersey 07054
HARDWARE REQD: PRIME 150 to 750, Prime 400 and 500
LANGUAGE: FORTRAN
PURPOSE: RSA/DBLOG is a complete transaction logging and recovery
system for on-line applications.
RSA/DBLOG provides the facility for recovering from a loss of
data right up to the point where the failure occurred. The
RSA/DBLOG system maintains a log record of all file additions,
changes and deletions on magnetic tape and/or disk. All
logging records are checkpointed to insure only completed
records are reposted during the recovery process. All partial
records are reported on an exception display, and not part-
ially reposted. The RSA/DBLOG system has the ability to selec-
tively repost only certain transactions, if so desired by the
user. This feature is controlled by transaction ID number as
stored on the logging record.
COST: Price will be quoted upon request.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: RSA/TABLES
CONTACT: Carl Dula, R. Shriver Associates,
1259 Route 46, Building #2, Parsippany, New Jersey 07054
HARDWARE REQD: PRIME 150 to 750, Prime 400 and 500
LANGUAGE: FORTRAN
PURPOSE: RSA/TABLES is an in-memory shared table lookup and
maintenance subsystem specifically designed for use on PRIME
computers with 64V mode addressing capability.
COST: Price will be quoted upon request.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: RSA/FORMS
CONTACT: Carl Dula, R. Shriver Associates,
1259 Route 46, Building #2, Parsippany, New Jersey 07054
HARDWARE REQD: PRIME 150 to 750, Prime 400 and 500
Page Mode CRT terminal with visual enhancements
LANGUAGE: FORTRAN
PURPOSE: RSA/FORMS is a software system that provides a block
mode formatted screen capability for the PRIME interactive
data processing environment.
RSA/FORMS provides a simplified and standardized technique
for transfer of data items, or groups up to a page, between
the user program and a video terminal. RSA/FORMS has incorpor-
ated easy to use techniques for defining a form and all asso-
ciated data items. Forms can be defined in an EDITOR file,
creating a source file for a forms compiler. Or, alternatively
they can be painted on the screen, and the associated form
image created directly from the display.
COST: Price will be quoted upon request.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: RSA/EDM
CONTACT: Carl Dula, R. Shriver Associates,
1259 Route 46, Building #2, Parsippany, New Jersey 07054
HARDWARE REQD: PRIME 150 to 750, Prime 400 and 500
LANGUAGE: FORTRAN
PURPOSE: RSA/EDM is an on-line conversational MIDAS editor, query,
and simple report generation module. It combines a simple
'English-like' language with the MIDAS file access portion
of the PRIME system, to enable users to query, add, change,
and delete records within a MIDAS file.
COST: Price will be quoted upon request.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: RSA/TSPOOL
CONTACT: Carl Dula, R. Shriver Associates,
1259 Route 46, Building #2, Parsippany, New Jersey 07054
HARDWARE REQD: PRIME 150 to 750, Prime 400 and 500
LANGUAGE: FORTRAN
PURPOSE: RSA/TSPOOL is a remote terminal/line printer spooling
subsystem. It allows either terminal printers or line printers
(with EIA RS-232 interface) connected to AMLC lines to be used
as spooled devices.
The RSA/TSPOOL system will support up to nine remote spool
devices. It will respond to all commands of the standard
PRIME spooler and will maintain its own separate spool queue.
Output may be directed to any one of the remote printers
simply by specifying its device number in the spool command.
COST: Price will be quoted upon request.

PULSE LIBRARY PROGRAMS UPDATE

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: RSA/DBUTIL
CONTACT: Carl Dula, R. Shriver Associates,
1259 Route 46, Building #2, Parsippany, New Jersey 07054
HARDWARE REQD: PRIME 150 to 750, Prime 400 and 500
LANGUAGE: FORTRAN
PURPOSE: RSA/DBUTIL is a software subsystem that provides a Data Dictionary, Data Base Layout feature, and a maintenance activity.
The RSA/DBUTIL system supports the use of PRIME's Multiple Index Direct Access System (MIDAS) indexed sequential files, binary sequential and direct access (SAM/DAM) files. It offers system designers and programmers several valuable tools for defining, maintaining and operating on a data base.
COST: Price will be quoted upon request.

PROGRAM NUMBER: CHARGEABLE
PROGRAM NAME: PCS (Project Control System)
CONTACT: Carl Dula, R. Shriver Associates,
1259 Route 46, Building #2, Parsippany, New Jersey 07054
HARDWARE REQD: PRIME 150 to 750, Prime 400 and 500
Page Mode CRT terminal with visual enhancements
LANGUAGE: FORTRAN
PURPOSE: The RSA Project Control System is a versatile package which provides management with project accounting and control information. It operates in an on-line environment, utilizing formatted screen page mode video display terminals. All costs associated with a project such as labor, material, outside services, etc., are accumulated to provide control of projects with respect to costs, budgets, schedules and valuation of work-in-process.
COST: Price will be quoted upon request.

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