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HEWLETT **hp** PACKARD

CLASSIFICATION CODE CATEGORY

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    317 NUMERICAL DIFFERENTIATION
    318 ORDINARY DIFFERENTIAL EQUATIONS
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    870 ENGLISH (EDUCATION)
    871 FOREIGN LANGUAGES (EDUCATION)
    872 READING (EDUCATION)
    880 BUSINESS (EDUCATION)
    885 EDUCATIONAL ADMINISTRATION
    890 VOCATIONAL (EDUCATION)

900 UNCLASSIFIED

    901 DEMONSTRATIONS
    903 GAMES
    904 PLOTTING ROUTINES (non-BASIC Library)
    905 MICROCODE (non-BASIC Library)

About the HP 2000 CONTRIBUTED LIBRARY

GENERAL

Hewlett Packard makes available a great many user written programs through the HP 2000 Contributed Library. These programs are collected from all over the world and range from complex data communications packages to educational games.

Before writing a program for your particular application we suggest you scan this INDEX to the library. You may find a program you can use without modification, or as a starting point for developing your own special-purpose software.

This INDEX is divided into two separate sections:

- Time-shared BASIC/2000

- 2000 Non-BASIC (FORTRAN, ALGOL, HP Assembly Language)

Refer to the appropriate section for a complete list of available programs and ordering information. (Prices listed in this INDEX are subject to change.)

ERRORS IN CONTRIBUTED SOFTWARE

Contributed software is checked by HP personnel; however, it is impractical to test programs under all circumstances. If you do encounter errors, please report them to the HP Contributed Library on the Error Report forms supplied with library Handbooks and Catalogs.

The Hewlett Packard Company makes no warranty, expressed or implied and assumes no responsibility in connection with the program material listed hereon.

NEW CONTRIBUTIONS

New contributed programs are welcome for consideration as entries to the library. In screening programs, particular emphasis is placed on submittals of widespread usefulness. A documentation form for BASIC contributed programs is included in this INDEX; documentation forms for non-BASIC programs are included in the Contributor's Guide (HP 5952-4372) available from your local HP sales office. If you have a program to share with other HP users, please fill out the appropriate documentation form and submit it, along with software and listing, to Hewlett-Packard Company, HP 2000 Contributed Library, 11000 Wolfe Road, Cupertino, California 95014.

TIME-SHARED BASIC/2000
CONTRIBUTED PROGRAM LIBRARY

ORDERING INFORMATION

Contact your local HP sales office for ordering information of contributed software. Programs are available individually on paper tape, or collectively, on magnetic tape. Documentation is provided in 5 volumes of BASIC Handbooks, and in some cases additional user manuals and classroom supplementary materials are available. (See list of Supplementary Documentation).

Documentation

Volume I   HP 36000-91001
                Time-shared BASIC/2000 Program
                Documentation . . . . Price $10
Contains documentation for programs in categories:
100 DATA HANDLING
200 TESTING, DEBUGGING AND PROGRAM-
     MING AIDS

Volume II   HP 36000-91002
                Time-shared BASIC/2000 Program
                Documentation . . . . Price $10
300 MATH AND NUMERICAL ANALYSIS
400 PROBABILITY AND STATISTICS
500 SCIENTIFIC AND ENGINEERING
     APPLICATIONS

Volume III   HP 36000-91003
                Time-shared BASIC/2000 Program
                Documentation . . . . Price $10
600 MANAGEMENT SCIENCES AND
     OPERATIONS RESEARCH
700 BUSINESS AND MANUFACTURING
     APPLICATIONS

Volume IV   HP 36000-91004
                Time-shared BASIC/2000 Program
                Documentation . . . . Price $15
800 EDUCATION

Volume V   HP 36000-91005
                Time-shared BASIC/2000 Program
                Documentation . Price to be determined
900 GAMES (available Fall, 1974)

Supplementary Documentation

These manuals should be ordered for proper operation of the software.

BOLA	Bombardment of Light Atoms	5951-7177	****
CASE1	Cases in Computer and Model Assisted Marketing: Planning	5951-5661	$5
CASE2	Cases in Computer and Model Assisted Marketing: Data Analysis	5951-5662	$5
COBOL	COBOL/2000: A Primer	5951-5664	$8.98
CTC1	Complete Documentation for CTC1	36210, Option D00	$5
CTC2	Complete Documentation for CTC2	36211, Option D00	$5
CTC3	Complete Documentation for CTC3	36212, Option D00	$5
CTC4	Complete Documentation for CTC4	36213, Option D00	$5
CTC5	Complete Documentation for CTC5	36214, Option D00	$5
CTC6	Complete Documentation for CTC6	36638, Option D00	$5
FINDIT	FINDIT Users Manual	36250, Option D00	$5
GRAZE	GRAZE Ecology Simulation Student Text	5951-5653	$3.50
	GRAZE Ecology Simulation Teachers Notes	5951-5654	$4
HPPLOT	Users Manual (from HP/San Diego Div.)	72050-90002	$5
IDA	IDA: Conversational Statistics	5951-5606	***
PILOT	PILOT Reference Manual	5951-5660	$6.50

***IDA Manual will be available Fall, 1974.
   Price to be determined.
****Price to be determined.

Software

Mag Tape (2000F DUMP tape) 1 for each volume

*HP 36000-10001 Software for Volume I . . . Price $25
*HP 36000-10002 Software for Volume II. . . Price $25
*HP 36000-10003 Software for Volume III. . Price $50
*HP 36000-10004 Software for Volume IV. . Price $50
*HP 36000-10005 Software for Volume V. . . Price $25
                   (available Fall, 1974)

*Note: 800 BPI.
      1600 BPI tapes are also available.

Paper Tape

Paper tapes are priced at $10 per box, and are ordered by the individual program number, Option K01. The following programs have more than one box, and are priced as shown:

**CASE1	HP 36790,	K01	$30
**CASE2	HP 36841,	K01	$30
CLIMAT	HP 36760,	K01	$50
**COBOL	HP 36845,	K01	$40
**CTC1	HP 36210,	K01	$80
**CTC2	HP 36211,	K01	$120
**CTC3	HP 36212,	K01	$30
**CTC4	HP 36213,	K01	$110
**CTC5	HP 36214,	K01	$40
**CTC6	HP 36638,	K01	$80
GPAC	HP 36636,	K01	$40
HPASMB	HP 36806,	K01	$20
**HPPLOT	HP 36805,	K01	$20
PI2	HP 36737,	K01	$20
**PILOTE	HP 36637,	K01	$20
**PILOTF	HP 36756,	K01	$20
SETUPC	HP 36209,	K01	$20
SGFMS	HP 36832,	K01	$20
SNOBOL	HP 36849,	K01	$20
TUTOR	HP 36139,	K01	$60

**Note: See list of Supplementary Documentation.

Available on Mag Tape Only

The programs listed below are not available on paper tape. Order the appropriate mag tape corresponding to the Volume containing the documentation. For example, the INDEX shows that FINDIT is found in Volume I. Therefore, software is ordered by ordering the mag tape for Volume I (HP 36000-10001).

CARLOS	HP 36175	GCHLIN	HP 36503
CHARS	HP 36220	GDAPI	HP 36507
COLREG	HP 36282	GVPDQT	HP 36554
EDIT2K	HP 36838	IDA	HP 36755*
FINDAD	HP 36867	PLOTS	HP 36840
FINDIT	HP 36250*		

*Note: See also list of Supplementary Documentation.

CHARSE, HP 36757 is available on 2000E library disc cartridge.

HP TSB/2000E SYSTEM USERS

The library programs compatible with TSB/2000E system operation are available on a disc cartridge, HP 02000-90059, price $150, dated October, 1973, as well as individually on paper tape. This disc will be updated with the next library update and will include a number of programs written for TSB/2000F systems and modified by TSB/2000E system users. New software is also being written to simplify the loading of the library onto the TSB/2000E systems so that command tapes will no longer be needed.

SYSTEMS SPECIFICATIONS

Library programs have been collected over a period of years, and some of the earlier programs were written for a single terminal BASIC system, or an early version of the HP 2000 series Time-share systems.

The chart below lists varying system features. In many cases slight modifications in coding will allow a program to RUN on systems other than the one for which it was originally written. The list of available programs in this INDEX indicates current system compatibility for individual programs.

Program Features	2000A	2000B	2000C	2000E	2000C High-Speed 2000F
Maximum Program Size	5100 Words	5100 Words	10000 Words	4180 Words	10000 Words
Maximum Number of Files	8	8	16	4	16
Maximum Number of Records/File	128	128	32767	48	32767
Maximum Number of Words/Record	64	64	256	128	256
Programmable Functions:					
TIME		x	x	x	x
ENTER		x	x		x
COMMON		x	x	x	x
CHAIN		Chain-"Name"	Chain-"$Name" Statement No.	Chain-"$Name"	Chain-"$Name" Statement No.
		x	x	x	x
PRINT USING (IMAGE)			x		x
BRK					x
ASSIGN			x		x
RESTARTABLE RND			x	x	x
SPACE			x		x
LINE			x		x

TIME-SHARED BASIC/2000 CONTRIBUTED PROGRAMS

(See also Cross Reference Index)

100 DATA HANDLING (VOLUME I)

NAME	TITLE	ORDER NO.	SYSTEM
-ASCII	: ASCII CODE GENERATOR	36257A	F
?AIRE	: QUESTIONNAIRE ANALYSIS	36807A	* F
ADDRES	: ADDRESS LABELS	36231A	E
ALFTOV	: ALPHA TO VARIABLE CONVERSION	36296B	E
ASCII*	: CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	36256B	F
CALNDR	: PRINTS A CALENDAR	36288A	F
CHARS	: ASCII CHARACTER SET	36220A	E
CHARSE	: ASCII CHARACTER SET FOR HP 2000E	36757A	E
DATER	: DATE AND DAY OF THE WEEK	36298B	E
EDIT2K	: TEXT EDITOR FOR THE HP 2000C/2000C'/F	36838A	* F
EDITOR	: FILE MANIPULATION - CREATES, EDITS, LISTS, SORTS, EMULATES G.E. MK II.	36749A	* F
FGRAPH	: SIMULTANEOUS FUNCTION GRAPHER	36165A	E
FILDUM	: PAPER TAPE FILE DUMP	36008C	E
FILES	: FILE MANIPULATION - CREATES, SORTS, UPDATES, COPIES, CHANGES FORMAT	36645B	* F
FILIN	: KEYBOARD FILE LOADING PROGRAM	36007A	E
FILIS	: FILE LISTING PROGRAM	36272A	F
FILIST	: LISTS FILE CONTENTS BY RECORD NUMBER	36009D	* E
FILMAN	: FILE MANAGER	36006A	F
FILOAD	: LOADS A FILE FROM THE TELETYPE	36010C	E
FILREA	: REENTERS THE DATA TAPE DUMPED BY FILDUM	36011A	E
FILRPT	: REPORTS FILE CONTENTS AND STRUCTURE	36247A	F
FINDAD	: CONVERTS A FILE TO A FINDIT FILE	36867A	* F
FINDIT	: INFORMATION RETRIEVAL SYSTEM	36250C	* F
FLCOPY	: COPIES ONE FILE INTO ANOTHER	36012B	E
FMS	: FILE MANAGEMENT SYSTEM	36648A	E
FORMAT	: ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	36005B	E
FORMIF	: F AND I FORMAT	36612A	E
FPLOT	: FUNCTION PLOT	36112A	E
GRAPHS	: DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	36115A	E
GTAPID	: PAPER TAPE TITLER	36548A	F
HAZEL	: HAZELTINE 2000 USER SUBROUTINES	36786B	* E
HELLO	: TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL	36125B	F
HISS	: SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	36235A	F
HPMLIT	: LIST/DUMP HP ASSEMBLER FILES	36218A	F
HPPLOT	: AUTOMATIC PLOTTING PROGRAM	36805A	F
INDEXR	: INDEXING PROGRAM	36770A	E
IRV	: FILE SORT ROUTINE	36232A	F
JULIAN	: JULIAN CALENDAR FOR THE CURRENT YEAR	36197A	E
LODUMP	: FILE LOAD/DUMP	36644A	F
MACRO	: A TEXT AND FILE PROCESSING SYSTEM	36003B	F
MESSAG	: INTERTERMINAL COMMUNICATOR	36284A	F
PI2	: INFORMATION SYSTEM	36737A	F
PLOT	: PLOTS A GIVEN FUNCTION ON THE TELETYPE	36104B	E
PLOT33	: KEYBOARD ENTRY MULTIPLE FUNCTION PLOTTER	36659A	F
PLOTS	: ASCII CHARACTER PLOTTER FOR 7200 PLOTTER	36840A	* F
PLOTWD	: WORD PLOTTER	36228B	E
PRINT	: GENERATES LARGE LETTERS	36299A	F
PSQUAR	: PATTERN SQUARES FOR HP 7200A PLOTTER	36249A	* F
SLAB	: SYSTEM LIBRARY ABSTRACTS	36647A	E
SORT	: FILE SERIAL STRING SORT	36122A	F
SPSORT	: SPEED SORT - GENERAL PURPOSE FILE SORT	36736A	* F
STGINT	: STRING-INTEGER CONVERSIONS	36176A	E
STGSRT	: SORTS STRINGS FROM FILES	36145A	F
SYSDAT	: SYSTEM DATE UTILITY	36634A	F
TALK	: TIME SHARING SYSTEM COMMUNICATION	36222A	F
TIDEX	: SYMBOLIC FILE EDITOR	36204B	F
TIMER	: TIME OF THE DAY	36297B	E
TITLE	: CHARACTER GENERATION	36114B	* F
UCHARS	: CREATES FILE 'VCHAR'	36560A	* F
VCHART	: INVESTMENT DECISIONS USING TEKTRONIX 4010	36555A	F
VREGPL	: PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	36556A	F
VSUB	: DISPLAY ROUTINE USING TEKTRONIX 4010	36558B	* F
VTTT	: TIC-TAC-TOE ON THE TEKTRONIX 4010	36559A	F
XTRACT	: MANUAL/TAPE FILE LOADER AND DUMP PROGRAMS	36221A	F

200 TESTING, DEBUGGING, AND PROGRAMMING AIDS (VOLUME I)

NAME	TITLE	ORDER NO.	SYSTEM
DATA	: DUMPS FILE TO DATA STATEMENTS	36287A	F
XREF	: BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	36143C	F

300 MATH AND NUMERICAL ANALYSIS (VOLUME II)

NAME	TITLE	ORDER NO.	SYSTEM
BASCAL	: BASE CALCULATOR	36847A	* E
BESSEL	: CALCULATES BESSEL FUNCTION OF FIRST KIND	36019A	E
CALCOM	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT	36131A	F
CDETER	: COMPUTES VALUE OF COMPLEX DETERMINANT	36025A	E
CROUT1	: SOLVES SIMULTANEOUS LINEAR EQUATIONS	36027A	E
CRVFT	: LEAST-SQUARES CURVEFITTING	36633A	E
CTRFFT	: COMPLEX TO REAL FAST FOURIER TRANSFORM	36028A	F
CXARTH	: VECTOR ARITHMETIC	36118B	* E
CXEXP	: VECTOR EXPONENTIATION	36119A	E
DBLFIT	: LEAST SQUARES FIT TO POINTS WITH UNCERTAINTIES IN BOTH VARIABLES	36252A	E
DC-OC	: DECIMAL-TO-OCTAL CONVERTER	36747A	E
DE-1OR	: 1ST ORDER DIFFERENTIAL EQUATION	36032A	E
DE-2OR	: 2ND ORDER DIFFERENTIAL EQUATION	36033A	E
DETER4	: DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	36263A	F
EXTPRE	: 40-DIGIT PRECISION MATHEMATICS	36144A	E
FACTOR	: FINDS PRIME FACTORS OF POSITIVE INTEGERS	36037A	E
FNCTS	: COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	36017A	E
GFFT	: GENERAL FAST FOURIER TRANSFORM	36030A	F
GSIMEQ	: SIMULTANEOUS LINEAR EQUATIONS	36547A	F
INTGR	: DEFINITE INTEGRAL BY MEANS OF 3-POINT GAUSSIAN INTEGRATION FORMULA	36698A	E
INTGRS	: COMPUTES THE AREA UNDER A CURVE	36699A	E
NEWTON	: INTERPOLATION OF NON-LINEAR FUNCTIONS BY NEWTON'S FORMULA	36652A	* E
OC-DC	: OCTAL-TO-DECIMAL CONVERTER	36712A	E
PARABO	: EQUATION OF PARABOLA PASSING THROUGH 3 GIVEN POINTS	36702A	E
POLFTE	: FITS LEAST-SQUARES POLYNOMIALS	36246A	E
POLY	: POLYNOMIAL APPROXIMATION	36188A	E
POLYGN	: COMPUTES THE AREA ENCLOSED IN ANY POLYGON	36703A	E
QUADRA	: ANALYZES A QUADRATIC EQUATION	36704A	E
ROMINT	: INTEGRATES A FUNCTION (ROMBERG METHOD)	36022B	E
ROOTER	: FINDS THE ROOTS OF POLYNOMIALS	36024A	E
ROOTNL	: FINDS ROOTS OR FIXED POINTS OF A NON-LINEAR FUNCTION	36697A	E
ROOTNR	: LOCATES ROOT OF A FUNCTION WHOSE DERIVATIVE IS KNOWN	36696A	E
RTCFFT	: REAL TO COMPLEX FAST FOURIER TRANSFORM	36029A	F
SOLVIT	: SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	36196A	E
SPHERE	: SOLVES SPHERICAL TRIANGLES	36034A	E

400 PROBABILITY AND STATISTICS (VOLUME II)

NAME	TITLE	ORDER NO.	SYSTEM
ANCOV	: ANALYSIS OF COVARIANCE	36294A	E
ANOVA	: FACTORIAL ANALYSIS OF VARIANCE (FIVE-WAY, FOR ANY BALANCED DESIGN)	36870A	* F
ANOVA3	: THREE FACTORIAL ANALYSIS OF VARIANCE	36271A	F
ANVA1	: ONE-WAY ANALYSIS OF VARIANCE USING SAMPLE MEANS AND STD. DEVIATIONS	36871A	* E
ANVAR1	: ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	36039B	E
ANVAR2	: ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	36040B	E
ANVAR3	: ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN	36172A	E
ANVAR4	: TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT	36173A	E
BICONF	: CONFIDENCE LIMITS	36691A	E
BINOPO	: PROBABILITY DISTRIBUTION COMPARISONS	36041A	E
BITEST	: BINOMIAL PROPORTION	36692A	E
CHISQ	: COMPUTES PROBABILITY OF CHI-SQUARE VALUES	36042A	E
CHISQS	: CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	36043B	E
CONLM1	: COMPUTES CONFIDENCE LIMITS FOR AN UNKNOWN POPULATION MEAN	36694A	E
CONLM2	: COMPUTES CONFIDENCE LIMITS FOR DIFFERENCE BETWEEN TWO POPULATION MEANS	36693A	E
CORREL	: CORRELATION COEFFICIENT	36689A	E
CROSS2	: CROSS TABULATION AND CHI-SQUARE	36860A	* F
CURFIT	: PERFORMS LEAST SQUARES FIT	36038D	* E
EVPI	: COMPUTES THE EXPECTED VALUE OF PERFECT INFORMATION	36588A	E
FC	: ANALYSIS OF LOG TAPE	36120A	E
FISHER	: FISHER'S EXACT PROBABILITY TEST	36606A	F
FREQ1	: FAST FREQUENCY DISTRIBUTIONS	36864A	* F
FRQ	: FREQUENCY BETWEEN BOUNDRIES	36191B	F
FVALUE	: EXACT PROBABILITY OF AN F-RATIO WITH DEGREES OF FREEDOM (M,N)	36720A	E
GANOVA	: ANALYSIS OF VARIANCE (2-WAY)	36501A	F
GEOMEN	: STATISTICS OF GEOMETRIC DISTRIBUTION	36045A	E
GRANK	: RANKING STATISTICS	36541A	F
GRGPLT	: SIMPLE REGRESSION AND PLOT	36542A	F
GTASPD	: SUBJECTIVE PROBABILITY DISTRIBUTION	36549A	F
GWBULL	: SUBJECTIVE PROBABILITY - RANDOM VALUES	36551A	F
HISTOG	: A HISTOGRAM FORMED FROM A SET OF NUMBERS	36055B	E
IDA	: INTERACTIVE DATA ANALYSIS	36755B	* F
KR20	: ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY	36137A	E

400 PROBABILITY AND STATISTICS, Continued
(VOLUME II)

NAME	TITLE	ORDER NO.	SYSTEM
LOGRAM	LOG-ON TAPE ANALYZER	36001A	F
MANDSD	CALCULATES BASIC STATISTICS FOR GROUPED AND/OR UNGROUPED DATA	36748A	E
MARKOV	COMPUTES FOR AN ERGODIC MARKOV CHAIN	36701A	F
MLREG	MULTIPLE REGRESSION PROGRAM	36661A	* E
MULREG	MULTIPLE REGRESSION/CORRELATION	36178A	F
MULTX	LEAST-SQUARES FIT, MULTIPLE Y'S PER X	36186A	E
PMSD	POOLED MEANS AND STANDARD DEVIATIONS	36863A	* E
POLFIT	FITS LEAST-SQUARES POLYNOMIALS	36023B	F
PROB	COMPUTES BINOMIAL, POISSON AND HYPERGEOMETRIC PROBABILITIES	36718A	E
PSRC	POWER SERIES REGRESSION CURVE WITH X-AXIS OFFSET	36793A	* F
REGCOR	REGRESSION/CORRELATION	36054B	E
REGRES	STEP-WISE REGRESSION	36738A	F
RNDORD	PLACING INTEGERS IN RANDOM ORDER	36264A	E
SCORES	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	36136A	E
SEVPRO	CHI-SQUARE TEST	36719A	E
STAT06	CALCULATES SIGN TEST CONFIDENCE INTERVAL	36724A	E
STAT07	CALCULATES THE CONFIDENCE LIMITS FOR A SET OF DATA	36725A	E
STAT08	COMPARES TWO GROUPS OF DATA USING THE MEDIAN TEST	36732A	E
STAT14	ANALYSIS OF VARIANCE AND F-RATIOS (RANDOMIZED COMPLETE BLOCK DESIGN)	36730A	E
STAT16	COMPUTES AN ANALYSIS OF VARIANCE TABLE AND F-RATIOS	36729A	E
STAT17	ANALYSIS OF VARIANCE FOR A BALANCED INCOMPLETE BLOCK DESIGN	36728A	E
STAT18	COMPUTES ANALYSIS OF VARIANCE TABLE	36727A	E
STAT19	KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE	36607A	F
STAT2	MANN-WHITNEY 2 SAMPLE RANK TEST	36052A	E
STAT20	FRIEDMAN TWO-WAY ANALYSIS OF VARIANCE	36608A	E
STAT3	SPEARMAN RANK CORRELATION COEFFICIENTS	36053A	E
T-TEST	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	36170A	E
TESTUD	TEST UNKNOWN POPULATION MEAN	36722A	E
TVALUE	COMPUTES THE EXACT PROBABILITY OF A T-VALUE WITH A TWO-TAILED TEST	36721A	E

500 SCIENTIFIC AND ENGINEERING APPLICATIONS
(VOLUME II)

NAME	TITLE	ORDER NO.	SYSTEM
ACNODE	AC CIRCUIT ANALYSIS PROGRAM	36057A	F
ACTFIL	ACTIVE FILTER DESIGN	36293A	F
ANALAD	CIRCUIT ANALYSIS	36056A	F
BEMDES	RECOMMENDS CORRECT STEEL BEAM USE	36109A	E
DEBYE	COMPUTES DEBYE OR EINSTEIN FUNCTION	36059A	E
FORCST	WEATHER FORECASTING PROGRAM	36750A	* E
GENFIL	DESIGNS PASSIVE FILTERS	36784A	F
HTXFR	TWO DIMENSIONAL HEAT TRANSFER	36058A	F
KSWEEP	FREQUENCY PLOT OF POLES AND ZEROES IN A COMPLEX PLANE	36771A	F
LPFLTR	DESIGNS LOW-PASS FILTERS	36060A	E
METRIC	CONVERTS ENGLISH TO METRIC	36635A	F
MICRO	MICROWAVE PARAMETERS CONVERSION	36062A	E
MIXSPR	MIXER SPURIOUS RESPONSE PROGRAM	36064A	E
SUNSET	SUNRISE-SUNSET PREDICTOR	36180A	E
T-CPL	THERMOCOUPLE TABLE PACKAGE	36654A	* E
WAVFN	COMPUTES AND PLOTS THE RADIAL PART OF HYDROGEN-LIKE WAVE FUNCTIONS	36733A	E

600 MANAGEMENT SCIENCES
AND OPERATIONS RESEARCH (VOLUME III)

NAME	TITLE	ORDER NO.	SYSTEM
CPATH	CRITICAL PATH EVALUATION	36171B	F
DECSN	TOP MANAGEMENT DECISION GAME	36065C	E
DYNPRO	DYNAMIC PROGRAMMING MODEL	36067A	F
GCPATH	CRITICAL PATH ANALYSIS	36504A	F
GCPM1	CRITICAL PATH ANALYSIS	36505A	F
GINTLP	LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO	36512A	F
GLP	LINEAR PROGRAMMING	36516A	F
GLPSA1	LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD	36517A	F
GNETFL	NETWORK FLOW	36529A	F
GSSS	SMALL SYSTEMS SIMULATOR	36552A	F
GVOTE	COMMITTEE CHOICE ANALYSIS	36550A	F
LINPRO	LINEAR PROGRAMMING MODEL	36068C	* F
LINQUP	SOLVES EITHER A LINEAR OR QUADRATIC PROGRAMMING PROBLEM	36710A	E
LNTRND	LINEAR TREND FORECASTING	36069A	E
M/M/1	QUEUEING SYSTEM	36655A	E
M/M/S	QUEUEING SYSTEM	36656A	E

600 MANAGEMENT SCIENCES AND
OPERATIONS RESEARCH, Continued (VOLUME III)

NAME	TITLE	ORDER NO.	SYSTEM
MAXFLO	MAXIMUM FLOW IN A CAPACITATED NETWORK	36609A	F
SHORTR	SHORTEST ROUTE PROOBLEM	36610A	F
TIMDIF	FIRST DIFFERENCES, PERCENT CHANGES, PERCENT DIFFERENCE	36801A	* F
TRANSP	TRANSPORTATION PROBLEM	36230A	F

700 BUSINESS AND MANUFACTURING APPLICATIONS
(VOLUME III)

NAME	TITLE	ORDER NO.	SYSTEM
ANNUIT	ANNUITY ANALYSIS	36074A	E
BALSHT	PROFORMA INCOME STATEMENT AND BALANCE SHEET	36075A	F
BNDPRC	BOND PRICE ANALYSIS	36076B	E
BNDSWH	BOND SWITCH ANALYSIS	36077A	F
BNDYLD	BOND YIELD ANALYSIS	36078B	E
BNKRSV	BANK RESERVE CALCULATIONS	36079A	E
BUDGET	DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	36073A	F
CAPDCF	CAPITAL INVESTMENT ANALYSIS (DISCOUNTED CASH FLOW METHOD)	36825A	* F
CAPINV	CAPITAL INVESTMENT ANALYSIS	36080A	E
CSHFL	CASH FLOW ANALYSIS	36142B	E
CTC1	CTC MANUFACTURING PARTS CONTROL	36210B	F
CTC2	CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	36211B	F
CTC3	CTC PROJECTION PROGRAMS	36212B	F
CTC4	CTC PAYROLL PROGRAMS	36213B	F
CTC5	CTC ACCOUNTS RECEIVABLE	36214B	F
CTC6	CTC ACCOUNTS PAYABLE	36638A	F
DEPCOM	DEPRECIATION METHOD COMPARISON	36082A	E
DROIPB	DISCOUNTED RETURN ON INVESTMENT AND PAYBACK	36179A	E
EQUITY	COST OF EQUITY CAPITAL	36083A	E
EXDRSK	EXTENDED RISK ANALYSIS	36084A	E
EXPEND	BUDGET EXPENDITURES VS. TARGETS MONITOR	36111B	F
EXSMOO	EXPONENTIAL SMOOTHING ON PRICE DATA	36085B	E
FINFLO	CALCULATES PRESENT VALUE - STREAM OF CASH FLOWS	36711A	E
GCHLIN	RATING INVESTMENT FUNDS	36503A	F
GDAPI	ABNORMAL PERFORMANCE INDEX	36507A	F
GDPA	EFFICIENT 'CORNER' PORTFOLIOS	36508A	F
GFNRAT	FINANCIAL RATIOS	36510A	F
GIRRPV	INVESTMENT RETURN (CASH FLOW)	36513A	F
GKASSF	WARRANT PRICE CALCULATION	36514A	F
GKCOST	PRICE/EARNINGS RATIO CALCULATION	36515A	F
GNMRVB	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	36530A	F
GNPSUM	GROSS NATIONAL PRODUCT SUMMARY	36086A	E
GRISKA	RISK ANALYSIS IN CAPITAL INVESTMENT	36543A	F
GSTKVL	STOCK VALUATION	36545A	F
GTHOR	SECURITIES EPS GROWTH	36553A	F
GVPDQT	PLOTTING DATA	36554A	F
IATA.1	CALCULATE AIR FREIGHT RATES	36164B	F
IATA.C	CALCULATES BREAKPOINT OF IATA CONTAINERS	36241B	* F
IATATA	ANALYSIS OF IATA AND ATA UNITIZATION PROGRAM	36876A	* F
IN/OUT	INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	36088A	E
INACNT	NATIONAL INCOME & PRODUCT ACCOUNTS	36087A	E
INSTMT	INCOME STATEMENT	36089B	E
LEASIN	LEASE INCOME	36194A	E
LENDER	SIMPLE LOAN ANALYSIS	36090A	E
LESSEE	LEASE ANALYSIS AS DETERMINED BY THE LESSEE	36091B	* E
LOAN	LOAN AMORTIZATION	36226A	F
MARKOW	SECURITIES PORTFOLIO USING MARKOWITZ MODEL	36092B	E
MCOST	COMPARE AND EVALUATE UP TO 1000 MORTGAGE PAYMENT PLANS SIMULTANEOUSLY	36709A	E
MKBUY	MAKE-BUY DECISION ANALYSIS	36093A	E
MORGAG	MORTGAGE ANALYSIS	36094B	E
REP	DATA CENTER INVENTORY REPORT GENERATOR	36177A	F
SALES	SALES COMMISSION REPORT	36095A	E
SAVING	COMPOUND INTEREST	36708A	E
STKINC	STOCK MERGER INCENTIVE PROGRAM	36096A	E
STKRTN	STOCK RETURNS REPORT	36098A	E
STKSMO	EXPONENTIAL SMOOTHING AS A STOCK GUIDE	36099A	E
STKVAL	STOCK VALUE & EVALUATION REPORT	36100A	E
TRCK.1	CALCULATE TRUCK FREIGHT RATES	36174A	F
TRUINT	TRUE ANNUAL INTEREST RATE ANALYSIS	36101A	E
VRRC	INVESTMENT STRATEGY ANALYSIS	36557A	F

801 MATHEMATICS (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.		SYSTEM
ALGIE	BASIC ALGEBRA DRILL	36851A	*	F
AREA	COMPUTER-AUGMENTED CALCULUS TOPICS	36668A		E
BASE	BASE CONVERTER	36796A	*	E
BISQAR	SQUARING BINOMIALS	36240A		E
CADAII	COMPUTER ASSISTED ARITHMETIC DRILL	36205A		E
CRVLEN	COMPUTES LENGTH OF ANY CURVE	36333A		E
CVAREA	AREA UNDER CURVE	36620A		E
CXSYSS	SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	36262A		E
DERSIN	COMPUTER-AUGMENTED CALCULUS TOPICS	36663A		E
DERTIV	COMPUTER-AUGMENTED CALCULUS TOPICS	36662A		E
DESCAL	DESK CALCULATOR SUBROUTINE	36674A		E
DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	36159A		E
DIMIS	X-Y AXIS SEGMENT PROGRAM	36277A		F
DRILL	BASIC ARITHMETIC DRILL	36129A		F
EXTEND	INFINITE PRECISION MATH UTILITY PROGRAM	36253A		F
FUNDTH	COMPUTER-AUGMENTED CALCULUS TOPICS	36664A		E
GAME	CLASSIC MATRIX OF GAME THEORY	36265A		F
GRAPH1	COMPUTER-AUGMENTED CALCULUS TOPICS	36665A		E
GRAPH2	COMPUTER-AUGMENTED PHYSICS TOPICS	36666A		E
INTEGR	COMPUTER-AUGMENTED CALCULUS TOPICS	36667A		E
LIMSIN	LIMIT OF (SIN X)/X	36622A		E
LINES	CONVERSATIONAL COMPUTER GENERATED CALCULUS QUIZ	36700A		E
LOGIC	LOGIC EXAMINATION PROGRAMS	36251B		E
PI	CALCULATES PI	36623A		E
POLSUB	POLYNOMIAL SUBTRACTION	36239A		E
QUADT	NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	36335A		E
RATIO	SOLVES PROPORTIONS	36336A		E
ROOTS2	QUADRATIC EQUATION SOLVER	36625A		E
SAT	TRIGONOMETRIC SOLUTIONS OF TRIANGLES	36182A		E
SETS	UNION AND INTERSECTION OF SETS	36337A		E
SIPRAC	PRACTICE WITH SIGNED NUMBERS	36238A		F
SLOPE	FINDS DERIVATIVES	36625A		E
SQRT	FINDS SQUARE ROOT	36627A		E
STATAL	ARITHMETIC MEAN	36628A		E
SURFAC	AREA OF SURFACE OF REVOLUTION	36338A		E
SYSSOL	SOLVING SYSTEMS OF LINEAR EQUATIONS	36278A		F
TENS	DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	36128A		F
TRIFAC	FACTORING QUADRATIC TRINOMIALS	36237A		E
TRUTH	TRUTH TABLES FOR BOOLEAN EXPRESSIONS	36602B		E
TWQUES	MATHEMATICAL GAME OF TWENTY QUESTIONS	36130A		E
VOLSOL	VOLUME OF SOLID OF REVOLUTION	36339A		E
WKSHT	GENERATES MATH WORKSHEETS	36133A		E

810 PROGRAMMING AND COMPUTER SCIENCE (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.		SYSTEM
BRAIN	BRAIN SIMULATOR PROGRAM	36219A		E
COBOL	HP COBOL SIMULATOR	36845B	*	F
HPASMB	HP ASSEMBLER PACKAGE	36806A		F
P-TUA	PILOT TUTORIAL	36758B		E
P-TUB	PILOT TUTORIAL	36775A		E
P-TUC	PILOT TUTORIAL	36877A	*	F
PILOTE	PILOT 73 AUTHOR LANGUAGE FOR HP 2000E	36637B	*	E
PILOTF	PILOT 73 AUTHOR LANGUAGE FOR THE HP 2000F	36755B	*	F
SNOBOL	SNOBOL3 COMPILER FOR HP 2000C SYSTEM	36849A	*	F
STOP	COMPUTER LITERACY - PSEUDO-MACHINE LANGUAGE	36208B		E
STPAL	STOP MACHINE AND ASSEMBLY LANGUAGE SIMULATOR	36765A		F
TM	TURING MACHINE SIMULATOR	36743A		E
TUTOR	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	36139A		E

820 ENGINEERING (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.	SYSTEM
AC-1	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	36152A	E
COMPLX	CAI IN ALGEBRA OF COMPLEX NUMBERS	36153A	E
DVDRS	CAI IN VOLTAGE AND CURRENT DIVIDERS	36156A	E
EXPNTL	CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	36148A	E
INDMTR	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	36154A	E
JACOBI	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	36167A	E
POLAR	PLOTS SINGLE VARIABLE IN POLAR FORM	36155A	E
SOLVER	SOLVES COMPLEX SIMULTANEOUS EQUATIONS	36149A	F
UNITS	CAI IN INTERPRETATION OF EE UNITS	36157A	E

830 ECONOMICS (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.	SYSTEM
CIRFLW	CIRCULAR FLOW MODEL	36632A	E
GMCR01	FISCAL POLICY GAME	36519A	F
GMCR05	ECONOMIC POLICY GAME	36521A	F

833 SCIENCE (EDUCATION) Continued, (VOLUME IV)

NAME	TITLE	ORDER NO.		SYSTEM
ALERA	PROPAGATION OF ERROR	36603B		E
ATOM	DERIVES THE ELECTRONIC CONFIGURATION OF ANY ELEMENT	36705A		E
ATWT	CALCULATES ATOMIC WEIGHT	36613A		E
AVOGA	AVOGADRA'S NUMBER	36614A		E
BFIELD	MAGNETIC FIELD PICTURE	36312A		E
BOHR	ENERGY LEVEL DIAGRAM	36313A		E
BOLA	NUCLEAR PHYSICS GAME	36879A	*	F
CALORI	CALORIMETRY EXPERIMENT	36314A		E
CHARG	MILLIKAN'S OIL-DROP EXPERIMENT	36621A		E
CHEM	SELF-CORRECTING CHEMISTRY TEST	36295B		E
CHEM1	CAI IN CHEMISTRY	36878A	*	F
CLIMAT	CLIMATE TEACHING PROGRAM	36760A	*	F
CLOUDS	CLOUD FORMATION	36325A		E
CONVRT	TEMPERATURE SCALE CONVERSION	36685A		E
DECAY1	RADIOACTIVE DECAY GAME	36306A		E
DECAY2	NUCLEAR DECAY	36307A		E
DRAGON	SOLAR ECLIPSE SIMULATION	36785A		E
DROS	GENETIC CHARACTERISTICS	36300A		E
EFIELD	ELECTRIC FIELD STRENGTH	36629A		E
EINDIS	EINSTEIN DISTORTIONS	36716A	*	E
ELMENT	DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS	36267A		F
EMPIR	CALCULATES EMPIRICAL FORMULAS	36615A		E
EQUIL1	EQUILIBRIUM SYSTEMS	36308A		E
EVOLU	NATURAL SELECTION EXPERIMENT	36301A		E
GAMGN	PROCESS OF GAMETOGENESIS	36302A		E
GENE1	GENETICS SIMULATION	36642B		E
GRAZE	GRASSLANDS ECOLOGY SIMULATION	36746A		F
H-LIFE	HALF LIFE SIMULATION	36134A		E
IONIC	DRILL ON FORMULAS AND CHARGES OF IONS	36260A		F
IONIC1	DRILL ON FORMULAS OF IONIC COMPOUNDS	36266A		F
ISOMER	DRILL ON NAMING ALKANES	36261A		F
KINERV	REVIEW OF KINEMATICS	36315A		E
KINET	KINETIC REACTION	36309A		E
LANDIN	COMPUTER-AUGMENTED PHYSICS TOPICS	36670A		E
LENSES	SOLVES LENS PROBLEMS	36630A		E
LOCKEY	LOCK & KEY MODEL OF ENZYME ACTION	36624A		E
MALAR	MALARIA ERADICATION PROGRAM	36797A		E
MASSD	MASS DEFECT	36310A		E
MEMBR	DIFFUSION EXPERIMENT	36611A		E
MKS1	COMPUTER-AUGMENTED PHYSICS TOPICS	36671A		E
MKS2	COMPUTER-AUGMENTED PHYSICS TOPICS	36673A		E
MOLAR	ACID-BASE TITRATION	36616A		E
NEWTN2	NEWTON'S 2ND LAW	36316A		E
NZYM2	ENZYME REACTION RATE	36304A		E
NZYMC	ENZYMATIC REACTION RATES	36303A		E
ORBIT	INTEGRATES EQUATIONS OF MOTION	36121A		E
ORG1	TEACHES STRAIGHT ALKANE NOMENCLATURE AND NAMING OF BRANCHED ALKANES	36826A	*	E
ORGCHE	DRILL ON ORGANIC COMPOUND NOMENCLATURE	36646A		F
P-HYP	SCIENTIFIC METHOD AND HYPOTHESIS	36759A		E
P-KEPL	KEPLER'S 3RD LAW	36779A		E
PHOSYN	PHOTOSYNTHESIS EXPERIMENT	36305A		E
PHOTEL	PHOTOELECTRIC EFFECT	36317A		E
PHOTON	ENERGY LEVEL PROBLEM	36318A		E
PHPOH	PH, POH, PCT, DISSOCIATION	36617A		E
PLANK	A PHOTOELECTRIC SIMULATION	36350A		E
POLUT	WATER POLLUTION SIMULATION	36639B		E
POP	POPULATION GROWTH	36844A		E
PRCNT	PERCENT COMPOSITION	36311A		E
PRJTL	PROJECTILE MOTION	36631A		E
REFLCT	LEAST TIME PRINCIPLE AND LIGHT	36319A		E
REFLEC	COMPUTER-AUGMENTED PHYSICS TOPICS	36672A		E
REFRAC	COMPUTER-AUGMENTED PHYSICS TOPICS	36669A		E
SLITS	YOUNG'S DOUBLE SLIT EXPERIMENT	36351B		E
SNELL	SNELL'S LAW	36320A		E
SPACE	SPACECRAFT ORBITS	36321A		E
SPCTRA	OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	36184A		E
STERL	FLY POPULATION CONTROL	36641B		E
STOICH	MASS VOLUME	36618A		E
USPOP	HUMAN POPULATION PROJECTION	36802A	*	E
VFIELD	POTENTIAL FIELD PICTURE	36322A		E
VLOCTY	INSTANTANEOUS VELOCITY	36323A		E
WATER1	WATER BUDGET PROBLEM CHECK	36326A		E
WATER2	WATER BUDGET	36327A		E
WAVES	SUM OF TWO WAVES	36324B		E

850 FINE ARTS (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.	SYSTEM
KEYSIG	GIVES MAJOR SCALES	36258A	E
MUSIC2	TRIAD SOLVING PROGRAM	36276A	E
MUSIC5	FINDS DOMINANT SEVENTHS	36259A	E

**SEE LIST OF SUPPLEMENTARY DOCUMENTATION
*NEW OR REVISED SINCE FEBRUARY 1974

860 SOCIAL SCIENCE (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.	SYSTEM
BALANC	TRADE AND PAYMENT BALANCES	36328A	E
BANK	SOLVES FINANCIAL PROBLEMS	36329B	E
CHARGE	CHARGE ACCOUNT SIMULATION	36684A	F
CONSMP	DEPRESSION/EQUILIBRIUM	36330A	E
ELECT	CAMPAIGN STRATEGY AND ELECTIONS	36798A	* E
POLICY	STUDENTS FORMULATE NATIONAL POLICY	36649A	E
POLSYS	SIMULATION OF CITY COUNCIL	36640B	E
SAP	SURVEY ANALYSIS PROGRAM	36843A	E
STOCK	STOCK MARKET SIMULATION	36331A	E
WHEELS	AUTO PURCHASE AND MAINTENANCE SIMULATION	36187B	F

870 ENGLISH (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.	SYSTEM
VOCAB	CAI IN WORD USAGE	36880A	* E

871 FOREIGN LANGUAGES (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.	SYSTEM
CARLOS	COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II	36175A	F

880 BUSINESS (EDUCATION) (VOLUME IV)

NAME	TITLE	ORDER NO.	SYSTEM
BNKSIM	SIMULATES ONE YEAR'S DEPOSIT AND WITHDRAWAL ACTIVITIES OF SMALL BANK	36713A	E
CASE1	CASES IN COMPUTER AND MODEL ASSISTED MARKETING: PLANNING	36790A	F
CASE2	CASES IN COMPUTER AND MODEL ASSISTED MARKETING: DATA ANALYSIS	36841A	F
GSPMG	STANFORD PORTFOLIO MANAGEMENT GAME	36502A	F
LABOR	LABOR/MANAGEMENT BARGAINING	36233A	F
MARKET	TWO COMPANIES IN ONE-PRODUCT COMPETITION	36619A	E
MRKSIM	MARKETING SIMULATION	36199A	F
SETUPC	MANAGEMENT SIMULATION GAME FOR THE 2000C	36209B	F

885 EDUCATIONAL ADMINISTRATION (VOLUME IV)

NAME	TITLE	ORDER NO.	SYSTEM
ATTEND	ABSENTEE LISTING	36202A	F
AVERG1	AVERAGES AND CURVES GRADES	36340B	* E
BASKET	BASKETBALL STATISTICS	36605A	F
COLREG	COLLEGE REGISTRATION DEMO	36282A	F
FREQ	BAR GRAPHS OF GRADES	36341A	E
GMARKS	GSB GRADING PROGRAM	36518A	F
GPAC	COLLEGE GRADE PACKAGE	36636A	E
GRADE	TEST GRADE FOR NUMBER OF QUESTIONS MISSED	36342A	E
ITEM1	NUMBER FREQUENCIES	36343A	E
SALSIM	SALARY SCHEDULE COST SIMULATOR	36072A	F
SGFMS	STUDENT GRADE FILE MANAGEMENT SYSTEM	36832A	* F
STAT	STATISTICAL ANALYSIS OF LAB DATA	36344A	E

903 GAMES (VOLUME V)

NAME	TITLE	ORDER NO.	SYSTEM
AFLIFE	JOHN CONWAY'S GAME OF LIFE	36353A	F
BAGELS	THREE-DIGIT NUMBER GUESSING	36360A	F
BATNUM	PLAYS THE BATTLE OF NUMBERS GAME	36105A	E
BATTLE	BATTLESHIP GAME	36236A	E
BIRDAY	BIRTHDAY PROBABILITY	36653A	F
BLJACK	GAME OF TWENTY-ONE	36103A	E
CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC	36110A	F
CHASE	PURSUIT OF A TARGET	36683A	E
CLOCKS	GUESSING TIME GIVEN METRIC CLUE WORDS	36657A	E
DRAG	SIMULATES A DRAG RACE	36601B	E
FTBL	FOOTBALL	36181A	E
GOLF	A GOLF GAME	36102A	E
GOMOKU	9 BY 9 BOARD GAME	36735A	F
GRNPRX	GRAN PRIX RACING GAME	36686A	E
KENO	$25,000.00 KENO GAME	36244A	F
LANDER	ROCKET LANDING VEHICLE	36684A	E
LIFE	A GAME OF CELLULAR GENERATION GROWTH	36138A	F
QUADGT	FOUR-DIGIT NUMBER GUESSING GAME	36768A	F
QUBIC	PLAYS 3-DIMENSIONAL TIC-TAC-TOE	36106A	E
ROULET	ROULETTE	36650A	F
SLOT	SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	36107A	E
STTRI	STAR TREK	36243B	F
TEASER	BRAIN TEASER PUZZLE	36764A	E
WORD	A WORD GAME	36660A	F

This is only a partial list. See HP's Games Book, HP 36000-91005 (available September 1974) for a complete list of games.

*New or revised since February 1974

TIME-SHARED BASIC/2000 CONTRIBUTED PROGRAMS CROSS REFERENCE INDEX

CHEMISTRY

		ORDER NO.	VOLUME	SYSTEM
ATOM	: DERIVES THE ELECTRONIC CONFIGURATION OF ANY ELEMENT	36705A	4	E
ATWT	: CALCULATES ATOMIC WEIGHT	36613A	4	E
AVOGA	: AVOGADRA'S NUMBER	36614A	4	E
CALORI	: CALORIMETRY EXPERIMENT	36314A	4	E
CHEM1	: CAI IN CHEMISTRY	36878A	4 *	F
DECAY1	: RADIOACTIVE DECAY GAME	36306A	4	E
DECAY2	: NUCLEAR DECAY	36307A	4	E
EMPIR	: CALCULATES EMPIRICAL FORMULAS	36615A	4	E
EQUIL1	: EQUILIBRIUM SYSTEMS	36308A	4	E
H-LIFE	: HALF LIFE SIMULATION	36134A	4	E
KINET	: KINETIC REACTION	36309A	4	E
MASSD	: MASS DEFECT	36310A	4	E
MOLAR	: ACID-BASE TITRATION	36616A	4	E
ORG1	: TEACHES STRAIGHT ALKANE NOMENCLATURE AND NAMING OF BRANCHED ALKANES	36826A	4 *	E
ORGCHE	: DRILL ON ORGANIC COMPOUND NOMENCLATURE	36646A	4	F
PHOSYN	: PHOTOSYNTHESIS EXPERIMENT	36305A	4	E
PHPOH	: PH, POH, PCT, DISSOCIATION	36617A	4	E
PRCNT	: PERCENT COMPOSITION	36311A	4	E
SPCTRA	: OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	36184A	4	E
STOICH	: MASS VOLUME	36618A	4	E
T-CPL	: THERMOCOUPLE TABLE PACKAGE	36654A	2 *	E

CIVIL ENGINEERING

		ORDER NO.	VOLUME	SYSTEM
BEMDES	: RECOMMENDS CORRECT STEEL BEAM USE	36109A	2	E

CODE/RADIX CONVERSION

		ORDER NO.	VOLUME	SYSTEM
ALFTOV	: ALPHA TO VARIABLE CONVERSION	36296B	1	E
STGINT	: STRING-INTEGER CONVERSIONS	36176A	1	E

COMPLEX

		ORDER NO.	VOLUME	SYSTEM
CDETER	: COMPUTES VALUE OF COMPLEX DETERMINANT	36025A	2	E
CTRFFT	: COMPLEX TO REAL FAST FOURIER TRANSFORM	36028A	2	F
CXSYSS	: SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	36262A	4	E
FNCTS	: COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	36017A	2	E
GFFT	: GENERAL FAST FOURIER TRANSFORM	36030A	2	F
ROOTS2	: QUADRATIC EQUATION SOLVER	36625A	4	E
RTCFFT	: REAL TO COMPLEX FAST FOURIER TRANSFORM	36029A	2	F

COMPLEX ARITHMETIC

		ORDER NO.	VOLUME	SYSTEM
COMPLX	: CAI IN ALGEBRA OF COMPLEX NUMBERS	36153A	4	E
CXARTH	: VECTOR ARITHMETIC	36118B	2 *	E
CXEXP	: VECTOR EXPONENTIATION	36119A	2	E
FNCTS	: COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	36017A	2	E
SOLVER	: SOLVES COMPLEX SIMULTANEOUS EQUATIONS	36149A	4	F

COMPUTER SCIENCE

		ORDER NO.	VOLUME	SYSTEM
ALERA	: PROPAGATION OF ERROR	36603B	4	E
BRAIN	: BRAIN SIMULATOR PROGRAM	36219A	4	E
HPASMB	: HP ASSEMBLER PACKAGE	36806A	4	F
P-TUA	: PILOT TUTORIAL	36758B	4	E
P-TUB	: PILOT TUTORIAL	36775A	4	E
P-TUC	: PILOT TUTORIAL	36877A	4 *	F
PILOTE	: PILOT 73 AUTHOR LANGUAGE FOR HP 2000E	36637B	4	E
PILOTF	: PILOT 73 AUTHOR LANGUAGE FOR THE HP 2000F	36756B	4	F
SNOBOL	: SNOBOL3 COMPILER FOR HP 2000C SYSTEM	36849A	4 *	F
STOP	: COMPUTER LITERACY - PSEUDO-MACHINE LANGUAGE	36208B	4	E
STPAL	: STOP MACHINE AND ASSEMBLY LANGUAGE SIMULATOR	36765A	4	F
TM	: TURING MACHINE SIMULATOR	36743A	4	E
TUTOR	: TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	36139A	4	E

CONTINUOUS SYSTEMS SIMULATION

		ORDER NO.	VOLUME	SYSTEM
GSSS	: SMALL SYSTEMS SIMULATOR	36552A	3	F

CONVERSION

		ORDER NO.	VOLUME	SYSTEM
DC-OC	: DECIMAL-TO-OCTAL CONVERTER	36747A	2	E
OC-DC	: OCTAL-TO-DECIMAL CONVERTER	36712A	2	E
STGINT	: STRING-INTEGER CONVERSIONS	36176A	1	E

COOLEY-TUKEY

		ORDER NO.	VOLUME	SYSTEM
CTRFFT	: COMPLEX TO REAL FAST FOURIER TRANSFORM	36028A	2	F
GFFT	: GENERAL FAST FOURIER TRANSFORM	36030A	2	F
RTCFFT	: REAL TO COMPLEX FAST FOURIER TRANSFORM	36029A	2	F

CORRELATION ANALYSIS

		ORDER NO.	VOLUME	SYSTEM
ANVAR4	: TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT	36173A	2	E
CORREL	: CORRELATION COEFFICIENT	36689A	2	E
IDA	: INTERACTIVE DATA ANALYSIS	36755B	2 *	F
MULREG	: MULTIPLE REGRESSION/CORRELATION	36178A	2	F
PSRC	: POWER SERIES REGRESSION CURVE WITH X-AXIS OFFSET	36793A	2 *	F

CRITICAL PATH ANALYSIS

		ORDER NO.	VOLUME	SYSTEM
CPATH	: CRITICAL PATH EVALUATION	36171B	3	F
GCPATH	: CRITICAL PATH ANALYSIS	36504A	3	F
GCPM1	: CRITICAL PATH ANALYSIS	36505A	3	F

CROSS REFERENCE

		ORDER NO.	VOLUME	SYSTEM
XREF	: BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	36143C	1	F

CURVE FITTING

		ORDER NO.	VOLUME	SYSTEM
CRVFT	: LEAST-SQUARES CURVEFITTING	36633A	2	E
CURFIT	: PERFORMS LEAST SQUARES FIT	36038D	2 *	E
DBLFIT	: LEAST SQUARES FIT TO POINTS WITH UNCERTAINTIES IN BOTH VARIABLES	36252A	2	E
POLFTE	: FITS LEAST-SQUARES POLYNOMIALS	36246A	2	E
POLY	: POLYNOMIAL APPROXIMATION	36188A	2	E
PSRC	: POWER SERIES REGRESSION CURVE WITH X-AXIS OFFSET	36793A	2 *	F

DATA COMMUNICATIONS

		ORDER NO.	VOLUME	SYSTEM
MESSAG	: INTERTERMINAL COMMUNICATOR	36284A	1	F

DATA HANDLING UTILITIES

		ORDER NO.	VOLUME	SYSTEM
CALNDR	: PRINTS A CALENDAR	36288A	1	F
DATA	: DUMPS FILE TO DATA STATEMENTS	36287A	1	F
DATER	: DATE AND DAY OF THE WEEK	36298B	1	E
EDITOR	: FILE MANIPULATION - CREATES, EDITS, LISTS, SORTS, EMULATES G.E. MK II.	36749A	1 *	F
FILDUM	: PAPER TAPE FILE DUMP	36008C	1	E
FILES	: FILE MANIPULATION - CREATES, SORTS, UPDATES, COPIES, CHANGES FORMAT	36645B	1 *	F
FILIN	: KEYBOARD FILE LOADING PROGRAM	36007A	1	E
FILIS	: FILE LISTING PROGRAM	36272A	1	F
FILIST	: LISTS FILE CONTENTS BY RECORD NUMBER	36009D	1 *	E
FILMAN	: FILE MANAGER	36006A	1	F
FILOAD	: LOADS A FILE FROM THE TELETYPE	36010C	1	E
FILREA	: REENTERS THE DATA TAPE DUMPED BY FILDUM	36011A	1	E
FILRPT	: REPORTS FILE CONTENTS AND STRUCTURE	36247A	1	F
FINDAD	: CONVERTS A FILE TO A FINDIT FILE	36867A	1 *	F
FMS	: FILE MANAGEMENT SYSTEM	36648A	1	E
HELLO	: TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL	36125B	1	F
HPMLIT	: LIST/DUMP HP ASSEMBLER FILES	36218A	1	F
JULIAN	: JULIAN CALENDAR FOR THE CURRENT YEAR	36197A	1	E
LODUMP	: FILE LOAD/DUMP	36644A	1	F
PI2	: INFORMATION SYSTEM	36737A	1	F
SLAB	: SYSTEM LIBRARY ABSTRACTS	36647A	1	E
SYSDAT	: SYSTEM DATE UTILITY	36634A	1	F
TALK	: TIME SHARING SYSTEM COMMUNICATION	36222A	1	F
TIMER	: TIME OF THE DAY	36297B	1	E

DEBUGGING AIDS

		ORDER NO.	VOLUME	SYSTEM
XREF	: BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	36143C	1	F

DECIMAL

		ORDER NO.	VOLUME	SYSTEM
DC-OC	: DECIMAL-TO-OCTAL CONVERTER	36747A	2	E
OC-DC	: OCTAL-TO-DECIMAL CONVERTER	36712A	2	E

DETERMINANT

		ORDER NO.	VOLUME	SYSTEM
CDETER	: COMPUTES VALUE OF COMPLEX DETERMINANT	36025A	2	E

DIFFERENTIAL

		ORDER NO.	VOLUME	SYSTEM
DE-1OR	: 1ST ORDER DIFFERENTIAL EQUATION	36032A	2	E
DE-2OR	: 2ND ORDER DIFFERENTIAL EQUATION	36033A	2	E
SLOPE	: FINDS DERIVATIVES	36626A	4	E

DISCRETE SYSTEMS SIMULATION

		ORDER NO.	VOLUME	SYSTEM
DECSN	: TOP MANAGEMENT DECISION GAME	36065C	3	E
GSSS	: SMALL SYSTEMS SIMULATOR	36552A	3	F
GVOTE	: COMMITTEE CHOICE ANALYSIS	36550A	3	F
M/M/1	: QUEUEING SYSTEM	36655A	3	E
M/M/S	: QUEUEING SYSTEM	36656A	3	E

DUMPING

		ORDER NO.	VOLUME	SYSTEM
DATA	: DUMPS FILE TO DATA STATEMENTS	36287A	1	F
FILDUM	: PAPER TAPE FILE DUMP	36008C	1	E
FILMAN	: FILE MANAGER	36006A	1	F
FMS	: FILE MANAGEMENT SYSTEM	36648A	1	E
HPMLIT	: LIST/DUMP HP ASSEMBLER FILES	36218A	1	F
LODUMP	: FILE LOAD/DUMP	36644A	1	F
XTRACT	: MANUAL/TAPE FILE LOADER AND DUMP PROGRAMS	36221A	1	F

DYNAMIC PROGRAMMING

		ORDER NO.	VOLUME	SYSTEM
DYNPRO	: DYNAMIC PROGRAMMING MODEL	36067A	3	F
SHORTR	: SHORTEST ROUTE PROOBLEM	36610A	3	F

ECONOMIC ANALYSIS

		ORDER NO.	VOLUME	SYSTEM
DECSN	: TOP MANAGEMENT DECISION GAME	36065C	3	E
GMCR01	: FISCAL POLICY GAME	36519A	4	F
GMCR05	: ECONOMIC POLICY GAME	36521A	4	F
GNPSUM	: GROSS NATIONAL PRODUCT SUMMARY	36086A	3	E
IN/OUT	: INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	36088A	3	E
INACNT	: NATIONAL INCOME & PRODUCT ACCOUNTS	36087A	3	E

ECONOMICS (EDUCATION)

		ORDER NO.	VOLUME	SYSTEM
BALANC	: TRADE AND PAYMENT BALANCES	36328A	4	E
BANK	: SOLVES FINANCIAL PROBLEMS	36329B	4	E
CHARGE	: CHARGE ACCOUNT SIMULATION	36604A	4	F
CIRFLW	: CIRCULAR FLOW MODEL	36632A	4	E
CONSMP	: DEPRESSION/EQUILIBRIUM	36330A	4	E
GMCR01	: FISCAL POLICY GAME	36519A	4	F
GMCR05	: ECONOMIC POLICY GAME	36521A	4	F

TIME-SHARED BASIC/2000 CONTRIBUTED PROGRAMS
CROSS REFERENCE INDEX

Name	Description	Order No.	Volume	*	System
GNPSUM	GROSS NATIONAL PRODUCT SUMMARY	36086A	3		E
LABOR	LABOR/MANAGEMENT BARGAINING	36233A	4		F
MARKET	TWO COMPANIES IN ONE-PRODUCT COMPETITION	36619A	4		E
STOCK	STOCK MARKET SIMULATION	36331A	4		E
WHEELS	AUTO PURCHASE AND MAINTENANCE SIMULATION	36187B	4		F

EDITING

Name	Description	Order No.	Volume	*	System
EDIT2K	TEXT EDITOR FOR THE HP 2000C/2000C'/F	36838A	1	*	F
EDITOR	FILE MANIPULATION - CREATES, EDITS, LISTS, SORTS, EMULATES G.E. MK II.	36749A	1	*	F
FILMAN	FILE MANAGER	36006A	1		F
FINDIT	INFORMATION RETRIEVAL SYSTEM	36250C	1	*	F
MACRO	A TEXT AND FILE PROCESSING SYSTEM	36003B	1		F
PI2	INFORMATION SYSTEM	36737A	1		F
TIDEX	SYMBOLIC FILE EDITOR	36204B	1		F

EDUCATIONAL ADMINISTRATION

Name	Description	Order No.	Volume	*	System
ATTEND	ABSENTEE LISTING	36202A	4		F
AVERG1	AVERAGES AND CURVES GRADES	36340B	4	*	E
BASKET	BASKETBALL STATISTICS	36605A	4		F
COLREG	COLLEGE REGISTRATION DEMO	36282A	4		F
FREQ	BAR GRAPHS OF GRADES	36341A	4		E
GMARKS	GSB GRADING PROGRAM	36518A	4		F
GPAC	COLLEGE GRADE PACKAGE	36636A	4		E
GRADE	TEST GRADE FOR NUMBER OF QUESTIONS MISSED	36342A	4		E
ITEM1	NUMBER FREQUENCIES	36343A	4		E
SALSIM	SALARY SCHEDULE COST SIMULATOR	36072A	4		F
SGFMS	STUDENT GRADE FILE MANAGEMENT SYSTEM	36832A	4	*	F
STAT	STATISTICAL ANALYSIS OF LAB DATA	36344A	4		E

EIGENVALUES AND EIGENVECTORS

Name	Description	Order No.	Volume	*	System
JACOBI	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	36167A	4		E

ELECTRICAL ENGINEERING

Name	Description	Order No.	Volume	*	System
AC-1	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	36152A	4		E
ACNODE	AC CIRCUIT ANALYSIS PROGRAM	36057A	2		F
ACTFIL	ACTIVE FILTER DESIGN	36293A	2		F
ANALAD	CIRCUIT ANALYSIS	36056A	2		F
DEBYE	COMPUTES DEBYE OR EINSTEIN FUNCTION	36059A	2		E
DVDRS	CAI IN VOLTAGE AND CURRENT DIVIDERS	36156A	4		E
EFIELD	ELECTRIC FIELD STRENGTH	36629A	4		E
GENFIL	DESIGNS PASSIVE FILTERS	36784A	2		F
INDMTR	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	36154A	4		E
KSWEEP	FREQUENCY PLOT OF POLES AND ZEROES IN A COMPLEX PLANE	36771A	2		F
LPFLTR	DESIGNS LOW-PASS FILTERS	36060A	2		E
MICRO	MICROWAVE PARAMETERS CONVERSION	36062A	2		E
MIXSPR	MIXER SPURIOUS RESPONSE PROGRAM	36064A	2		E
SOLVER	SOLVES COMPLEX SIMULTANEOUS EQUATIONS	36149A	4		F
T-CPL	THERMOCOUPLE TABLE PACKAGE	36654A	2	*	E
UNITS	CAI IN INTERPRETATION OF EE UNITS	36157A	4		E

ENGINEERING (EDUCATION)

Name	Description	Order No.	Volume	*	System
AC-1	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	36152A	4		E
ACNODE	AC CIRCUIT ANALYSIS PROGRAM	36057A	2		F
ANALAD	CIRCUIT ANALYSIS	36056A	2		F
BEMDES	RECOMMENDS CORRECT STEEL BEAM USE	36109A	2		E
COMPLX	CAI IN ALGEBRA OF COMPLEX NUMBERS	36153A	4		E
DEBYE	COMPUTES DEBYE OR EINSTEIN FUNCTION	36059A	2		E
DVDRS	CAI IN VOLTAGE AND CURRENT DIVIDERS	36156A	4		E
EXPNTL	CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	36148A	4		E
GENFIL	DESIGNS PASSIVE FILTERS	36784A	2		F
GNETFL	NETWORK FLOW	36529A	3		F
GTHOR	SECURITIES EPS GROWTH	36553A	3		F
HTXFR	TWO DIMENSIONAL HEAT TRANSFER	36058A	2		F
INDMTR	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	36154A	4		E
JACOBI	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	36167A	4		E
LPFLTR	DESIGNS LOW-PASS FILTERS	36060A	2		E
MICRO	MICROWAVE PARAMETERS CONVERSION	36062A	2		E
MIXSPR	MIXER SPURIOUS RESPONSE PROGRAM	36064A	2		E
POLAR	PLOTS SINGLE VARIABLE IN POLAR FORM	36155A	4		E
SOLVER	SOLVES COMPLEX SIMULTANEOUS EQUATIONS	36149A	4		F
SOLVIT	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	36196A	2		E
UNITS	CAI IN INTERPRETATION OF EE UNITS	36157A	4		E

ENGLISH (EDUCATION)

Name	Description	Order No.	Volume	*	System
VOCAB	CAI IN WORD USAGE	36880A	4	*	E

EXPERIMENTAL DESIGN

Name	Description	Order No.	Volume	*	System
ANOVA	FACTORIAL ANALYSIS OF VARIANCE (FIVE-WAY, FOR ANY BALANCED DESIGN)	36870A	2	*	F
ANVA1	ONE-WAY ANALYSIS OF VARIANCE USING SAMPLE MEANS AND STD. DEVIATIONS	36871A	2	*	E
ANVAR1	ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	36039B	2		E
ANVAR2	ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	36040B	2		E
ANVAR3	ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN	36172A	2		E

EXTENDED-PRECISION ARITHMETIC

Name	Description	Order No.	Volume	*	System
EXTEND	INFINITE PRECISION MATH UTILITY PROGRAM	36253A	4		F
EXTPRE	40-DIGIT PRECISION MATHEMATICS	36144A	2		E

FILE MANAGEMENT

Name	Description	Order No.	Volume	*	System
DATA	DUMPS FILE TO DATA STATEMENTS	36287A	1		F
EDITOR	FILE MANIPULATION - CREATES, EDITS, LISTS, SORTS, EMULATES G.E. MK II.	36749A	1	*	F
FILDUM	PAPER TAPE FILE DUMP	36008C	1		E
FILES	FILE MANIPULATION - CREATES, SORTS, UPDATES, COPIES, CHANGES FORMAT	36645B	1	*	F
FILIN	KEYBOARD FILE LOADING PROGRAM	36007A	1		E
FILIST	LISTS FILE CONTENTS BY RECORD NUMBER	36009D	1	*	E
FILMAN	FILE MANAGER	36006A	1		F
FILOAD	LOADS A FILE FROM THE TELETYPE	36010C	1		E
FILREA	REENTERS THE DATA TAPE DUMPED BY FILDUM	36011A	1		E
FILRPT	REPORTS FILE CONTENTS AND STRUCTURE	36247A	1		F
FINDAD	CONVERTS A FILE TO A FINDIT FILE	36867A	1	*	F
FINDIT	INFORMATION RETRIEVAL SYSTEM	36250C	1	*	F
FLCOPY	COPIES ONE FILE INTO ANOTHER	36012B	1		E
FMS	FILE MANAGEMENT SYSTEM	36648A	1		E
LODUMP	FILE LOAD/DUMP	36644A	1		F
MACRO	A TEXT AND FILE PROCESSING SYSTEM	36003B	1		F
PI2	INFORMATION SYSTEM	36737A	1		F
SPSORT	SPEED SORT - GENERAL PURPOSE FILE SORT	36736A	1	*	F
TIDEX	SYMBOLIC FILE EDITOR	36204B	1		F
XTRACT	MANUAL/TAPE FILE LOADER AND DUMP PROGRAMS	36221B	1	*	F

FINANCIAL ANALYSIS

Name	Description	Order No.	Volume	*	System
ANNUIT	ANNUITY ANALYSIS	36074A	3		E
BALSHT	PROFORMA INCOME STATEMENT AND BALANCE SHEET	36075A	3		F
BNKSIM	SIMULATES ONE YEAR'S DEPOSIT AND WITHDRAWAL ACTIVITIES OF SMALL BANK	36713A	4		E
CAPDCF	CAPITAL INVESTMENT ANALYSIS (DISCOUNTED CASH FLOW METHOD)	36825A	3	*	F
CAPINV	CAPITAL INVESTMENT ANALYSIS	36080A	3		E
CSHFL	CASH FLOW ANALYSIS	36142B	3		E
CTC3	CTC PROJECTION PROGRAMS	36212B	3		F
DEPCOM	DEPRECIATION METHOD COMPARISON	36082A	3		E
EQUITY	COST OF EQUITY CAPITAL	36083A	3		E
EXDRSK	EXTENDED RISK ANALYSIS	36084A	3		E
FINFLO	CALCULATES PRESENT VALUE - STREAM OF CASH FLOWS	36711A	3		E
GFNRAT	FINANCIAL RATIOS	36510A	3		F
GIRRPV	INVESTMENT RETURN (CASH FLOW)	36513A	3		F
GRISKA	RISK ANALYSIS IN CAPITAL INVESTMENT	36543A	3		F
INSTMT	INCOME STATEMENT	36099B	3		E
LEASIN	LEASE INCOME	36194A	3		E
LENDER	SIMPLE LOAN ANALYSIS	36090A	3		E
LESSEE	LEASE ANALYSIS AS DETERMINED BY THE LESSEE	36091B	3	*	E
LOAN	LOAN AMORTIZATION	36226A	3		F
MARKET	TWO COMPANIES IN ONE-PRODUCT COMPETITION	36619A	4		E
MCOST	COMPARE AND EVALUATE UP TO 1000 MORTGAGE PAYMENT PLANS SIMULTANEOUSLY	36709A	3		E
MKBUY	MAKE-BUY DECISION ANALYSIS	36093A	3		E
MORGAG	MORTGAGE ANALYSIS	36094B	3		E
SALSIM	SALARY SCHEDULE COST SIMULATOR	36072A	4		F
TRUINT	TRUE ANNUAL INTEREST RATE ANALYSIS	36101A	3		E

FINE ARTS (EDUCATION)

Name	Description	Order No.	Volume	*	System
KEYSIG	GIVES MAJOR SCALES	36258A	4		E
MUSIC2	TRIAD SOLVING PROGRAM	36276A	4		E
MUSIC5	FINDS DOMINANT SEVENTHS	36259A	4		E

FLOATING POINT

Name	Description	Order No.	Volume	*	System
FORMIF	F AND I FORMAT	36612A	1		E

FORECASTING TECHNIQUES

Name	Description	Order No.	Volume	*	System
EXSMOO	EXPONENTIAL SMOOTHING ON PRICE DATA	36085B	3		E
LNTRND	LINEAR TREND FORECASTING	36069A	3		E
PSRC	POWER SERIES REGRESSION CURVE WITH X-AXIS OFFSET	36793A	2	*	F
TIMDIF	FIRST DIFFERENCES, PERCENT CHANGES, PERCENT DIFFERENCE	36801A	3	*	F

FOREIGN LANGUAGES (EDUCATION)

Name	Description	Order No.	Volume	*	System
CARLOS	COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II	36175A	4		F

FORMAT

Name	Description	Order No.	Volume	*	System
FORMAT	ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	36005B	1		E
FORMIF	F AND I FORMAT	36612A	1		E

FOURIER

Name	Description	Order No.	Volume	*	System
CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM	36028A	2		F
GFFT	GENERAL FAST FOURIER TRANSFORM	36030A	2		F
RTCFFT	REAL TO COMPLEX FAST FOURIER TRANSFORM	36029A	2		F

FUNCTIONS, COMPUTATION OF

Name	Description	Order No.	Volume	*	System
BESSEL	CALCULATES BESSEL FUNCTION OF FIRST KIND	36019A	2		E
DERTIV	COMPUTER-AUGMENTED CALCULUS TOPICS	36662A	4		E
DESCAL	DESK CALCULATOR SUBROUTINE	36674A	4		E
FGRAPH	SIMULTANEOUS FUNCTION GRAPHER	36165A	1		E
FUNDTH	COMPUTER-AUGMENTED CALCULUS TOPICS	36664A	4		E
GRAPH1	COMPUTER-AUGMENTED CALCULUS TOPICS	36665A	4		E
GRAPH2	COMPUTER-AUGMENTED PHYSICS TOPICS	36666A	4		E
INTEQR	COMPUTER-AUGMENTED CALCULUS TOPICS	36667A	4		E
PARABO	EQUATION OF PARABOLA PASSING THROUGH 3 GIVEN POINTS	36702A	2		E
PLOT33	KEYBOARD ENTRY MULTIPLE FUNCTION PLOTTER	36659A	1		F
POLY	POLYNOMIAL APPROXIMATION	36188A	2		E
ROQTNL	FINDS ROOTS OR FIXED POINTS OF A NON-LINEAR FUNCTION	36697A	2		E
ROOTNR	LOCATES ROOT OF A FUNCTION WHOSE DERIVATIVE IS KNOWN	36696A	2		E

TIME-SHARED BASIC/2000 CONTRIBUTED PROGRAMS
CROSS REFERENCE INDEX

Columns: ORDER NO. / VOLUME / SYSTEM

GAMES

This is only a partial list. See HP's Games Book, HP 36000-91005 (available September 1974) for a complete list of games.

Name	Description	Order No.	Volume	System
AFLIFE	JOHN CONWAY'S GAME OF LIFE	36353A	5	F
BAGELS	THREE-DIGIT NUMBER GUESSING	36360A	5	F
BATNUM	PLAYS THE BATTLE OF NUMBERS GAME	36105A	5	E
BATTLE	BATTLESHIP GAME	36236A	5	E
BIRDAY	BIRTHDAY PROBABILITY	36653A	5	F
BLJACK	GAME OF TWENTY-ONE	36103A	5	E
BOLA	NUCLEAR PHYSICS GAME	36879A	4 *	F
CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC	36110A	5	F
CHARGE	CHARGE ACCOUNT SIMULATION	36604A	4	F
CHASE	PURSUIT OF A TARGET	36683A	5	E
CLOCKS	GUESSING TIME GIVEN METRIC CLUE WORDS	36657A	5	E
DRAG	SIMULATES A DRAG RACE	36601B	5	E
FTBL	FOOTBALL	36181A	5	E
GOLF	A GOLF GAME	36102A	5	E
GOMOKU	9 BY 9 BOARD GAME	36735A	5	F
GRNPRX	GRAN PRIX RACING GAME	36686A	5	E
KENO	$25,000.00 KENO GAME	36244A	5	F
LANDER	ROCKET LANDING VEHICLE	36684A	5	E
LIFE	A GAME OF CELLULAR GENERATION GROWTH	36138A	5	F
MRKSIM	MARKETING SIMULATION	36199A	4	F
QUADGT	FOUR-DIGIT NUMBER GUESSING GAME	36768A	5	F
QUBIC	PLAYS 3-DIMENSIONAL TIC-TAC-TOE	36106A	5	E
ROULET	ROULETTE	36650A	5	F
SETUPC	MANAGEMENT SIMULATION GAME FOR THE 2000C	36209B	4	F
SLOT	SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	36107A	5	E
STTR1	STAR TREK	36243B	5	F
TEASER	BRAIN TEASER PUZZLE	36764A	5	E
TWQUES	MATHEMATICAL GAME OF TWENTY QUESTIONS	36130A	4	E
WORD	A WORD GAME	36660A	5	F

GAUSSIAN

Name	Description	Order No.	Volume	System
BINOPO	PROBABILITY DISTRIBUTION COMPARISONS	36041A	2	E

GENERAL PROBABILITY

Name	Description	Order No.	Volume	System
CLIMAT	CLIMATE TEACHING PROGRAM	36760A	4 *	F
FORCST	WEATHER FORECASTING PROGRAM	36750A	2 *	E

GEOLOGY

Name	Description	Order No.	Volume	System
EVOLU	NATURAL SELECTION EXPERIMENT	36301A	4	E

GRAPHIC DISPLAY

Name	Description	Order No.	Volume	System
CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC	36110A	5	F
DRAGON	SOLAR ECLIPSE SIMULATION	36785A	4	E
FPLOT	FUNCTION PLOT	36112A	1	E
GRAPHS	DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	36115A	1	E
HAZEL	HAZELTINE 2000 USER SUBROUTINES	36786B	1 *	E
HPPLOT	AUTOMATIC PLOTTING PROGRAM	36805A	1	F
TITLE	CHARACTER GENERATION	36114B	1 *	F

HISTOGRAM

Name	Description	Order No.	Volume	System
HISS	SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	36235A	1	F
LOGRAM	LOG-ON TAPE ANALYZER	36001A	2	F

HISTORY (EDUCATION)

Name	Description	Order No.	Volume	System
ELECT	CAMPAIGN STRATEGY AND ELECTIONS	36798A	4 *	E

HUNTINGTON I

Name	Description	Order No.	Volume	System
ATWT	CALCULATES ATOMIC WEIGHT	36613A	4	E
AVERG1	AVERAGES AND CURVES GRADES	36340B	4 *	E
AVOGA	AVOGADRA'S NUMBER	36614A	4	E
BALANC	TRADE AND PAYMENT BALANCES	36328A	4	E
BANK	SOLVES FINANCIAL PROBLEMS	36329B	4	E
BFIELD	MAGNETIC FIELD PICTURE	36312A	4	E
BOHR	ENERGY LEVEL DIAGRAM	36313A	4	E
CALORI	CALORIMETRY EXPERIMENT	36314A	4	E
CHARG	MILLIKAN'S OIL-DROP EXPERIMENT	36621A	4	E
CIRFLW	CIRCULAR FLOW MODEL	36632A	4	E
CLOUDS	CLOUD FORMATION	36325A	4	E
CONSMP	DEPRESSION/EQUILIBRIUM	36330A	4	E
CRVLEN	COMPUTES LENGTH OF ANY CURVE	36333A	4	E
CVAREA	AREA UNDER CURVE	36620A	4	E
DECAY1	RADIOACTIVE DECAY GAME	36306A	4	E
DECAY2	NUCLEAR DECAY	36307A	4	E
DROS	GENETIC CHARACTERISTICS	36300A	4	E
EFIELD	ELECTRIC FIELD STRENGTH	36629A	4	E
EMPIR	CALCULATES EMPIRICAL FORMULAS	36615A	4	E
EQUIL1	EQUILIBRIUM SYSTEMS	36308A	4	E
EVOLU	NATURAL SELECTION EXPERIMENT	36301A	4	E
FREQ	BAR GRAPHS OF GRADES	36341A	4	E
GAMGN	PROCESS OF GAMETOGENESIS	36302A	4	E
GRADE	TEST GRADE FOR NUMBER OF QUESTIONS MISSED	36342A	4	E
ITEM1	NUMBER FREQUENCIES	36343A	4	E
KINERV	REVIEW OF KINEMATICS	36315A	4	E
KINET	KINETIC REACTION	36309A	4	E
LENSES	SOLVES LENS PROBLEMS	36630A	4	E
LIMSIN	LIMIT OF (SIN X)/X	36622A	4	E
MASSD	MASS DEFECT	36310A	4	E
MEMBR	DIFFUSION EXPERIMENT	36611A	4	E
MOLAR	ACID-BASE TITRATION	36616A	4	E
NEWTN2	NEWTON'S 2ND LAW	36316A	4	E
NZYM2	ENZYME REACTION RATE	36304A	4	E
NZYMC	ENZYMATIC REACTION RATES	36303A	4	E
PHOSYN	PHOTOSYNTHESIS EXPERIMENT	36305A	4	E
PHOTEL	PHOTOELECTRIC EFFECT	36317A	4	E
PHOTON	ENERGY LEVEL PROBLEM	36318A	4	E
PHPOH	PH, POH, PCT, DISSOCIATION	36617A	4	E
PI	CALCULATES PI	36623A	4	E
PLANK	A PHOTOELECTRIC SIMULATION	36350A	4	E
PRCNT	PERCENT COMPOSITION	36311A	4	E
PRJTL	PROJECTILE MOTION	36631A	4	E
QUADT	NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	36335A	4	E
RATIO	SOLVES PROPORTIONS	36336A	4	E
REFLCT	LEAST TIME PRINCIPLE AND LIGHT	36319A	4	E
ROOTS2	QUADRATIC EQUATION SOLVER	36625A	4	E
SLITS	YOUNG'S DOUBLE SLIT EXPERIMENT	36351B	4	E
SLOPE	FINDS DERIVATIVES	36626A	4	E
SNELL	SNELL'S LAW	36320A	4	E
SPACE	SPACECRAFT ORBITS	36321A	4	E
SQRT	FINDS SQUARE ROOT	36627A	4	E
STAT	STATISTICAL ANALYSIS OF LAB DATA	36344A	4	E
STATAL	ARITHMETIC MEAN	36628A	4	E
STOCK	STOCK MARKET SIMULATION	36331A	4	E
STOICH	MASS VOLUME	36618A	4	E
SURFAC	AREA OF SURFACE OF REVOLUTION	36338A	4	E
VFIELD	POTENTIAL FIELD PICTURE	36322A	4	E
VLOCTY	INSTANTANEOUS VELOCITY	36323A	4	E
VOLSOL	VOLUME OF SOLID OF REVOLUTION	36339A	4	E
WATER1	WATER BUDGET PROBLEM CHECK	36326A	4	E
WATER2	WATER BUDGET	36327A	4	E
WAVES	SUM OF TWO WAVES	36324B	4	E

HUNTINGTON II

Name	Description	Order No.	Volume	System
ELECT	CAMPAIGN STRATEGY AND ELECTIONS	36798A	4 *	E
GENE1	GENETICS SIMULATION	36642B	4	E
LOCKEY	LOCK & KEY MODEL OF ENZYME ACTION	36624A	4	E
MALAR	MALARIA ERADICATION PROGRAM	36797A	4	E
MARKET	TWO COMPANIES IN ONE-PRODUCT COMPETITION	36619A	4	E
POLICY	STUDENTS FORMULATE NATIONAL POLICY	36649A	4	E
POLSYS	SIMULATION OF CITY COUNCIL	36640B	4	E
POLUT	WATER POLLUTION SIMULATION	36639B	4	E
POP	POPULATION GROWTH	36644A	4	E
SAP	SURVEY ANALYSIS PROGRAM	36843A	4	E
STERL	FLY POPULATION CONTROL	36641B	4	E
USPOP	HUMAN POPULATION PROJECTION	36802A	4 *	E

INFORMATION STORAGE AND RETRIEVAL

Name	Description	Order No.	Volume	System
?AIRE	QUESTIONNAIRE ANALYSIS	36807A	1 *	F
ADDRES	ADDRESS LABELS	36231A	1 *	F
EDIT2K	TEXT EDITOR FOR THE HP 2000C/2000C'/F	36838A	1 *	F
EDITOR	FILE MANIPULATION - CREATES, EDITS, LISTS, SORTS, EMULATES G.E. MK II.	36749A	1 *	F
FILES	FILE MANIPULATION - CREATES, SORTS, UPDATES, COPIES, CHANGES FORMAT	36645B	1 *	F
FINDAD	CONVERTS A FILE TO A FINDIT FILE	36867A	1 *	F
FINDIT	INFORMATION RETRIEVAL SYSTEM	36250D	1 *	F
FMS	FILE MANAGEMENT SYSTEM	36648A	1	E
INDEXR	INDEXING PROGRAM	36770A	1	E
LODUMP	FILE LOAD/DUMP	36644A	1	F
MACRO	A TEXT AND FILE PROCESSING SYSTEM	36003B	1	F
MESSAG	INTERTERMINAL COMMUNICATOR	36204A	1	F
PI2	INFORMATION SYSTEM	36737A	1	F
SLAB	SYSTEM LIBRARY ABSTRACTS	36647A	1	E

INTEGER

Name	Description	Order No.	Volume	System
FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS	36037A	2	E
FORMIF	F AND I FORMAT	36612A	1	E
STGINT	STRING-INTEGER CONVERSIONS	36176A	1	E

INTEGRAL TRANSFORMS

Name	Description	Order No.	Volume	System
CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM	36028A	2	F
GFFT	GENERAL FAST FOURIER TRANSFORM	36030A	2	F
RTCFFT	REAL TO COMPLEX FAST FOURIER TRANSFORM	36029A	2	F

INTEGRATION

Name	Description	Order No.	Volume	System
BESSEL	CALCULATES BESSEL FUNCTION OF FIRST KIND	36019A	2	E
INTGR	DEFINITE INTEGRAL BY MEANS OF 3-POINT GAUSSIAN INTEGRATION FORMULA	36698A	2	E
INTGRS	COMPUTES THE AREA UNDER A CURVE	36699A	2	E
ROMINT	INTEGRATES A FUNCTION (ROMBERG METHOD)	36022B	2	E

INTERPOLATION/EXTRAPOLATION

Name	Description	Order No.	Volume	System
NEWTON	INTERPOLATION OF NON-LINEAR FUNCTIONS BY NEWTON'S FORMULA	36652A	2 *	E

INTERPRETER

Name	Description	Order No.	Volume	System
PILOTE	PILOT 73 AUTHOR LANGUAGE FOR HP 2000E	36637B	4	E
PILOTF	PILOT 73 AUTHOR LANGUAGE FOR THE HP 2000F	36756B	4	F
TM	TURING MACHINE SIMULATOR	36743A	4	E

INVENTORY ANALYSIS

Name	Description	Order No.	Volume	System
CTC1	CTC MANUFACTURING PARTS CONTROL	36210B	3	F
CTC2	CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	36211B	3	F
REP	DATA CENTER INVENTORY REPORT GENERATOR	36177A	3	F

INVERSE

Name	Description	Order No.	Volume	System
CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM	36028A	2	F
GFFT	GENERAL FAST FOURIER TRANSFORM	36030A	2	F
RTCFFT	REAL TO COMPLEX FAST FOURIER TRANSFORM	36029B	2 *	F

INVESTMENT ANALYSIS

Name	Description	Order No.	Volume	System
ANNUIT	ANNUITY ANALYSIS	36074A	3	E
BNDPRC	BOND PRICE ANALYSIS	36076B	3	E
BNDSWH	BOND SWITCH ANALYSIS	36077A	3	F
BNDYLD	BOND YIELD ANALYSIS	36078B	3	E
BNKRSV	BANK RESERVE CALCULATIONS	36079A	3	E
CAPDCF	CAPITAL INVESTMENT ANALYSIS (DISCOUNTED CASH FLOW METHOD)	36825A	3 *	F
CAPINV	CAPITAL INVESTMENT ANALYSIS	36080A	3	E
DROIPB	DISCOUNTED RETURN ON INVESTMENT AND PAYBACK	36179A	3	E

TIME-SHARED BASIC/2000 CONTRIBUTED PROGRAMS
CROSS REFERENCE INDEX

*New or revised since February 1974

TIME-SHARED BASIC/2000 CONTRIBUTED PROGRAMS CROSS REFERENCE INDEX

OCTAL

Name	Description	Order No.	Volume	*	System
BASCAL	BASE CALCULATOR	36847A	2	*	E
DC-OC	DECIMAL-TO-OCTAL CONVERTER	36747A	2		E
OC-DC	OCTAL-TO-DECIMAL CONVERTER	36712A	2		E

OPTIMIZATION PROGRAMS

Name	Description	Order No.	Volume	*	System
GNETFL	NETWORK FLOW	36529A	3		F
MAXFLO	MAXIMUM FLOW IN A CAPACITATED NETWORK	36609A	3		F
SHORTR	SHORTEST ROUTE PROOBLEM	36610A	3		F

ORDINARY DIFFERENTIAL EQUATIONS

Name	Description	Order No.	Volume	*	System
DE-1OR	1ST ORDER DIFFERENTIAL EQUATION	36032A	2		E
DE-2OR	2ND ORDER DIFFERENTIAL EQUATION	36033A	2		E
DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	36159A	4		E

PAYROLL ACCOUNTING

Name	Description	Order No.	Volume	*	System
CTC4	CTC PAYROLL PROGRAMS	36213B	3		F
SALES	SALES COMMISSION REPORT	36095A	3		E
SALSIM	SALARY SCHEDULE COST SIMULATOR	36072A	4		F

PERT

Name	Description	Order No.	Volume	*	System
CPATH	CRITICAL PATH EVALUATION	36171B	3		F

PHYSICS

Name	Description	Order No.	Volume	*	System
ALERA	PROPAGATION OF ERROR	36603B	4		E
ATOM	DERIVES THE ELECTRONIC CONFIGURATION OF ANY ELEMENT	36705A	4		E
BFIELD	MAGNETIC FIELD PICTURE	36312A	4		E
BOHR	ENERGY LEVEL DIAGRAM	36313A	4		E
BOLA	NUCLEAR PHYSICS GAME	36879A	4	*	F
CLIMAT	CLIMATE TEACHING PROGRAM	36760A	4	*	F
CONVRT	TEMPERATURE SCALE CONVERSION	36685A	4		E
EINDIS	EINSTEIN DISTORTIONS	36716A	4		E
FORCST	WEATHER FORECASTING PROGRAM	36750A	2	*	E
GRNPRX	GRAN PRIX RACING GAME	36686A	5		E
H-LIFE	HALF LIFE SIMULATION	36134A	4		E
KINERV	REVIEW OF KINEMATICS	36315A	4		E
NEWTN2	NEWTON'S 2ND LAW	36316A	4		E
PHOTEL	PHOTOELECTRIC EFFECT	36317A	4		E
PHOTON	ENERGY LEVEL PROBLEM	36318A	4		E
REFLCT	LEAST TIME PRINCIPLE AND LIGHT	36319A	4		E
SNELL	SNELL'S LAW	36320A	4		E
SPACE	SPACECRAFT ORBITS	36321A	4		E
T-CPL	THERMOCOUPLE TABLE PACKAGE	36654A	2	*	E
VFIELD	POTENTIAL FIELD PICTURE	36322A	4		E
VLOCTY	INSTANTANEOUS VELOCITY	36323A	4		E
WAVFN	COMPUTES AND PLOTS THE RADIAL PART OF HYDROGEN-LIKE WAVE FUNCTIONS	36733A	2		E

PILOT

Name	Description	Order No.	Volume	*	System
P-HYP	SCIENTIFIC METHOD AND HYPOTHESIS	36759A	4		E
P-TUA	PILOT TUTORIAL	36758B	4		E
P-TUB	PILOT TUTORIAL	36775A	4		E
P-TUC	PILOT TUTORIAL	36877A	4	*	F

PLOT ROUTINES IN HP BASIC

Name	Description	Order No.	Volume	*	System
BFIELD	MAGNETIC FIELD PICTURE	36312A	4		E
BOHR	ENERGY LEVEL DIAGRAM	36313A	4		E
CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC	36110A	5		F
FGRAPH	SIMULTANEOUS FUNCTION GRAPHER	36165A	1		E
FPLOT	FUNCTION PLOT	36112A	1		E
GRAPHS	DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	36115A	1		E
GRGPLT	SIMPLE REGRESSION AND PLOT	36542A	2		F
GVPDQT	PLOTTING DATA	36554A	3		F
HAZEL	HAZELTINE 2000 USER SUBROUTINES	36786B	1	*	E
HISS	SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	36235A	1		F
HISTOG	A HISTOGRAM FORMED FROM A SET OF NUMBERS	36055B	2		E
HPPLOT	AUTOMATIC PLOTTING PROGRAM	36805A	1		F
KSWEEP	FREQUENCY PLOT OF POLES AND ZEROES IN A COMPLEX PLANE	36771A	2		F
PLOT	PLOTS A GIVEN FUNCTION ON THE TELETYPE	36104B	1		E
PLOT33	KEYBOARD ENTRY MULTIPLE FUNCTION PLOTTER	36659A	1		F
PLOTS	ASCII CHARACTER PLOTTER FOR 7200 PLOTTER	36840A	1	*	F
PLOTWD	WORD PLOTTER	36228B	1		E
POLAR	PLOTS SINGLE VARIABLE IN POLAR FORM	36155A	4		E
PRINT	GENERATES LARGE LETTERS	36299A	1		F
PSQUAR	PATTERN SQUARES FOR HP 7200A PLOTTER	36249A	1	*	F
SLITS	YOUNG'S DOUBLE SLIT EXPERIMENT	36351B	4		E
TITLE	CHARACTER GENERATION	36114B	1	*	F
VCHART	INVESTMENT DECISIONS USING TEKTRONIX 4010	36555B	1		F
VREGPL	PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	36556B	1		F
VSUB	DISPLAY ROUTINE USING TEKTRONIX 4010	36558B	1	*	F
VTTT	TIC-TAC-TOE ON THE TEKTRONIX 4010	36559B	1		F
WAVFN	COMPUTES AND PLOTS THE RADIAL PART OF HYDROGEN-LIKE WAVE FUNCTIONS	36733A	2		E

POLYNOMIAL

Name	Description	Order No.	Volume	*	System
AREA	COMPUTER-AUGMENTED CALCULUS TOPICS	36668A	4		E
POLY	POLYNOMIAL APPROXIMATION	36188A	2		E
ROOTER	FINDS THE ROOTS OF POLYNOMIALS	36024A	2		E

POLYNOMIALS AND POLYNOMIAL EQUATIONS

Name	Description	Order No.	Volume	*	System
DETER4	DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	36263A	2		F
PARABO	EQUATION OF PARABOLA PASSING THROUGH 3 GIVEN POINTS	36702A	2		E
POLY	POLYNOMIAL APPROXIMATION	36188A	2		E
QUADRA	ANALYZES A QUADRATIC EQUATION	36704A	2		E
ROOTER	FINDS THE ROOTS OF POLYNOMIALS	36024A	2		E

Name	Description	Order No.	Volume	*	System
ROOTNL	FINDS ROOTS OR FIXED POINTS OF A NON-LINEAR FUNCTION	36697A	2		E
ROOTNR	LOCATES ROOT OF A FUNCTION WHOSE DERIVATIVE IS KNOWN	36696A	2		E

PROBABILITY DISTRIBUTION SAMPLING

Name	Description	Order No.	Volume	*	System
BICONF	CONFIDENCE LIMITS	36691A	2		E
BINOPO	PROBABILITY DISTRIBUTION COMPARISONS	36041A	2		E
BIRDAY	BIRTHDAY PROBABILITY	36653A	5		F
CHISQ	COMPUTES PROBABILITY OF CHI-SQUARE VALUES	36042A	2		E
CHISQS	CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	36043B	2		E
GTASPD	SUBJECTIVE PROBABILITY DISTRIBUTION	36549A	2		F
GWBULL	SUBJECTIVE PROBABILITY - RANDOM VALUES	36551A	2		F
PROB	COMPUTES BINOMIAL, POISSON AND HYPERGEOMETRIC PROBABILITIES	36718A	2		E
SEVPRO	CHI-SQUARE TEST	36719A	2		E
STAT08	COMPARES TWO GROUPS OF DATA USING THE MEDIAN TEST	36732A	2		E

PROBLEM SOLVING

Name	Description	Order No.	Volume	*	System
AC-1	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	36152A	4		E
AREA	COMPUTER-AUGMENTED CALCULUS TOPICS	36668A	4		E
COMPLX	CAI IN ALGEBRA OF COMPLEX NUMBERS	36153A	4		E
CRVLEN	COMPUTES LENGTH OF ANY CURVE	36333A	4		E
CVAREA	AREA UNDER CURVE	36620A	4		E
DE-1OR	1ST ORDER DIFFERENTIAL EQUATION	36032A	2		E
DE-2OR	2ND ORDER DIFFERENTIAL EQUATION	36033A	2		E
DERSIN	COMPUTER-AUGMENTED CALCULUS TOPICS	36663A	4		E
DERTIV	COMPUTER-AUGMENTED CALCULUS TOPICS	36662A	4		E
DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	36159A	4		E
DIMIS	X-Y AXIS SEGMENT PROGRAM	36277A	4		F
DVDRS	CAI IN VOLTAGE AND CURRENT DIVIDERS	36156A	4		E
EXPNTL	CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	36148A	4		E
FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS	36037A	2		E
FUNDTH	COMPUTER-AUGMENTED CALCULUS TOPICS	36664A	4		E
GRAPH1	COMPUTER-AUGMENTED CALCULUS TOPICS	36665A	4		E
GRAPH2	COMPUTER-AUGMENTED PHYSICS TOPICS	36666A	4		E
INDMTR	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	36154A	4		E
JACOBI	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	36167A	4		E
LIMSIN	LIMIT OF (SIN X)/X	36622A	4		E
LINES	CONVERSATIONAL COMPUTER GENERATED CALCULUS QUIZ	36700A	4		E
LOGIC	LOGIC EXAMINATION PROGRAMS	36251B	4		E
ORBIT	INTEGRATES EQUATIONS OF MOTION	36121A	4		E
PI	CALCULATES PI	36623A	4		E
QUADT	NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	36335A	4		E
RATIO	SOLVES PROPORTIONS	36336A	4		E
ROOTS2	QUADRATIC EQUATION SOLVER	36625A	4		E
SETS	UNION AND INTERSECTION OF SETS	36337A	4		E
SLOPE	FINDS DERIVATIVES	36626A	4		E
SOLVER	SOLVES COMPLEX SIMULTANEOUS EQUATIONS	36149A	4		F
SPCTRA	OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	36184A	4		E
SQRT	FINDS SQUARE ROOT	36627A	4		E
SURFAC	AREA OF SURFACE OF REVOLUTION	36338A	4		E
SYSSOL	SOLVING SYSTEMS OF LINEAR EQUATIONS	36278A	4		F
TRUTH	TRUTH TABLES FOR BOOLEAN EXPRESSIONS	36602B	4		E
UNITS	CAI IN INTERPRETATION OF EE UNITS	36157A	4		E
VOLSOL	VOLUME OF SOLID OF REVOLUTION	36339A	4		E

PROGRAMMING AIDS

Name	Description	Order No.	Volume	*	System
DATA	DUMPS FILE TO DATA STATEMENTS	36287A	1		F
FILES	FILE MANIPULATION - CREATES, SORTS, UPDATES, COPIES, CHANGES FORMAT	36645B	1	*	F
FINDIT	INFORMATION RETRIEVAL SYSTEM	36250C	1	*	F
TUTOR	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	36139A	4		E

PROGRAMMING AND COMPUTER SCIENCE (EDUCATION)

Name	Description	Order No.	Volume	*	System
BRAIN	BRAIN SIMULATOR PROGRAM	36219A	4		E
COBOL	HP COBOL SIMULATOR	36845B	4		F
HPASMB	HP ASSEMBLER PACKAGE	36806A	4		F
P-TUA	PILOT TUTORIAL	36758B	4		E
P-TUB	PILOT TUTORIAL	36775A	4		E
P-TUC	PILOT TUTORIAL	36877A	4	*	F
PILOTE	PILOT 73 AUTHOR LANGUAGE FOR HP 2000E	36637B	4		E
PILOTF	PILOT 73 AUTHOR LANGUAGE FOR THE HP 2000F	36756B	4		F
SNOBOL	SNOBOL3 COMPILER FOR HP 2000C SYSTEM	36849A	4	*	F
STOP	COMPUTER LITERACY - PSEUDO-MACHINE LANGUAGE	36208B	4		E
STPAL	STOP MACHINE AND ASSEMBLY LANGUAGE SIMULATOR	36765A	4		F
TM	TURING MACHINE SIMULATOR	36743A	4		E
TUTOR	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	36139A	4		E

RANDOM NUMBER GENERATORS

Name	Description	Order No.	Volume	*	System
IDA	INTERACTIVE DATA ANALYSIS	36755B	2	*	F
RNDORD	PLACING INTEGERS IN RANDOM ORDER	36264A	2		E

RANK

Name	Description	Order No.	Volume	*	System
GRANK	RANKING STATISTICS	36541A	2		F
STAT2	MANN-WHITNEY 2 SAMPLE RANK TEST	36052A	2		E
STAT20	FRIEDMAN TWO-WAY ANALYSIS OF VARIANCE	36608A	2		E
STAT3	SPEARMAN RANK CORRELATION COEFFICIENTS	36053A	2		E

*New or revised since February 1974

		ORDER NO.	VOLUME	SYSTEM
READING (EDUCATION)				
VOCAB	: CAI IN WORD USAGE	36880A	4 *	E
RECURSIVE				
ROMINT	: INTEGRATES A FUNCTION (ROMBERG METHOD)	36022B	2	E
REGRESSION ANALYSIS				
CURFIT	: PERFORMS LEAST SQUARES FIT	36038D	2 *	E
GCHLIN	: RATING INVESTMENT FUNDS	36503A	3	F
GRGPLT	: SIMPLE REGRESSION AND PLOT	36542A	2	F
IDA	: INTERACTIVE DATA ANALYSIS	36755B	2 *	F
MLREG	: MULTIPLE REGRESSION PROGRAM	36661A	2 *	E
MULREG	: MULTIPLE REGRESSION/CORRELATION	36178A	2	F
MULTX	: LEAST-SQUARES FIT, MULTIPLE Y'S PER X	36186A	2	E
POLFIT	: FITS LEAST-SQUARES POLYNOMIALS	36023B	2	F
PSRC	: POWER SERIES REGRESSION CURVE WITH X- AXIS OFFSET	36793A	2 *	F
REGCOR	: REGRESSION/CORRELATION	36054B	2	E
REGRES	: STEP-WISE REGRESSION	36738A	2	F
VREGPL	: PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	36556A	1	F
VRRC	: INVESTMENT STRATEGY ANALYSIS	36557A	3	F
REPORT GENERATORS				
LOGRAM	: LOG-ON TAPE ANALYZER	36001A	2	F
RETURN				
GCHLIN	: RATING INVESTMENT FUNDS	36503A	3	F
GIRRPV	: INVESTMENT RETURN (CASH FLOW)	36513A	3	F
RISK				
GNMRVB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	36530A	3	F
GRISKA	: RISK ANALYSIS IN CAPITAL INVESTMENT	36543A	3	F
VRRC	: INVESTMENT STRATEGY ANALYSIS	36557A	3	F
ROOTS				
ROOTER	: FINDS THE ROOTS OF POLYNOMIALS	36024A	2	E
ROOTNL	: FINDS ROOTS OR FIXED POINTS OF A NON-LINEAR FUNCTION	36697A	2	E
ROOTNR	: LOCATES ROOT OF A FUNCTION WHOSE DERIVATIVE IS KNOWN	36696A	2	E
ROOTS2	: QUADRATIC EQUATION SOLVER	36625A	4	E
RUNGE-KUTTA				
DE-1OR	: 1ST ORDER DIFFERENTIAL EQUATION	36032A	2	E
DE-2OR	: 2ND ORDER DIFFERENTIAL EQUATION	36033A	2	E
SALES FORECASTING				
SALES	: SALES COMMISSION REPORT	36095A	3	E
SCIENCE (EDUCATION)				
AFLIFE	: JOHN CONWAY'S GAME OF LIFE	36353A	5	F
ALERA	: PROPAGATION OF ERROR	36603B	4	E
ATOM	: DERIVES THE ELECTRONIC CONFIGURATION OF ANY ELEMENT	36705A	4	E
ATWT	: CALCULATES ATOMIC WEIGHT	36613A	4	E
AVOGA	: AVOGADRA'S NUMBER	36614A	4	E
BFIELD	: MAGNETIC FIELD PICTURE	36312A	4	E
BOHR	: ENERGY LEVEL DIAGRAM	36313A	4	E
BOLA	: NUCLEAR PHYSICS GAME	36879A	4 *	F
CALORI	: CALORIMETRY EXPERIMENT	36314A	4	E
CHARG	: MILLIKAN'S OIL-DROP EXPERIMENT	36621A	4	E
CHEM	: SELF-CORRECTING CHEMISTRY TEST	36295B	4	E
CHEM1	: CAI IN CHEMISTRY	36878A	4 *	F
CLIMAT	: CLIMATE TEACHING PROGRAM	36760A	4 *	F
CLOUDS	: CLOUD FORMATION	36325A	4	E
CONVRT	: TEMPERATURE SCALE CONVERSION	36685A	4	E
CRVFT	: LEAST-SQUARES CURVEFITTING	36633A	2	E
DECAY1	: RADIOACTIVE DECAY GAME	36306A	4	E
DECAY2	: NUCLEAR DECAY	36307A	4	E
DRAGON	: SOLAR ECLIPSE SIMULATION	36785A	4	E
DROS	: GENETIC CHARACTERISTICS	36300A	4	E
EFIELD	: ELECTRIC FIELD STRENGTH	36629A	4	E
EINDIS	: EINSTEIN DISTORTIONS	36716A	4 *	E
ELMENT	: DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS	36267A	4	F
EMPIR	: CALCULATES EMPIRICAL FORMULAS	36615A	4	E
EQUIL1	: EQUILIBRIUM SYSTEMS	36308A	4	E
EVOLU	: NATURAL SELECTION EXPERIMENT	36301A	4	E
GAMGN	: PROCESS OF GAMETOGENESIS	36302A	4	E
GENE1	: GENETICS SIMULATION	36642B	4	E
GRAZE	: GRASSLANDS ECOLOGY SIMULATION	36746A	4	F
GRNPRX	: GRAN PRIX RACING GAME	36686A	5	E
H-LIFE	: HALF LIFE SIMULATION	36134A	4	E
IONIC	: DRILL ON FORMULAS AND CHARGES OF IONS	36260A	4	F
IONIC1	: DRILL ON FORMULAS OF IONIC COMPOUNDS	36266A	4	F
ISOMER	: DRILL ON NAMING ALKANES	36261A	4	F
KINERV	: REVIEW OF KINEMATICS	36315A	4	E
KINET	: KINETIC REACTION	36309A	4	E
LANDER	: ROCKET LANDING VEHICLE	36684A	5	E
LANDIN	: COMPUTER-AUGMENTED PHYSICS TOPICS	36670A	4	E
LENSES	: SOLVES LENS PROBLEMS	36630A	4	E
LOCKEY	: LOCK & KEY MODEL OF ENZYME ACTION	36624A	4	E
MALAR	: MALARIA ERADICATION PROGRAM	36797A	4	E
MASSD	: MASS DEFECT	36310A	4	E
MEMBR	: DIFFUSION EXPERIMENT	36611A	4	E
MKS1	: COMPUTER-AUGMENTED PHYSICS TOPICS	36671A	4	E
MKS2	: COMPUTER-AUGMENTED PHYSICS TOPICS	36673A	4	E
MOLAR	: ACID-BASE TITRATION	36616A	4	E
NEWTN2	: NEWTON'S 2ND LAW	36316A	4	E
NZYM2	: ENZYME REACTION RATE	36304A	4	E
NZYMC	: ENZYMATIC REACTION RATES	36303A	4	E
ORBIT	: INTEGRATES EQUATIONS OF MOTION	36121A	4	E

		ORDER NO.	VOLUME	SYSTEM
ORG1	: TEACHES STRAIGHT ALKANE NOMENCLATURE AND NAMING OF BRANCHED ALKANES	36826A	4 *	E
ORGCHE	: DRILL ON ORGANIC COMPOUND NOMENCLATURE	36646A	4	F
P-HYP	: SCIENTIFIC METHOD AND HYPOTHESIS	36759A	4	E
P-KEPL	: KEPLER'S 3RD LAW	36779A	4	E
PHOSYN	: PHOTOSYNTHESIS EXPERIMENT	36305A	4	E
PHOTEL	: PHOTOELECTRIC EFFECT	36317A	4	E
PHOTON	: ENERGY LEVEL PROBLEM	36318A	4	E
PHPOH	: PH, POH, PCT, DISSOCIATION	36617A	4	E
PLANK	: A PHOTOELECTRIC SIMULATION	36350A	4	E
POLUT	: WATER POLLUTION SIMULATION	36639B	4	E
POP	: POPULATION GROWTH	36844A	4	E
PRCNT	: PERCENT COMPOSITION	36311A	4	E
PRJTL	: PROJECTILE MOTION	36631A	4	E
REFLCT	: LEAST TIME PRINCIPLE AND LIGHT	36319A	4	E
REFLEC	: COMPUTER-AUGMENTED PHYSICS TOPICS	36672A	4	E
REFRAC	: COMPUTER-AUGMENTED PHYSICS TOPICS	36669A	4	E
SLITS	: YOUNG'S DOUBLE SLIT EXPERIMENT	36351B	4	E
SNELL	: SNELL'S LAW	36320A	4	E
SPACE	: SPACECRAFT ORBITS	36321A	4	E
SPCTRA	: OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	36184A	4	E
STERL	: FLY POPULATION CONTROL	36641B	4	E
STOICH	: MASS VOLUME	36618A	4	E
SUNSET	: SUNRISE-SUNSET PREDICTOR	36180A	2	E
USPOP	: HUMAN POPULATION PROJECTION	36802A	4 *	E
VFIELD	: POTENTIAL FIELD PICTURE	36322A	4	E
VLOCTY	: INSTANTANEOUS VELOCITY	36323A	4	E
WATER1	: WATER BUDGET PROBLEM CHECK	36326A	4	E
WATER2	: WATER BUDGET	36327A	4	E
WAVES	: SUM OF TWO WAVES	36324B	4	E
WAVFN	: COMPUTES AND PLOTS THE RADIAL PART OF HYDROGEN-LIKE WAVE FUNCTIONS	36733A	2	E
SECURITIES				
GDAPI	: ABNORMAL PERFORMANCE INDEX	36507A	3	F
GDPA	: EFFICIENT 'CORNER' PORTFOLIOS	36508A	3	F
GKASSF	: WARRANT PRICE CALCULATION	36514A	3	F
GKCOST	: PRICE/EARNINGS RATIO CALCULATION	36515A	3	F
GNMRVB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	36530A	3	F
GSPMG	: STANFORD PORTFOLIO MANAGEMENT GAME	36502A	4	F
GSTKVL	: STOCK VALUATION	36545A	3	F
SIMPSON				
BESSEL	: CALCULATES BESSEL FUNCTION OF FIRST KIND	36019A	2	E
SIMULATION				
ATWT	: CALCULATES ATOMIC WEIGHT	36613A	4	E
AVOGA	: AVOGADRA'S NUMBER	36614A	4	E
BALANC	: TRADE AND PAYMENT BALANCES	36328A	4	E
BANK	: SOLVES FINANCIAL PROBLEMS	36329B	4	E
BFIELD	: MAGNETIC FIELD PICTURE	36312A	4	E
BNKSIM	: SIMULATES ONE YEAR'S DEPOSIT AND WITHDRAWAL ACTIVITIES OF SMALL BANK	36713A	4	E
BOHR	: ENERGY LEVEL DIAGRAM	36313A	4	E
BRAIN	: BRAIN SIMULATOR PROGRAM	36219A	4	E
CALORI	: CALORIMETRY EXPERIMENT	36314A	4	E
CHARG	: MILLIKAN'S OIL-DROP EXPERIMENT	36621A	4	E
CHARGE	: CHARGE ACCOUNT SIMULATION	36604A	4	F
CIRFLW	: CIRCULAR FLOW MODEL	36632A	4	E
CLOUDS	: CLOUD FORMATION	36325A	4	E
CONSMP	: DEPRESSION/EQUILIBRIUM	36330A	4	E
DECAY1	: RADIOACTIVE DECAY GAME	36306A	4	E
DECAY2	: NUCLEAR DECAY	36307A	4	E
DECSN	: TOP MANAGEMENT DECISION GAME	36065C	3	E
DROS	: GENETIC CHARACTERISTICS	36300A	4	E
EFIELD	: ELECTRIC FIELD STRENGTH	36629A	4	E
EMPIR	: CALCULATES EMPIRICAL FORMULAS	36615A	4	E
EQUIL1	: EQUILIBRIUM SYSTEMS	36308A	4	E
EVOLU	: NATURAL SELECTION EXPERIMENT	36301A	4	E
FORCST	: WEATHER FORECASTING PROGRAM	36750A	2 *	E
GAMGN	: PROCESS OF GAMETOGENESIS	36302A	4	E
GENE1	: GENETICS SIMULATION	36642B	4	E
GMCR01	: FISCAL POLICY GAME	36519A	4	F
GMCR05	: ECONOMIC POLICY GAME	36521A	4	F
GRAZE	: GRASSLANDS ECOLOGY SIMULATION	36746A	4	F
GRISKA	: RISK ANALYSIS IN CAPITAL INVESTMENT	36543A	3	F
GSSS	: SMALL SYSTEMS SIMULATOR	36552A	3	F
GVOTE	: COMMITTEE CHOICE ANALYSIS	36550A	3	F
HPASMB	: HP ASSEMBLER PACKAGE	36806A	4	F
KINERV	: REVIEW OF KINEMATICS	36315A	4	E
KINET	: KINETIC REACTION	36309A	4	E
LABOR	: LABOR/MANAGEMENT BARGAINING	36233A	4	F
LANDER	: ROCKET LANDING VEHICLE	36684A	5	E
LANDIN	: COMPUTER-AUGMENTED PHYSICS TOPICS	36670A	4	E
LENSES	: SOLVES LENS PROBLEMS	36630A	4	E
LOCKEY	: LOCK & KEY MODEL OF ENZYME ACTION	36624A	4	E
MALAR	: MALARIA ERADICATION PROGRAM	36797A	4	E
MARKET	: TWO COMPANIES IN ONE-PRODUCT COMPETITION	36619A	4	E
MASSD	: MASS DEFECT	36310A	4	E
MEMBR	: DIFFUSION EXPERIMENT	36611A	4	E
MKS1	: COMPUTER-AUGMENTED PHYSICS TOPICS	36671A	4	E
MKS2	: COMPUTER-AUGMENTED PHYSICS TOPICS	36673A	4	E
MOLAR	: ACID-BASE TITRATION	36616A	4	E
MRKSIM	: MARKETING SIMULATION	36199A	4	F
NEWTN2	: NEWTON'S 2ND LAW	36316A	4	E
NZYM2	: ENZYME REACTION RATE	36304A	4	E
NZYMC	: ENZYMATIC REACTION RATES	36303A	4	E
PHOSYN	: PHOTOSYNTHESIS EXPERIMENT	36305A	4	E
PHOTEL	: PHOTOELECTRIC EFFECT	36317A	4	E
PHOTON	: ENERGY LEVEL PROBLEM	36318A	4	E
PHPOH	: PH, POH, PCT, DISSOCIATION	36617A	4	E
PLANK	: A PHOTOELECTRIC SIMULATION	36350A	4	E
POLICY	: STUDENTS FORMULATE NATIONAL POLICY	36649A	4	E
POLSYS	: SIMULATION OF CITY COUNCIL	36640B	4	E
POLUT	: WATER POLLUTION SIMULATION	36639B	4	E
POP	: POPULATION GROWTH	36844A	4	E
PRCNT	: PERCENT COMPOSITION	36311A	4	E
PRJTL	: PROJECTILE MOTION	36631A	4	E

*New or revised since February 1974

		ORDER NO.	VOLUME	SYSTEM

TRANSLATORS, LANGUAGE

COBOL	: HP COBOL SIMULATOR	36845B	4	F
HPASMB	: HP ASSEMBLER PACKAGE	36806A	4	F
PILOTE	: PILOT 73 AUTHOR LANGUAGE FOR HP 2000E	36637B	4	E
PILOTF	: PILOT 73 AUTHOR LANGUAGE FOR THE HP 2000F	36756B	4	F
SNOBOL	: SNOBOL3 COMPILER FOR HP 2000C SYSTEM	36849A	4 *	F
STPAL	: STOP MACHINE AND ASSEMBLY LANGUAGE SIMULATOR	36765A	4	F
TM	: TURING MACHINE SIMULATOR	36743A	4	E

TRANSPORTATION

IATA.1	: CALCULATE AIR FREIGHT RATES	36164B	3	F
IATA.C	: CALCULATES BREAKPOINT OF IATA CONTAINERS	36241B	3 *	F
IATATA	: ANALYSIS OF IATA AND ATA UNITIZATION PROGRAM	36876A	3 *	F

TRAPEZOIDAL

FUNDTH	: COMPUTER-AUGMENTED CALCULUS TOPICS	36664A	4	E
INTEGR	: COMPUTER-AUGMENTED CALCULUS TOPICS	36667A	4	E

TRIGONOMETRY

FNCTS	: COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	36017A	2	E
SAT	: TRIGONOMETRIC SOLUTIONS OF TRIANGLES	36182A	4	E
SPHERE	: SOLVES SPHERICAL TRIANGLES	36034A	2	E

UNIVARIATE AND MULTIVARIATE PARAMETRIC STATISTICS

BINOPO	: PROBABILITY DISTRIBUTION COMPARISONS	36041A	2	E
CHISQS	: CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	36043B	2	E
CONLM1	: COMPUTES CONFIDENCE LIMITS FOR AN UNKNOWN POPULATION MEAN	36694A	2	E
CONLM2	: COMPUTES CONFIDENCE LIMITS FOR DIFFERENCE BETWEEN TWO POPULATION MEANS	36693A	2	E
FVALUE	: EXACT PROBABILITY OF AN F-RATIO WITH DEGREES OF FREEDOM (M,N)	36720A	2	E
T-TEST	: TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	36170A	2	E
TESTUD	: TEST UNKNOWN POPULATION MEAN	36722A	2	E
TVALUE	: COMPUTES THE EXACT PROBABILITY OF A T-VALUE WITH A TWO-TAILED TEST	36721A	2	E

VECTOR ARITHMETIC (SEE COMPLEX ARITHMETIC)

VOCATIONAL (EDUCATION)

WHEELS	: AUTO PURCHASE AND MAINTENANCE SIMULATION	36187B	4	F

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HP 2000 NON-BASIC CONTRIBUTED PROGRAM LIBRARY

ORDERING INFORMATION

Contact your local HP sales office to order 2000 non-BASIC contributed software. Programs are available individually in source language on either paper tape or magnetic tape. In addition, binary tapes and listings can be ordered where indicated on the price list in this INDEX.

To order a particular program it is necessary to specify the program number, together with an option number which indicates the type of product required. The different option numbers are:

K01 — which indicates source language on paper tape and all documentation.

K21 — which indicates source language on magnetic tape and all documentation.

B01 — which indicates binary paper tape and all documentation.

D00 — which indicates all documentation.

L00 — which indicates a program listing.

Not all options are available for all programs. Check the following price list and the documentation list below before ordering.

EXTRA DOCUMENTATION

Documentation is included with every order for the source tapes of a program. Extra copies of the documentation — option D00 — can be ordered for the following programs:

22199A, Option D00 $10
22221B, Option D00   5
22255D, Option D00   5
22327E, Option D00   5
22460A, Option D00   5
22483B, Option D00   5
22487A, Option D00   5
22498A, Option D00   5

2000 NON-BASIC CONTRIBUTED PROGRAMS PRICE LIST

000 OPERATING AND PROGRAMMING SYSTEMS

ORDER NO.	TITLE	PRICE
22002A	TIME-OF-DAY CLOCK	10
22004A	COUNTER DATA SOURCE INTERFACE DRIVER - FORTRAN CALLABLE	10
22005B	HP 2401C DIGITAL VOLTMETER DRIVER - FORTRAN CALLABLE	10
22006A	HP 2401C DATA SOURCE INTERFACE DRIVER - FORTRAN CALLABLE	10
22008A	HP 3460A DIGITAL VOLTMETER DRIVER - FORTRAN CALLABLE	10
22009B	BOOTSTRAP LOADER GENERATOR	10
22013B	INVERSE ASSEMBLER	10
22042C	AN HP 2116-FAMILY SIMULATOR FOR THE IBM 360	* 75
22044B	RUN-TIME DATA INPUT FOR BASIC	10
22055A	HP 3460A/B DATA SOURCE INTERFACE DRIVER - FORTRAN CALLABLE	10
22061A	HP 2320 LOW SPEED A-TO-D SUBSYSTEM DRIVER - FORTRAN CALLABLE	10
22062A	HP 2322A LOW SPEED A-TO-D SUBSYSTEM DRIVER - FORTRAN CALLABLE	10
22063A	HP 2770A/2771A DISC DRIVER - FORTRAN CALLABLE	10
22069A	HP 2323A LOW SPEED A-TO-D SUBSYSTEM DRIVER - FORTRAN CALLABLE	10
22071A	HP 12539A TIME BASE GENERATOR DRIVER - FORTRAN CALLABLE	10
22075A	HP 5100B FREQUENCY SYNTHESIZER DRIVER - FORTRAN CALLABLE	10
22077B	CALCOMP PLOTTER DRIVER - BASIC CALLABLE	10
22078B	HIGH SPEED PUNCH DRIVER - BASIC CALLABLE	10
22080B	HP 2331A X-Y DISPLAY SUBSYSTEM DRIVER - FORTRAN CALLABLE	10
22082B	BASIC PHOTOREADER DATA INPUT	10
22095A	BASIC HP 2778A LINE PRINTER DRIVER	10
22100A	FILE THREE INPUT FOR MTS ALGOL	10
22101B	HP 2911A/B CROSSBAR SCANNER DRIVER - BASIC CALLABLE	10
22102B	HP 3460A/B DATA SOURCE INTERFACE DRIVER - BASIC CALLABLE	10
22104B	HP 2402A DATA SOURCE INTERFACE DRIVER - BASIC CALLABLE	10
22106B	COUNTER DATA SOURCE INTERFACE DRIVER - BASIC CALLABLE	10
22107B	HP 2912A REED SCANNER DRIVER - BASIC CALLABLE	10
22108C	HP 3450A DATA SOURCE INTERFACE DRIVER - BASIC CALLABLE	10

000 OPERATING AND PROGRAMMING SYSTEMS, Cont'd

ORDER NO.	TITLE	PRICE
22111C	HP 2770A/2771A DISC DRIVER - BASIC CALLABLE	10
22112A	HP 12539A TIME BASE GENERATOR DRIVER - BASIC CALLABLE	10
22178A	SYNCHRONOUS HIGH SPEED DATA ACQUISITION PROGRAM	10
22176A	HP 2754A PUNCH/LIST IN KT MODE	10
22181A	RTE HP 2020 MAGNETIC TAPE DRIVER	10
22195B	PROGRAM EXECUTION TIMER	10
22199A	BASIC LANGUAGE DATA ACQUISITION SYSTEM	30
22200A	WAVETEK BASIC DRIVER	10
22201D	PACIFIC UNION COLLEGE MULTI-TERMINAL HP BASIC SYSTEM	[20 / *** 10
22208A	HP 3030G MAGNETIC TAPE DRIVER - FORTRAN CALLABLE	10
22211A	HP 5100B FREQUENCY SYNTHESIZER DRIVER - BASIC CALLABLE	10
22215A	HP 3480A DIGITAL VOLTMETER DRIVER - BASIC CALLABLE	10
22216B	HP 2870A CARTRIDGE DISC DRIVER - BASIC CALLABLE	10
22217B	HP 2331A X-Y DISPLAY SUBSYSTEM DRIVER - BASIC CALLABLE	10
22219A	HIGH SPEED CONTINUOUS LINE PLOTTER FOR HP 7004B	10
22223C	LOADER BOOTSTRAP	10
22225B	HP 2870A CARTRIDGE DISC DRIVER - FORTRAN CALLABLE	10
22226B	HP 3480A/B DIGITAL VOLTMETER DRIVER - FORTRAN CALLABLE	10
22227A	HP 6131B DIGITAL VOLTAGE SOURCE DRIVER - FORTRAN CALLABLE	10
22229B	HP 12551A/B RELAY REGISTER INTERFACE DRIVER - FORTRAN CALLABLE	10
22233C	DOS-M PRIVILEGED DISC I/O ROUTINES	10
22235A	FORTRAN POWER FAIL LINK	10
22236A	FORTRAN I/O STATUS FUNCTION	10
22237C	TELEPRINTER/LINEPRINTER OUTPUT SELECTOR FOR HP BASIC	10
22239A	HP 7970 MAGNETIC TAPE DRIVER - BASIC CALLABLE	10
22242A	X-Y PLOTTING ROUTINE	10
22244B	16K BINARY SYNCHRONOUS CONTROLLED DATA COMMUNICATIONS PROGRAM	[60 / ** 10 / *** 15
22245A	USER INTERFACE TO BCS TELECOMMUNICATIONS DRIVER D.50	[** 10 / 10
22246B	DOS-M REMOTE TAPE READER DRIVER	20
22247B	FAST DOS/DOS-M PHOTOREADER DRIVER	10
22253C	OSCILLOSCOPE PLOTTING SUBROUTINE	10

PRICE LEGEND
No asterisk — Option K01
* — Option K21
*** — Option B01
*** — Option L00

2000 NON-BASIC CONTRIBUTED PROGRAMS
PRICE LIST

000 OPERATING AND PROGRAMMING SYSTEMS, Cont'd

ORDER NO.	TITLE	PRICE
222550	MSU MULTI-TERMINAL BASIC SYSTEM WITH CARD READER CAPABILITY	** 20 / 170 / *** 15
22258A	HP 2767 LINE PRINTER BASIC DRIVER	10
22261A	MINI-BASIC	10
22263A	PLOT, RELAY, WAIT	10
22264B	TELEX TO ASCII PHOTOREADER DRIVER	10
22270D	ALGOL OPERATING SYSTEM FOR MTS	10
22273A	CLEAR JOB BINARY AREA IN DOS/DOS-M	10
22276A	RTE CROSSBAR SCANNER DRIVER & CHANNEL CODE CONVERSION	10
22279A	BASIC PLOT SUBROUTINES	10
22281A	MINIVERTER DRIVER	10
22291C	DOS/DOS-M HP 2331 X-Y SCOPE DISPLAY	20
22292B	ABSOLUTE OBJECT DECODER	20
22294A	DOS/DOS-M/RTE 3480 DVM DRIVER AND BCD CONVERSION	10
22295A	BCS INTERPRETER FOR FLOATING POINT OPERATIONS	20
22297A	OFFLINE RELOCATING LOADER	50
22301A	HP 2870A CARTRIDGE DISC MEMORY DRIVER - FORTRAN CALLABLE	10
22304A	HP 5610A ANALOG TO DIGITAL DRIVER - FORTRAN CALLABLE	10
22305A	HP 2402A DIGITAL VOLTMETER DRIVER - BASIC CALLABLE	10
22311A	BCS POWER FAIL TELEPRINTER DRIVER WITH AUTORESTART OPTION	10
22313A	HP 12551B RELAY REGISTER INTERFACE DRIVER - BASIC CALLABLE	10
22315A	CONTINUOUS DISPLAY OF ARRAY DATA ON ANALOG X-Y SCOPE	10
22316A	VARIABLE DISPLAY OF ARRAY DATA ON ANALOG X-Y SCOPE	10
22317A	RTE HP 2310 ANALOG-TO-DIGITAL CONVERTER DISC STORAGE ROUTINE	10
22318A	HP 1331C STORAGE SCOPE DRIVER - BASIC CALLABLE	10
22319A	DOS/DOS-M HP 2020 MAGNETIC TAPE DRIVER	10
22326A	DOS-M RELOCATABLE BASIC	110 / ** 10
22327E	SNOBOL COMPILER FOR DOS/DOS-M	* 25 / *** 15
22328C	BCS TELECOMMUNICATIONS DRIVER FOR SYNCHRONOUS AND ASYNCHRONOUS DEVICES	70 / ** 10 / *** 15
22329A	SCIENTIFIC SUBROUTINE PACKAGE	** 30 / 30
22330B	PSEUDO REPORT GENERATOR	20
22331A	DOS HP 2322A LOW SPEED ANALOG TO DIGITAL SUBSYSTEM DRIVER	10
22336A	HP 1900 PROGRAMMABLE PULSE GENERATOR - FORTRAN CALLABLE	20
22337A	HP 1900 PROGRAMMABLE PULSE GENERATOR DRIVER - BASIC CALLABLE	20
22338A	DISC BASIC EXECUTIVE	60 / ** 20 / *** 15
22339A	DOS HP 2320A LOW SPEED ANALOG-TO-DIGITAL SUBSYSTEM DRIVER	10
22342A	DOS-M HARDWARE BOOT	10
22344A	ON-LINE SYSTEM LOAD FOR MOVING-HEAD RTE	10
22345A	ON-LINE MOVING-HEAD RTE BOOTSTRAP FROM DOS-M OR DOS	10
22349A	DOS-M BOOTSTRAP PROGRAM FOR DOS-M OR DOS	10
22350A	DOS-M BOOTSTRAP PROGRAM FROM RTE	10
22353A	DOS/DOS-M PHOTOREADER DRIVER TO READ ABSOLUTE BINARY TAPES	10
22357A	MTS BOOT FROM DOS-M	10
22361A	DOS-M BINARY FILE DATA ACQUISITION	20
22362A	STACK ROUTINES	10
22367A	8K BINARY SYNCHRONOUS CONTROLLED DATA COMMUNICATIONS PROGRAM	** 20 / 50 / *** 15
22372A	HP 2100 REMOTE BATCH TERMINAL TO A UNIVAC 1108	40 / *** 15
22374A	A BCS ASYNCHRONOUS DATA SET INTERFACE DRIVER	20
22375A	REMOTE HP 2100 ACCESS TO A 32K DOS	30
22377A	DOS-M DISC INITIALIZE/PROTECT UTILITY	10
22379A	SIO LIST OUTPUT TO A STORAGE SCOPE	10
22380D	HP BASIC DRIVER SYSTEM WITH BINARY DATA I/O	30
22385A	SYMBOLIC MACRO ASSEMBLER FOR THE HP 2100	** 10 / 70 / *** 15
22387A	D.70 REVERSE CHANNEL TELECOMMUNICATIONS DRIVER	40 / *** 15
22388A	HP BASIC TO FORTRAN TRANSLATOR FOR DOS/DOS-M	10
22389A	DOS-M EAU RELOCATABLE BASIC	80 / ** 10 / *** 15
22390A	HP 7004 X-Y RECORDER LIBRARY	10
22391A	HP 1331C SIO SCOPE DISPLAY DRIVER	10
22394A	CORE-SAVING TELEPRINTER I/O DRIVER AND CODE CONVERSION ROUTINE	20
22396B	AN HP ASSEMBLER FOR THE IBM 360	* 25 / *** 15
22398B	RTE JOB CONTROL LANGUAGE FOR BATCH PROCESSING	10
22399A	HP 2778/2767 LINE PRINTER PATCH FOR EDUCATIONAL BASIC	10
22401A	RTE SELF SUSPEND ROUTINE	10

000 OPERATING AND PROGRAMMING SYSTEMS, Cont'd

ORDER NO.	TITLE	PRICE
22407B	HP 3360A GAS CHROMATOGRAPH SYSTEM DRIVER - BASIC CALLABLE	10
22408A	BASIC CALLABLE LINE PRINTER DRIVER	10
22409A	EDUCATIONAL BASIC HP 2767 LINE PRINTER DRIVER	10
22410A	RTE MULTIPROGRAMMER DRIVER (DVR61)	10
22411A	A.B. DICK VIDEOJET SIO LINE PRINTER DRIVER	10
22414A	NON-DMA BCS HP 3030 DRIVER	20
22415B	DOS-M ABSOLUTE OBJECT DECODER	10
22416A	CREATE DOS-M DIRECTORY ENTRY UNDER PROGRAM CONTROL	10
22417C	SUPER BASIC FOR DOS-M	** 10 / 100 / *** 15
22438A	DOS-M RELOCATABLE REVERSE ASSEMBLER	20
22439A	8K SIO RELOCATABLE REVERSE ASSEMBLER	20
22440A	8K SIO ABSOLUTE REVERSE ASSEMBLER	10
22441A	PSEUDO MULTIPROGRAMMING EXECUTIVE FOR BCS	** 10 / 90 / *** 15
22442A	BD.1 BASIC DRIVER FOR HP 8054A REAL TIME ANALYZER	10
22443A	DOS/RTE ALGOL COMPILER	110 / ** 20 / *** 15
22445A	RTE TRACK ASSIGNMENT TABLE LOG	10
22446A	MAGNETIC TAPE SYSTEM PROGRAM CATALOG	10
22447A	HP 5360 COMPUTING COUNTER DRIVER	10
22448B	CORE RESIDENT DOS-M BOOTSTRAP	10
22449A	TYPE 3 LANGUAGE GENERATOR	30
22450A	PRIVILEGED RTE DRIVER FOR THE HP 8054 AUDIO ANALYZER (DVR75)	10
22451A	RELAY TIMER FOR HP 12551B RELAY REGISTER INTERFACE	10
22452A	BCS-FORTRAN/ALGOL MEMORY ALLOCATION ROUTINE	10
22453B	HP 2100 REMOTE JOB ENTRY TO IBM HOST CPU	30
22457B	DEFINE AND FILL FILES FROM DOS-M USER PROGRAM	20
22458B	DOS/DOS-M HP 7970 7-TRACK MAGNETIC TAPE DRIVER (DVR24) WITH DMA	10
22461A	FILE AND REWIND FOR THE TENNECOMP TP-1371 MINIDEK SYSTEM	10
22462A	READ/WRITE ROUTINES FOR THE TENNECOMP TP-1371 MINIDEK SYSTEM	10
22464A	TEKTRONIX 4010 VIDEO DISPLAY UNIT DRIVER-BASIC CALLABLE	10
22465A	EXTENDED PRECISION ADAPTER FOR BCS	20
22466C	HP 2311A SUBSYSTEM DOS-M DRIVER	10
22468A	EXPAND/CONTRACT DOS-M FILES	10
22471A	HP 7210 PLOTTER DRIVER FOR DOS-M	10
22472A	HP 2310/2311 SUBSYSTEM DRIVER FOR DUS-M	10
22473B	HP 7210 PLOTTER DRIVER FOR RTE	10
22475A	HP 2311A SUBSYSTEM DRIVER - BASIC CALLABLE	10
22476A	MULTI-PURPOSE SUBROUTINE PACKAGE FOR HP BASIC 20392A	20
22477A	FLOATING POINT OVERLAY FOR HP BASIC	10
22484A	DOS-M USER FILE DESCRIPTION DIRECTORY	10
22485A	DOS-M DIRECTORY LISTING PROGRAM WITH MASKING FACILITY	10
22488A	DOS-M ABSOLUTE BINARY TAPE LOADER	10
22489A	CORE SIZE INDEPENDENT TELEPRINTER SIO DRIVER (LINE PRINTER COMPATIBLE)	10
22490A	CORE SIZE INDEPENDENT PHOTO READER SIO DRIVER	10
22491A	CORE SIZE INDEPENDENT PAPER TAPE PUNCH SIO DRIVER	10
22493A	CREATE DSGEN MAGNETIC TAPE	10
22494B	HAVERING EUCATIONAL BASIC FOR DOS-M	110 / *** 15
22496A	CDC USER 200 TERMINAL SIMULATOR	40 / *** 15
22505A	RTE HP 1331C STORAGE SCOPE DRIVER - DVR47	10
22506A	RTE HP 1331C STORAGE SCOPE LIBRARY	10
22507A	CONVERSION ROUTINE FOR HP 2058E SUBSYSTEM RTE DRIVER	10
22508A	HP 2058E SCANNER SUBSYSTEM RTE DRIVER (DVR57)	10
22509A	DOS/DOS-M HP 1331C STORAGE SCOPE LIBRARY	10
22510A	DOS/DOS-M HP 1331C STORAGE SCOPE DRIVER - DVR47	10
22512A	DOS-M DRIVER PACKAGE FOR ACCESSING FRONT-END MAGNETIC TAPE	20
22519A	DOS-M AUTOLOAD ROUTINE	10
22523A	BCS ODEC LINE PRINTER DRIVER (D,16)	10
22529A	INTEL 8008 ASSEMBLER FOR HP 2100	20
22533A	RESTORE BASIC BINARY LOADER (PBOOT)	10
22538A	DOS-M CENTRONICS 101-A LINE PRINTER DRIVER (DVR80)	20
22539A	DOS-M SYSTEM TELEPRINTER WITH PAPER TAPE I/O (DVR00)	20
22547A	DOS-M ONLINE BOOT FROM MTS	20
22554A	DOS-M/DOS III UTILITIES	30
22556A	ALGOL OPERATING SYSTEM FOR MTS AND BCS LOADER, REVISION G/H	20
22560A	HP 2000 SERIES TSB COLD DUMP TAPE ANALYZER (CDTA)	* 35
22575A	LIST THE RTE TABLES	20
22585A	DOS-M/DOS III MULTI-FILE ASSEMBLER/CROSS REFERENCE TABLE GENERATOR	150
22589A	64-BIT INTEGER LIBRARY-FORTRAN CALLABLE	30
22594A	IBM O.S. CROSS ASSEMBLER FOR HP 2100	* 60
22608B	2000F BASIC FOR DOS-M/DOS-III	*100
22625A	IBM 1130 FORTRAN TO HP 2100 FORTRAN TRANSLATOR	30
22641A	TRIPLE WORD ROUTINES	70
22645A	2000E TSB PATCH UTILITY	20
22647A	PATCH MERGE ABSOLUTE BINARY TAPES	20
22659A	IBM O.S. CROSS MICROASSEMBLER FOR HP 2100	* 60

PRICE LEGEND
No asterisk — Option KØ1
* — Option K21
** — Option BØ1
*** — Option LØ0

2000 NON-BASIC CONTRIBUTED PROGRAMS
PRICE LIST

100 DATA HANDLING

ORDER NO.	TITLE	PRICE
22041E	PUNCHED TAPE DUPLICATOR	10
22079B	NUMERIC STRING SORT FOR ASCII RECORDS	10
22081A	BIT OPERATIONS (SET, CLEAR, TEST) - FORTRAN CALLABLE	10
22086A	EBCDIC TO ASCII TRANSLATOR	10
22090A	KEYBOARD TAPE GENERATOR	10
22093A	ASCII/IBM 8-LEVEL CHARACTER CONVERSION ROUTINE	10
22113B	MTS PUNCHED TAPE DUPLICATOR	10
22114A	REPRODUCE/EDIT PAPER TAPE	10
22116A	ORDERING A FLOATING POINT ARRAY	10
22165A	CARD TO MAGNETIC TAPE UTILITY	10
22166A	MAGNETIC TAPE TO PRINT UTILITY PROGRAM	10
22167A	ORDERING A FIXED POINT ARRAY	10
22168A	RANKING A FLOATING POINT ARRAY	10
22169A	ORDERING A FLOATING POINT ARRAY	10
22171A	FORTRAN UNIT REFERENCE NUMBER EDITOR	10
22172C	IOC - FORTRAN CALLABLE	10
22180C	FAST PUNCH VERIFY	10
22197A	SINGLE DRIVE MAGNETIC TAPE COPY PROGRAM	10
22198C	MAGNETIC TAPE STORAGE AND RETRIEVAL PROGRAM	20
22204A	DATA BLOCK MOVEMENT	10
22207A	CHARACTER AND BIT STRING PROCEDURES FOR ALGOL	10
22209C	DRUM BASED MAGNETIC TAPE DUPLICATOR	10
22214A	CHARACTER CODE TRANSLATOR	10
22238A	FORTRAN RUN-TIME FORMAT SPECIFICATION	10
22252A	RTE/DOS DUPLICATOR PROGRAM	10
22272A	DISC/DRUM UTILITY	10
22274A	4-2-2-1 BCD TO FLOATING POINT CONVERSION FOR RTE	10
22277A	DOS-M FILE ACCESS AND STRING LOOKUP	10
22282A	DOS-M LIBRARIAN	10
22284A	DOS-M DUMP/RESTORE PROGRAM	10
22285C	CONVERSATIONAL DOS-M DISC FILE EDITOR	10
22286A	D M SYMBOLIC EDITOR	20
22299A	DOS/DOS-M SOURCE STORAGE AND RETRIEVAL	10
22341A	FTN IV CORE SAVER	10
22343A	FIELDSORT	10
22347A	DOS/DOS-M SOURCE FILE VERIFY PROGRAM	10
22354B	DOS-M STORE ABSOLUTES	10
22355A	DOS-M PAPER TAPE/DISC VERIFY	10
22356A	PACKED MAGNETIC TAPE STORAGE AND RETRIEVAL FOR DOS-M	30
22358A	EASY MAGNETIC TAPE I/O AND STATUS INFORMATION	10
22359A	HANDI-O	10
22360A	DOS-M PAPER TAPE REPRODUCER	10
22364A	EFMP RECORD READ/WRITE	10
22368A	PAPER TAPE COPY	20
22369A	DOS-M FILE WRITER	10
22371A	QUOTATION MARKS CONVERSION IN DOS/DOS-M FILES	10
22373B	ITEMIZED EXTENDED FILE MANAGEMENT PACKAGE	70
22376A	ASCII DISC FILE FIELD SORT	10
22381A	RELOCATABLE MODULE LISTER	10
22383A	ALPHANUMERIC RECORD SORT	10
22386A	MULTIRECORD FORMATTED OUTPUT LISTER	10
22392A	RELOCATABLE OBJECT UTILITY LIBRARIAN	10
22393A	ON-LINE EDITOR	10
22400A	ZERO	10
22404A	SPACE SAVING ASCII STORAGE ROUTINES	10
22427A	MEDIA CONVERSION	10
22429A	EFMP FILE TRANSFER	10
22430A	NUMERIC SORT	10
22432B	EFMP DIRECTORY LISTER	10
22433A	ASCII/INTEGER CONVERSION ROUTINE	10
22467A	INTEGER EXTRACTION FROM A STRING OF TEXT	10
22479A	ALPHANUMERIC DISC FILE SORT	10
22482A	HP 2020B MAGNETIC TAPE STORAGE & RETRIEVAL	20
22483B	APPLICATIONS DATA MANAGEMENT PACKAGE (ADM)	* 30
22486A	EFMP READ/WRITE WITH FORTRAN IV INPUT/OUTPUT LISTS	20
22495A	FORTRAN FORMATTED READ FROM DOS-M S-TYPE USER FILES	10
22500A	DOS-M RELOCATABLE PROGRAM TAPE EDITOR	10
22504A	CHARACTER PACKING AND UNPACKING	10
22525A	READ/WRITE DOS-M FILES IN RTE ENVIRONMENT	10
22528A	SERIAL ACCESS TO DOS-M FILES	10
22535B	MAGNETIC TAPE COPY	10
22537A	DOS-M ASCII FILE RETRIEVAL SUBROUTINE	20
22544A	16K STAND-ALONE DUMP OF HP 2000C/F FORMAT MAGNETIC TAPE	50
22549A	DOS-M MAGNETIC TAPE COPY	20
22550A	EFMP FILE SORT	20
22593A	MAIL LIST PROCESSOR	20
22612A	RTE MAGNETIC TAPE FILE MANAGER	20
22635A	DOS-M/2000E TIME-SHARED BASIC FILE HANDLER	30
22664A	RTE CONVERSATIONAL SUPER EDITOR	70

200 TESTING, DEBUGGING AND PROGRAMMING AIDS

ORDER NO.	TITLE	PRICE
22014A	BINARY TAPE EDITOR	10
22015B	BASIC LINE RESEQUENCER	10
22016C	SYMBOLIC ALPHANUMERIC GENERATOR	10
22064B	AUTOMATIC TABBING PROGRAM	10
22088A	OCTAL UTILITY SYSTEM (HOCUS)	10
22089A	TELEPRINTER OCTAL INPUT PROGRAM	10
22174A	BCS DUMP IN BBL FORMAT	10
22190A	ABSOLUTE PROGRAM CONTROL SYSTEM	10
22191A	NAM-ENT-EXT EDITOR	10
22193A	INTERPRETIVE BINARY SIMULATOR	60
22205A	TABULATION AND FORM-FEED CALLS FOR HP 2754 TELEPRINTER	10
22250A	'EXEC' CALL ADAPTER ROUTINE	10
22251A	MAGNETIC TAPE TO LINE PRINTER ROUTINE	** 20, 80, *** 15
22257A	MTS/BCS SYSTEM ABSOLUTE DUMP	10
22259A	DOS TO MAGNETIC TAPE DUMP	10
22260A	MAGNETIC TAPE TO DOS DUMP	10
22267A	MTS FORTRAN CHAIN	10
22269A	PAPER TAPE TITLER	10
22278A	TAB FOR PREPARING FORTRAN TAPES	10
22280A	ABSOLUTE CORE DUMP ROUTINE	10
22287A	CHAIN FROM PHOTOREADER IN HP BASIC	10
22289A	ALGOL ARRAY TRANSFER FOR SEGMENTATION	10
22290A	CORE PUNCH IN BBL FORMAT	10
22293B	OCTAL ASSEMBLY PROCESSOR AND UTILITY SYSTEM	10
22300B	QUICK FIXED HEAD SDUMP	10
22310A	FORTRAN/ALGOL ARRAY TRANSFER ROUTINE	10
22314A	RTE CROSS-REFERENCE SYMBOL TABLE GENERATOR	10
22320A	DOS/DOS-M HP 2020/3030 MAGNETIC TAPE CONTROL PROGRAM	10
22322A	ABSOLUTE OCTAL OR DECIMAL CORE DUMP	10
22333A	HP 9300N DISC EXERCISER	10
22340A	360 FORMAT MAGNETIC TAPE DUMP	30
22346A	DOS/DOS-M ASSEMBLY LANGUAGE COMMENT INSERTER	10
22351A	ASCII STRING SEARCH FROM DISC FILE	10
22352A	ASCII STRING SEARCH FROM PHOTOREADER	10
22366A	ALGOL SEGMENT RETURN TO MAIN PROGRAM	10
22428A	ASSEMBLER JUSTIFICATION PROGRAM	10
22431A	DOS-M SEGMENT RETURN TO MAIN	10
22444A	COMMENT INSERTER FOR ASSEMBLER PROGRAMS	10
22454C	QUICK SDUMP FOR HP 7900A MOVING HEAD DISC	10
22455A	HP 'IDEAL' COMMERCIAL SUBROUTINE LIBRARY	40
22463A	HP 7900 DISC TO DISC DUMP	10
22469A	HP 2870 DISC TO DISC DUMP	10
22480B	DUMP FROM DOS-M MAGNETIC TAPE STORAGE AND RETRIEVAL (HP 22198) FORMAT	10
22481B	LOAD DOS-M FROM MAGNETIC TAPE STORAGE & RETRIEVAL (HP 22198) FORMAT	10
22501A	HEXADECIMAL/OCTAL LIST OF ANSI-COMPATIBLE MAGNETIC TAPE (TDUMP)	20
22524A	RTE ALPHANUMERIC TAPE LABEL GENERATOR	10
22526A	DOS-M FORTRAN IV CROSS REFERENCE TABLE GENERATOR	10
22527A	DEBUG FOR ABSOLUTE/BCS PROGRAMS	10
22530B	CHERNACK (HP 22198) MAGNETIC TAPE SOURCE FORMAT TO DOS-M SOURCE FILE	20
22540A	DOS-M HAZELTINE 2000 TERMINAL DRIVER (DVR00)	20
22542A	HP 2870/7900 DISC/MAGNETIC TAPE UTILITY (MADIU)	20
22557A	8K SDUMP FOR HP 7900A MOVING HEAD DISC	20
22600A	RTE DEBUG WITH TRACE	30
22646B	BCS ACTIVITY PROFILE GEN (ACP)	20

300 MATH AND NUMERICAL ANALYSIS

ORDER NO.	TITLE	PRICE
22017A	GAMMA FUNCTION ROUTINE	10
22018A	K BESSEL FUNCTION ROUTINE	10
22019A	I BESSEL FUNCTION ROUTINE	10
22020A	Y BESSEL FUNCTION ROUTINE	10
22021A	LOCATE MAXIMUM-MINIMUM INTEGER	10
22022A	SOLUTION OF LINEAR LEAST SQUARES PROBLEMS	10
22023A	TRAPEZOIDAL INTEGRATION ROUTINE	10
22024A	TRAPEZOIDAL INTEGRATION ROUTINE, EQUAL INTERVAL ARGUMENT	10
22025A	SIMPSON AND NEWTON'S 3/8 INTEGRATION ROUTINE, EQUAL INTERVAL ARGUMENT	10
22026A	HERMITIAN FOURTH-ORDER INTEGRATION ROUTINE	10
22027B	HERMITIAN FOURTH-ORDER INTEGRATION ROUTINE, EQUAL INTERVAL ARGUMENT	10
22028A	HERMITIAN SIXTH-ORDER INTEGRATION ROUTINE	10
22029A	HERMITIAN SIXTH-ORDER INTEGRATION ROUTINE, EQUAL INTERVAL ARGUMENT	10
22030B	COMPLEX ROOTS OF A REAL POLYNOMIAL	10
22031A	ADD ROWS OF MATRICES	10
22032A	RANK AND BASIS ROUTINE	10
22033A	SOLUTION OF SIMULTANEOUS LINEAR EQUATIONS	10
22034A	SOLUTION OF SIMULTANEOUS LINEAR EQUATIONS, BAND-MATRIX	10
22035A	SOLUTION OF SIMULTANEOUS LINEAR EQUATIONS, SYMMETRIC MATRIX	10
22036A	REAL FOURIER TRANSFORM	10
22037B	COMPLEX FOURIER TRANSFORM	10

PRICE LEGEND
No asterisk — Option K01
* — Option K21
** — Option B01
*** — Option L00

300 MATH AND NUMERICAL ANALYSIS, Continued

ORDER NO.	TITLE	PRICE
22038A	SYSTEM OF ORDINARY DIFFERENTIAL EQUATIONS	10
22084C	INTEGRATED MATH CALCULATOR PROGRAM	10
22085B	EXTENDED PRECISION CALCULATOR	10
22097D	DOUBLE PRECISION INTEGER LIBRARY	10
22117A	TRANSFORMATIONS	10
22118C	MATRIX INVERSION SUBROUTINES	10
22119B	MATRIX ARITHMETIC SUBROUTINE	10
22120A	MATRIX ARITHMETIC PROGRAM	10
22122A	SIMULTANEOUS EQUATION SOLVER PROGRAM	10
22123A	SIMULTANEOUS EQUATION SOLVER ROUTINE	10
22144A	INTEGRATION ROUTINE	10
22189B	GENERAL FAST FOURIER TRANSFORM	10
22192A	EIGENVALUES OF A SYMMETRIC REAL MATRIX	10
22218A	FAST FOURIER TRANSFORM	10
22220A	LINEAR LEAST SQUARES PROBLEM SOLVER	10
22230A	EXTENDED-PRECISION ARITHMETIC LIBRARY	10
22234A	COMPLEX MATH PACKAGE	20
22256A	FRESNEL INTEGRAL EVALUATION	10
22268B	DECIMAL ARITHMETIC AND MOVE/COMPARE ROUTINES	30
22334A	THREE-WORD EXTENDED PRECISION ARITHMETIC ROUTINES	10
22335A	FIVE-WORD EXTENDED PRECISION ARITHMETIC ROUTINES	10
22511A	INVERSE SIN AND COS ROUTINE	10
22531A	COMPLEX ARITHMETIC FOR HP BASIC	10

400 PROBABILITY AND STATISTICS

ORDER NO.	TITLE	PRICE
22039A	MEAN, DEVIATION, AND CORRELATION COEFFICIENTS ROUTINE	10
22121A	CROSS-TABULATION PROGRAM	10
22124A	AUTOCORRELATION AND SPECTRAL DENSITY	10
22125A	MOVING AVERAGES	10
22126A	CROSS CORRELATION ANALYSIS	10
22127A	DISCRIMINANT ANALYSIS PROGRAM	10
22128A	LEAST SQUARES REGRESSION PROGRAM	10
22129A	LINEAR REGRESSION INTERVAL ESTIMATES	10
22130A	POLYNOMIAL REGRESSION PROGRAM	10
22131A	POLYNOMIAL REGRESSION CONFIDENCE INTERVALS	10
22132A	STEPWISE REGRESSION PROGRAM	10
22133A	BIOASSAY PROGRAM	10
22134A	ORTHOGONAL REGRESSION PROGRAM	10
22135A	LINEAR REGRESSION WITH REPLICATION	10
22136A	NONLINEAR REGRESSION PROGRAM	10
22137A	CUMULATIVE DISTRIBUTION PROGRAM	10
22138A	KENDALL'S COEFFICIENT OF CONCORDANCE: W	10
22139A	KENDALL'S COEFFICIENT OF CONCORDANCE	10
22140A	KENDALL'S TAU CORRELATION	10
22141A	GENERAL STATISTICS PROGRAM	10
22142B	GENERAL STATISTICS FOR MULTIPLE GROUPS	10
22143A	PROBABILITY SUBPROGRAMS	10
22145B	CONFIDENCE INTERVAL FOR MEAN AND VARIANCE OF A NORMAL DISTRIBUTION	10
22146C	SAMPLE SIZE DETERMINATION ON THE SAMPLE VARIANCE	10
22147A	MULTIPLE CORRELATION ROUTINE	10
22148A	COMPLETELY RANDOMIZED DESIGN	10
22149A	COMPLETELY RANDOMIZED DESIGN WITH SUBSAMPLING	10
22150A	RANDOMIZED COMPLETE BLOCK DESIGN	10
22151B	RANDOMIZED COMPLETE BLOCK DESIGN WITH SUBSAMPLING	10
22152A	TWO-WAY FACTORIAL DESIGN	10
22153A	THREE-WAY FACTORIAL DESIGN	10
22154A	ANALYSIS OF VARIANCE INFORMATION GENERATOR	10
22155A	DUNCAN'S MULTIPLE RANGE TEST	10
22156A	PAIRED T-TEST	10
22157B	BARTLETT'S HOMOGENEITY OF VARIANCE TEST	10
22158C	KOLMOGOROV-SMIRNOV GOODNESS-OF-FIT TEST	10
22159B	CHI SQUARE GOODNESS-OF-FIT TEST	10
22160A	TESTS OF HYPOTHESIS FOR VARIANCES	10
22161B	TEST OF HYPOTHESIS FOR MEANS	10
22183A	SAMPLE SIZE DETERMINATION TO TEST M0	10
22184A	POOLING OF GROUPS IN REGRESSION	10
22185A	MULTIPLE REGRESSION PROGRAM	10
22186A	MULTIPLE CORRELATION MATRIX PROGRAM	10
22187A	NONLINEAR REGRESSION OF A SINGLE-VARIABLE FUNCTION	10
22188A	NONLINEAR REGRESSION OF AN ARBITRARY FUNCTION	10
22194A	PSEUDO-RANDOM NUMBER GENERATOR	10
22265A	FLOATING POINT RANDOM NUMBER GENERATOR	10
22308A	GAUSSION RANDOM NUMBER GENERATOR	10
22397A	COMBINATION GENERATOR	10
22413A	RANDOM INTEGER NUMBER GENERATOR	10
22434A	RANDOM NUMBER GENERATORS	10
22437A	WILCOXON-MANN-WHITNEY TEST	10
22517A	NORMAL DISTRIBUTION	10
22518A	VARIANCE RATIO DISTRIBUTION	10

500 SCIENTIFIC AND ENGINEERING APPLICATIONS

ORDER NO.	TITLE	PRICE
22221B	HP BIOMEDICAL RESPONSE AVERAGING PROGRAM	[100 / [** 20
22222A	BLOOD ACID-BASE VARIABLES DETERMINATION PROGRAM	10
22240A	LUNG COMPLIANCE AND RESISTANCE MEASUREMENT SYSTEM	20
22325A	COPPER-CONSTANTAN THERMOCOUPLE VOLTAGE TO CELSIUS DEGREES CONVERSION	10
22384A	EFFECTIVE PERCEIVED NOISE LEVEL	40
22435A	SECOND VIRIAL COEFFICIENTS	10
22487A	CIVIL ENGINEERING COORDINATE GEOMETRY (COGO)	[80 / [*** 15
22498B	STRUCTURAL ENGINEERING SYSTEM SOLVER (STRESS)	* 25

600 MANAGEMENT SCIENCES AND OPERATIONS RESEARCH

ORDER NO.	TITLE	PRICE
22460A	CONTINUOUS SYSTEM MODELING PROGRAM (CSMP)	50
22497A	PERT FOR DOS/DOS-M	20
22532A	SYSTEM SIMULATION PROGRAM (SSP)	30

700 BUSINESS AND MANUFACTURING APPLICATIONS

ORDER NO.	TITLE	PRICE
22378A	RTE LOGBOOK	20
22604A	BILL OF MATERIAL PACKAGE	50

800 EDUCATION

ORDER NO.	TITLE	PRICE
22266A	MARK SENSE EDUCATIONAL TEST CARD SCORING PROGRAM	10
22332A	THE EXECUTIVE GAME	10
22492A	THE EXECTUIVE GAME FOR DOS-M	10

900 UNCLASSIFIED (microcode, games, plotting routines)

ORDER NO.	TITLE	PRICE
22094A	JEU DE MORPIONS (GAME OF TIC-TAC-TOE)	10
22099A	DOS DEMO	10
22162B	X-Y PLOTTER ON PRINTER	10
22163A	TIME SERIES PLOTTER	10
22164B	HISTOGRAM PLOTTER PROGRAM	10
22182A	HISTOGRAM PLOTTER ROUTINE	10
22262A	THREE DIMENSIONAL PLOT SUBROUTINE	10
22298A	BATTLESHIP	10
22348A	X-Y PLOTTER FOR 11 INCH PAGE PRINTER	10
22425A	THREE DIMENSIONAL TRANSFORMATIONS USING EULER'S ANGLES	10
22426A	LOGARITHMIC AXIS GENERATOR FOR THE CALCOMP 565	10
22436A	HANGMAN	10
22474A	HP 7210 PLOTTER LIBRARY	30
22515A	PSEUDO-DMA INPUT (MULTI-CHANNEL)	10
22516A	WORD MOVE (INTERRUPTABLE)	10
22548A	TEKTRONIX T4002 PLOTTER LIBRARY FOR RTE	20
22569A	RTE CALCOMP/TEKTRONIX PLOTTER LIBRARY	50
22582A	UPPER/LOWER CASE CHARACTER GENERATOR FOR HP 7210	40
22587A	MICROCODED DOS-M ROUTINES .PWR2 AND .FLUN	20
22603A	ON-LINE ACCESS TO HP WCS (MICROBASIC)	40
22618A	MICROCODED FAST FOURIER TRANSFORM	20
22624A	MICROCODED FAST FOURIER TRANSFORM WITH AUTOMATIC RESCALING	20
22649A	MICROCODED INTEGER SORT	20
22661A	FAST MICROCODED MULTIPLY INSTRUCTION	20
22662A	BURST MODE OUTPUT INSTRUCTION	20
22663A	BYTE DATA MANIPULATION WITH MICROCODED ROUTINES	20
22665A	TCS ORDER PROCESSING DEMONSTRATION	* 60
22670A	MICROPROGRAMMED INDEX REGISTER INSTRUCTIONS	20

2000 NON-BASIC CONTRIBUTED PROGRAMS
CROSS REFERENCE INDEX

	PROGRAM NO.	CLASS CODE
CIVIL ENGINEERING		
CIVIL ENGINEERING COORDINATE GEOMETRY (COGO)	22487A	515
CLOCK		
TIME-OF-DAY CLOCK	22002A	003
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HP 2311A SUBSYSTEM DOS-M DRIVER	22466C	013
HP 2310/2311 SUBSYSTEM DRIVER FOR DOS-M	22472A	013
HP 2311A SUBSYSTEM DRIVER - BASIC CALLABLE	22475A	013
CONVERSION ROUTINE FOR HP 2058E SUBSYSTEM RTE DRIVER	22507A	013
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I/O, DISC/DRUM

	PROGRAM NO.	CLASS CODE
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HP 2770A/2771A DISC DRIVER - BASIC CALLABLE	22111C	015
HP 2870A CARTRIDGE DISC DRIVER - BASIC CALLABLE	22216B	015
HP 2870A CARTRIDGE DISC DRIVER - FORTRAN CALLABLE	22225B	015
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HP 2870A CARTRIDGE DISC MEMORY DRIVER - FORTRAN CALLABLE	22301A	015
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I/O, GRAPHIC

	PROGRAM NO.	CLASS CODE
CALCOMP PLOTTER DRIVER - BASIC CALLABLE	22077B	014
HP 2331A X-Y DISPLAY SUBSYSTEM DRIVER - FORTRAN CALLABLE	22080B	014
HP 2331A X-Y DISPLAY SUBSYSTEM DRIVER - BASIC CALLABLE	22217B	014
HIGH SPEED CONTINUOUS LINE PLOTTER FOR HP 7004B	22219A	014
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HP 1331C STORAGE SCOPE DRIVER - BASIC CALLABLE	22318A	014
SIO LIST OUTPUT TO A STORAGE SCOPE	22379A	014
HP 7004 X-Y RECORDER LIBRARY	22390A	014
HP 1331C SIO SCOPE DISPLAY DRIVER	22391A	014
TEKTRONIX 4010 VIDEO DISPLAY UNIT DRIVER-BASIC CALLABLE	22464A	014
HP 7210 PLOTTER DRIVER FOR DOS-M	22471A	014
HP 7210 PLOTTER DRIVER FOR RTE	22473B	014
RTE HP 1331C STORAGE SCOPE DRIVER - DVR47	22505A	014
RTE HP 1331C STORAGE SCOPE LIBRARY	22506A	014
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DOS/DOS-M HP 1331C STORAGE SCOPE DRIVER - DVR47	22510A	014
TEKTRONIX T4002 PLOTTER LIBRARY FOR RTE	22548A	904
RTE CALCOMP/TEKTRONIX PLOTTER LIBRARY	22569A	904
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	PROGRAM NO.	CLASS CODE
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HP 2911A/B CROSSBAR SCANNER DRIVER - BASIC CALLABLE	22101B	006
COUNTER DATA SOURCE INTERFACE DRIVER - BASIC CALLABLE	22106B	006
HP 2912A REED SCANNER DRIVER - BASIC CALLABLE	22107B	006
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HP 5100B FREQUENCY SYNTHESIZER DRIVER - BASIC CALLABLE	22211A	006
4-2-2-1 BCD TO FLOATING POINT CONVERSION FOR RTE	22274A	105
RTE CROSSBAR SCANNER DRIVER & CHANNEL CODE CONVERSION	22276A	006
HP 12551B RELAY REGISTER INTERFACE DRIVER - BASIC CALLABLE	22313A	003
HP 1900 PROGRAMMABLE PULSE GENERATOR - FORTRAN CALLABLE	22336A	006
HP 1900 PROGRAMMABLE PULSE GENERATOR DRIVER - BASIC CALLABLE	22337A	006
DISC BASIC EXECUTIVE	22338A	008
HP 3360A GAS CHROMATOGRAPH SYSTEM DRIVER - BASIC CALLABLE	22407B	006
RTE MULTIPROGRAMMER DRIVER (DVR61)	22410A	006
BD.1 BASIC DRIVER FOR HP 8054A REAL TIME ANALYZER	22442A	006
HP 5360 COMPUTING COUNTER DRIVER	22447A	006
PRIVILEGED RTE DRIVER FOR THE HP 8054 AUDIO ANALYZER (DVR75)	22450A	006
8K SDUMP FOR HP 7900A MOVING HEAD DISC	22557A	207

I/O, MAGNETIC TAPE

	PROGRAM NO.	CLASS CODE
FILE THREE INPUT FOR MTS ALGOL	22100A	016
RTE HP 2020 MAGNETIC TAPE DRIVER	22181A	016
HP 3030G MAGNETIC TAPE DRIVER - FORTRAN CALLABLE	22208A	016
HP 7970 MAGNETIC TAPE DRIVER - BASIC CALLABLE	22239A	016
ALGOL OPERATING SYSTEM FOR MTS	22270D	016
DOS/DOS-M HP 2020 MAGNETIC TAPE DRIVER	22319A	016
NON-DMA BCS HP 3030 DRIVER	22414A	016
DOS/DOS-M HP 7970 7-TRACK MAGNETIC TAPE DRIVER (DVR24) WITH DMA	22458B	016
FILE AND REWIND FOR THE TENNECOMP TP-1371 MINIDEK SYSTEM	22461A	016
READ/WRITE ROUTINES FOR THE TENNECOMP TP-1371 MINIDEK SYSTEM	22462A	016

	PROGRAM NO.	CLASS CODE
DOS-M DRIVER PACKAGE FOR ACCESSING FRONT-END MAGNETIC TAPE	22512A	016
ALGOL OPERATING SYSTEM FOR MTS AND BCS LOADER, REVISION G/H	22556A	016

I/O, PAPER TAPE

	PROGRAM NO.	CLASS CODE
RUN-TIME DATA INPUT FOR BASIC	22044B	009
HIGH SPEED PUNCH DRIVER - BASIC CALLABLE	22078B	009
BASIC PHOTOREADER DATA INPUT	22082B	009
HP 2754A PUNCH/LIST IN KT MODE	22176A	009
DOS-M REMOTE TAPE READER DRIVER	22246B	002
FAST DOS/DOS-M PHOTOREADER DRIVER	22247B	009
TELEX TO ASCII PHOTOREADER DRIVER	22264B	009
DOS/DOS-M PHOTOREADER DRIVER TO READ ABSOLUTE BINARY TAPES	22353A	009
CORE SIZE INDEPENDENT PHOTO READER SIO DRIVER	22490A	009
CORE SIZE INDEPENDENT PAPER TAPE PUNCH SIO DRIVER	22491A	009
DOS-M SYSTEM TELEPRINTER WITH PAPER TAPE I/O (DVR00)	22539A	002
DOS-M HAZELTINE 2000 TERMINAL DRIVER (DVR00)	22540A	207

I/O, PRINTER

	PROGRAM NO.	CLASS CODE
BASIC HP 2778A LINE PRINTER DRIVER	22095A	011
HP 2767 LINE PRINTER BASIC DRIVER	22258A	011
HP 2778/2767 LINE PRINTER PATCH FOR EDUCATIONAL BASIC	22399A	011
BASIC CALLABLE LINE PRINTER DRIVER	22408A	011
EDUCATIONAL BASIC HP 2767 LINE PRINTER DRIVER	22409A	011
A.B. DICK VIDEOJET SIO LINE PRINTER DRIVER	22411A	011
BCS ODEC LINE PRINTER DRIVER (D,16)	22523A	011
DOS-M CENTRONICS 101-A LINE PRINTER DRIVER (DVR00)	22538A	011

I/O, SPECIAL DEVICE

	PROGRAM NO.	CLASS CODE
TIME-OF-DAY CLOCK	22002A	003
HP 12539A TIME BASE GENERATOR DRIVER - FORTRAN CALLABLE	22071A	003
HP 12539A TIME BASE GENERATOR DRIVER - BASIC CALLABLE	22112A	003
SYNCHRONOUS HIGH SPEED DATA ACQUISITION PROGRAM	22170A	003
PROGRAM EXECUTION TIMER	22195B	003
WAVETEK BASIC DRIVER	22200A	006
HP 12551A/B RELAY REGISTER INTERFACE DRIVER - FORTRAN CALLABLE	22229B	003
HP 12551B RELAY REGISTER INTERFACE DRIVER - BASIC CALLABLE	22313A	003
HP 1900 PROGRAMMABLE PULSE GENERATOR - FORTRAN CALLABLE	22336A	006
HP 1900 PROGRAMMABLE PULSE GENERATOR DRIVER - BASIC CALLABLE	22337A	006
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I/O, STATUS PROCESSING

	PROGRAM NO.	CLASS CODE
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I/O, TELECOMMUNICATIONS

	PROGRAM NO.	CLASS CODE
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USER INTERFACE TO BCS TELECOMMUNICATIONS DRIVER D.50	22245A	002
DOS-M REMOTE TAPE READER DRIVER	22246B	002
BCS POWER FAIL TELEPRINTER DRIVER WITH AUTORESTART OPTION	22311A	002
ABSOLUTE OCTAL OR DECIMAL CORE DUMP	22322A	207
BCS TELECOMMUNICATIONS DRIVER FOR SYNCHRONOUS AND ASYNCHRONOUS DEVICES	22328C	002
8K BINARY SYNCHRONOUS CONTROLLED DATA COMMUNICATIONS PROGRAM	22367A	002
HP 2100 REMOTE BATCH TERMINAL TO A UNIVAC 1108	22372A	002
A BCS ASYNCHRONOUS DATA SET INTERFACE DRIVER	22374A	002
SIO LIST OUTPUT TO A STORAGE SCOPE	22379A	014
RELOCATABLE MODULE LISTER	22381A	108
D.70 REVERSE CHANNEL TELECOMMUNICATIONS DRIVER	22387A	002
CORE-SAVING TELEPRINTER I/O DRIVER AND CODE CONVERSION ROUTINE	22394A	002
HP 2100 REMOTE JOB ENTRY TO IBM HOST CPU	22453B	002
CORE SIZE INDEPENDENT TELEPRINTER SIO DRIVER (LINE PRINTER COMPATIBLE)	22489A	002
CDC USER 200 TERMINAL SIMULATOR	22496A	002
HEXADECIMAL/OCTAL LIST OF ANSI-COMPATIBLE MAGNETIC TAPE (TDUMP)	22501A	207
DOS-M SYSTEM TELEPRINTER WITH PAPER TAPE I/O (DVR00)	22539A	002

IBM

	PROGRAM NO.	CLASS CODE
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BCS TELECOMMUNICATIONS DRIVER FOR SYNCHRONOUS AND ASYNCHRONOUS DEVICES	22328C	002
360 FORMAT MAGNETIC TAPE DUMP	22340A	207
AN HP ASSEMBLER FOR THE IBM 360	22390B	018
HP 2100 REMOTE JOB ENTRY TO IBM HOST CPU	22453B	002
IBM O.S. CROSS ASSEMBLER FOR HP 2100	22594A	018
IBM 1130 FORTRAN TO HP 2100 FORTRAN TRANSLATOR	22625A	018
IBM O.S. CROSS MICROASSEMBLER FOR HP 2100	22659A	018

	PROGRAM NO.	CLASS CODE

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FTN IV CORE SAVER	22341A	108
RELOCATABLE OBJECT UTILITY LIBRARIAN	22392A	108
PSEUDO MULTIPROGRAMMING EXECUTIVE FOR BCS	22441A	008
BCS-FORTRAN/ALGOL MEMORY ALLOCATION ROUTINE	22452A	008
CREATE DSGEN MAGNETIC TAPE	22493A	008
ALGOL OPERATING SYSTEM FOR MTS AND BCS LOADER, REVISION G/H	22556A	016
PATCH MERGE ABSOLUTE BINARY TAPES	22647A	008

PRINTER (SEE LINE PRINTER OR TELEPRINTER)

PRIVILEDGED

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RTE

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DOS/DOS-M/RTE 3480 OVM DRIVER AND BCD CONVERSION	22294A	013
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RTE MULTIPROGRAMMER DRIVER (DVR61)	22410A	006
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HP 7210 PLOTTER DRIVER FOR RTE	22473B	014
HP 7210 PLOTTER LIBRARY	22474A	904
RTE HP 1331C STORAGE SCOPE DRIVER - DVR47	22505A	014
RTE HP 1331C STORAGE SCOPE LIBRARY	22506A	014
CONVERSION ROUTINE FOR HP 2058E SUBSYSTEM RTE DRIVER	22507A	013
HP 2058E SCANNER SUBSYSTEM RTE DRIVER (DVR57)	22508A	013
RTE ALPHANUMERIC TAPE LABEL GENERATOR	22524A	212
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LIST THE RTE TABLES	22575A	022
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SCANNER

HP 2911A/B CROSSBAR SCANNER DRIVER - BASIC CALLABLE	22101B	006
HP 2912A REED SCANNER DRIVER - BASIC CALLABLE	22107B	006
RTE CROSSBAR SCANNER DRIVER & CHANNEL CODE CONVERSION	22276A	006
CONVERSION ROUTINE FOR HP 2058E SUBSYSTEM RTE DRIVER	22507A	013
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	PROGRAM NO.	CLASS CODE
TABLE HANDLING		
STACK ROUTINES	22362A	021
ZERO	22400A	108
MULTI-PURPOSE SUBROUTINE PACKAGE FOR HP BASIC 20392A	22476A	018
LIST THE RTE TABLES	22575A	022
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RUN-TIME DATA INPUT FOR BASIC	22044B	009
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HISTOGRAM PLOTTER PROGRAM	22164B	904
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HISTOGRAM PLOTTER ROUTINE	22182A	904
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HP 12539A TIME BASE GENERATOR DRIVER - BASIC CALLABLE	22112A	003
PROGRAM EXECUTION TIMER	22195B	003
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TIME-SHARED OPERATING SYSTEMS		
PACIFIC UNION COLLEGE MULTI-TERMINAL HP BASIC SYSTEM	22201D	018
MSU MULTI-TERMINAL BASIC SYSTEM WITH CARD READER CAPABILITY	22255D	018
CONTINUOUS DISPLAY OF ARRAY DATA ON ANALOG X-Y SCOPE	22315A	014
VARIABLE DISPLAY OF ARRAY DATA ON ANALOG X-Y SCOPE	22316A	014
RTE HP 1331C STORAGE SCOPE DRIVER - DVR47	22505A	014
DOS/DOS-M HP 1331C STORAGE SCOPE LIBRARY	22509A	014
DOS/DOS-M HP 1331C STORAGE SCOPE DRIVER - DVR47	22510A	014
HP 2000 SERIES TSB COLD DUMP TAPE ANALYZER (CDTA)	22560A	022
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INTERPRETIVE BINARY SIMULATOR	22193A	201
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INVERSE ASSEMBLER	22013B	018
PACIFIC UNION COLLEGE MULTI-TERMINAL HP BASIC SYSTEM	22201D	018
MSU MULTI-TERMINAL BASIC SYSTEM WITH CARD READER CAPABILITY	22255D	018
MINI-BASIC	22261A	018
ABSOLUTE OBJECT DECODER	22292B	018
BCS INTERPRETER FOR FLOATING POINT OPERATIONS	22295A	018
DOS-M RELOCATABLE BASIC	22326A	018
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SYMBOLIC MACRO ASSEMBLER FOR THE HP 2100	22385A	018
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8K SIO RELOCATABLE REVERSE ASSEMBLER	22439A	018
8K SIO ABSOLUTE REVERSE ASSEMBLER	22440A	018
DOS/RTE ALGOL COMPILER	22443A	018
TYPE 3 LANGUAGE GENERATOR	22449A	018

	PROGRAM NO.	CLASS CODE
MULTI-PURPOSE SUBROUTINE PACKAGE FOR HP BASIC 20392A	22476A	018
HAVERING EUCATIONAL BASIC FOR DOS-M	22494B	018
INTEL 8008 ASSEMBLER FOR HP 2100	22529A	018
DOS-M/DOS III MULTI-FILE ASSEMBLER/CROSS REFERENCE TABLE GENERATOR	22585A	018
IBM O.S. CROSS ASSEMBLER FOR HP 2100	22594A	018
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2000F BASIC FOR DOS-M/DOS-III	22608B	018
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IBM O.S. CROSS MICROASSEMBLER FOR HP 2100	22659A	018
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TRAPEZOIDAL INTEGRATION ROUTINE	22023A	310
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