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CATALOG CB DATE PRG LANG. ARITH ARITH PRG DSC  
NUMBER FORMAT MODE PREC. SIZE PAGES

## TITLE

* 000001	SDS	7 SEP 62	PPR	H	24//	5	— BINARY INPUT - BOOTSTRAP	
* 000002	SDS	7 SEP 62	PPR	H	57//	2	→ ZERO MEMORY	
* 000003	SDS	8 SEP 62	PPR	H	22//	4	→ SELECTIVE MEMORY CLEAR - BOOTSTRAP	
* 000004	SDS	8 SEP 62	PPR	H	30//	5	→ BINARY VERIFY - BOOTSTRAP	
* 000005	SDS	10 SEP 62	PPR	H	32//	6	→ RELOCATING BINARY INPUT - BOOTSTRAP	
000006	SDS	25 SEP 62	SUB*	H	132	16	HELP. UNIVERSAL BINARY LOADER	-UBL
000007	SDS	5 OCT 62	SUB*	H	49	5	HELP EXECUTIVE SEARCH CONTROL	-XEC
000008	SDS	8 OCT 62	SUB*	H	15	2	HELP. MEMORY CLEAR ROUTINE	-MCR
000009	SDS	6 SEP 62	SUB	H	107	23	HELP MNEMONIC & CODE TABLE CONTROL-M900	
* 000010	SDS	20 NOV 62	PPR	H	89//	8	→ SELECTIVE HALT TRACE	
* 000011	SDS	23 NOV 62	PPR	H	288//	36	→ BASIC UTILITY PACKAGE IV	
* 000012	SDS	27 NOV 62	PPR	H	133//	14	→ BLOCK RELOCATISM ROUTINE	
* 000013	SDS	7 MAY 63	PPR	S X S	52//	1	→ GENERAL RELOCATABLE BINARY LOADER	
004001	SDS	5 DEC 62	SUB*	H X S	192	14	MEMORY DIAGNOSTIC	
004002	SDS	25 OCT 62	SUB*	H X S	1928	28	INSTRUCTION DIAGNOSTIC	
004003	SDS	13 OCT 62	SUB*	H X S	72	5	PERIPHERAL DIAGNOSTIC	
* 004004	SDS	5 DEC 62	PPR*	H No list S	27031	50	→ EXAMINER DIAGNOSTIC SYSTEM	
004005	SDS	30 MAY 62	PPR	H	47	3	RANDOM NUMBER MEMORY TEST - SELF FILLING	
* 012001	SDS	22 AUG 63	FSUB	S No list	201	10	FORTRAN RUN-TIME DEBUG SUBROUTINE	
* 012002	SDS	11 SEP 63	B	S No list	203	7	FORTRAN MAP ROUTINE	
* 020001	SDS	7 SEP 62	PPR	H	24//	4	→ BINARY DUMP - BOOTSTRAP	
020002	SDS	13 SEP 62	PPR*	H	308	34	HELP BCTAL ENTRY AND CNTRL	-HBC
020003	SDS	28 SEP 62	SUB*	H	104	12	HELP MEMORY PRINT/PUNCH ROUTINE	-MPP
020004	SDS	9 OCT 63	SUB*	H	84	12	HELP. WORD OUTPUT SUBROUTINE	-WOD
020005	SDS	4 OCT 62	SUB*	H	55	7	HELP BINARY DJMP. RELOCATING SUBR.	-BDR
020006	SDS	4 OCT 62	SUB*	H	43	7	HELP. SELECTIVE BINARY DUMP	-SBD
020007	SDS	21 SEP 62	PPR	H	120	9	HELP. STRETCH TYPEWRITER I/O PPR	-STR
020008	SDS	4 OCT 62	SUB*	H	248	24	HELP. TRACE ROUTINE	-TRA
020009	SDS	9 OCT 62	SUB*	H	145	12	HELP. PAPER TAPE EDITAR	-PTE
020010	SDS	27 SEP 62	SUB*	H	108	10	HELP PRG DOCUMENTATION AND LISTING-PDL	
* 020011	SDS	14 NOV 62	PPR	H	32//	8	→ BINARY DUMP AND PUNCH RELOCATING BOOTSTRAP	
* 020012	SDS	15 AUG 63	PPR	S	270//	10	→ PAPER TAPE REPRODUCER PROGRAM	
* 020013	SDS	10 OCT 63	PPG	F X -	4785//	4	→ FORTRAN TAPE REPRODUCE AND UPDATE	
* 022001	SDS	1 FEB 63	PACK*	WITH IN SEPARATE COVER	/	18	HELP UTILITY SYSTEM - SYSTEM DESCRIPTION	
022007	SDS	15 JUL 63	PPR	S	4795		SDS 910/920 FORTRAN II LOADER	

027001	SDS	22	ACT	63	PRB	S		869	4	TIMING AND POWER FAILURE RECOVERY DEMO
*030001	SDS	19	SEP	63	PRB	S	2 Copies	8/27/64	645//	11 SYM CARD T9 SYM PAPER TAPE FORMAT
*030002	SDS	29	AUG	63	R	S	2 Copies	8/27/64	138//	6 CARD T9 TYPEWRITER
*030003	SDS	21	ACT	63	PRB	S	2 Copies	8/27/64	174//	2 → CARD-T9-MAGNETIC-TAPE CONVERSION PROGRAM
*034001B	SDS	10	MAY	63	PRB	S	2 Copies	8/27/64	268//	9 CARD READER TEST PROGRAM
*034002	SDS	9	MAY	63	PACK	S	2 Copies	8/27/64	172//	7 CARD PUNCH TEST PROGRAM PACKAGE
*040001	SDS	20	MAR	63	PAP	S			501//	53 → 15KC MAG TAPE PAP INTERPRETER (W BUFFER)
*044002	SDS	29	DEC	62	PRB	H			1724//	50 → MAGNETIC TAPE SYSTEM EXERCISER (15KC) ST
*044003	SDS	22	APP	63	PRB	S			5924//	47 → 15KC MAGNETIC TAPE TEST
*049001	SDS	29	OFC	62	PRB	H			1724//	51 → MAG. TAPE EXERCISE. 2 TAPE SYSTEM - 15KC
*074001	SDS	28	MAY	63	PRB	S			587//	54 → 42KC MAG TAPE TEST PROGRAM (W BUFFER)
*074002	SDS	28	MAY	63	PRB	S			593//	1 → 42KC MAG TAPE TEST PROGRAM (Y BUFFER)
*074003	SDS	28	MAY	63	PRB	S			993//	1 → 42KC MAG TAPE SYSTEM EXERCISER -W BUFFER
*074004	SDS	23	MAY	63	PRB	S			997//	63 → 42KC MAG TAPE SYSTEM EXERCISER -Y BUFFER
*080001	SDS	1	JUN	63	PAP	S	X	S	257//	8 → GRAPH PLATTER CONTROL PAP
*084001	SDS	3	JUN	63	PRB	S			37//	2 → MAELEY PLATTER TEST PROGRAM
*084002	SDS	18	JUL	63	B	S			265//	7 → CAL-CAMP PLATTER TEST
090002	SDS	13	DEC	62	PRB	H			133	1 BLOCK RELACEMENT ROUTINE - STRETCH
090003	SDS	31	JUL	63	PRB	S			266	8 LINE PRINTER MEMORY DUMP
090004	SDS	27	SEP	63	PRB	S			550	20 CARD TO MAGNETIC TAPE TO LINE PRINTER
094005	SDS	16	JAN	63	PRB	H			1724	8 GAUSSIAN DISTRIBUTION TEST ANALOG INPUTS
094006	SDS	16	APR	63	PRB	H			500	12 PRIORITY INTERRUPT TEST
094007	SDS	19	JUN	63	PRB	S			1500	18 LINE PRINTER TEST PROGRAM
099003	SDS	9	MAY	63	PRB	S	X	S	2743	1 PRIORITY INTERRUPT SOURCE TEST
100001	SDS	24	MAY	63	SUB	S	F	D	477	6 DECIMAL INPUT SUBROUTINE
101002	SDS	20	NAV	62	PACK	H	F	S	192	2 FLOAT SINGLE ARITH PAP PK SELF FL - FSPA
101003	SDS	27	NAV	62	PAP	H	F	D	115	1 FIXED-FLOAT FORMAT CNV PAP SELF FL - FFF
101004B	SDS	31	JUL	63	PACK	H	X	S	231	2 SDS 920 INSTR PACK BASIC SELF FILL SIPS
101005	SDS	20	DEC	62	PAP	H	X	S	59	5 MULTIPLY AND FAST DIV PAPS SELF FILL
101006B	SDS	19	APR	63	PACK	S	X	D	215	6 DOUBLE PREC ARITH PAP PK SELF FL - XDPA
101007	SDS	17	JAN	63	PAP	S	X	D	25	1 ADD DOUBLE PRECISION PAP SELF FILL - DPA
101008	SDS	26	FEB	63	PACK	H	F	D	203	2 FLOAT DOUBLE ARITH PAP PK SELF FL - FDPA
101010	SDS	29	MAY	63	SUB	H	X	S	500	4 PPLAP T8/FRM CARTESIAN CONVERSION
102002	SDS	1	MAR	63	PRB	S			4795	42 SDS 910 SYMBOL
102003B	SDS	29	JUL	63	PACK	S			225	SDS 910 PROGRAMMED OPERATOR PACKAGE
102001B	SDS	25	JUL	63	PRB	H	X	S	119	2 MULTIPLY DIVIDE MLDIV
102002	SDS	9	JAN	63	PRB	H			17	1 MULTIPLY -- MUL
102003B	SDS	25	JUL	63	PAP	H	X	S	103	1 DIV
102004B	SDS	25	JUL	63	PACK	H	X	S	231	9 SDS 920 INSTRUCTION PACK BASIC SIPS
102007	SDS	2	JAN	63	PAP	S	X	S	53	2 ACFTANGENT-ATN

100008	EDS 19 DEC 62	BOP	S	X	S	72	2	EXPONENTIAL-EXP
100010	ENS 14 NSV 62	PACK	H	F	S	49	2	LFGAPITHM-LG
100011	EDS 20 NSV 62	BOP	H	F	D	181	14	FLBAT SINGLE ARITH PBP PK - FSPA
1000128	EDS 24 JUN 63	BOP	S	X	D	115	1	FIXED-FLBAT FORMAT CNU BOP - FFF
1000138	EDS 24 JUN 63	BOP	S	X	S	115	2	DECIMAL TS DECIMAL CONVERSION FIXED-SNGL
100014	EDS 15 JAN 63	BOP	S	X	S	111	2	DFCIMAL TS BINARY CONVERSION FIXED-SNGL
100015	ENS 16 JAN 63	BOP	S	F	S	79	2	BINARY TS DECIMAL CONVERSION FLTNG-SNGL
100016	EDS 16 JAN 63	BOP	S	X	D	25	1	DECIMAL TS BINARY CONVERSION FLTNG-SNGL
100017	ENS 16 JAN 63	BOP	S	X	D	24	1	SUBTRACT DOUBLE PRECISION BOP - DPA
100018	ENS 2 JAN 63	PACK	X	X	S	3	3	SINE-COSINE-CSSP
100019	ENS 14 JAN 63	BOP	S	X	S	77	3	SQUARE RBBT FIXED-SINGLE
100020	ENS 16 MAR 63	PACK	S	X	T	17	2	LOAD AND STORE TRIPLE PRECISION
100021	ENS 7 MAR 63	PACK	S	X	D	21	2	LOAD AND STORE QUADRUPLE PRECISION
1000228	EDS 15 JUN 63	PACK	S	X	D	215	8	DOUBLE PREC ARITH BOP PK - YDPA
100023	EDS 19 FEB 63	PACK	H	F	D	302	22	FLOAT DOUBLE ARITH PBP PK - PBD
100024	EDS 21 JUN 63	BOP	S	F	D	155	5	LFGAPITHM-LGF
100025	EDS 24 JUN 63	BOP	S	F	D	193	5	EXPONENTIAL-EXP
100026	ENS 9 JUL 63	BOP	S	F	D	279	5	ARCTANGENT-ATF
100027	ENS 9 JUL 63	PACK	S	F	D	209	6	SINE-COSINE-CSFB
100028	ENS 20 JUN 63	BOP	S	F	D	89	6	SQUARE RBBT FLOATING-DUBLE
100029	EDS 20 JUN 63	BOP	S	X	D	157	6	ACPTANGENT-ATD
100034	EDS 24 JUN 63	PACK	S	X	D	124	4	SINE-COSINE-CSDP
100035	EDS 21 JUN 63	BOP	S	X	D	80	2	SQUARE RBBT FIXED-DOUBLE
100036	EDS 20 JUN 63	BOP	S	X	D	197	2	DECIMAL TS BINARY CONVERSION FIXED-DBL
100037	EDS 24 JUN 63	BOP	S	X	D	193	3	BINARY TS DECIMAL CONVERSION FIXED-DBL
100038	EDS 14 JUN 63	BOP	S	F	D	174	5	DECIMAL TS BINARY CONVERSION -- DBL
100039	ENS 14 JUN 63	BOP	S	F	D	193	6	BINARY TS DECIMAL CONVERSION -- DBL
100040	ENS 15 JUN 63	BOP	S	X	D	72	1	DOUBLE PRECISION MULTIPLY BOP - DPK
100042	EDS 20 MAY 63	BOP	H	X	S	49	4	HIGH SPEED ARCTANGENT BOP SELF FL - ATN
100043	EDS 20 MAY 63	BOP	H	X	S	43	3	HIGH SPEED MULT AND DIV PBP SELF FL
100044	ENS 1 APR 63	BOP	H	X	S	169	7	HIGH SPEED CMS CIN-CAS BOP SELF FL - SIN
100045	EDS 1 APR 63	BOP	H	X	S	162	6	HIGH SPEED ARCTANGENT THREE SIX
100046	EDS 1 APR 63	BIG	H	X	S	45	2	FIELD EXPANSION THREE SIX
100047	EDS 1 APR 63	BIG	H	X	S	603	4	POLAR TB-FRAM CARTESIAN CNA SELF FILL
100048	ENS 20 MAY 63	BIG	H	X	S	133	6	SYMBOL TABLE PRINTER 910
100049	ENS 19 MAY 63	BIG	H	X	S	495	1	SYMBOL TABLE PRINTER 910
100050	ENS 19 MAY 63	BIG	H	X	S	495	1	SYMBOL TABLE PRINTER 910
100051	ENS 1 AUG 63	D	S	X	S	3405	10	PAPER TAPE UPDATING ROUTINE
100052	ENS 1 AUG 63	D	S	X	S	3496	1	PAPER TAPE UPDATING ROUTINE

122004	SDS	15 JUL 63	PRA	S		4796	SDS 910 FORTRAN II COMPILER (PAPER TAPE)	
122005	SDS	15 JUL 63	PRA	S		4796	SDS 910 FORTRAN II RUN-TIME	
122006	SDS	15 JUL 63	PACK	S			SDS 910 FORTRAN II LIBRARY	
122008	SDS	15 JUL 63	PACK	S		4796	SDS 910 FORTRAN II SYSTEM (PAPER TAPE)	
122009	SDS	1 AUG 63	D	S	X	233	SEQUENCE NUMBER ASSIGNMENT	
199003	SDS	1 APR 63	PRA	H	F	200	MILGS RAMPART TEST	
* 200001	SDS	11 MAR 63	SUB	S	F	D	345// 6 → DECIMAL INPUT SUBROUTINE	
* 200003	SDS	1 APR 63	B	S		240// 6 → FORTRAN II SYSTEM PROGRAM GENERATOR		
* 201002	SDS	5 FEB 63	PACK	S	F	S	133// 2 → FLOATING-SINGLE ARITHMETIC PACKAGE	
* 201003	SDS	26 FEB 63	PAP	H	F	D	83// 1 → FIXED-FLOAT FORMAT CNV PSP SELF FL - FFF	
* 201006	SDS	19 APR 63					95// 2 → FIXED-DOUBLE ARITHMETIC PACKAGE	
* 201007	SDS	6 MAR 63	PRA	S	X	D	91// 1 → DOUBLE PRECISION ADD	
* 201008	SDS	7 MAY 63	PACK	S	F	D	205// 2 → FLOATING-DOUBLE ARITHMETIC PACKAGE	
* 201009	SDS	6 MAR 63	PRA	S	X	D	87// 1 → DOUBLE PRECISION SUBTRACT	
201012	SDS	27 SEP 63	B	S	F	D	109 6 → REAL-R98T FINDER	
202001	SDS	5 JAN 63	B	S		4796 110	FORTRAN II COMPILER (FLD TST VER-PT)	
* 202002B	SDS	01 FCT 63	PRA	S	NOT IN NOTEBOOK	4796// 1	SDS 920 SYMBOL 4B	
202003	SDS	6 APR 63	PACK*	S			187	SDS 920 PROGRAMMED OPERATOR PACKAGE
202004	SDS	1 APR 63	PRA	S		4796 110	SDS 920 FORTRAN II COMPILER (PAPER TAPE)	
202005	SDS	1 APR 63	PRA	S		4796 31	SDS 920 FORTRAN II RUN-TIME	
202006	SDS	1 APR 63	PACK	S		2293 81	SDS 920 FORTRAN II LIBRARY	
202007	SDS	1 APR 63	PRA	S		4796 31	SDS 920 FORTRAN II LOADER	
* 202008E	SDS	1 APR 63	PACK	S	NOT IN NOTEBOOK	4796// 253	SDS 920 FORTRAN II SYSTEM (PAPER TAPE)	
* 202009	SDS	30 JUL 63	B	S		11// 2 → PHOTREADER MODIFICATION FOR 920 SYMBOL		
* 202010	SDS	1 AUG 63	D	S	X	233// 5	SEQUENCE NUMBER ASSIGNMENT	
* 202011	SDS	1 AUG 63	D	S	Y	S	3405// 10 → PAPER TAPE UPDATING ROUTINE	
203006	SDS	19 FEB 63	PACK*	S	X	S	31 3 → SINE-COSINE-COSH	
203007	SDS	14 FEB 63	PAP*	S	X	S	55 2 → ACCTANGENT-ATN	
203008*	SDS	5 MAR 63	PAP*	S	X	S	60 2 → EXPONENTIAL-EXP	
203009*	SDS	14 FEB 63	PAP*	S	Y	S	47 2 → LOGARITHM-LG	
203010	SDS	5 FEB 63	PACK*	S	F	S	133 5 → FLOATING-SINGLE ARITHMETIC PACKAGE	
* 203011*	SDS	26 FEB 63	PAP NO THRE PART OF P00	D		82NO TAN 9 → FIXED-FLOAT FORMAT CNV PSP - FFF		
203012	SDS	9 APR 63	PAP*	S	X	S	95 2 → BINARY TO DECIMAL CONVERSION FIXED-SNGL	
203013	SDS	24 APR 63	PAP*	S	X	S	82 2 → DECIMAL TO BINARY CONVERSION FIXED-SNGL	
203014	SDS	15 JAN 63	PAP*	S	F	S	74 2 → BINARY TO DECIMAL CONVERSION FLOAT-SNGL	
203015	SDS	16 JAN 63	PAP*	S	F	S	52 2 → DECIMAL TO BINARY CONVERSION FLOAT-SNGL	
203016	SDS	6 MAR 63	PAP*	S	X	D	8 1 → DOUBLE PRECISION ADD	
203017	SDS	5 MAR 63	PAP*	S	X	D	8 1 → DOUBLE PRECISION SUBTRACT	
203019	SDS	26 DEC 62	PAP*	S	Y	S	84 2 → SQUARE ROOT FIXED-SINGLE	
203020	SDS	6 MAR 63	PACK*	S	Y	T	17 2 → LOAD AND STORE TRIPLE PRECISION	

203021	SDS	7	MAR	63	PACK	S	X	D	21	2	LEAD AND STORE QUADRUPLE PRECISION
203022	SDS	15	FEB	63	PACK	S	X	D	95	7	FIXED-DOUBLE ARITHMETIC PACKAGE
203023	SDS	1	MAR	63	PACK	S	F	D	205	7	FLOATING-DOUBLE ARITHMETIC PACKAGE
*203024B	SDS	28	JUN	63	PRP NO TAPE	PRP OF MP	D	D	203024	144	5 → LOGARITHM-LGF FLOATING
*203025B	SDS	19	MAR	63	PRP NO TAPE	F	D	D	203025	153	4 → EXPONENTIAL-EXP FLOATING (2, 8, 10)
*203026B	SDS	23	APR	63	PRP NO TAPE	F	D	D	203026	241	4 → ACOTANGENT-ATF FLOATING-POINT
*203027B	SDS	17	APR	63	PACK NO TAPE	F	✓	D	203027	209	5 → SINE-COSINE-CSEF SIN, FLOATING-POINT SIN
203029	SDS	22	MAR	63	PRP*	S	F	D	71	3	SQUARE ROOT FLOATING-DOUBLE
203032	SDS	26	APR	63	PRP*	S	X	D	155	3	ACOTANGENT-ATD
203033	SDS	26	APR	63	PACK*	S	X	D	145	4	SINE-COSINE-CSDP
203035	SDS	22	MAR	63	PRP	S	X	D	79	3	SQUARE ROOT FIXED-DOUBLE
203036	SDS	26	APR	63	PRP*	S	X	D	175	2	DECIMAL TO BINARY CONVERSION FIXED-DBL
203037	SDS	17	APR	63	PRP*	S	X	D	191	3	DECIMAL TO BINARY CONVERSION FIXED-DBL
203038	SDS	26	APR	63	PRP*	S	F	D	167	6	DECIMAL TO BINARY CONVERSION -- DBF
203039	SDS	25	APR	63	PRP*	S	F	D	167	6	BINARY TO DECIMAL CONVERSION -- DBF
203040	SDS	29	APR	63	PRP*	S	X	D	27	1	DOUBLE PRECISION MULTIPLY
*203041	SDS	17	JUN	63	PACK	S	F	T	259//11	6	→ FLOATING-TRIPLE ARITHMETIC PACKAGE
*203042	SDS	19	JUN	63	PACK	S	F	D	175//11	7	→ THREE-WORD FLOATING-DOUBLE ARITH. PACK.
209001	SDS	20	NOV	63	PACK	H			132	2	SDS 910 SIMULATION PRP PACKAGE
209006B	SDS	29	ACT	63	PRP	S			4795	1	SDS 920/910 SYMBOL 43
232001	SDS	10	MAY	63	PRP	S			4795	120	SDS 920 FORTRAN II COMPILER (FTV-OR-CAD)
242002	SDS	17	SEP	63		S	X	S	102	14	SDS 920 SYSTEM TAPE AND CONTROL ROUTINE
290001	SDS	15	AUG	63	SUB	S			562	9	LINE PRINTER TRACE-TPL
*004006	SDS	22	JAN	64							→ PHOTO READER TEST
*000015	SDS	11	JAN	64							→ BINARY PAPER TAPE LISTER
*020016	SDS	21	JAN	64							→ PROGRAMMED OPERATOR LIBRARY EDIT ROUTINE
*012003	SDS	12	NOV	63							→ FORTRAN FREE INTERRUPT SUBROUTINE
*203028B	SDS	17	JAN	64	DATA FOR 1620 - 21						→ COSINE, FLOATING - CSE
*012004	SDS	13	JAN	64							→ SEQUENCE NO. ASSIGNMENT & PAPER TAPE LIPPING ROUTINES
*032001	SDS	20	JAN	64							→ FORTRAN PUNCH ROUTINE FOR 1620 - 21
*034003	SDS	4	JUNE	64							→ CARD PUNCH TEST ROUTINE
*232003	SDS	31	JULY	64							→ FORTRAN II CARD/TAPE INPUT MODIFICATION
*232004	SDS	28	JULY	64							→ FORTRAN II CARD INPUT MODIFICATION
*004007	SDS	18	MAR	64							→ RANDOM NUMBER MEMORY TESTER
*020017	SDS	11	MAR	64							→ Program Correction Tape Generator
*049001	SDS	24	DEC	64	Appears twice						→ MAG TAPE EXERCISER FOR TWO TAPE SYSTEM
*074001	SDS	13	MAY	63							→ 42 KC MAGNETIC TAPE CHECKER
*202005B	SDS	11	Feb	64	II	Two tape - one control					→ Correcting to Programmed Operator Package
*20002B	SDS	20	MAR	64	I						→ SYMBOL TABLE PRINTER
*000015B	SDS										→ BINARY PAPER TAPE LISTER
*203011B	SDS	11	Feb	64	O tapes 1 and 2						→ FIXED-FLOATING FORMAT CONVERSION OPERATOR - FFF
*060004	SDS					1 TAPE 2 COPIES MODE					→ UNKNOWN LINE PRINTER TEST

## SDS PROGRAM LIBRARY ADDENDA      10/18/65

012029	SDS	21SEP65	PACK	M	F	D	N/A	13	SDS ALGOL 900 SERIES, 8K VERSION
020012C	SDS	9SEP65	PRO	M	X	S	344	18	PAPER TAPE REPRODUCER PROGRAM
024002	SDS	28JUN65	B	M	X	S	267	10	SEMI-AUTOMATIC TYPEWRITER TEST
042035	SDS	21SEP65	PACK	M	F	D	N/A	16	SDS ALGOL 900 SERIES, 4K VERSION
047001	SDS	12AUG65	PACK	F				9	DEMONSTRATION OF LINKING UNDER MONARCH
062005	SDS	24SEP65	FSUB	S			88	5	FORTRAN PRINT SUBROUTINE - 211 UNBUFFERED
064004B	SDS	4AUG65	PROB	M	X	S	1197	86	9379/9171 BUFFERED LINE PRINTER DIAGNOSTIC
094020	SDS	9SEP65	PRO	M	X	S	3805	116	CATHODE RAY TUBE DISPLAY TEST 900 SERIES
160001	SDS	27SEP65	PRO	M	X	S	1527	49	SAM910-A SELECTIVE AUTO-MONITOR
533001B	SDS	23AUG65	SUB	M	X	S	142	10	CARD READ SUBROUTINE (CDR)
533002B	SDS	23AUG65	SUB	M	X	S	182	11	CARD READ/PUNCH SUBROUTINE (CDRP)
604006B	SDS	7SEP65	PRO	M	X	S	267	8	9300 SEMI-AUTOMATIC TYPEWRITER TEST
615001	SDS	24AUG65	PRO	F	F	D	1232	7	POLYNOMIAL TELESCOPER
633001C	SDS	23AUG65	SUB	M	X	S	151	12	CARD READ SUBROUTINE (CDR)
633002C	SDS	23AUG65	SUB	M	X	S	191	14	CARD READ/PUNCH SUBROUTINE (CDRP)
642029	SDS	21SEP65	PACK	M	F	D	N/A	16	SDS ALGOL 9300, 8K VERSION
664003B	SDS	4AUG65	PRO	M	X	S	1197	57	9379/9171 BUFFERED LINE PRINTER DIAGNOSTIC
794001	SDS	25AUG65	B	M	X	S	1600	72	MTE-2 MAGNETIC TAPE EXERCISER
797001	SDS	20AUG65	PRO	S			1664	15	92 REAL TIME CLOCK TEST

## SDS PROGRAM LIBRARY ADDENDA

9/13/65

000015C	SDS	7JUL64	PRO	M	X	S	140	6	BINARY PAPER TAPE LISTER
000016C	SDS	23JUL65	PRO	S			252	9	BINARY DUMP, PAPER TAPE OR CARDS
012013B	SDS	6AUG65	B	M	X	S	2603	147	AID UTILITY AND DEBUGGING SYSTEM
03C012	SDS	9AUG65	PRO	S	X	S	12	3	CARD FILL SIMULATOR (910/920)
06C005B	SDS	28JUN65	SUB	M	X	S	192	12	LINE PRINTER SUBROUTINE(PRINT)
092004B	SDS	13MAY65	SUB	M			77	6	FORTRAN TYPE SUBR.214 (LONG CARRIAGE)
132006	SDS	10MAY65	B	M			180	6	FORTRAN II CARD OUTPUT MODIFICATION
201013	SDS	17AUG65	SUB	M	X	S	23	3	LINEAR INTERPOLATION (1 INDEPENDENT VAR)
201014	SDS	17AUG65	SUB	M	X	S	74	5	LINEAR INTERPOLATION (2 INDEPENDENT VAR)
201015	SDS	17AUG65	SUB	M	X	S	135	7	LINEAR INTERPOLATION (3 INDEPENDENT VAR)
202008K	SDS	14JUL65	PACK	S			4096	2	SDS 920/930 FORTRAN II SYSTEM (PAP TAPE)
303001B	SDS	25JUN65	PACK	M	F	D	233	10	DBL PREC FLT PNT PROGRAMMED OPERATOR PKG
394002B	SDS	2JUL64	B	M	X	S	7000	60	MTE-1 MAG TAPE EXERCISER
600004C	SDS	23JUL65	PRO	S			251	9	BINARY DUMP, PAPER TAPE OR CARDS
600011	SDS	12AUG65	PACK	M			2426	26	UTILITY AND DEBUG PACKAGE (AID)
624002	SDS	28JUN65	PRO	M	X	S	455	23	SDS 9300 PHOTO-READER TEST PROGRAM

## SDS PROGRAM LIBRARY ADDENDA 11/11/65

012013C	SDS	128CT65	PR&B	M	X	S	2584	149	UTILITY AND DEBUG PACKAGE (AID)
030013	SDS	1SEP65	B	M			135	7	900 SERIES THREE CARD RELOCATABLE LOADER
034001D	SDS	30SEP63	PR&B	M				23	CARD READER TEST PROGRAM
034005	SDS	8OCT2265						2	STANDARD TEST CARD DECK DOCUMENTATION
064005	SDS	29SEP65	PR&B	M	X	S	1510	10U	900 MOD 9372 UNBUFF LINE PRINTER TEST
112014	SDS	18CT65	PACK	M	F	D	N/A	2	SDS ALGOL 60-BASIC 4K SYSTEM
112028	SDS	268CT65	PACK	M	F	D		1	910-925 REAL TIME FORTRAN II
142007	SDS	18CT65	PACK	M	F	D	N/A	3	SDS ALGOL 60-EXTENDED 8K SYSTEM
145009	SDS	1NOV65	PACK	M	X	S	8000		SDS 910/925 SORT/MERGE PACKAGE
212003	SDS	18CT65	PACK	M	F	D	N/A	3	SDS ALGOL 60-BASIC 4K SYSTEM
212017	SDS	118CT65	PACK	S	F	D	N/A	34	920/930 REAL TIME FORTRAN II
242008	SDS	18CT65	PACK	M	D	F	N/A	3	SDS ALGOL 60-EXTENDED 8K SYSTEM
245009	SDS	1NOV65	PACK	M	X	S	8000		SDS 920/930 SORT/MERGE PACKAGE
260004	SDS	228CT65	PR&B	M	X	S	879	50	SAM920-A SELECTIVE AUTO-MONITOR
394002C	SDS	9SEP65	B	M	X	S	6120	60	MTE-1 MAGNETIC TAPE EXERCISER
524001B	SDS	048CT65	PR&B	M	X	S	843	29	EXTENDED MODE I/O TEST PROGRAM
534001C	SDS	30SEP63	PR&B	M			648	28	CARD READER TEST PROGRAM
534002	SDS	188CT65	PR&B	M			314	17	9158 CARD PUNCH TEST PROGRAM-925/930
560001	SDS	58CT65	SUB	M	X	S	0426	13	MOD 9372 UNBUFF LINE PRINTER SUBROUTINE
604002B	SDS	26AUG65	PR&B	M			137	14	P AND S REGISTER TESTER
634001C	SDS	30SEP65	PR&B	M			648	28	CARD READER TEST PROGRAM
634004	SDS	188CT65	PR&B	M			317	17	9158 CARD PUNCH TEST PROGRAM-9300
640001C	SDS	188CT65	SUB	M	X	S	523	31	MAGNETIC TAPE HANDLER (MTAPE)
642002	SDS	18CT65	PACK	M	D	F	N/A	2	SDS ALGOL 60-EXTENDED 8K SYSTEM
645009	SDS	1NOV65	PACK	M	X	S	8000		SDS 9300 SORT/MERGE PACKAGE

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## SDS USERS' GROUP CERTIFIED PROGRAMS

CATALOG NUMBER	INST CODE	INST DATE SUBMITTED	PROG FORM	LANG	ARITH MODE	ARITH PREC	STOR	DOC PGS	DATE CERTIFIED	CERT	TITLE
00C00001	NRC	2 14 64	FSUB	F	F	D	139	3	5 23 64	2	POLYNOMIAL ADD OR SUB POLYADD
00C00002	NRC	2 7 64	FSUB	F	F	D	100	3	5 23 64	2	POLYNOMIAL PRODUCT POLYMULT
00C00006	NRC	3 25 64	FSUB	F	F	D	166	4	5 23 64	2	SERIES EXPAN, RATIONAL POLY
00C20001	NRC	1 10 64	FSUB	F	F	D	748	6	5 23 64	2	BAIRSTOW ROOTFINDER
00C20002	NRC	1 10 64	PRO	F	FF	D	3171	5	5 23 64	2	ROOTS OF POLYNOMIALS
00C30005	NRC	2 14 64	FSUB	F	FF	D	491	5	5 13 64	2	BESSEL FUNCTION K*N(X)
00D10001	NRC	2 14 64	FSUB	F	FF	D	172	3	5 13 64	2	DEFINITE INTEGRAL EVALUATION
00D10002	NRC	2 14 64	FSUB	F	FF	D	206	3	5 15 64	2	DOUBLE INTEGRATION SIMPSON RULE
00D20001	NRC	2 7 64	FSUB	F	FF	D	351	9	5 15 64	2	SOLN OF DIF EQUA BY RKG METHOD
00E10001	NRC	2 14 64	FSUB	F	FF	D	87	3	5 15 64	2	LAGRANGE INTERPOLATION
00E20001	NRC	1 10 64	FSUB	F	FF	D	752	5	5 23 64	2	POLYNOMIAL CURVE FIT
00E20002	NRC	1 10 64	PRO	F	FF	D	3833	6	3 23 64	2	LEAST SQUARES POLYNOMIAL
00F10002	NRC	2 7 64	FSUB	F	FF	D	128	2	3 23 64	2	MATRIX MULTIPLICATION
00F40001	NRC	1 10 64	FSUB	F	FF	D	534	4	3 23 64	2	MATRIX INVER + DETERMINANT CALC
00F40002	NRC	1 10 64	FSUB	F	FF	D	269	3	3 23 64	2	GAUSS-JORDAN SOLUT OF SIM EQUAS
00G50001	SDS	4 3 64	FSUB	F	FF	S	26	3	9 15 64	2	PSUEDO-RANDOM NUMBER SUB IRAND
00G50002	NAM	12 11 64	FSUB	S	F	D	31	8	2 15 65	2	RANDOM NUMBER GENERATOR
00G60001	SDS	4 2 64	SUB	S	X	S	14	4	9 15 64	2	PSUEDO-RANDOM NUMBER SUB RAND

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SDS USERS' GROUP UNCERTIFIED PROGRAMS

CATALOG NUMBER	INST CODE	INST SUBMITTED	DATE	PROG FORM	LANG	ARITH MODE	ARITH PREC	STOR	DOC PGS	DATE CERTIFIED	CERT	TITLE
00C00005	NRC	4	7 64	FSUB	F	F		D	371	5	1	RATIONAL POLY SUBSTITUT POLYSUB
00C20003	NRC	3	22 65	FSUB	F	F		D	168	4	0	ROOTBIS, RTFINDING BY BISECTION
00C30001	NRC	2	14 64	FSUB	F	F		D	90	2	0	LEGENDRE POLYNOMIAL
00C30002B	NRC	3	22 65	FSUB	F	F		D	100	3	0	GAMMA FUNCTION
00C30003B	NRC	4	23 65	FSUB	F	F		D	464	4	0	BESSEL FUNCTION J <sub>0</sub> , J <sub>1</sub> , Y <sub>0</sub> , Y <sub>1</sub>
00C30004	NRC	2	14 64	FSUB	F	F		D	113	3	0	REAL EXPONENTIAL INTEGRAL
00E40002	TMC	4	8 65		F				3535	18	0	FOUR-COMPUTE FOURIER SER COEF
00F30001	NRC	2	7 64	FSUB	F	F		D	229	2	1	DETERMINANT EVALUATION
00G50003	ETH	5	1 65	FSUB	F	F		S	400	2	0	RANDOM NUMBER GENERATOR, RANDU
00G50004	JPP	7	12 65	SUB	S	F		D	18	5	0	UNCORRELATED RAND NUMB GENRATOR
00J30001	NRC	9	16 64	FSUB	S	X		S	5	2	1	BLANK, PAPER TAPE LEADER GENER
00K10001	APL	10	30 65	PRO	S				2048		0	COMPUTER ASSEMBLY PR0GRAM
00L10001	VOC	10	20 65	FSUB	F	F		S	159		0	SORT ROUTINE
00M00001	SRI	11	23 64		B	S			480	13	0	EDIT, CHAR STREAM EDITING PROG
00Q00001C	NRC	4	23 65	FSUB	F	F		D	202	3	0	FREQ RESPONSE, DIG XFER FUNCTION
00Q00002B	NRC	4	23 65		F	F		D	118	4	0	INVERSE Z-TRANSFORM, INVZTRAN
00Q00003	TMC	11	5 64	PRO	F	F		S	3697	15	0	D-T-L CIRCUIT DESIGN
00Q00004	SDS	7	28 65	PRO	F	F		S	2000	5	0	BASIC CRITICAL PATH PROGRAM
09E20001	NAB	10	25 65	PRO	F	F		D	2911		0	NON-LINEAR CURVE FIT
09F10001	SDS	9	21 65	PRO	F	F		S	2048		0	PRINCIPAL AXES FACTOR ANALYSIS
C9G00001	SDS	9	15 65	PRO	F	F		S	3000		0	DISCRIMINANT FUNCTION ANALYSIS
09G20001	SDS	9	20 65	PRO	F	F		S	4096		0	LINEAR REGRESSION ANALYSIS
09J00001	PKE	8	15 65	PACK	F	F		S	2200		0	PILOT PACKAGE - SDS 9175 PLOTTER
09J00002	VOC	10	20 65	PRO	S	F		S	573		0	SCOOP TAPE PLOTTING ROUTINE
09N10001	MTR	8	30 65	PACK	F				3947		0	LINE PRINTER PLOTTING PACKAGE
09N10002	PKE	9	13 65	PACK	F	F		S	825		0	GRAPH ROUTINES FOR LINE PRINTER
09B20001	VOC	10	20 65	SUB	S				281		0	TAPE MOVING ROUTINE, TAPE
09G00001	NED	7	7 65	PACK	F	F		D	4526	24	0	AIRPLANE LAT-DIR TIME HISTORY
09R00001	SDS	8	1 65	PRO	F	F		S	4701	15	0	ON-LINE MATHEMATICAL COMPILER
20F10001	SDS	4	7 64	PACK	S	F		D	1424	85	1	MATRIX PACKAGE
20M20001B	DSM	3	17 65		B	S			544	10	0	FORTRAN RUN-TIME LISTER
27J00001	NGR	9	4 64	SUB	S	F		S	379	12	0	SDS 920 PLOT SUBROUTINE
27J00002	NGR	9	4 64	FSUB	S			S	490	15	0	SDS 920 FORTRAN PLOT SUBPROGRAM
29J00001	NGR	9	4 64	PRO	S	X		S	641	17	0	SDS 920 PLOT PROGRAM
60C30001	CAE	10	30 65	SUB	S	F		S	1443		0	BESSEL- J <sub>0</sub> , J <sub>1</sub> , Y <sub>0</sub> , Y <sub>1</sub> , I <sub>0</sub> , I <sub>1</sub> , K <sub>0</sub> , K <sub>1</sub>