

14166

OUTPUT 12

MEM. STRG. USED 02207  
03700 THRU 06105  
07000 THRU 07000

LOK	INSTR	L1ID	LO	
		0	MAIN	PROG*1219B*FACT*OCT*67
		1		REMARK*1219B FACT MODIFIED FROM 1219 FACT
		2		REMARK*MAIN MEMORY TEST
03700	50 7201	3	MAIN	ENTICR*01
03701	46 3732	4		STRAU*TEMP1
03702	44 5415	5		STRAL*ALPARM
03703	52 3737	6		SLCL*IDEX
03704	44 3731	7		STRAL*TEMP
				SAVE INDEX
				SAVE INITIAL AL INPUT PARAMETER
				000001
				SAVE
03705	76 6012	10		RJP*TYPE
03706	12 5415	11		ENTAL*ALPARM
03707	65 3711	12		JPALP*LOK+2
03710	76 6065	13		RJP*IOSET
03711	40 5320	14		CL*SRBANK
03712	40 5321	15		CL*BANK
03713	70 0001	16		ENTALK*0001
03714	44 5322	17		STRAL*BANK1
				TYPT AND TYPC SETUP
				INITIAL AL INPUT PARAMETER
				NON N+1 BUFFER TERMINATION
				N+1 BUFFER TERMINATION SETUP
				PRESTORE SRBANK BANK BANK1
03715	32 3731	20		ENTB*TEMP
03716	13 3735	21		ENTALB*ITNAL
03717	44 4144	22		STRAL*WIRE3
03720	32 3732	23		ENTB*TEMP1
03721	13 3737	24		ENTALB*IDEX
03722	44 5317	25		STRAL*BLMN
03723	12 3733	26		ENTAL*UNO
03724	44 5377	27		STRAL*PAR
				CONSIDER CONTROL MEMORY SIZE
03725	44 4644	30		STRAL*RWEX3
03726	12 3734	31		ENTAL*FNL
03727	44 5400	32		STRAL*PAR1
03730	34 3747	33		JP*CRANK1
				CONSIDER MAIN MEMORY SIZE
				SET UP TO TEST BANK 1 INITIALLY
				LOWER LIMIT
				LOWER LIMIT FOR RANDOM WORD
				UPPER LIMIT

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03731	00	0000	34	TEMP	0*0	
03732	00	0000	35	TEMP1	0*0	
03733	00	7777	36	UNO	00*7777	
03734	01	7777	37	FNL	01*7777	
03735	55	4120	40	ITNAL	IJP*WIRE	
03736	12	4156	41		ENTAL*WARE1	
03737	00	0001	42	IDEX	00*0001	
03740	00	0003	43		00*0003	
03741	00	0005	44		00*0005	
03742	00	0007	45		00*0007	
03743	00	0011	46		00*0011	
03744	00	0013	47		00*0013	
03745	00	0015	50		00*0015	
03746	00	0017	51		00*0017	
03747	50	7201	52	CRANK1	ENTICR*01	SET R TO 1
03750	50	5020	53		SKP*20	SET KEY 4 TO SUPPRESS TYPEOUTS
03751	34	3753	54		JP*HEAD	NOT SET-TYPE OUT
03752	34	4165	55		JP*TEST	SET GO TO TEST
03753	30	3754	56	HEAD	TYPT*\$CR\$MAIN MEMORY TEST	
03754	00	5416				
03755	76	5541				
03756	51	5600				
03757	55	4555				
03760	20	6271				
03761	00	6445				
03762	63	6477				
03763	70	0001	57	HEAD1	ENTALK*1	
03764	14	4021	60		ADDAL*COUNT	UPDATE COUNT
03765	44	4021	61		STRAL*COUNT	
03766	02	4022	62		CMAL*NUMB	FINISHED 10 CYCLES
03767	63	4165	63		JPNOT*TEST	NOPE
03770	40	4021	64		CL*COUNT	YES CLEAR COUNT FOR NEW START
03771	50	5020	65		SKP*20	KEY 4, SET TO SUPPRESS TYPE OUTS
03772	34	3774	66		JP*LOK+2	
03773	34	4006	67		JP*DOWN	
03774	12	4023	70		ENTAL*BAER	CHECK ERROR FLAG

03775	63	4012	71		JPALNZ*RECYL	TYPEOUT RECYCLE
03776	30	3777	72	HEAD2	TYPT*\$CR\$END 10 CYCLES\$CR\$	
03777	00	5416				
04000	76	4556				
04001	44	0021				
04002	20	0043				
04003	71	4354				
04004	45	6376				
04005	77	7777				
04006	50	5610	73	DOWN	STOP*10	END TEST
04007	50	5004	74	UP	SKP*04	SET SKIP2 TO STAY IN TEST
04010	55	3677	75		IJP*MAIN-1	NOT SET-EXIT
04011	34	3763	76		JP*HEAD1	SET, GO TO CYCLE COUNT
04012	30	4013	77	RECYL	TYPT*\$CR\$RECYCLE	
04013	00	5416				
04014	76	6245				
04015	43	7143				
04016	54	4577				
04017	40	4023	100		CL*BAER	CLEAR ERROR FLAG
04020	34	4006	101		JP*DOWN	
04021	00	0000	102	COUNT	0*0	
04022	00	0013	103	NUMB	00*13	
04023	00	0000	104	BAER	0*0	
			105	ERR0UT	PR0G*CASEY*8JUNE64	
04024	00	0000	106	ERR0UT	0*0	ENTRY
04025	72	4116	107		STRICR*SF	SAVE ICR
04026	50	7202	110		ENTICR*2	SET B TO 2
04027	30	4030	111	ERR1	TYPT*\$CR\$ERROR	
04030	00	5416				
04031	76	4562				
04032	62	2062				
04033	77	7777				
04034	30	4035	112	ERR2	TYPT*\$CR\$LAST ADDRESS 1ST ADDRESS	CORRECT INCORRECT
04035	00	5416				
04036	76	5441				
04037	63	6400				

04040 41 4444  
 04041 62 4563  
 04042 63 0021  
 04043 63 6400  
 04044 41 4444  
 04045 62 4563

04046 63 0000  
 04047 00 4320  
 04050 62 6245  
 04051 43 6400  
 04052 51 5643  
 04053 20 6262  
 04054 45 4364  
 04055 77 7777

04056 70 7777 113  
 04057 44 4023 114  
 04060 30 4061 115  
 04061 00 5652  
 04062 10 0076  
 04063 60 5410  
 04064 10 0000  
 04065 10 0000

TL1

ENTALK\*7777 ERROR SET  
 STRAL\*BAER ERROR FLAG  
 TYPC\*\$CR\$\*HERE\* \* \* \* \* \*THERE\* \* \* \* \* \*

04066 10 0000  
 04067 10 0000  
 04070 10 0000  
 04071 10 0000  
 04072 60 5411  
 04073 10 0000  
 04074 10 0000  
 04075 10 0000

04076 10 0000  
 04077 10 0000  
 04100 10 0000  
 04101 10 0000  
 04102 10 0000  
 04103 10 0000  
 04104 00 0000

04105	30	4106	116	TL2	TYPC*DIP* * * *DIP+1	
04106	00	5652				
04107	60	5406				
04110	10	0000				
04111	10	0000				
04112	10	0000				
04113	60	5407				
04114	00	0000				
04115	50	5604	117		STOP*04	STOP AFTER TYPEOUT
04116	50	7200	120	SF	ENTICR*0	RESTORE B REG
04117	55	4024	121		IJP*ERRHOUT	BACK
			122	WIRE	PROG*MUELLER*10CT64	
04120	00	0000	123	WIRE	0*0	
04121	42	4156	124		STRB*WARE1	CHECK FOR 128 CONTROL MEMORY
04122	12	4156	125		ENTAL*WARE1	
04123	02	4164	126		CMAL*LARGST	IS B LARGE ENOUGH
04124	65	4155	127		JPMLEQ*WURE3	YES EXIT
04125	12	4156	130		ENTAL*WARE1	CHECK FOR B LESS THAN PIE
04126	02	4157	131		CMAL*LEAST	
04127	65	4132	132		JPMLEQ*WIRE4	
04130	32	4157	133		ENTB*LEAST	
04131	55	4120	134		IJP*WIRE	
04132	12	4156	135	WIRE4	ENTAL*WARE1	B IN CONTROL MEMORY
04133	53	4160	136		SLCP*WARE2	B IN CONTROL MEMORY
04134	63	4137	137		JPALNZ*WARE3	NO
04135	37	0100	140		ENTBKB*0100	YES
04136	55	4120	141		IJP*WIRE	RETURN TO PROGRAM
04137	12	4156	142	WARE3	ENTAL*WARE1	CHECK FOR WIRED MEMORY
04140	53	4161	143		SLCP*WIRE2	IS IT WIRE
04141	63	4144	144		JPALNZ*WIRE3	NO
04142	37	0040	145		ENTBKB*0040	YES
04143	55	4120	146		IJP*WIRE	RETURN TO MAIN PROG
04144	12	4156	147	WIRE3	ENTAL*WARE1	CHECK FOR 256 CONTROL MEMORY
04145	53	4162	150		SLCP*WORE2	B IN 400
04146	63	4151	151		JPALNZ*WORE3	NO
04147	37	0140	152		ENTBKB*0140	YES ADD 140 TO B

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04150	55	4120	153		IJP*WIRE	RETURN TO MAIN PROG
04151	12	4156	154	WORE3	ENTAL*WARE1	B IN 600
04152	53	4163	155		SLCP*WURE2	
04153	63	4155	156		JPALNZ*WURE3	NO
04154	37	0100	157		ENTBKB*0100	
04155	55	4120	160	WURE3	IJP*WIRE	RETURN TO MAIN PROG
04156	00	0000	161	WARE1	0*0	TEMP STORAGE FOR B
04157	00	0100	162	LEAST	00*0100	
04160	00	0200	163	WARE2	00*0200	MASK FOR LOWER CONTROL MEMORY
04161	00	0500	164	WIRE2	00*0500	MASK FOR WIRED MEMORY
04162	00	0400	165	WORE2	00*0400	MASK FOR LOWER 256 CONTROL MEMORY
04163	00	0600	166	WURE2	00*0600	MASK FOR UPPER 256 CONTROL MEMORY
04164	00	0700	167	LARGST	00*0700	
			170	TEST	PRG*CASEY*8JUNE64	
04165	50	7201	171	TEST	ENTICR*01	
04166	32	5377	172		ENTB*PAR	LOWER LIMIT TO B FOR HOLD ZEROS
04167	56	5400	173		BSK*PAR1	HAVE ALL ADDRESSES BEEN CLEARED
04170	34	4172	174		JP*HDO	NO GO TO HOLD ZERO S/R
04171	34	4177	175		JP*HOCK	YES CHECK FOR ZERO HOLD
04172	76	4120	176	HDO	RJP*WIRE	TEST FOR WIRE OR CONTROL
04173	50	7310	177		ENTSR*10	
04174	41	0000	200		CLB*0	SET ADDRESS TO ZERO
04175	75	5414	201		STRSR*JVW	
04176	34	4167	202		JP*TEST+2	UPDATE ADDRESS
04177	32	5377	203	HOCK	ENTB*PAR	
04200	56	5400	204		BSK*PAR1	HAVE ALL ADDRESSES BEEN CHECKED
04201	34	4203	205		JP*LOK+2	NO KEEP CHECKING
04202	34	4243	206		JP*HD1	YES GO TO NEXT S/R
04203	76	4120	207		RJP*WIRE	TEST FOR WIRE OR CONTROL
04204	50	7310	210		ENTSR*10	
04205	13	0000	211		ENTALB*0	ENTER ADDRESS INTO AL
04206	75	5414	212		STRSR*JVW	
04207	63	4211	213		JPALNZ*LOK+2	CORRECT NO GO TO ERROR DISPLAY
04210	34	4200	214		JP*HOCK+1	YES KEEP CHECKING
04211	10	5401	215		ENTAU*PAT	ERROR CORRECT IN AU
04212	46	5406	216		STRAU*DIP	SAVE FOR TYPEOUT

04213	44	5407	217		STRAL*DIP+1	SAVE FOR TYPEOUT
04214	50	5601	220		STOP*01	STOP KEY 0 FOR ERROR DISPLAY
04215	42	5410	221		STRB*HERE	SET FAILING ADDRESS IN AL
04216	12	5410	222		ENTAL*HERE	SAVE ADDRESS
04217	50	5601	223		STOP*01	DISPLAY ADDRESS IN AL
04220	50	5020	224		SKP*20	TYPEOUT SUPPRESSED
04221	76	4225	225		RJP*PROOF	NO GO TO ERROR TYPEOUT
04222	50	5001	226		SKP*01	SET SKIP KEY 0 TO REPEAT TEST
04223	34	4200	227		JP*HOCK+1	NOT SET CONTINUE TEST
04224	34	4165	230		JP*TEST	SET RECYCLE SR
04225	00	0000	231	PROOF	0*0	
04226	42	5411	232		STRB*THRE	SAVE B COUNT
04227	56	5400	233		BSK*PAR1	KEEP CHECKING
04230	34	4233	234		JP*LOK+3	GO
04231	76	4024	235		RJP*ERROUT	
04232	55	4225	236		IJP*PROOF	GO BACK TO SR
04233	76	4120	237		RJP*WIRE	CHECK FOR WIRED AND CONTROL MEMORY
04234	50	7310	240		ENTSR*10	
04235	13	0000	241		ENTALB*0	ENTER CELL CONTENTS IN AL
04236	75	5414	242		STRSR*JVW	
04237	02	5406	243		CMAL*DIP	IS IT CORRECT
04240	61	4231	244		JPEQ*PROOF+4	LAST ONE WRONG
04241	42	5411	245		STRB*THRE	YEP
04242	34	4227	246		JP*PROOF+2	FINISH THE CHECK
			247	HD1	PROG*CASEY*9JUNE64	
04243	32	5377	250	HD1	ENTB*PAR	LIMIT TO B FOR HOLD ONES
04244	56	5400	251		BSK*PAR1	HAVE ALL ADDRESSES BEEN LOADED
04245	34	4247	252		JP*HLD1	NO GO TO LOAD S/R
04246	34	4255	253		JP*HICK	YES-CHECK LOAD
04247	76	4120	254	HLD1	RJP*WIRE	TEST FOR WIRE OR CONTROL
04250	12	5402	255		ENTAL*PAT1	ALL ONES
04251	50	7310	256		ENTSR*10	
04252	45	0000	257		STRALB*0	
04253	75	5414	260		STRSR*JVW	
04254	34	4244	261		JP*HD1+1	GO BACK AND CHECK LOAD
04255	32	5377	262	HICK	ENTB*PAR	LOWER LIMIT TO B

04256	56	5400	263	BSK*PAR1	HAVE ALL ADDRESSES BEEN CHECKED
04257	34	4261	264	JP*LOK+2	NO KEEP CHECKING
04260	34	4304	265	JP*HALT	YES-GO TO NEXT S/R
04261	76	4120	266	RJP*WIRE	TEST FOR WIRE OR CONTROL
04262	50	7310	267	ENTSR*10	
04263	13	0000	270	ENTALB*0	ENTER ADDRESS INTO AL
04264	75	5414	271	STRSR*JVW	
04265	02	5402	272	CMAL*PAT1	CHECK FOR CORRECT LOAD
04266	63	4270	273	JPNOT*LOK+2	INCORRECT GO TO EROR DISPLAY
04267	34	4256	274	JP*HICK+1	CORRECT CHECK NEXT ADDRESS
04270	10	5402	275	ENTAU*PAT1	CORRECT TO AU
04271	46	5406	276	STRAU*DIP	SAVE FOR TYPEOUT
04272	44	5407	277	STRAL*DIP+1	SAVE EROR FOR TYPEOUT
04273	50	5601	300	STOP*01	STOP KEY 0 FOR ERROR DISPLAY
04274	42	5410	301	STRB*HERE	SET FAILING ADDRESS IN AL
04275	12	5410	302	ENTAL*HERE	SAVE ADDRESS
04276	50	5601	303	STOP*01	DISPLAY ADDRESS IN AL
04277	50	5020	304	SKP*20	SET KEY 4 TO SUPPRESS TYPEOUTS
04300	76	4225	305	RJP*PROOF	NO GO TO ERROR TYPEOUT
04301	50	5001	306	SKP*01	SET SKIP KEY 0 TO REPEAT TEST
04302	34	4256	307	JP*HICK+1	CONTINUE TEST
04303	34	4243	310	JP*HD1	SET RECYCLE S/R
			311	HALT	
04304	32	5377	312	HALT	
04305	56	5400	313	PROG*CASEY*9JUNE64	
04306	34	4310	314	ENTB*PAR	
04307	34	4316	315	BSK*PAR1	
04310	76	4120	316	JP*ALT1	
04311	12	5403	317	JP*ATICK	
				ALT1	TEST FOR WIRE OR CONTROL
04312	50	7310	320	RJP*WIRE	
04313	45	0000	321	ENTSR*10	
04314	75	5414	322	ENTAL*PAL1	
04315	34	4305	323	ENTSR*10	
04316	32	5377	324	STRALB*0	
04317	56	5400	325	STRSR*JVW	
04320	34	4322	326	JP*HALT+1	
04321	34	4345	327	ENTB*PAR	
				ATICK	
				BSK*PAR1	
				JP*LOK+2	
				JP*HALT0	

04322	76	4120	330	RJP*WIRE
04323	50	7310	331	ENTSR*10
04324	13	0000	332	ENTALB*0
04325	75	5414	333	STRSR*JVW
04326	02	5403	334	CMAL*PAL1
04327	63	4331	335	JPNOT*LOK+2
04330	34	4317	336	JP*ATICK+1
04331	10	5403	337	ENTAU*PAL1
04332	46	5406	340	STRAU*DIP
04333	44	5407	341	STRAL*DIP+1
04334	50	5601	342	STOP*01
04335	42	5410	343	STRB*HERE
04336	12	5410	344	ENTAL*HERE
04337	50	5601	345	STOP*01
04340	50	5020	346	SKP*20
04341	76	4225	347	RJP*PROOF
04342	50	5001	350	SKP*01
04343	34	4317	351	JP*ATICK+1
04344	34	4304	352	JP*HALT
			353	HALTO PROG*CASEY*9JUNE64
04345	32	5377	354	HALTO ENTB*PAR
04346	56	5400	355	BSK*PAR1
04347	34	4351	356	JP*ALTO
04350	34	4357	357	JP*ATOCK
04351	76	4120	360	ALTO, RJP*WIRE
04352	12	5404	361	ENTAL*PAL0
04353	50	7310	362	ENTSR*10
04354	45	0000	363	STRALB*0
04355	75	5414	364	STRSR*JVW
04356	34	4346	365	JP*HALTO+1
04357	32	5377	366	ATOCK ENTB*PAR
04360	56	5400	367	BSK*PAR1
04361	34	4363	370	JP*LOK+2
04362	34	4406	371	JP*TWPO
04363	76	4120	372	RJP*WIRE
04364	50	7310	373	ENTSR*10

TEST FOR WIRE AND CONTROL

TEST FOR WIRE OR CONTROL

CHECK FOR WIRE AND CONTROL

04365	13	0000	374	ENTALB*0
04366	75	5414	375	STRSR*JVW
04367	02	5404	376	CMAL*PALO
04370	63	4372	377	JPNOT*LOK+2
04371	34	4360	400	JP*ATOCK+1
04372	10	5404	401	ENTAU*PALO
04373	46	5406	402	STRAU*DIP
04374	44	5407	403	STRAL*DIP+1
04375	50	5601	404	STOP*01
04376	42	5410	405	STRB*HERE
04377	12	5410	406	ENTAL*HERE
04400	50	5601	407	STOP*01
04401	50	5020	410	SKP*20
04402	76	4225	411	RJP*PROOF
04403	50	5001	412	SKP*01
04404	34	4360	413	JP*ATOCK+1
04405	34	4345	414	JP*HALTO
04406	32	5377	415	ENTB*PAR
04407	10	4564	416	ENTAU*AZEROS
04410	56	5400	417	BSK*PAR1
04411	34	4413	420	JP*LOK+2
04412	34	4463	421	JP*CHECK
04413	76	4120	422	RJP*WIRE
04414	42	4567	423	STRB*WORK+1
04415	36	0000	424	ENTBK*0
04416	12	4567	425	ENTAL*WORK+1
04417	52	4563	426	SLCL*TWP2
04420	03	4572	427	CMALB*TWPA
04421	61	4425	430	JPEQ*LOK+4
04422	56	4562	431	BSK*TWP1
04423	34	4420	432	JP*LOK-3
04424	34	4434	433	JP*TWP2
04425	42	4566	434	STRB*WURK
04426	12	4566	435	ENTAL*WORK
04427	50	4621	436	LSHAL*17D
04430	65	4433	437	JPALP*LOK+3

TWPG  
TWP1

04431	10	4564	440		ENTAU*AZEROS
04432	34	4434	441		JP*LOK+2
04433	10	4565	442		ENTAU*AONES
04434	32	4567	443	TWP2	ENTB*WORK+1
04435	50	7310	444		ENTSR*10
04436	47	0000	445		STRAUB*0
04437	47	0003	446		STRAUB*3
04440	47	0005	447		STRAUB*5
04441	47	0006	450		STRAUB*6
04442	75	5414	451		STRSR*JVW
04443	60	4446	452		JPAUZ*LOK+3
04444	10	4564	453		ENTAU*AZEROS
04445	34	4447	454		JP*LOK+2
04446	10	4565	455		ENTAU*AONES
04447	50	7310	456		ENTSR*10
04450	47	0001	457		STRAUB*1
04451	47	0002	460		STRAUB*2
04452	47	0004	461		STRAUB*4
04453	47	0007	462		STRAUB*7
04454	75	5414	463		STRSR*JVW
04455	37	0007	464		ENTBKB*7
04456	60	4461	465		JPAUZ*LOK+3
04457	10	4564	466		ENTAU*AZEROS
04460	34	4462	467		JP*LOK+2
04461	10	4565	470		ENTAU*AONES
04462	34	4410	471		JP*TWP1+1
04463	32	5377	472	CHECK	ENTB*PAR
04464	10	4564	473		ENTAU*AZEROS
04465	56	5400	474		BSK*PAR1
04466	34	4470	475		JP*LOK+2
04467	34	4560	476		JP*SWIT1
04470	76	4120	477		RJP*WIRE
04471	42	4567	500		STRB*WORK+1
04472	36	0000	501		.ENTRK*0
04473	12	4567	502		ENTAL*WORK+1
04474	52	4563	503		SLCL*TWP2

04475	03	4572	504		CMALB*TWPA
04476	61	4502	505		JPEQ*LOK+4
04477	56	4562	506		BSK*TWPK1
04500	34	4475	507		JP*LOK-3
04501	34	4511	510		JP*TWP4
04502	42	4566	511		STRB*WORK
04503	12	4566	512		ENTAL*WORK
04504	50	4621	513		LSHAL*17D
04505	65	4510	514		JPALP*LOK+3
04506	10	4564	515		ENTAU*AZEROS
04507	34	4511	516		JP*LOK+2
04510	10	4565	517		ENTAU*AONES
04511	46	4570	520	TWP4	STRAU*CORPAT
04512	12	4567	521		ENTAL*WORK+1
04513	52	4571	522		SLCL*K7
04514	61	4527	523		JPALZ*TWP4A
04515	71	7774	524		ADDALK*7774
04516	61	4527	525		JPALZ*TWP4A
04517	71	7775	526		ADDALK*7775
04520	61	4527	527		JPALZ*TWP4A
04521	71	7776	530		ADDALK*7776
04522	61	4527	531		JPALZ*TWP4A
04523	60	4526	532		JPAUZ*LOK+3
04524	10	4564	533		ENTAU*AZEROS
04525	34	4527	534		JP*LOK+2
04526	10	4565	535		ENTAU*AONES
04527	50	4722	536	TWP4A	LSHA*18D
04530	32	4567	537		ENTB*WORK+1
04531	50	7310	540		ENTSR*10
04532	03	0000	541		CMALB*0
04533	63	4537	542		JPNOT*TWP5
04534	75	5414	543		STRSR*JVW
04535	10	4570	544	TWP4B	ENTAU*CORPAT
04536	34	4465	545		JP*CHECK+2
04537	75	5414	546	TWP5	STRSR*JVW
04540	44	5406	547		STRAL*DIP

04541	50	7310	550		ENTSR*10
04542	11	0000	551		ENTAUB*0
04543	75	5414	552		STRSR*JVW
04544	46	5407	553		STRAU*DIP+1
04545	50	4722	554		LSHA*180
04546	50	5601	555		STOP*01
04547	42	5410	556		STRB*HERE
04550	42	5411	557		STRB*THERE
04551	12	5410	560		ENTAL*HERE
04552	50	5601	561		STOP*01
04553	50	5020	562		SKP*20
04554	76	4024	563		RJP*ERR0UT
04555	50	5001	564		SKP*1
04556	34	4535	565		JP*TWP4B
04557	34	4406	566		JP*TWPO
04560	76	5135	567	SWIT1	RJP*FLUSH1
04561	34	4617	570		JP*RWEX
04562	00	0025	571	TWPK1	25*
04563	00	7777	572	TWPK2	007777*
04564	00	0000	573	AZER0S	000000*
04565	77	7777	574	A0NES	777777*
04566	00	0000	575	WORK	000000*
04567	00	0000	576		000000*
04570	00	0000	577	CORPAT	000000*
04571	00	0007	600	K7	000007*
04572	00	0100	601	TWPA	000100*
04573	00	0200	602		000200*
04574	00	0300	603		000300*
04575	00	0500	604		000500*
04576	00	0600	605		000600*
04577	00	1700	606		001700*
04600	00	2400	607		002400*
04601	00	2500	610		002500*
04602	00	3000	611		003000*
04603	00	3300	612		003300*
04604	00	4200	613		004200*
04605	00	4400	614		004400*

04606	00	4500	615		004500*	
04607	00	5200	616		005200*	
04610	00	5300	617		005300*	
04611	00	6300	620		006300*	
04612	00	6500	621		006500*	
04613	00	6600	622		006600*	
04614	00	7000	623		007000*	
04615	00	7100	624		007100*	
04616	00	7700	625		007700*	
			626		PROG*MUELLER*29SEPT64	
04617	12	4646	627	RWEX	ENTAL*RWEX7	PRESET INCREMENT COUNT
04620	44	4645	630		STRAL*RWEX4	
04621	12	5377	631		ENTAL*PAR	SET UP LIMITS FOR
04622	44	4644	632		STRAL*RWEX3	RECYCLING BANK
04623	12	4642	633	RWEX5	ENTAL*RWEX1	PRESTORE INST IN RW
04624	44	4656	634		STRAL*RW21	
04625	12	4643	635		ENTAL*RWEX2	PRESTORE INST IN RW
04626	44	4703	636		STRAL*RW22	
04627	57	4645	637		ISK*RWEX4	THROUGH
04630	34	4632	640		JP*RWEX6	NO
04631	34	4763	641		JP*LAST	YES
04632	12	4644	642	RWEX6	ENTAL*RWEX3	SET JP LOWER LIMIT OF TEST SEGMENT
04633	71	0001	643		ADDALK*01	
04634	44	4746	644		STRAL*RW14	
04635	71	0777	645		ADDALK*0777	SET UP UPPER LIMIT OF SEGMENT
04636	44	4744	646		STRAL*RW12	
04637	44	4644	647		STRAL*RWEX3	SAVE FOR NEXT INCREMENT
04640	76	4647	650		RJP*RW	
04641	34	4623	651		JP*RWEX5	
04642	44	7000	652	RWEX1	STRAL*IMAGE	
04643	02	7000	653	RWEX2	CMAL*IMAGE	
04644	00	0000	654	RWEX3	0*0	
04645	00	0000	655	RWEX4	0*0	
04646	00	0006	656	RWEX7	00*0006	
			657	RW	PROG*CASEY*29JUNE64	
04647	00	0000	660	RW	0*0	

04650	32 4746	661	RW1	ENTB*RW14
04651	76 4120	662	RW2	RJP*WIRES
04652	76 4750	663		RJP*RAN
04653	50 7310	664		ENTSR*10
04654	45 0000	665		STRALB*0
04655	75 5414	666		STRSR*JVW
04656	44 7000	667	RW21	STRAL*IMAGE
04657	12 4656	670		ENTAL*RW21
04660	71 0001	671		ADDALK*1
04661	44 4656	672		STRAL*RW21
04662	56 4744	673		BSK*RW12
04663	34 4651	674		JP*RW2
04664	32 4746	675		ENTB*RW14
04665	12 4742	676	RW3	ENTAL*RW10
04666	44 4743	677		STRAL*RW11
04667	50 7310	700	RW4	ENTSR*10
04670	13 0000	701		ENTALB*0
04671	75 5414	702		STRSR*JVW
04672	57 4743	703		ISK*RW11
04673	34 4667	704		JP*RW4
04674	56 4744	705		BSK*RW12
04675	34 4665	706		JP*RW3
04676	32 4746	707		ENTB*RW14
04677	76 4120	710		RJP*WIRES
04700	50 7310	711	RW6	ENTSR*10
04701	13 0000	712		ENTALB*0
04702	75 5414	713		STRSR*JVW
04703	02 7000	714	RW22	CMAL*IMAGE
04704	63 4713	715		JPNQT*RW20
04705	12 4703	716	RW07	ENTAL*RW22
04706	71 0001	717		ADDALK*1
04707	44 4703	720		STRAL*RW22
04710	56 4744	721	RW7	BSK*RW12
04711	34 4677	722		JP*RW6-1
04712	55 4647	723		IJP*RW
04713	12 4703	724	RW20	ENTAL*RW22

LOWER LIMIT TO B

TEST FOR CONTROL AND WIRED MEMORY  
GENERATE RANDOM NUMBER

STORE PATTERN

STORE IMAGE  
ADVANCE IMAGE ADDRESS

NO  
YES  
RESTORE INDEX

READ WORD 40 TIMES

PATTERN COMPLETE

NO  
YES-VERIFY  
TEST FOR CONTROL AND WIRED MEMORY

IS WORD CORRECT

NO  
ADVANCE COMPARISON ADDRESS

YES-PATTERN COMPLETED

YES EXIT

04714	74	4715	725		STRADR*RW23	
04715	10	0000	726	RW23	ENTAU*0	ERROR CORRECT IN AU
04716	46	5406	727		STRAU*DIP	SAVE FOR TYPEOUT
04717	50	7310	730		ENTSR*10	
04720	13	0000	731		ENTALB*0	INCORRECT IN AL
04721	75	5414	732		STRSR*JVW	
04722	44	5407	733		STRAL*DIP+1	SAVE FOR TYPEOUT
04723	50	5601	734		STOP*01	SET STOP 0 FOR ERROR DISPLAY
04724	42	4745	735		STRB*RW13	FAILING ADDRESS TO AL
04725	12	4745	736		ENTAL*RW13	FOR DISPLAY
04726	44	5410	737		STRAL*HERE	SAVE FOR TYPEOUT
04727	44	5411	740		STRAL*THERE	ONE ADDRESS
04730	50	5601	741		STOP*01	SET STOP 0 TO DISPLAY FAILING ADD
04731	50	5020	742		SKP*20	SET SKIP 4 TO SUPPRESS TYPEOUTS
04732	76	4024	743		RJP*ERR0UT	NOT SET TYPEOUT
04733	50	5001	744		SKP*01	SET SKIP 0 TO REPEAT S/R
04734	34	4705	745		JP*RW07	NOT SET CONTINUE
04735	12	4642	746		ENTAL*RWEX1	RESET IMAGE STORAGE
04736	44	4656	747		STRAL*RW21	
04737	12	4643	750		ENTAL*RWEX2	
04740	44	4703	751		STRAL*RW22	
04741	34	4650	752		JP*RW1	
04742	00	0050	753	RW10	00*0050	
04743	00	0050	754	RW11	0*50	
04744	00	0777	755	RW12	0*777	
04745	00	0000	756	RW13	0*0	
04746	00	0000	757	RW14	0*0	
04747	00	0200	760	RW15	0*200	
			761	RAN	PROG*CASEY*29JUNE64	
04750	34	0000	762	RAN	JP*0	RANDOM NUMBER GENERATOR
04751	12	4761	763	RAN1	ENTAL*RAN2	
04752	24	4761	764		MULAL*RAN2	
04753	26	4762	765		DIVA*RAN3	
04754	62	4757	766		JPAUNZ*RAN4	
04755	44	4761	767		STRAL*RAN2	
04756	55	4750	770		IJP*RAN	STORE PATTERN

04757	46	4761	771	RAN4	STRAU*RAN2	
04760	55	4750	772		IJP*RAN	
04761	00	0703	773	RAN2	00*0703	
04762	37	7775	774	RAN3	37*7775	
			775		REMARK*ADDRESSING STRUCTURE TEST	
04763	12	5317	776	LAST	ENTAL*BLMN	BANK NUM WHERE MEMORY ENDS
04764	50	4614	777		LSHAL*12D	
04765	14	5126	1000		ADDAL*LMSK	ACTUAL END OF MEMORY ADDR
04766	44	5132	1001		STRAL*LTEMPM	SAVE FOR LATER
04767	44	5125	1002		STRAL*LEND	SET END CHECK ADDR
04770	12	5321	1003		ENTAL*BANK	BANK NUM PROG IS IN
04771	50	4614	1004		LSHAL*12D	REPOSITION AND
04772	44	5127	1005		STRAL*LTEMP	SAVE
04773	71	1447	1006		ADDALK*INT2-1	ACTUAL BEG-OF-PROG(-1)ADDR
04774	44	5131	1007		STRAL*LTEMP1	SAVE FOR LATER
04775	12	5127	1010		ENTAL*LTEMP	
04776	14	5126	1011		ADDAL*LMSK	ACTUAL END-OF-PROG BANK ADDR
04777	44	5130	1012		STRAL*LTEMPF	SAVE FOR LATER
05000	32	5130	1013		ENTB*LTEMPF	INIT B FOR STORING
05001	76	5017	1014		RJP*LASTR	STORE ADDR INTO CELLS BEYOND PROG
05002	12	5131	1015		ENTAL*LTEMP1	
05003	44	5125	1016		STRAL*LEND	RESET END CHECK ADDR
05004	36	0700	1017		ENTBK*0700	RESET B FOR STORING
05005	76	5017	1020		RJP*LASTR	STORE ADDR INTO CELLS BEFORE PROG
05006	12	5132	1021	LASTA	ENTAL*LTEMPM	
05007	44	5125	1022		STRAL*LEND	RESET END CHECK ADDR
05010	32	5130	1023		ENTB*LTEMPF	RESET B FOR CHECKING
05011	76	5030	1024		RJP*LACHK	CHECK CELLS AFTER PROGRAM
05012	12	5131	1025		ENTAL*LTEMP1	
05013	44	5125	1026		STRAL*LEND	RESET END CHECK ADDR
05014	36	0700	1027		ENTBK*0700	RESET B FOR CHECKING
05015	76	5030	1030		RJP*LACHK	CHECK CELLS BEFORE PROGRAM
05016	34	5133	1031		JP*FLUSH	THROUGH
05017	00	0000	1032	LASTR	0*0	
05020	42	5127	1033		STRB*LTEMP	
05021	12	5127	1034		ENTAL*LTEMP	ADDR TO BE STORED
05022	50	7310	1035		ENTSR*010	

05023	45	0000	1036
05024	75	5127	1037
05025	56	5125	1040
05026	34	5020	1041
05027	55	5017	1042
05030	00	0000	1043
05031	50	7310	1044
05032	13	0000	1045
05033	75	5127	1046
05034	42	5127	1047
05035	02	5127	1050
05036	61	5117	1051
05037	10	5127	1052
05040	46	5123	1053
05041	44	5124	1054
05042	50	5601	1055
05043	12	5127	1056
05044	44	5122	1057
05045	50	5601	1060
05046	50	5020	1061
05047	34	5051	1062
05050	34	5114	1063
05051	44	4023	1064
05052	30	5053	1065
05053	00	5416	
05054	76	4562	
05055	62	2062	
05056	76	4144	
05057	44	6245	
05060	63	6335	
05061	77	7777	
05062	30	5063	1066
05063	00	5652	
05064	60	5122	
05065	00	0000	
05066	30	5067	1067

LACHK

STRALB\*0000  
 STRSR\*LTEMP  
 BSK\*LEND  
 JP\*LASTR+1  
 IJP\*LASTR  
 0\*0  
 ENTSR\*010  
 ENTALB\*0000  
 STRSR\*LTEMP  
 STRB\*LTEMP  
 CMAL\*LTEMP  
 JPEQ\*LACHKC  
 ENTAU\*LTEMP  
 STRAU\*LCORR  
 STRAL\*LICORR  
 STOP\*01  
 ENTAL\*LTEMP  
 STRAL\*LADD  
 STOP\*01  
 SKP\*020  
 JP\*LOK+2  
 JP\*LACHKB  
 STRAL\*BAER  
 TYPT\*\$CR\$ERROR\$CR\$ADDRESS=  
 TYPCLADD  
 TYPT\* CORRECT=

STORE OWN ADDR IN CELL

ENUF STORES DONE YET  
 NO  
 YES-EXIT

CHECK CELL WITH ADDRESS  
 CONTENTS OF CELL TO AL

CONTENTS AGREE WITH ADDRESS  
 YES  
 NO-CORRECT VALUE TO AU

SAVE AU AND AL FOR TYPEOUT  
 STOP TO DISPLAY IF KEY 0  
 ADDRESS TO AL  
 SAVE FOR TYPEOUT  
 STOP TO DISPLAY IF KEY 0  
 SKIP 4 SET  
 NO  
 YES-SUPPRESS TYPEOUT

SET ERROR FLAG WITH ADDR(NEVER 0)

05067 00 5416  
 05070 00 0000  
 05071 43 2062  
 05072 62 4543  
 05073 64 3577  
 05074 30 5075  
 05075 00 5652  
 05076 60 5123

1070

TYPC\*LCORR

05077 00 0000  
 05100 30 5101  
 05101 00 5416  
 05102 00 0000  
 05103 51 5643  
 05104 20 6262  
 05105 45 4364  
 05106 35 7777

1071

TYPT\* INCORRECT=

05107 30 5110  
 05110 00 5652  
 05111 60 5124  
 05112 00 0000  
 05113 50 5604  
 05114 50 5001  
 05115 34 5117  
 05116 34 4763

1072

TYPC\*LICORR

05117 56 5125  
 05120 34 5031  
 05121 55 5030  
 05122 00 0000  
 05123 00 0000  
 05124 00 0000  
 05125 00 0000  
 05126 00 7777

1077

LACHKC

BK\*LEND

ENUF CHECKS DONE YET

05127 00 0000  
 05130 00 0000  
 05131 00 0000  
 05132 00 0000

1107

LTEMP

000000\*

TEMP STORE

1110

LTEMPF

000000\*

HOLDS ACTUAL END-OF-PROG(+1)ADDR

1111

LTEMPI

000000\*

HOLDS ACTUAL END-OF-MEM ADDR

1112

LTEMPM

000000\*

HOLDS ACTUAL BEG-OF-PROG(-1)ADDR

STOP FF TYPEOUT IF KEY 2  
 SKIP 0 SET  
 NO  
 YES-RECYCLE TEST

NO CHECK FOR CORRECT VMD MIX'D MEMORS!  
 YES-EXIT  
 HOLDS ADDRESS FOR TYPEOUT  
 HOLDS CORRECT DATA FOR TYPEOUT  
 HOLDS INCORRECT DATA FOR TYPEOUT  
 HOLDS TEMP END ADDR FOR CHECK  
 MASK

05133	76	5135	1113	FLUSH	PROG*CASEY*9JUNE64
			1114	FLUSH	RJP*FLUSH1
05134	34	5323	1115		JP*RELO
05135	00	0000	1116	FLUSH1	PROG*MUELLER*24 SEPT 64
05136	32	5377	1117	FLUSH1	0*0
05137	76	4120	1120		ENTB*PAR
05140	56	5400	1121		RJP*WIRE
05141	34	5143	1122		BSK*PAR1
05142	34	5150	1123		JP*LOK+2
			1124		JP*LOK+6
05143	12	5402	1125		ENTAL*PAT1
05144	50	7310	1126		ENTSR*10
05145	45	0000	1127		STRALB*0
05146	75	5414	1130		STRSR*JVW
05147	34	5137	1131		JP*FLUSH1+2
05150	32	5377	1132		ENTB*PAR
05151	76	4120	1133		RJP*WIRE
05152	56	5400	1134		BSK*PAR1
05153	34	5155	1135		JP*LOK+2
05154	55	5135	1136		IJP*FLUSH1
05155	50	7310	1137		ENTSR*10
05156	41	0000	1140		CLB*0
05157	75	5414	1141		STRSR*JVW
05160	34	5151	1142		JP*LOK-7
			1143	RSET	PROG*MUELLER*20 OCT 64
05161	12	5321	1144	RSET	ENTAL*BANK
05162	71	0001	1145		ADDALK*0001
05163	02	5317	1146		CMAL*BLMN
05164	63	5227	1147		JPNOT*RSET6
05165	44	5321	1150		STRAL*BANK
05166	50	4614	1151		LSHAL*14
05167	14	5225	1152		ADDAL*RSET5
05170	44	5222	1153		STRAL*RSET2
05171	40	5322	1154		CL*BANK1
05172	70	7776	1155		ENTALK*7776
05173	44	5377	1156		STRAL*PAR

FLUSH MEMORY

SR ENTRANCE

CHECK FOR CONTROL AND WIRED MEMORY

CHECK FOR CONTROL AND WIRED MEMORY

REFERENCE BANK NUMBER

SETBANK TO BANK1  
DID PRG JUST TEST LAST BANK  
NO

BANK1 EQUAL TO NEXT TESTED BANK

SET LOWER LIMIT OF BANK ZERO



05240	12	5322	1223
05241	50	4614	1224
05242	71	7776	1225
05243	44	4644	1226
05244	44	5377	1227
05245	12	5377	1230
05246	14	5226	1231
05247	44	5400	1232
05250	12	5413	1233
05251	44	4121	1234
05252	70	0077	1235
05253	50	4722	1236
05254	12	5261	1237
05255	04	5320	1240
05256	44	5261	1241
05257	36	0700	1242
05260	13	0000	1243
05261	50	7300	1244
05262	45	0000	1245
05263	75	5320	1246
05264	56	5405	1247
05265	34	5260	1250
05266	55	5267	1251
05267	00	3763	1252
05270	71	0001	1253
05271	44	5321	1254
05272	71	0001	1255
05273	44	5322	1256
05274	12	5320	1257
05275	71	0001	1260
05276	51	5224	1261
05277	44	5320	1262
05300	12	5322	1263
05301	50	4614	1264
05302	71	7776	1265
05303	44	4644	1266
05304	44	5377	1267

ENTAL\*BANK1  
 LSHAL\*14  
 ADDALK\*7776  
 STRAL\*RWEX3  
 STRAL\*PAR  
 ENTAL\*PAR  
 ADDAL\*RSET12  
 STRAL\*PAR1  
 ENTAL\*CHEET1  
 STRAL\*WIRE+1  
 ENTALK\*0077  
 LSHA\*22  
 ENTAL\*RSET7+1  
 SLSU\*SRBANK  
 STRAL\*RSET7+1  
 ENTBK\*7000  
 ENTALB\*0  
 ENTSR\*0  
 STRALB\*0  
 STRSR\*SRBANK  
 BSK\*TOTAL  
 JP\*RSET7  
 IJP\*RSET10  
 0\*HEAD1  
 ADDALK\*0001  
 STRAL\*BANK  
 ADDALK\*0001  
 STRAL\*BANK1  
 ENTAL\*SRBANK  
 ADDALK\*0001  
 SLSET\*RSET4  
 STRAL\*SRBANK  
 ENTAL\*BANK1  
 LSHAL\*14  
 ADDALK\*7776  
 STRAL\*RWEX3  
 STRAL\*PAR

RSET7

RSET10  
RSET11

SET UP LOWER TEST LIMIT  
 SET UP LOWER LIMIT FOR RWEX TEST  
 SET UP UPPER TEST LIMIT

INITIALIZE WIRE ROUTINE

INIT B FOR TRANSFER

SET UP BANK EQUAL TO NEXT PROG AREA  
 SET BANK1 EQUAL TO NEXT TEST AREA  
 SET SRBANK FOR TRANSFER TO NEXT BANK

SET UP LOWER TEST LIMIT  
 SET UP LOWER LIMIT FOR RWEX

SHEET 857 REVISION 1  
 53-10163

05305 12 5377 1270  
 05306 14 5226 1271  
 05307 44 5400 1272  
 05310 12 5413 1273  
 05311 44 4121 1274  
 05312 12 5321 1275  
 05313 50 4614 1276  
  
 05314 14 5225 1277  
 05315 44 5222 1300  
 05316 34 5205 1301  
 05317 00 0000 1302  
 05320 00 0000 1303  
 05321 00 0000 1304  
 05322 00 0001 1305  
 05323 50 5602 1306  
  
 05324 50 5002 1307  
 05325 34 5327 1310  
 05326 34 4165 1311  
 05327 10 5376 1312  
 05330 12 5322 1313  
 05331 50 4614 1314  
 05332 44 5375 1315  
 05333 04 5466 1316  
  
 05334 44 5466 1317  
 05335 04 5467 1320  
 05336 44 5467 1321  
 05337 04 5475 1322  
 05340 44 5475 1323  
 05341 04 5476 1324  
 05342 44 5476 1325  
 05343 04 5767 1326  
  
 05344 44 5767 1327  
 05345 04 5770 1330  
 05346 44 5770 1331  
 05347 04 6000 1332  
 05350 44 6000 1333

ENTAL\*PAR  
 ADDAL\*RSET12  
 STRAL\*PAR1  
 ENTAL\*CHEET1  
 STRAL\*WIRE+1  
 ENTAL\*BANK  
 LSHAL\*14  
  
 ADDAL\*RSETS  
 STRAL\*RSET2  
 JP\*RSET1-6  
 0\*0  
 0\*0  
 0\*0  
 00\*0001  
 STOP\*02  
  
 SKP\*02  
 JP\*LOK+2  
 JP\*TEST  
 ENTAU\*RELO2  
 ENTAL\*BANK1  
 LSHAL\*14  
 STRAL\*RELO1  
 SLSU\*T\$1+1  
  
 STRAL\*T\$1+1  
 SLSU\*T\$1+2  
 STRAL\*T\$1+2  
 SLSU\*T\$2+1  
 STRAL\*T\$2+1  
 SLSU\*T\$2+2  
 STRAL\*T\$2+2  
 SLSU\*T\$1+1  
  
 STRAL\*T\$51+1  
 SLSU\*T\$51+2  
 STRAL\*T\$51+2  
 SLSU\*T\$52+1  
 STRAL\*T\$52+1

BLMN  
 SRBANK  
 BANK  
 BANK1  
 RELO

SET UP UPPER TEST LIMIT

INITIALIZE WIRE ROUTINE

SET UP IJP

TRANSFER  
 UPPER BANK NUMBER LIMIT STORAGE  
 STORAGE FOR SPECIAL REGISTER  
 STORAGE FOR LOCATION OF RUNNING PROGRAM  
 STORAGE FOR LOCATION OF TESTED BANK  
 SET STOP KEY1 TO STOP AT END OF THIS PORT  
 SET SKIP KEY 1 TO RETEST BANK

RETEST THIS BANK  
 SET UP BUFFER LIMITS  
 FOR PROGRAM AFTER TRANSFER

05351	04	6001	1334		SLSU*TL2+2
05352	44	6001	1335		STRAL*TL2+2
05353	04	4063	1336		SLSU*TL1+3
05354	44	4063	1337		STRAL*TL1+3
05355	04	4072	1340		SLSU*TL1+12
05356	44	4072	1341		STRAL*TL1+12
05357	04	4107	1342		SLSU*TL2+2
05360	44	4107	1343		STRAL*TL2+2
05361	04	4113	1344		SLSU*TL2+6
05362	44	4113	1345		STRAL*TL2+6
05363	04	3754	1346		SLSU*HEAD+1
05364	44	3754	1347		STRAL*HEAD+1
05365	44	3777	1350		STRAL*HEAD2+1
05366	44	4013	1351		STRAL*RECYL+1
05367	44	4030	1352		STRAL*ERR1+1
05370	44	4035	1353		STRAL*ERR2+1
05371	04	4061	1354		SLSU*TL1+1
05372	44	4061	1355		STRAL*TL1+1
05373	44	4106	1356		STRAL*TL2+1
05374	34	5161	1357		JP*RSET
05375	00	0000	1360	REL01	00*0000
05376	70	7777	1361	REL02	70*7777
05377	00	3434	1362	PAR	0*3434
05400	01	7777	1363	PAR1	01*7777
05401	00	0000	1364	PAT	0*0
05402	77	7777	1365	PAT1	77*7777
05403	52	5252	1366	PAL1	52*5252
05404	25	2525	1367	PAL0	25*2525
05405	00	7777	1370	TOTAL	00*7777
05406	00	0000	1371	DIP	0*0
05407	00	0000	1372		0*0
05410	00	0000	1373	HERE	0*0
05411	00	0000	1374	THERE	0*0
05412	42	4156	1375	CHEET	STRB*WARE1
05413	55	4120	1376	CHEET1	IJP*WIKE
05414	00	0000	1377	JVW	00*0000

TRANSFER PROG TO NEXT BANK  
 STORAGE  
 MASK

INSTRUCTIONS USED  
 IN WIRE ROUTINE

SHEET 359 REVISION  
 88-10163

05415	00	0000	1400	ALPARM	0*
			1401		REMARK*TYPT FOR 1232 OR 1532
05416	00	0000	1402	TYPT	0*
05417	75	5460	1403		STRSR*T\$PT20
05420	46	5506	1404		STRAU*T\$PT3
05421	44	5507	1405		STRAL*T\$PT4
05422	42	5510	1406		STRB*T\$PT5
05423	70	0003	1407		ENTALK*3
05424	76	5471	1410		RJP*T\$PT12
05425	32	5416	1411	T\$PT1	ENTB*TYPT
05426	37	0001	1412		ENTBKB*1
05427	42	5416	1413		STRB*TYPT
05430	50	7310	1414		ENTSR*10
05431	11	0000	1415		ENTAUB*0
05432	50	7300	1416		ENTSR*0
05433	36	0002	1417		ENTBK*2
05434	70	0000	1420	T\$PT2	ENTALK*0
05435	50	4706	1421		LSHA*6
05436	02	5511	1422		CMAL*T\$PT6
05437	61	5451	1423		JPEQ*T\$PT22
05440	71	0040	1424	RNOOP	ADDALK*40
05441	02	5547	1425		CMAL*M136
05442	63	5446	1426		JPNOT*LOK+4
05443	70	0015	1427		ENTALK*15
05444	76	5462	1430		RJP*T\$PT7
05445	70	0012	1431		ENTALK*12
05446	76	5462	1432		RJP*T\$PT7
05447	73	5434	1433	T\$PT21	BJP*T\$PT2
05450	34	5425	1434		JP*T\$PT1
05451	70	0001	1435	T\$PT22	ENTALK*1
05452	76	5471	1436		RJP*T\$PT12
05453	14	5416	1437		ADDAL*TYPT
05454	44	5416	1440		STRAL*TYPT
05455	10	5506	1441		ENTAU*T\$PT3
05456	12	5507	1442		ENTAL*T\$PT4
05457	32	5510	1443		ENTB*T\$PT5

MODIFIED TO RJP\*CONVER IF 1232 SELECTED F  
 CR-LF?  
 NO  
 CR  
 LF

SHEET 860 REVISION  
 88-10163

05460	50	7300	1444	T\$PT20	ENTSR*0
05461	55	5416	1445		IJP*TYPT
05462	00	0000	1446	T\$PT7	0*
05463	76	5500	1447		RJP*T\$PT13
05464	44	5513	1450		STRAL*T\$PT11
05465	50	1200	1451	T\$1	BUFOUT*CHAN*AD*1*T\$PT11
05466	00	5513			
05467	00	5513			
05470	55	5462	1452		IJP*T\$PT7
05471	00	0000	1453	T\$PT12	0*
05472	76	5500	1454		RJP*T\$PT13
05473	44	5513	1455		STRAL*T\$PT11
05474	50	1300	1456	T\$2	EXFCT*CHAN*AD*1*T\$PT11
05475	00	5513			
05476	00	5513			
05477	55	5471	1457		IJP*T\$PT12
05500	00	0000	1460	T\$PT13	0*
05501	50	2300	1461	T\$3	SKPFIN*CHAN
05502	34	5501	1462		JP*LOK-1
05503	50	2200	1463	T\$4	SKPOIN*CHAN
05504	34	5503	1464		JP*LOK-1
05505	55	5500	1465		IJP*T\$PT13
05506	00	0000	1466	T\$PT3	0*
05507	00	0000	1467	T\$PT4	0*
05510	00	0000	1470	T\$PT5	0*
05511	00	0077	1471	T\$PT6	77*
05512	00	0136	1472	T\$PT61	0*136
05513	00	0000	1473	T\$PT11	0*
05514	00	0000	1474	CONVER	0*
05515	42	5544	1475		STRB*COUNTR
05516	36	0000	1476		ENTBK*U
05517	71	0040	1477		ADDALK*40
05520	02	5547	1500		CMAL*M136
05521	63	5526	1501		JPNOT*LOK+5
05522	70	0004	1502		ENTALK*4
05523	76	5462	1503		RJP*T\$PT7
05524	70	0003	1504		ENTALK*3

ADD ASCII BIAS  
 CR-LF  
 NO  
 CR  
 LF

05525	34	5542	1505		JP*CONV3
05526	44	5550	1506		STRAL*MDUM
05527	13	5551	1507	CONV1	ENTALB*CONST
05530	52	5545	1510		SLCL*CT177
05531	50	4211	1511		RSHAL*90
05532	02	5550	1512		CMAL*MDUM
05533	61	5540	1513		JPEG*CONV2
05534	56	5546	1514		BSK#M76
05535	34	5527	1515		JP*CONV1
05536	12	5550	1516		ENTAL*MDUM
05537	50	5640	1517		STOP*40
05540	13	5551	1520	CONV2	ENTALB*CONST
05541	52	5511	1521		SLCL*TSPT6
05542	32	5544	1522	CONV3	ENTB*COUNTR
05543	55	5514	1523		IJP*CONVER
05544	00	0000	1524	COUNTR	0*
05545	17	7000	1525	CT177	177000*
05546	00	0100	1526	M76	000100*
05547	00	0136	1527	M136	000136*
05550	00	0000	1530	MDUM	0*
05551	10	1006	1531	CONST	101006*
05552	10	2007	1532		102007*
05553	10	3010	1533		103010*
05554	10	4011	1534		104011*
05555	10	5012	1535		105012*
05556	10	6013	1536		106013*
05557	10	7014	1537		107014*
05560	11	0015	1540		110015*
05561	11	1016	1541		111016*
05562	11	2017	1542		112017*
05563	11	3020	1543		113020*
05564	11	4021	1544		114021*
05565	11	5022	1545		115022*
05566	11	6023	1546		116023*
05567	11	7024	1547		117024*
05570	12	0025	1550		120025*

05571	12 1026	1551	121026*
05572	12 2027	1552	122027*
05573	12 3030	1553	123030*
05574	12 4031	1554	124031*
05575	12 5032	1555	125032*
05576	12 6033	1556	126033*
05577	12 7034	1557	127034*
05600	13 0035	1560	130035*
05601	13 1036	1561	131036*
05602	13 2037	1562	132037*
05603	01 5004	1563	015004*
05604	01 2003	1564	012003*
05605	13 7076	1565	137076*
05606	05 2050	1566	052050*
05607	04 7072	1567	047072*
05610	05 6075	1570	056075*
05611	04 0005	1571	040005*
05612	17 7077	1572	177077*
05613	06 0060	1573	060060*
05614	06 1061	1574	061061*
05615	06 2062	1575	062062*
05616	06 3063	1576	063063*
05617	06 4064	1577	064064*
05620	06 5065	1600	065065*
05621	06 6066	1601	066066*
05622	06 7067	1602	067067*
05623	07 0070	1603	070070*
05624	07 1071	1604	071071*
05625	05 0051	1605	050051*
05626	05 1040	1606	051040*
05627	05 3042	1607	053042*
05630	05 4056	1610	054056*
05631	05 5041	1611	055041*
05632	05 7074	1612	057074*
05633	07 2053	1613	072053*
05634	07 3073	1614	073073*

05635 07 4043 1615  
 05636 07 5044 1616  
 05637 07 6045 1617  
 05640 07 7054 1620  
 05641 10 0057 1621  
 05642 04 4047 1622  
 05643 05 2050 1623  
 05644 13 5046 1624  
 05645 13 4001 1625  
 05646 04 5002 1626  
 05647 04 2052 1627  
 05650 04 1055 1630  
 05651 13 6050 1631  
 1632  
 05652 00 0000 1633  
 05653 75 5743 1634  
 05654 46 5745 1635  
 05655 44 5746 1636  
 05656 42 5747 1637  
 05657 70 0003 1640  
 05660 76 5774 1641  
 05661 32 5652 1642  
 05662 37 0001 1643  
 05663 42 5652 1644  
 05664 50 7310 1645  
 05665 11 0000 1646  
 05666 50 7300 1647  
 05667 70 0000 1650  
 05670 50 4703 1651  
 05671 61 5735 1652  
 05672 44 5750 1653  
 05673 32 5750 1654  
 05674 35 5674 1655  
 05675 34 5712 1656  
 05676 34 5724 1657  
 05677 34 5730 1660

074043\*  
 075044\*  
 076045\*  
 077054\*  
 100057\*  
 044047\*  
 052050\*  
 135046\*  
 134001\*  
 045002\*  
 042052\*  
 041055\*  
 136050\*  
 REMARK\*TYPC FOR 1232 OR 1532  
 0\*  
 STRSR\*TSPC20  
 STRAU\*TSPC12  
 STRAL\*TSPC13  
 STRB\*TSPC14  
 ENTALK\*3  
 RJP\*TSR024  
 T\$PC1 ENTB\*TYPC  
 ENTBKB\*1  
 STRB\*TYPC0  
 ENTSR\*10  
 ENTAUB\*0  
 ENTSR\*0  
 ENTALK\*0  
 LSHA\*3T\*TPC0\$  
 JPALZ\*TSPC11  
 STRAL\*TSPC15  
 ENTB\*TSPC15  
 T\$PC2 JPB\*TSPC2  
 JP\*TSPC3  
 JP\*TSPC4  
 JP\*TSPC6

ENABLE KEYBOARD  
 ADVANCE EXIT ADDR

NEXT CODE WORD TO AU  
 CLR SR ACTIVE

CODE DIGIT TO AL  
 ALL DONE IF ZERO  
 TEMP STORE

KYBD COMMAND

A  
 A UPPER

SHEET 864 REVISION 1  
 35-10163

05700	34	5726	1661
05701	34	5732	1662
05702	70	0000	1663
05703	50	4717	1664
05704	44	5750	1665
05705	32	5750	1666
05706	50	7310	1667
05707	11	0000	1670
05710	50	7300	1671
05711	34	5733	1672
05712	70	0000	1673
05713	50	4717	1674
05714	61	5722	1675
05715	70	0015	1676
05716	76	5763	1677
05717	70	0012	1700
05720	76	5763	1701
05721	34	5661	1702
05722	70	0040	1703
05723	34	5720	1704
05724	10	5745	1705
05725	76	5751	1706
05726	10	5746	1707
05727	34	5733	1710
05730	10	5745	1711
05731	34	5733	1712
05732	10	5747	1713
05733	76	5751	1714
05734	34	5661	1715
05735	70	0001	1716
05736	14	5652	1717
05737	44	5652	1720
05740	10	5745	1721
05741	12	5746	1722
05742	32	5747	1723
05743	50	7300	1724

	JP*T\$PC5
	JP*T\$PC7
	ENTALK*0
	LSHA*17
	STRAL*T\$PC15
	ENTB*T\$PC15
	ENTSR*10
	ENTAUB*0
	ENTSR*0
T\$PC3	JP*T\$PC10
	ENTALK*0
	LSHA*15D
	RUPALZ*T\$PCSP
T\$\$\$1	ENTALK*15
	RJP*T\$PC21
T\$\$\$2	ENTALK*12
	RJP*T\$PC21
	JP*T\$PC1
T\$PCSP	ENTALK*40
	JP*LOK-3
T\$PC4	ENTAU*T\$PC12
	RJP*T\$PC16
T\$PC5	ENTAU*T\$PC13
	JP*T\$PC10
T\$PC6	ENTAU*T\$PC12
	JP*T\$PC10
T\$PC7	ENTAU*T\$PC14
T\$PC10	RJP*T\$PC16
	JP*T\$PC1
T\$PC11	ENTALK*1
	ADDAL*TYPC
	STRAL*TYPC
	ENTAU*T\$PC12
	ENTAL*T\$PC13
	ENTB*T\$PC14
T\$PC20	ENTSR*U

A LOWER

B

Y

CONTENTS OF Y

CONV 6 OCT DIGITS TO KYBD CD-TYPE

SHEET 365 REVISION 2  
 83-10163



06011	55 6004	1766
	00 0000	1767
	00 0000	1770
	00 0000	1771
06012	00 0000	1772
06013	12 6415	1773
06014	50 4203	1774
06015	52 6103	1775
06016	10 8104	1776
06017	04 5465	1777
06020	44 5465	2000
06021	04 5474	2001
06022	44 5474	2002
06023	04 5501	2003
06024	44 5501	2004
06025	04 5503	2005
06026	44 5503	2006
06027	04 5766	2007
06030	44 5766	2010
06031	04 5777	2011
06032	44 5777	2012
06033	04 6005	2013
06034	44 6005	2014
06035	04 6007	2015
06036	44 6007	2016
06037	12 6415	2017
06040	50 4612	2020
06041	52 6105	2021
06042	74 6043	2022
06043	36 0000	2023
06044	13 6055	2024
06045	04 5440	2025
06046	13 6057	2026
06047	44 5715	2027
06050	13 6061	2030
06051	44 5717	2031

TYPE

IJP\*TSRC25  
 REMARK\*INSERT SELECTED I/O CHANNEL NUMBER  
 REMARK\*IN ALL I/O COMMANDS.  
 REMARK\*MODIFY FOR 1232/1532 INTERCHANGE

0\*  
 ENTAL\*ALPARM  
 RSHAL\*3  
 SLCL\*K1  
 ENTAU\*K2  
 SLSU\*TS1  
 STRAL\*TS1  
 SLSU\*TS2  
 STRAL\*TS2  
 SLSU\*TS3  
 STRAL\*TS3  
 SLSU\*TS4  
 STRAL\*TS4  
 SLSU\*TS\$1  
 STRAL\*TS\$1  
 SLSU\*TS\$2  
 STRAL\*TS\$2  
 SLSU\*TS\$3  
 STRAL\*TS\$3  
 SLSU\*TS\$4  
 STRAL\*TS\$4  
 ENTAL\*ALPARM  
 RSHAL\*10D  
 SLCL\*K3  
 STRADR\*LOK+1  
 ENTBK\*0  
 ENTALB\*TYPE1  
 STRAL\*RN00P  
 ENTALB\*TYPE1+2  
 STRAL\*TS\$51  
 ENTALB\*TYPE1+4  
 STRAL\*TS\$52

INITIAL AL INPUT PARAMETER  
 CHANNEL NO. TO BITS 5-0

000037  
 777700

INITIAL AL INPUT PARAMETER  
 1232/1532 BIT TO BIT 0  
 000001

B IS 0 FOR 1232, 1 FOR 1532  
 TABLE OF MODIFIED INSTRUCTIONS

