

R0001 WE ARE DEEPLY INDEBTED TO THE ONE, THE ONLY, THE GREAT JOHN SHAW FOR THE FOLLOWING STRONG MAGIC....
 R0003 JSOCTLI

0004 SETLOC,6C SIZPASS1 +64 B1

0005 MASKGRP,1 S,0 F,0

R2726 FINALIZING SEQUENCE FOR PASS 1. CALLS ..GET TAPE.. TWICE TO ENSURE THAT END SYLT AND EOFRI ARE
 R2728 PROPERLY RECEIVED, FINISHES AND TRANSMITS THE LAST POPO BUFFER, SNATCHES ANOTHER WORKER FOR EXTRA COPIES IF RE-
 R2729 QUIRED, WAITS FOR THE PARAPROGRAMS TO DIE, AND LOADS PASS 1.5 TOGETHER WITH THE GENERAL PART OF PASS 2.

27305	FINISH P1	TX	P1 MASKS	-	Z,MXR	
2731		TS	Z,SC	Z,S3	GET TAPE	C
2732		TS	Z,SC	Z,S3	GET TAPE	C

THESE SHOULD MAKE EOF RETURN VIA S3.

27332		LA	HEALTH	ZERO	C,+4	LAST CARD PROCESSED SHOULD BE "END OF",
273325		NA	END YUL +1	END YUL +2	DISASTER	EXCEPT POSSIBLY IN BAD MERGE, IN WHICH
27333		NA, CD TYPE	HEALTH	(MODIFY)	DISASTER ← is it?	CASE IT COULD BE AN UPCHUCKED CARD.
273338		TS	-	-	C,+3	AVOID REDUNDANT "END OF" IN FROZE REJEC. ← WHY?
27334		NA, BIT8	SWITCH	ONES	C,+2	BRANCH IF NOT FREEZING SUBROUTINES.
27336		TS	L END OF	Z,X0	SEND POPO	C SEND "END OF" AFTER FROZEN SUBROUTINES.
2734		NA	SEND POPO	SEND POPO +1	C,+2	
2735		TS	POB PLACE	Z,X4	MOVE POPO +2	C FINISH LAST POPO BUFFER IF REQUIRED.

2737		TS	Z,SC,2	Z,X0	SEND POPO	C
27375	PMAX9 MSG	ALF,2	PMAX = 9ENDCPOPO			
2738		TS	POPO BUFF	Z,S4	MOVE POPO +3	C SEND EOF RECORD TO POPO TAPE.
2740		NA	END YUL +1	END YUL +2	ONE RUN +1	BRANCH IF NO MERGE ERROR.
2742		LA	BIT 1	END PARAS	ONE RUN -1	BRANCH IF RD1 IS STILL GOING.
2744		TS	-	-	PHI TAPE	MERGING ERROR DISCOVERED AFTER YULPROGS
2746		RW,1	-	-	-	WAS REPOSITIONED.
2748		SM	SWITCH	BAD1 BITS	SWITCH	BAR YULPROGS WRITES, BAR SOME PRINTING.

2750	ONE RJN	TS	ZERO	N COPIES	PARA WAIT	SUPPRESS EXTRA COPIES ON MERGE ERROR.
27512		SWS, BIT1	SWITCH	10,L	SWITCH	MAYBE SET REPRINT FLAG FOR PASSES 1,5,3.
2752		LA	N COPIES	ZERO	PARA WAIT	BRANCH IF NO EXTRA COPIES REQUESTED.
2754		NA	PAPER PLY	ZERO	9 PLY CHEK	BRANCH IF OPERATOR TYPED IN PLY.

P27555 OPERATOR GETS SECOND CHANCE TO TYPE IN HIS INTENTIONS ABOUT N-PLY PAPER.

2756	TYPE QUES	S, MON TYP	ER WH PLY MSG	SPRAMR +16	-	TYPE "WHAT PLY PAPER.."
2758		S, MON TYP	ER WAA 10060	SPRA +24	-	"W A A10060 0000000P".
2760		TX	C,+0	0	Z,AU2,31	
2761		TX	C,+0	0	Z,AU1,31	
2762		NA	PAPER PLY	ZERO	9 PLY CHEK	
2763		NA	Z,AU1,1	ONE	C,-1	WAIT A FEW MINUTES AFTER SECOND CALL.
2765		NA	Z,AU2,1	ONE	C,-3	
2766		S, MON TYP	ER OP SLP MSG	SPRA +16	-	TYPE "OPERATOR ASLEEP", USE 1-PLY.
2768		TS	ONE	PAPER PLY	OK PLY	
2769	9 PLY CHEK	LA	PAPER PLY	NINE	OK PLY	ANY PLY ONE TO NINE IS ACCEPTABLE.
27705		TX	ZERO	-	PAPER PLY	
2771		S, MON TYP	ER PMAX9 MSG	SPRA +8	TYPE QUES	MORE THAN 9 IS SLIP OF FINGER.
2773	OK PLY	LA	N COPIES	PAPER PLY	ONE RUN	BRANCH IF ONE PRINT RUN WILL DO IT.
2775		S, MON TYP	ER COPY OP			SKIP IF COPY WORKER MUST BE SNATCHED.
2777		TS	PAPER PLY	COMMON	POSIT CPY	
2778		TS	PAPER PLY	COMMON	MON SNACH	
2779		ALF,3	W10Y0105YUL	COPY5		
2780	POSIT CPY	TS	-	-	PHI TAPE	
2781	COPY OP	RW,5	-	-	-	
2782		TS	CAC 3	Z,X4	PHI TAPE	
2783		RF,5	4,0	-	-	
2784		WD	N COPIES	ONE	N COPIES	
2785		WA	COMMON	PAPER PLY	COMMON	
2786		LA	COMMON	N COPIES	C,-1	COMPUTE EXACT NUMBER OF COPIES.
2788		TS	COMMON	N COPIES	PHI TAPE	
2789		RF,5	-	-	-	
2794	PARA WAIT	NA	END PARAS	ZERO	PARAP NAP	SLEEP UNTIL ALL PARAPROGRAMS DIE.
2796		TN	ZERO	1	SUBSTRAB	
2797		MT	ZERO	7	N,AU2,1	CLEAR OUT SUBSTRAND (PARAGRAPH) TABLE.
2798		TX	ADR LIMIT	-	N WD RECS	SUPPLY MAX LOC +1 TO PASS 1.5.
2800		S, MON TYP	ER END YUL	SPRA +16	-	THIS MAY INCLUDE A MERGE ERROR FLAG.
28011 *		EX	SWITCH	BIT 7	COMMON	
28012 *		LA	COMMON	ZERO	LOAD PAS 2	BRANCH IF NOT DOING A SEGMENT ASSEMBLY.
28013 *		SS	ZERO	BIT 7	SWITCH	
28014 *		NA	SEG OWNER	BLANKS	LOAD PAS 2	BRANCH IF ITS OWNER WAS NAMED.
28015 *		TN	W OWNER EQ	2	OLD LINE +14	"OWNER = ??????????" ON COVER SHEET.
28016 *		TX	W OWNER EQ +1	-	PAGE HEAD +14	QUESTIONS MARKS TO PAGE HEAD TOO.
2802	LOAD PAS 2	S, PHI LOAD	PASS 2	1	BASE ADDR	LOAD AND GO TO PASS 1.5 AND THEN PASS 2.
R2804	MINOR SUBROUTINE TO STALL IN SEQUENCE MODE.					
2805	PARAP NAP	TS	-	-	MON SLEEP	C
2806		WD	Z,SH	ONE	Z,SC	