

Saltzer

TO: Administrative Distribution
FROM: E. T. Reardon and J. Waclawski
DATE: September 22, 1969
SUBJECT: GE-645

<u>Date</u>		<u>Status</u>
	1) Tapes Remarks	
9/16/69	MTH's J, E + N - desk erred, adjusted and replaced bulbs and pwbs	SAT
9/18/69	MTH C+E - aligned, diskewed and replaced bulbs	SAT
9/19/69	MTH B, M+N - adjusted	SAT
	2) Document Handlers Remarks	
9/17/69	PRT A - Overprinting - broken wire to clutch repaired	SAT
9/18/69	PRT B - Top of page not working - put a temp. fix for missing clamp for fly wheel	LIMP
	3) DSIO's Remarks	
9/17/69	DEV 0 - blow fuse mode 0 - 2 arms for different groups enable giving 3MA of I in the HPC supply where 1.5 ma is normal	DOWN
9/18/69	DEV 0 - spread pin, bad relays were replaced	SAT
9/18/69	DSIO C - not turning head power off replaced pwb, swapped head select board - possible seating problem	SAT

PROJECT MAC
TECHNOLOGY SQUARE

To: Administrative distribution
From: Edward T. Reardon and John W. MacIawski
Subject: Service Machine Weekly Time Report

Date September 22, 1969

Week of September 15, 1969

DAY	DATE	MULTICS TIME			MACH. ERROR	LOST	EXPM	SETUP	SPEC SESS	LIMP*	TOTAL
		12-8 AM	8-5 PM	4-12 PM							
MON.	9/15/69	4:05	4:40	3:03	7:00	2:10		2:15	:47		24:00
TUES.	9/16/69	5:45	3:06	2:44	4:31	:55		2:04	4:53	1:55	24:00
WED.	9/17/69	4:15	3:46	:43	10:06	:20		:40	4:10		24:00
THURS.	9/18/69	1:15	4:30	2:46	4:05	5:32		1:42	4:00	8:30	24:00
FRI.	9/19/69	4:00	:35	3:10	:15	5:00		3:45	4:55		24:00
SA.	9/20/69	3:35	6:05	6:20		:40		2:25			24:00
SUN.	9/21/69	7:15	7:38	6:02		1:03		2:02			24:00
TOTAL											
PERCENT											
MONTH TO DATE TOTALS											
(Xfor entire month)											
MONTH TO DATE											
PERCENTAGES											

* Excluded from Total Percentages

GE 605
SERVICE MACHINE
WEEKLY JOB STATISTICS

DAY	DATE	SHUTDN	EMERG SHUTDN	SAVES	DUPES	CRASH	BACKUP TAPES	OTHER WRITE	USER INPUT TAPES	PRINT OUT PIECES	PUNCH OUT PIECES	USER AVERAGE SHIFT			
												3	1	2	
MON	9/15	1	0	2	3	6	7	4	2	148	0	43	7	17	15
TUES	9/16	3	2	2	3	3	7	1	4	102	0	44	6	15	12
WED	9/17	2	2	2	5	12	6	7	8	158	0	44	6	18	10
THURS	9/18	3	3	2	2	4	5	3	1	167	0	28	5	19	17
FRI	9/19	3	0	2	2	4	6	2	2	149	0	51	11	0	15
SAI	9/20	4	0	2	1	1	2	0	0	259	0	113	8	14	12
SUN	9/21	3	1	2	3	2	5	0	0	211	0	99	4	8	12
WEEKLY TOTAL		19	8	13	20	32	36	17	17	1204	0	422			
MONTH TO DATE TOTALS		56	17	41	46	76	117	82	72	3515	0	1116			

(X) WHEN TOTAL IS FOR ENTIRE MONTH

To: Administrative Distribution

From: Edward T. Reardon and John W. Waclawski

System Availability (Excluding
 Down and Machine Error Time)

PROJECT MAC
 TECHNOLOGY SQUARE

AVERAGE

WEEKLY TIME REPORT (GE 645) DEVELOPMENT

Date September 22, 1969

WEEK OF 9/15/69

DAY	DATE	TOTAL	USAGE			IDLE DOWN	MACH. ERROR TIME	SOFTK LOST TIME	LIMP* P.M.	EXPM
			BOOT LOADS	IMCV'S JOBS	CARD					
MON.	9/15/69	24:00	5:05	:55	1:30	6:15	2:45		4:00	3:30
TUES.	9/16/69	24:00	5:15			:20	14:25		3:30	:30
WED.	9/17/69	24:00					23:30		:30	
THURS.	9/18/69	24:00	1:25	1:30	9:20	5:00			3:30	3:00
FRI.	9/19/69	24:00	3:00	:20	1:15	3:40			2:45	3:00
SAT.	9/20/69	24:00	2:10		1:10	3:10	7:30			
SUN.	9/21/69	24:00	2:00			5:30	16:30			
TOTAL		163:00	18:55	2:45	13:15	43:55	64:40	:15	14:15	10:00
PERCENTAGE		100%	12%	1 1/2%	7%	27%	39%	%	8%	6%

* EXCLUDED FROM PERCENTAGES

MONTH TO DATE TOTALS (X when total is for entire month. ())	PERCENTAGE
504:00	309%
15:03	19%
35:20	2%
175:32	7%
98:10	35%
:50	20%
43:20	8%
48:15	9%

WEEKLY JOB STATISTICS (GE 645) DEVELOPMENT

DAY	DATE	TOTAL JOBS RUN	TOTAL BOOT-LOADS	TOTAL CARD JOBS	IMCV'S RUN AT MAC						NO EJB AFTER 1ST TRY	NO EJB AFTER 2ND TRY
					IMCV'S	EJB ON 1ST TRY	EJB ON 2ND TRY	EJB ON 2ND TRY	EJB > 2ND TRY	EJB ON 1ST TRY		
MON.	9/15/69	14	5	7	2	1					1	
TUES.	9/16/69	8	8									
WED.	9/17/69	0										
THURS.	9/18/69	26	2	17	7	3			1		3'	
FRI.	9/19/69	7	3	3	1						1	
SAT.	9/20/69	7	2	5								
SUN.	9/21/69	1	1									
TOTALS		63	21	32	10							
MAC IMCV PERCENTAGE					100%							
TOTAL IMCV PERCENTAGE				100%								
TOTAL JOB PERCENTAGE		100%	33%	51%								

MONTH TO DATE TOTALS (x when total is for the entire month)	212	99	87	26
MONTH TO DATE PERCENTAGE	100%	40%	35%	25%

Saltzer

TO: Administrative Distribution
FROM: J. M. Grochow
DATE: January 13, 1970
SUBJECT: Secondary Storage Quotas as of 1/13/70

Secondary storage quotas have now been assigned for all projects on the Multics system. All projects will be charged on their January bill for usage as of the first week in January. The total of all quotas in the system is based on the following computation:

total quota = total secondary storage capacity - temporary
storage for process_dir_dir
total secondary storage capacity = 7 DS-270 disks (17,500) +
drum (4096) - BOS area (64) + part of DS-10 (3750 for
library_dir_dir) - area for Salvager (500) = 24,782
temporary storage for process_dir_dir = 2032
total quota = 22,750

(The rationale for some of these numbers will not be discussed in this memorandum.)

The following division of this space currently is in effect:

user_dir_dir 15,350 (includes all inferior quotas)
library_dir_dir 4,100
system_library_p11 450
system_library_6-231 150
everything else except process_dir_dir 2800

In addition, all project directories have been assigned quotas thus

reducing the "unassigned" user_dir_dir quota to 449 (SysDaemon and SysLib still draw off this amount).

The implication of these figures is as follows:

Potentially chargeable space:

user_dir_dir	14,901
system_library_p11	450
system_library_6-231	150

Approximate utilization as of 1/13/70:

user_dir_dir	11,200
system_library_p11	415
system_library_6-231	55

At the rate of \$1/page-month, charging for secondary storage utilization should add approximately \$11,000 to the bill for January, or approximately one-third to one-quarter of the previous monthly bills.