SUBJECT: CENTRAL COMPUTER EVALUATION, NO. 2, MARCH 7-18, 1955

TO: NORMAN TAYLOR
FROM: SAMUEL L. THOMPSON
DATE: JANUARY 27, 1955, REVISED MARCH 14, 1955

APPROVED:

Abstract:

The second central computer evaluation test will take place on March 18, 1955. During this test, special emphasis will be placed on testing the memory. Less shock testing will be done. Otherwise, the test will be the same as the first central computer evaluation test.

1. Reliability. See the attached time schedule.

2. Power Off. Power (AC and DC) will be turned off for 15 minutes. The time required to get all of the reliability programs listed in the time schedule running again will be measured.

3. The reliability run will be repeated.

4. Shock tests. About 150 plug-in units will be vibrated. Shaking the plug-in units should also shake the tubes in the units. Only 100 tubes will be tapped individually.

5. Repeat the reliability test.

The results of this test will be included in the report that evaluates the central computer as of March 18, 1955. This report will also include the records of the computer's performance between March 7 and March 18, 1955.
Central Computer Reliability Test

March 18, 1955

Run these programs for the length of this given:

<table>
<thead>
<tr>
<th>Program</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCC 01</td>
<td>&quot;Hard Core&quot;</td>
</tr>
<tr>
<td>RCM 01</td>
<td></td>
</tr>
<tr>
<td>RMM 2 04</td>
<td></td>
</tr>
<tr>
<td>RCM 01</td>
<td>Card Machines</td>
</tr>
<tr>
<td>RCM 01</td>
<td>Memory</td>
</tr>
<tr>
<td>RCM 01</td>
<td></td>
</tr>
<tr>
<td>RCM 01</td>
<td>Card Machines</td>
</tr>
<tr>
<td>RCM 01</td>
<td></td>
</tr>
<tr>
<td>RAE 01</td>
<td>Arithmetic Element</td>
</tr>
<tr>
<td>Special Punch</td>
<td>Card Punch</td>
</tr>
<tr>
<td>RMM 1 08</td>
<td>Memory</td>
</tr>
<tr>
<td>RMM 2 07</td>
<td>Memory</td>
</tr>
<tr>
<td>RAE 03</td>
<td>Arithmetic Element</td>
</tr>
</tbody>
</table>

Switch memories and repeat RMM 2 04

<table>
<thead>
<tr>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 min.</td>
</tr>
</tbody>
</table>

Card Machines

Program Element

Arithmetic Element

Card Punch

Total Time -- 2 hours

SLT: rm

cc: MIT

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L. R. Walters
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