(Notes From The Operator)

Please remove all decks from the distribution boxes when you pick up your output. The boxes are not for storage of any material. Daily cleanup will be performed; any decks left in the boxes will be thrown away.
Will cause NN blank lines to be printed before the next source listing line. If NN is omitted, 1 is assumed. If NN is greater than or equal to the number of print lines left on the page, then action is taken as in the EJECT card; that is, a skip to the top of the next page is performed.

Example:

GO TO 4000

DO 1700 I=1,J,4

Would list as:

GO TO 4000

DO 1700 I=1,J,4

#TITLE PERFORM SYMBOLIC INTEGRATION.

Would cause an eject to the next output page and would also cause this page heading to be printed:

FORTRAN IV COMPILATION PERFORM SYMBOLIC INTEGRATION PAGE 1.

A title card with no operand would print a heading with no title string in it:

FORTRAN IV COMPILATION PAGE 1
A new supervisor call for obtaining the current value of the system's line counter is available. This value reflects the position on the current physical printer page. The SVC returns, in general register 0, an integer from 1 to 66 telling the line number on which the physical printer is currently sitting. This value is correctly maintained no matter what type of carriage control is used or how many different System Units the writing is done on.

For example, if a title is to be printed on the top of each page of printed output from a program:

Assembler:

```
START
BALR 12,0
USING #,12 ESTABLISH BASE

... ...

SVC 32 GET LINE COUNT
CH 0,=H'60' DID WE JUST PRINT LINE # 60?
BNL PRTTITLE YES, PRINT A NEW TITLE

... (code to do output printing)

END
```

Fortran:

```
INTEGER SVC (declares an integer function)

... ...

IF(SVC(32),GE.60)WRITE(6,600)

... (code to do output printing)

600 FORMAT('THIS IS THE TITLE')

... ...

END
```
c - is the punch limit for the job (# of cards).
If omitted the default value is 0.

The CHARGE card is the second card in the deck. It may be
punched on any card form. The format of the CHARGE card is:
Col. 1
:
// [password] \ CHARGE \ projectname \ [comments]
The meaning of these fields have been previously explained.
The CHARGE card is _never_ printed on the output listing of the
job. Any CHARGE card with a non-blank password field will be
removed from the deck before it is placed in the distribution
box.

The /& card is the last card in the deck. The format is:
Col. 1
:
/ & \ [comments]
This is used to delimit the end of your job.

The "Job Submission Card" that is currently required is no
longer required unless one or more of the following conditions
exist: 1. The job uses tapes.
2. A disk change is necessary.
3. Special instructions to the operator are necessary.
4. The job will request special printer forms or car-
   riage tape.
5. The job uses the plotter.

The operations staff reserves the right to cancel either
the run or the output of any job requiring the above mentioned
instructions which does not have a properly filled in Job Sub-
mission Card.
this may be anything but should be similarly mnemonic (e.g. SYSTEMS.COBOL.JG, ANALYSIS.ROBERTS).

2. Indicates whether you are creating a NEW Project Name, ADJUSTing an existing Project Name or DELET(E)ing an old Project Name.

3. ACCOUNT NUMBER: This is your 4-digit TCC account number.

4. USER ID: This is your 3-digit TCC user Id. If you don't have one, it will be assigned by the Computer Center when you submit the form. This Id is very important since it will be the basis of the new file-handling facility to be implemented in the near future.

5. PASSWORD: This field is optional. It may be any one to eight digit alpha-numeric code (the first digit must be alpha) to be used as a security check on this Project Name. If specified, this code must always be included on the "// CHARGE" card (explained later) to allow this project name to be used. // CHARGE cards with passwords will be removed from the card decks before they are placed in the distribution boxes.

6. PROJECT LIMITS: Limits will be placed on the amount of facilities which may be used (year-to-date) under this Project Name. Limits for instructional projects associated with Computer Science courses are determined by the Computing Center. Limits for all other instructional projects as well as all non-instructional projects will be determined by the supervisor of the account.

7. JOB LIMITS: Limits may be specified on the amount of facilities that this Project Name may use in any one job. These limits
NEW ACCOUNTING SYSTEM

On July 1, 1973 a new accounting procedure will be instituted and a new job format necessary. This is being done primarily for the purpose of facilitating and expediting the process of running a job while allowing for a much improved system of collecting job-by-job and overall statistics on computer usage.

In an attempt to make our charging scheme as consistent as possible, all operations of "variable duration" will be charged on a per-operation basis rather than by time. The following scheme will be used.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>CHARGE (in QUATLOOS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXECUTION TIME(^2)</td>
<td>250/sec</td>
</tr>
<tr>
<td>WAIT TIME(^3)</td>
<td>250/sec</td>
</tr>
<tr>
<td>CARDS READ</td>
<td>8 ea.</td>
</tr>
<tr>
<td>LINES PRINTED</td>
<td>7 ea.</td>
</tr>
<tr>
<td>PLOT BUFFERS</td>
<td>30 ea.</td>
</tr>
<tr>
<td>CARDS PUNCHED</td>
<td>24 ea.</td>
</tr>
<tr>
<td>TAPES MOUNTED</td>
<td>20000 ea.</td>
</tr>
<tr>
<td>DISKS MOUNTED</td>
<td>50000 ea.</td>
</tr>
<tr>
<td>CONSOLE OPERATIONS</td>
<td>250000 ea.</td>
</tr>
<tr>
<td>PRINTER-FORMS CHANGE</td>
<td>50000 ea.</td>
</tr>
<tr>
<td>PLOTTER-FORMS CHANGE</td>
<td>20000 ea.</td>
</tr>
</tbody>
</table>

1. A QUATLOO is currently equivalent to \(10^{-4}\) dollars.
2. This is defined as time spent executing instructions within the problem program plus time spent executing instructions within the supervisor on behalf of the problem program.
3. This is defined as time spent waiting for high-speed I/O operations (i.e., tape or disk). This does not include time spent waiting for manual operations on these devices.