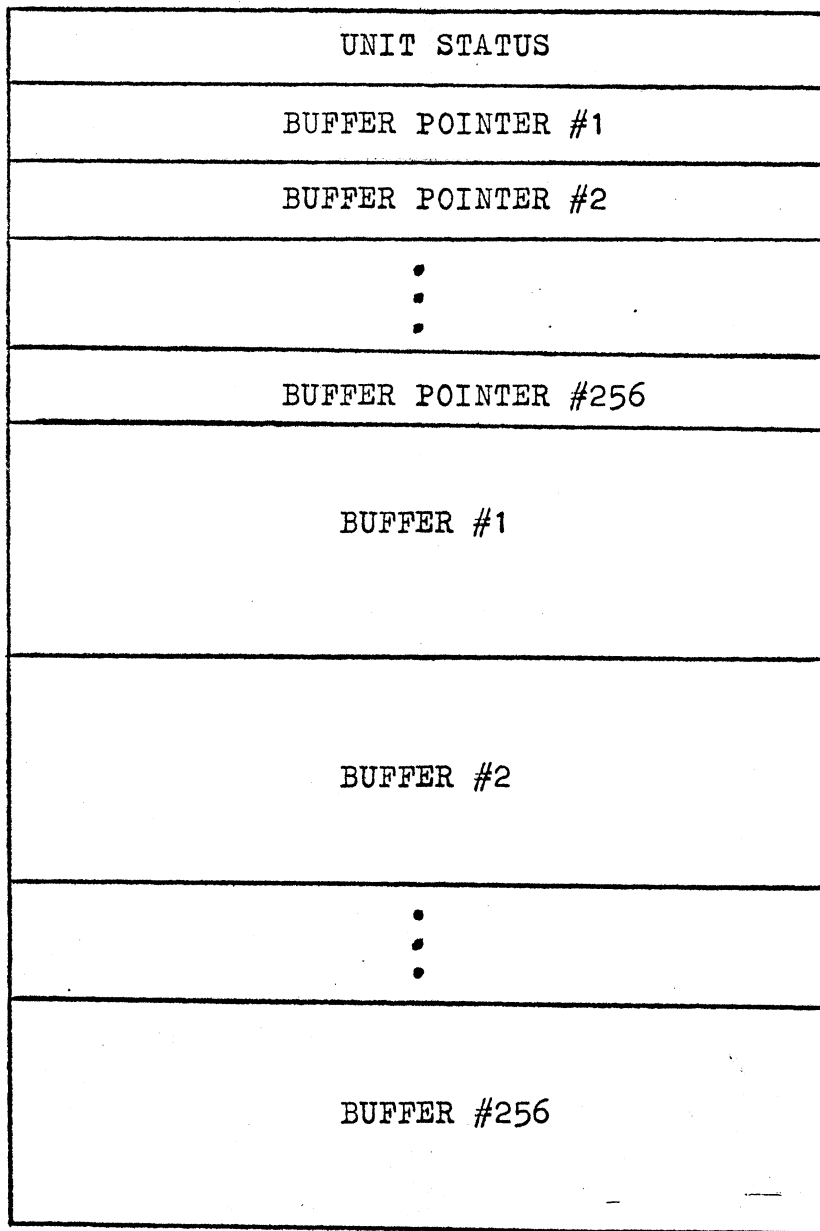


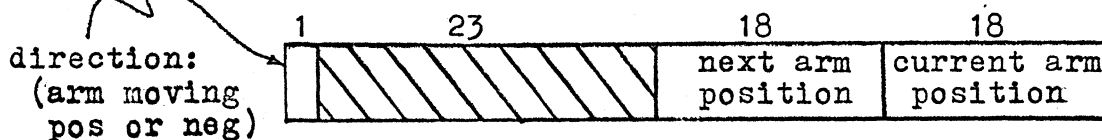
DISK DRIVER SPECIFICATIONS

7/28/70

Format of Disk Driver Buffer File:



Details of UNIT STATUS:



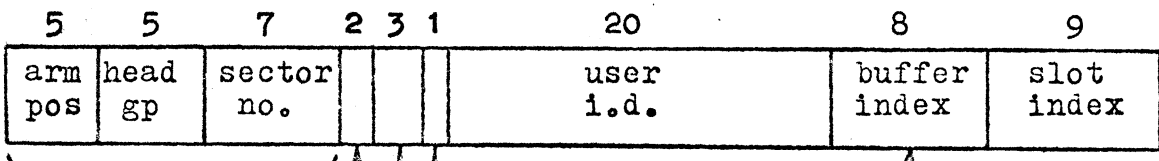
Details of BUFFER POINTER:



buffer size: {

- 0 ⇒ 64 words
- 1 ⇒ 129 words
- 2 ⇒ 257 words
- 3 ⇒ 513 words

Format of Disk Driver Request Event:



disk addr

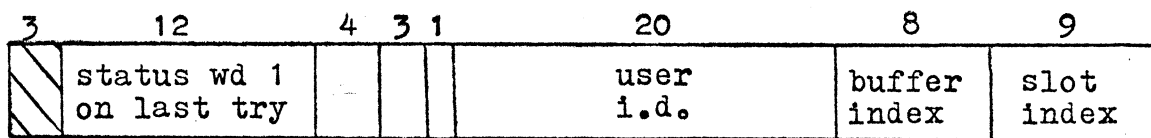
(0 before a read)

block size:
 0 ⇒ 64 words
 1 ⇒ 129 words
 2 ⇒ 257 words
 3 ⇒ 513 words

retry count:
 (should be
 non-zero)

request type:
 0 ⇒ read
 1 ⇒ write

Format of Disk Driver Response Event:



(0 after a
successful write)

termination
indication:
0 ⇒ success

final value
of retry ct.

request type:
0 ⇒ read
1 ⇒ write

Disk Driver Request-Slots and Buffers:

Any program sending a Disk Driver request must first allocate a "Request-Slot", and in some cases, a buffer. After receiving the response, the program must free the slot, and in some cases, the buffer.

Slots:

Format of Slot Allocation event:



Buffers:

READ: Buffer allocated by Disk Driver; must be freed by user program. Send event on Read-buffer event channel for that size buffer.

WRITE: Buffer must be allocated by user program; will be freed by Disk Driver if the write is successful. Use Write-buffer event channel for that size buffer.

Format of Buffer Allocation event:

