

February 29, 1968

17,170,432	# words on disk	12 bits to address a large block
<u>60</u>	bits/word	6 bits to address a small block
1,030,225,920		6 bits to address a word
		24 bits

so we have  $6 \cdot 10^6$  words in 1/2 disk  
 $10^5$  sectors

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or  $2048 \cdot 50 \cdot 10^5$  sectors

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10% for a directory = 10000 directory pages

WOW

or

subdivide into 1/2 permanent storage  
and 10% of that for directory  
= 5000 directory pages!

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Now if 1/2 of disk is permanent storage  
that is 1048 half tracks!  
This is maximum number files in permanent area as  
each file must be at least 1/2 tracks!

Study current common files!!!