

In the Beginning, There was Chaos  
And then, there was Chaos  
And of the chaos, UNIX was born  
And from UNIX came UNIX  
And quite from the shadows, arose freedom  
And GNU/Linux was born

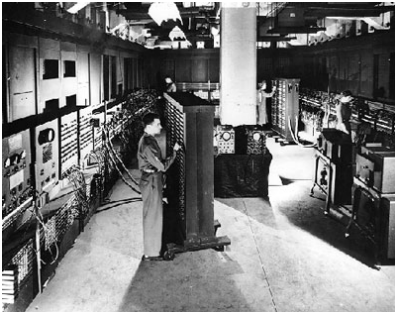
# Beginning System Administration DeCal

## Week 2

February 09, 2009

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# Mainframe



- Proprietary
- Over-sized calculators
- Behemoths

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# Enter MULTICS

- 1965 - Bell Labs, GE, MIT

ITEM	NO.	UNIT	COST
MUCK	1	1	1.50
BUZZ	2	1	1.50
TONER	4	12	4.80
EYE	1	1	1.50
RAKE	1	1	1.50
CUT	1	1	1.50
TONER	1	1	1.50
SNUFF	1	1	1.50
SUBTOTAL			131.10
9.75% TAX			12.85
TOTAL			14438.16

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# Enter UNIX

- 1969 - Ken Thompson, Dennis Ritchie, Rudd Canaday
- PDP-7, PDP-11



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## Enter academics

- 1975-1977 UCB + CSRG

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## 1984 - The UNIX Wars

- Commercial entities invested
- Sun - Solaris
- HP - HP-UX
- IBM - AIX
- AT&T, Novell, Bell Labs

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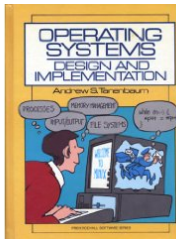
## 1984 - GNU



- Richard Stallman and the Free Software Foundation

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## 1985 - MINIX



- Andrew Tanenbaum
- Operating Systems - Design and Implementation



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## 1991 - Linux



- Linus Torvalds

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# GNU/Linux

- See Timeline
- Command Line tutorial