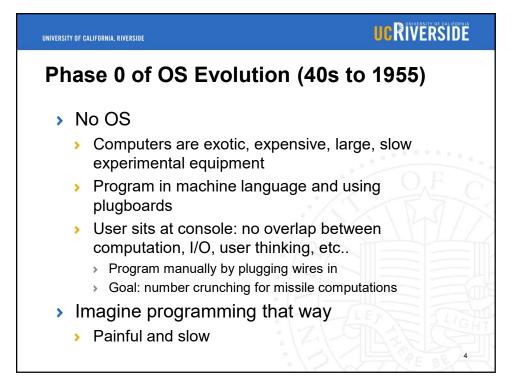
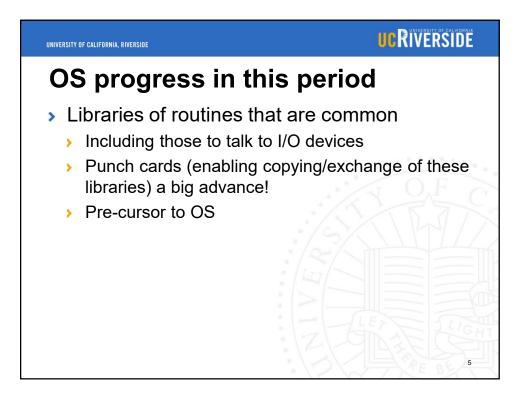
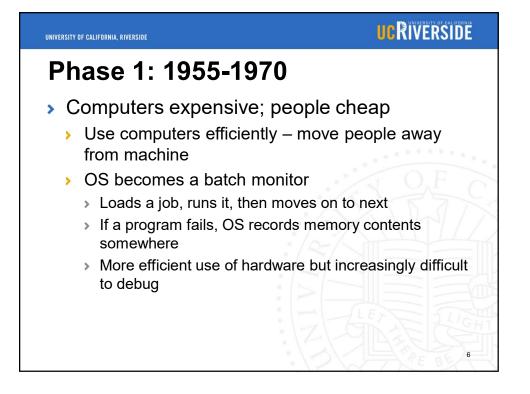


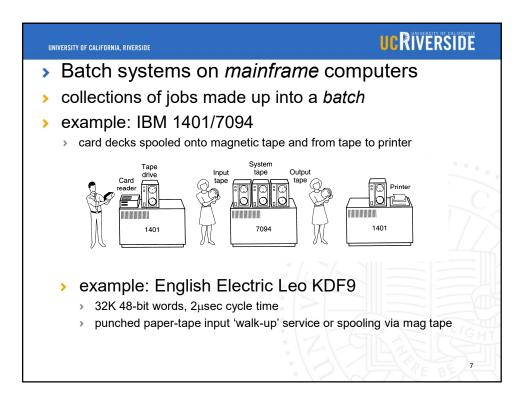
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Today	
 Evolution of Operating Systems (an Some slides modified from Silberschatz well as Margo Seltzer Operating Systems models 	. ,
> Operating Systems models	
 > Why study history? > Understand why OS's look like they are > Appreciate how and why different piece > Explain how external forces also shape > Provide context for the rest of the quart > Its interesting! 	es evolved e OS

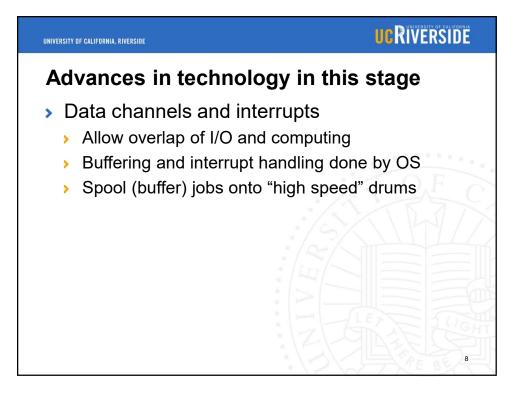
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Dawn of computing		
program CPU	printer	
	printer	
Pre 1950 : the very first electronic co		
 valves and relays 	Sinputers	
single program with dedicated function		
 Pre 1960 : stored program valve ma 	chines	
single job at a time; OS is a program	m loader	
* \	3	

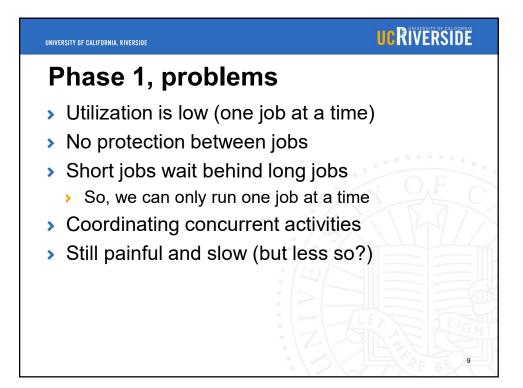


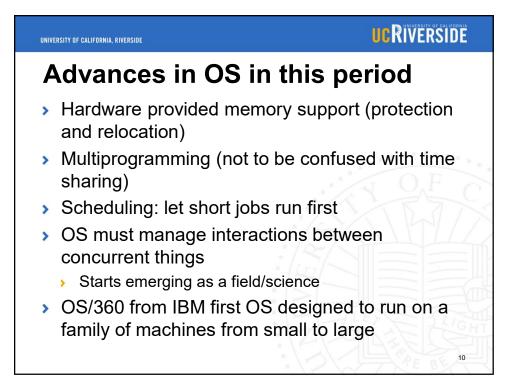


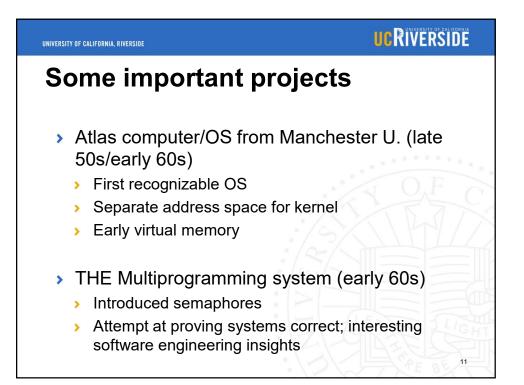


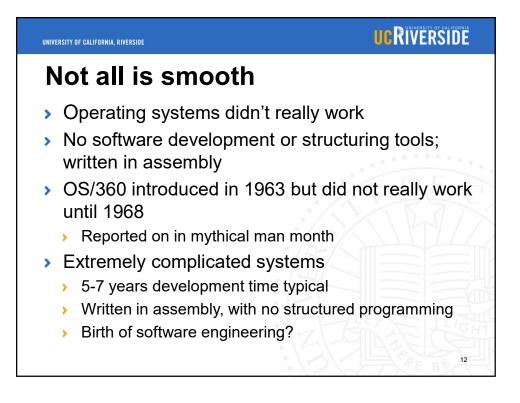


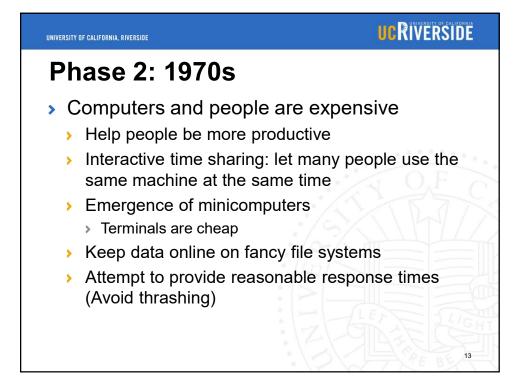


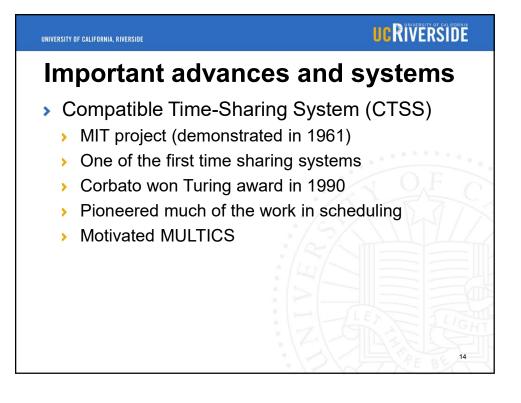




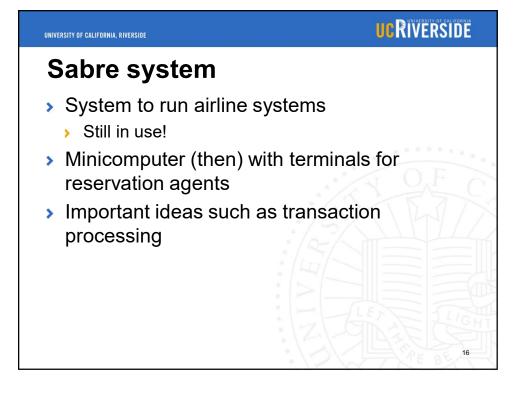


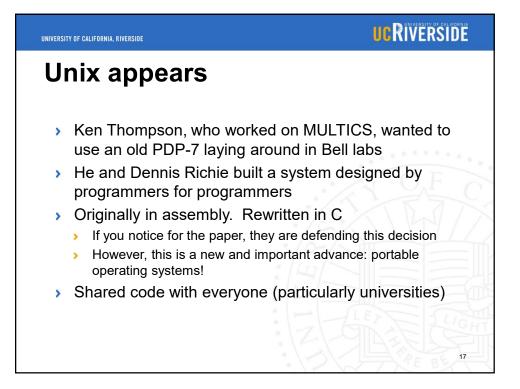


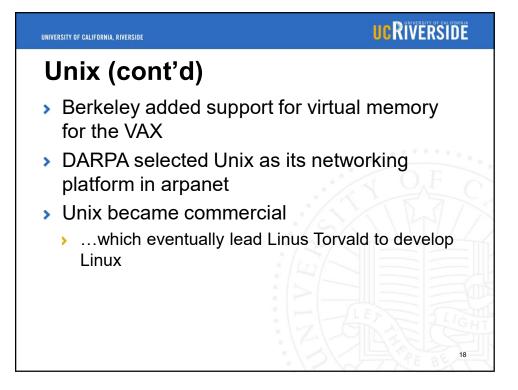


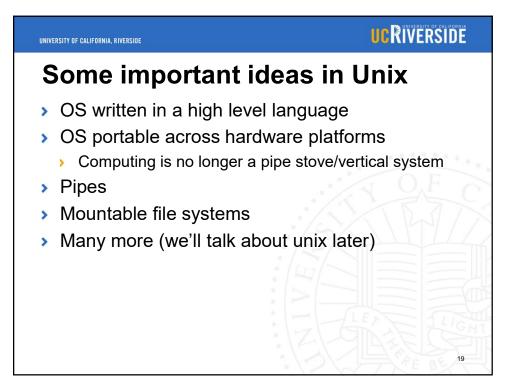


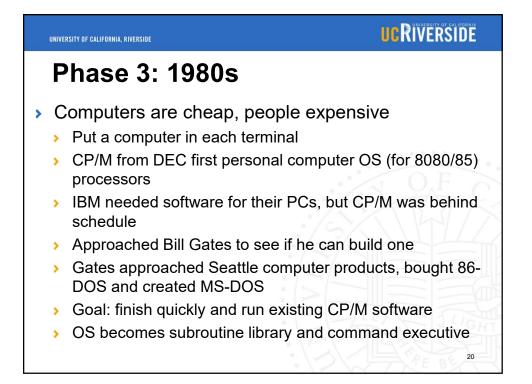


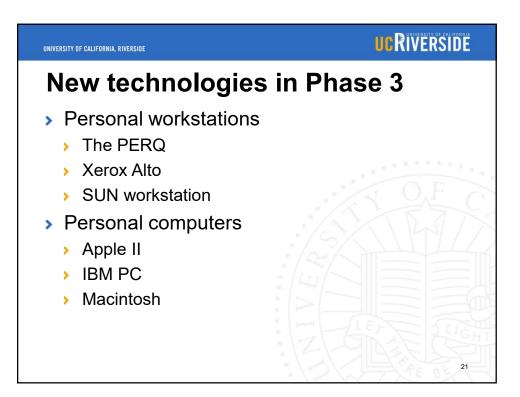












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New technologies (cont'd)	
 > Business applications! > Word processors > Spreadsheets > Databases > Marketplace is broken up hor > Hardware > OS > Applications 	rizontally

