Elision Based Text Zooming Sam Davis	<section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header>	<i>"Never put anything important in the middle of a paragraph."</i>	Quick Demo
<section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header>	Original Idea • As zoom increases, chop lines off the end of every block of text (paragraph)	 Modification Line lengths hard to determine Rate of zooming too great Instead, for each block of text Hide words in groups of 6 	 Proportional Zooming Paragraph lengths differ greatly When hiding text, for each paragraph, rate of zooming proportional to paragraph length When showing previously hidden text, rate of zooming constant for all paragraphs Sudden jump when zooming all the way in
Proportional Zooming Demo	 Showing Specific Paragraphs Clicking a paragraph: Zooms it in all the way Draws a permanent box around it to make finding it again easier Moving mouse over indicators temporarily pos up paragraph in gold box, reduced fort To improve continuity, first hidden word highlighted 	<text><text><text><text><text></text></text></text></text></text>	Bioissephilies A. Subset in Bis and Statutory Royalities. For the avoidance of hout, where the Morki is a sound recording. Licensor waves the exclusions is sound recording. Licensor waves the exclusions conditionation of the Dots (whether individually or us a performance (explosed) on the Dots (whether individually or us a performance (explosed) on the Dots (whether individually or us a performance (explosed) on the Dots (whether individually or us a performance (explosed) on the Dots (whether individually or us a performance (explosed) on the Dots (whether individually or us a performance (explosed) on the Dots (exp

Future Work	Conclusions	Questions?	
 Better handle nested structures, e.g. lists, and lists within lists For lists of many short items, hide one complete item at a time Treat longer list items as paragraphs – don't hide all at once Combine with traditional zooming (resizing) One control for both zooming and scrolling that prevents doing both at once Smoothly switch between zooming and scrolling 	 Zooming by elision is effective Smoothness is key Should be combined with details on demand 		
17	18	19	