




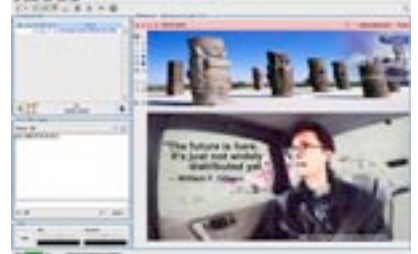
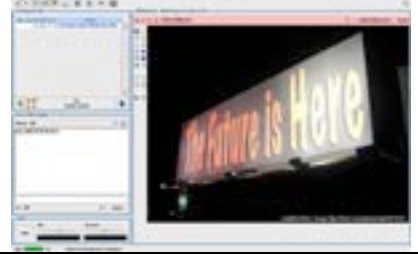

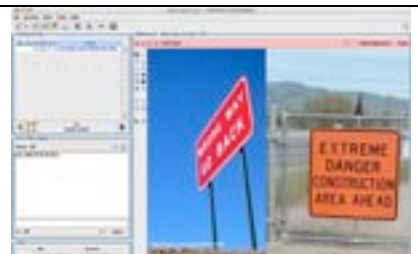


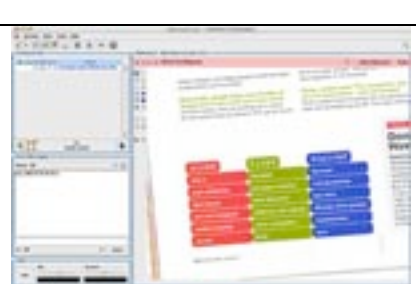

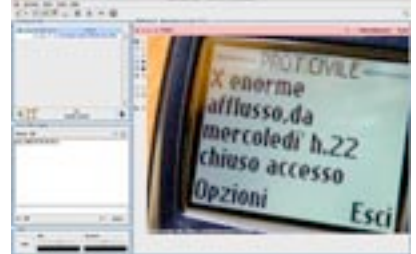





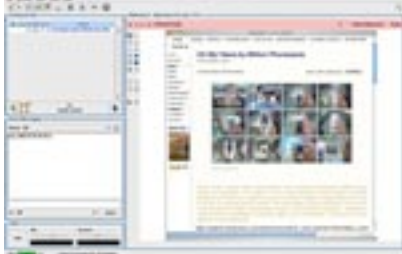

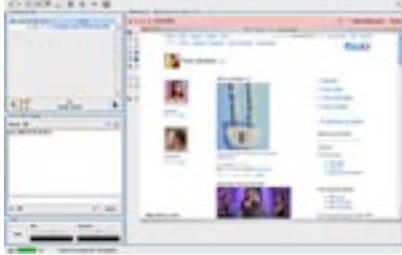



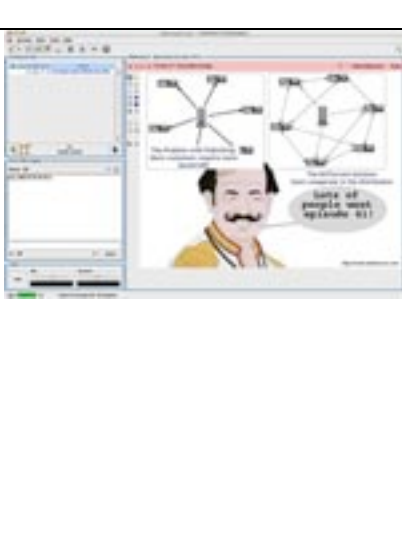
	<ul style="list-style-type: none"> Welcome, I have a lot to cover and will talk way too fast.
<p>05:00</p> 	<ul style="list-style-type: none"> How many Star Trek Fans? Kirk and Spock are trapped by the tricky Harry Mudd on a planet controlled by robots. Their programmed response to take care of humans has entrapped the crew. The main control robot (#1) is Norman.
<p>05:30</p> 	<ul style="list-style-type: none"> Must fool robots to escape, so they play a game of logic. Kirk tells Norman, "Everything Harry says is a lie..."
<p>06:00</p> 	<ul style="list-style-type: none"> Harry then tells Norman, "I am lying" Normal, being a programmed robot, starts applying logic, enters an endless loop and goes up in smoke Kirk and crew escape. Is there a lesson there for our technology expectations?
<p>07:00</p> 	<ul style="list-style-type: none"> With apologies, I apply a similar scenario... And not to imply that you are all programmed robots, I ask all TCC participants to play Norman. Kirk, played by Bert Kimura says, "Everything Alan says about the future is a lie..." (Jim Shimakuburo listens in as Spock) Then I, playing Harry Mudd say, "I know the truth about the future...." Will you all go up in smoke? Do you really put much stock in people who claim to predict the future?
<p>08:00</p>	


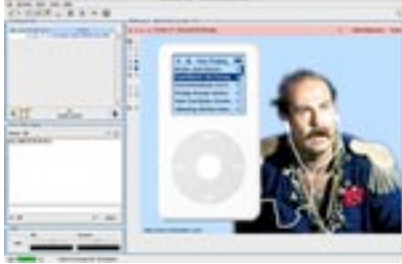


	<ul style="list-style-type: none"> ▪ So how do we gaze into the future? ▪ I will be throwing a lot of web resources at you, but do not worry about scribbling them down as they are provided at the end of the show.
<p>08:15</p>	
	<ul style="list-style-type: none"> ▪ Science fiction writer William Gibson created this often quoted line about the future. ▪ While it is clever, I think it definitely applies to technology. ▪ So let's see if we can find this not widely distributed future
<p>09:00</p>	
	<ul style="list-style-type: none"> ▪ The future does not indicate itself by large You Are Here billboards...
	<ul style="list-style-type: none"> ▪ And while you may see accurate road signs, do they make sense? What is the context?
	<ul style="list-style-type: none"> ▪ Even if we had accurate signs for the future, there would be many obstacles along the way

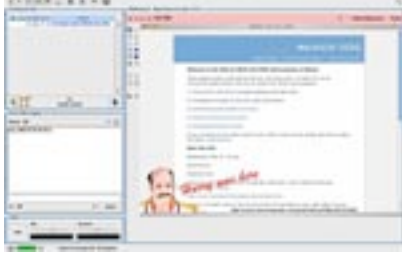



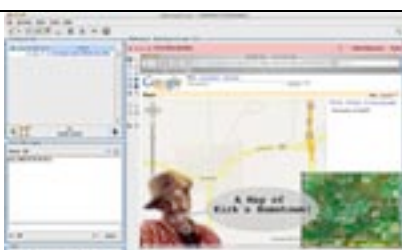
	<ul style="list-style-type: none"> ▪ If we go back to the early 1990s, the prime example of a not widely distributed future was the graphical web browser ▪ Who here was using Mosaic in 1993? ▪ What might be the equivalent of the web today? What technologies might follow a similar path? What will not?
<p>11:00</p>	
	<ul style="list-style-type: none"> ▪ Wired magazine and web site is one of my favorite sources for peeks of the future
	<ul style="list-style-type: none"> ▪ So as a model for a few futuristic wonderings, I am using their “Wired-Tired-Expired” feature ▪ Basically it helps point out things that are out (Expired), on their way (Tired), and ones to look for (Wired) <i>explain top example</i>
<p>13:00</p>	
	<ul style="list-style-type: none"> ▪ So let's start with communication ▪ Expired is calling me on the phone ▪ Tired is sending me email (is anyone not getting enough email?) ▪ And Text messaging is wired. How many use instant messaging?
<p>14:00</p>	
	<ul style="list-style-type: none"> ▪ But the messaging future plays itself out on cell phones, as it is a technology we always have, is always on... ▪ But with limited space, there is no room for being verbose. ▪ Now this message may be hard to decipher since it is Italian ▪ But there is a different dialect in the land of TXT
<p>15:00</p>	

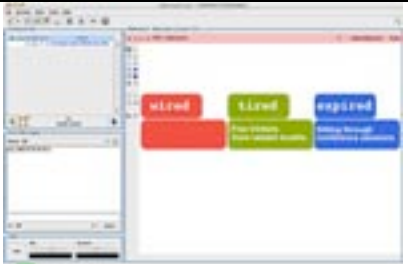

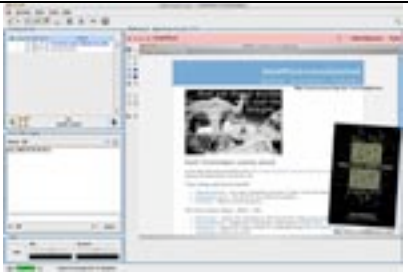

	<ul style="list-style-type: none"> ▪ So if you are curious about the lingo, this web site allows you to translate common sentences into text equivalents and the reverse ▪ So what is Harry texting here?
	<ul style="list-style-type: none"> ▪ So let's see how well you play the Wired-Tired-Expired game... ▪ Along the same lines, phones are passé, and cell phones are ordinary... what do you think is wired? ▪ <i>Reveal wired.....</i> ▪ Who here has heard of Skype?
<p>16:00</p>	
	<ul style="list-style-type: none"> ▪ Skype is a free software and service that allows you to have a 2 way audio conversation with any other Skype user on the net- free long distance! ▪ So like instant messaging, Harry here has his list of contacts, you see their status, and he can "Call" anyone to talk. ▪ Sure it is novel to be able to talk for free with friends anywhere, but think more about the possibilities for pen pals, interviews, intercultural exchange...
<p>18:00</p>	
	<ul style="list-style-type: none"> ▪ So let's look at photography... What might be wired? ▪ Sure a 3 Megapixel digital camera is not such an exotic thing, (<i>reveal</i>)... what happens when digital photography joins that miniature technology device many of us carry everywhere?
<p>19:00</p>	
	<ul style="list-style-type: none"> ▪ Yes, Harry, I covered this topic last year at TCC, so check out this archived presentation later to learn about tools for posting digital photos online and creating shared spaces based on photos.

	<ul style="list-style-type: none"> ▪ And there are fascinating social aspects of a technology that people carry with them. ▪ This story goes back to the 2002 World Cup Soccer match played in both Japan and Korea. In Japan, when the team won, the stadium was filled with the flashes of cameras going off. ▪ In Korea, where cell phone usage is pervasive, there was a dominance of phone cameras pulled out... and not just for soccer matches, but events such as their presidential impeachment ▪ Example of “Smart Mobs” defined by Howard Rheingold as when communication and pervasive commuting tools are used by large numbers of people.
	<ul style="list-style-type: none"> ▪ So continuing to look at photography (Will Kodak be able to adapt in time?), what is the wired method for sharing photos? ▪ <i>Reveal flickr</i>
<p>21:00</p>	
	<ul style="list-style-type: none"> ▪ There are so many interesting aspects of flickr that it is a presentation in itself. ▪ Flickr allows Harry to create a free account, upload digital images, and organize them like a blog along with comments enabled ▪ He can create slide shows, shared with a link ▪ But the amazing piece of the action is that Harry is able to easily organize his photos as he sees fit by applying his own free form key word “tags” ▪ So it’s one thing for Harry to have tags to associate all his images of “robots”, but flickr is a social tool, so you can expand that to look at all flickr users for all photos tagged the same. ▪ Flickr is wired for its easy interface, social connection tools, and its open APIs that allow external people to create their own interactive tools that tap into flickr content. ▪ Flickr demo <ul style="list-style-type: none"> ○ Tags ○ Hotspots ○ Groups (squared circle) ○ Syndication
<p>29:00</p>	


	<ul style="list-style-type: none"> ▪ So let's talk about music... Music is often on the leading edge of "Wired-ness" ▪ <i>Reveal iPod</i>
	<ul style="list-style-type: none"> ▪ The iPod is Wired for many reasons, just look around at how many "Pod People" you see ▪ Who has an iPod? ▪ It does what it does well, simple interface, and clear function ▪ And while some people are leaping to the prediction that a videoPod will do the same, I am less sure. Why? The iPod works well because it allows us to enjoy our music while we are doing other things- it allows us to access content efficiently. We do not do that with video- video requires our full attention, and it is not as simple a device.
<p>31:00</p>	
	<ul style="list-style-type: none"> ▪ So what is wired with video? ▪ Now DVDs are not really expired, but I needed something to put in the column! ▪ <i>Reveal BitTorrent</i> ▪ BitTorrent offers a unique way of downloading and peer-to-peer sharing of large file content...
	<ul style="list-style-type: none"> ▪ It's a radical shift on how content is downloaded. The old model is to download from a single source, a one to many delivery. ▪ When a torrent is requested, a message goes out to find where it is stored elsewhere on the net, and pieces are downloaded from multiple sources. And by downloading a piece of content, you agree to be a provider when someone else requests it. ▪ The more popular an item is, the faster it can download! ▪ Now put aside the fears and squirming of the record companies, this all need not be pirated content. Many sites are available that provide torrents only to public domain or freely licensed content. ▪ Think about this as a distribution model for digital storytelling???
<p>34:00</p>	


	<ul style="list-style-type: none"> ▪ So a classroom lecture expired about a hundred years ago, and a streaming video of a lecture is not really much of an evolutionary step, so what might be wired? ▪ <i>Reveal podcast</i> ▪ Who has listened to podcasts? ▪ In a nutshell, podcast uses existing, free technology to subscribe to sources that regularly publish audio content, and podcast software automatically downloads new content when it is published, and can move it to your Mp3 player ▪ The important thing about podcasting is that it allows you to shift in time and place your access to audio content
<p>35:30</p> 	<ul style="list-style-type: none"> ▪ Frankly, for learning, the first thing educators leap to is podcasting lectures—while providing course content via audio is viable, there are other ways that we can see this going ▪ There are out of class valuable resources from NPR, BBC, CBC ▪ Students can record audio reflections for eportfolio ▪ Record audio presentations. ▪ A great tool to use to capture content for digital; storytelling. ▪ Use for doing interviews for projects (and pair with Skype for audio interviews over the net)
<p>38:00</p> 	<ul style="list-style-type: none"> ▪ Fascinating example from a Penn State professor (thanks to Michael Feldstein for sharing) ▪ Students required discussion board posts in Angel are digitized and downloaded to his iPod ▪ While listening, he uses the built in 5 star rating to provide a one click assessment ▪ When the iPod is synced, the scores are uploaded, and then fed to the CMS. ▪ Wow! Is that wired or what?
<p>39:00</p> 	<ul style="list-style-type: none"> ▪ And where is course content going? ▪ The purchased package of Xerox prints are expired, and a Course Management System... well, I am tired of them. ▪ <i>Reveal wiki</i> ▪ But wikis present a wired new twist on content (not suggesting they replace a CMS, but a different way of participating in content).

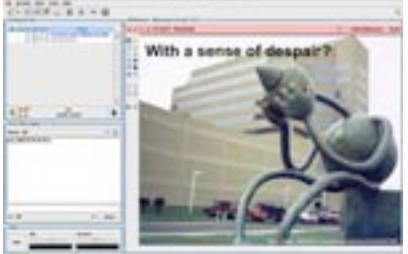
	<ul style="list-style-type: none"> ▪ A wiki provides a web site that anybody else can edit... The first time I heard that, my reaction may have been similar to yours, “That’s the stupidest thing I ever heard of!” ▪ But wikis do work, but you really do not understand it until you have a successful wiki experience. ▪ They work as places for brainstorming, building resource collections, drafting outlines for projects, and the most celebrated example, an encyclopedia that has pushed Britannica way off the expired edge. ▪ Here is an example of class wiki from University of British Columbia where students post reflections on class speakers, coordinate required site visits, post results of group projects.
<p>41:00</p>	
	<ul style="list-style-type: none"> ▪ Let’s look at where we get information in our field. ▪ I am no longer on any email listservs. They are inefficient and I get much less signal to noise. What is the wired way? ▪ <i>Reveal RSS</i> ▪ RSS provides a way to collect the latest information from a wide variety of sources you select, and brings it into one place where you can quickly scan
<p>42:00</p>	
	<ul style="list-style-type: none"> ▪ My RSS aggregator software provides a one interface where I can monitor almost 100 different web sites. ▪ There is no way I would visit 100 sites on a regular basis, but I check my reader a few times each day to get the latest ideas from weblogs and other news sources. ▪ Quick demo
<p>45:00</p>	
	<ul style="list-style-type: none"> ▪ Maps are changing quickly too, and not just because of politics. ▪ MapQuest was in the wired column until a few weeks ago... what do you think replaced it? ▪ Reveal <i>Google Maps</i> ▪
	<ul style="list-style-type: none"> ▪ One of the most amazing and elegant interfaces! Enter a city or an address, and it provides a map (no big deal). So here Harry is searching for the birth place of James T Kirk, purported to be Riverside Iowa ▪ The street map can be zoom and panned without reloading a web request. ▪ With a click, the same map is swapped out for

	<p>satellite images of the same seen!</p> <ul style="list-style-type: none"> ▪
<p>48:00</p> 	<ul style="list-style-type: none"> ▪ Finally, our professional conference formats have been expired for a long time- the 50 minute lecture format has got to go. ▪ <i>Reveal TCC 2005</i> ▪ TCC is definitely w wired way for sharing, collaborating—we're all wired!
<p>49:00</p> 	<ul style="list-style-type: none"> ▪ So for people who feel overloaded, how do you keep up, find the stuff? ▪ It's my full time job and I feel the same way ▪ The web resources I will share at the end of the presentation include my main resources, and since it is a wiki, you will be able to add to it. ▪ Mention a few sites? <ul style="list-style-type: none"> ○ Gadget / Tech sites ○ Multi Blogs (many to Many, Metafilter) ○ Bryan Alexander ○ Stephen Downes
<p>50:00</p> 	<ul style="list-style-type: none"> ▪ A common thread to the topics I mentioned is an evolution of discrete communication and technology tools that can be “loosely” joined (and unjoined). ▪ Stealing a metaphor from David Weinberger's excellent book on internet culture, <i>Small Pieces Loosely Joined</i>, at last year's New Media Consortium conference, my Canadian colleagues and I proposed an approach we called “Small technologies Loosely Joined”—using blogs, wikis, chat in a mix to collaborate, and move information between these tools via things such as RSS
<p>52:00</p> 	<ul style="list-style-type: none"> ▪ And this “re-mix” culture was predicted back when Apple released the first iMac. ▪ The “Rip Mix Burn” advertisements give the Music industry the shivers, but it speaks strongly about the future of content. In a recent presentation Clay Shirkey said that “we like the product from the record companies, but we hate how it is packaged!” ▪ Think about your average shrinkwrapped CD- you are lucky if there are maybe 4 songs out of 15 you really like ▪ The iMacs provided consumers the ability to insert an audio CD, to digitize just the songs you choose, to mix up the songs of different artists, and to burn a CD as something new.

	<ul style="list-style-type: none"> ▪ Their TV ad has a metaphor for education now. In the commercial, a young man sits alone in an auditorium, and on stage are all of his favorite musicians from different genres. ▪ He points to different ones to request specific songs, such as Barry White for a love song. ▪ Think about the control, the packaging, the choices provided to this young man ▪ What if these were not musicians, but the top educational content from around the world? Would a student want to Rip. Mix. Learn?
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<p>54:00</p> 	<ul style="list-style-type: none"> ▪ My grand prediction is a radical shift in the way we use, mix, re-use content. ▪ Technologies available now, flickr, del.icio.us, technorati, music list sharing, are Gibson's not widely distributed future. ▪ And projects like MIT's open courseware project, the Sofia project for community college are providing free course content. Creative Commons gives as a clear way to navigate what can be re-used or not. The WikiPedia (and its clones- WikiTravel, WikiBooks, WikiQuotes) provide a radical new model for building and sharing content. The new "OurMedia" is aiming to provide a free platform for storing and sharing any kind of media content. ▪ It is a ReMix future.
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