

Here are the notes I took:

- **“We are asked to go to different locations”** – parallel: think about testing on different computer platforms
- **“Look up, not just straight ahead”** – parallel: change your perspective when thinking of software tests to run
- **“Look in the garbage // we go into toilets quite a bit”** – parallel: software bugs could reside in places we don’t associate with normally having problems
- **“Proper documentation with photos”** – parallel: we often document our tests and report our findings with screenshots
- **“Can’t be afraid of heights”** – parallel: can’t be afraid of testing on new platforms
- **“Sometimes you have to match the bullet even though the crime is “solved”** – parallel: even though you have found the bug, there may be another cause
- **“Crime scenes might have CS gas residue”** – parallel: “we may be digging in an area that complicates our ability to find bugs”
- **Tools: reflective UV imaging screen, forensic stepping plates, sifting screens** – parallel: we have special tools as well (inControl, log file tracing, LoadRunner)
- **“We must gather, document, and demonstrate in court that we did everything possible”** – parallel: software projects have “bug juries” that we are often called in to testify in front of to make our case
- **“We study different disciplines: entomology, odontology, etc** – parallel: we also study different domains... cognitive psychology for usability, brain physiology, and Crime Scene Investigation!
- **“Everybody’s interested in coming in and going right to the dead body”** – parallel: We go right for the features that attract us or that are easy to test
- **“Detectives should cut their own path to an outside crime scene”** – parallel: there is more than one way to reproduce or find a software bug
- **“You get to the scene, are briefed in an initial walkthrough”** – parallel: we have client kick-off meetings that tell us what to focus on and where bugs may likely be hiding
- **“Footwear impressions and fingerprints are there whether we see them or not”** – parallel: same is true for software defects... they are almost always hidden
- **“Sometimes you’re concerned about the floor, but can’t deal with it then and there”** – parallel: bugs mask other bugs... we’re concerned about one feature but may not have time to test it right then
- **“Take photos with scale and without scale”** – parallel: when filing a bug, think about its impact not just to the user but on other programs on the system
- **“Juries expect a lot more, so in some cases, we have to entertain (re: animation) as well as inform”** – parallel: sometimes filing a bug is not enough, we have to be an advocate for what we find
- **“Defense attorneys could discount elements of our case, so we have to be thorough and careful”** – parallel: same is true when we deal with programmers – we have to anticipate scrutiny
- **Photogrammetry – series of digital photographs in succession** – parallel: we have mouse click and keystroke recording tools to document the repro of bugs
- **Talked about how a boyfriend / girlfriend got into a fight and then violence happened...** -- parallel: we develop user stories and scenarios to test for bug pathologies in software
- **“We can’t say ‘this is what happened’, but we can give a logical range of possibilities”** – parallel: we’re not always sure what the fault is, but we can suggest possibilities
- **Projectiles go through glass and leave different signatures** – parallel: same is true for bugs... programs leave different signatures on how they use memory or install files
- **“We have to do presumptive tests sometimes (like the bullet through rubber)”** – parallel – we also have to check our basic perceptions to make sure that a bug is really what we think it is

- **“We take ‘elimination fingerprints’ to rule out different suspects”** – parallel: we do follow-up tests or peripheral tests to rule out other causes
- **“Keep an open mind... don’t make your evidence fit your theory”** – parallel: be mindful of your biases... don’t be fooled into thinking that this is a bug you’ve seen before
- **“There is a high cost for processing evidence... homicides get priority”** – parallel: there is a cost to doing tests... high risk features that lead to crash, hang or data loss get priority
- **“Temporal evidence: fingerprints can last a long time...might have been there from months before”** – parallel: this is the Primacy Bias... a bug might have started weeks ago and shown itself now
- **Harris vs United States, 1947: Only human failure to find it, study and understand it, can diminish its value** – parallel: exactly the same for software testing
- **“Two heads are better than 1”** – parallel: paired testing, “fresh eyes find bugs”
- **Staff: Team Lead, Sketch preparer, Photographer, Recorder, Specialists** – parallel: Team Lead, Recording Tools, Subject Matter Experts