

Lecture 20 Outline

June 2, 2016

Reading: *text*, 18; [BBG07,BW07,RAB04]

Assignments due: Homework 5, on June 6

1. Greetings and felicitations!
 2. Assurance and the software life cycle
 3. Goals of voting
 - a. Accuracy of count
 - b. Integrity of ballot
 - c. Privacy of voter (both from vote selling and from observation)
 - d. Other requirements
 4. Overview of process in Yolo County
 5. Where electronic voting systems come in; how they work
 - a. Optical scanning systems
 - b. Ballot marking devices
 - c. Direct recording electronic devices
 - d. Vote tabulation servers
 6. Safeguards
 - a. 1% mandatory manual recount
 - b. Voter-verified paper audit trails
 - c. Certification and testing
 7. The U. S. and California certification process
 - a. HAVA
 - b. FEC certification guidelines
 - c. State rules and tests
 8. Tests and problems
 - a. Johns Hopkins paper
 - b. RABA study
 - c. California top-to-bottom review
 9. Internet voting
 10. Review for final
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Discussion Problem. To help you build confidence for the final exam, here is the world's easiest test.¹ Good luck!

1. How long did the Hundred Years War last?
2. In which country are Panama hats made?
3. Where does catgut come from?
4. What is a camel's hair brush made of?
5. What kind of creatures were the Canary Isles named after?
6. What was King George VI's first name?
7. What color is a purple finch?

¹I first saw this in a posting by Peter Langston to the YUCKS Digest.

Discussion Problem. To help you build confidence for the final exam, here is the world's easiest test.² Good luck!

1. How long did the Hundred Years War last? *116 years (from 1337 to 1453).*
2. In which country are Panama hats made? *Ecuador.*
3. Where does catgut come from? *From sheep and horses.*
4. What is a camel's hair brush made of? *Squirrel fur.*
5. What kind of creatures were the Canary Isles named after? *A large breed of dogs. The Latin name was Insularia Canaria — "Island of Dogs".*
6. What was King George VI's first name? *Albert. When he came to the throne in 1936, he respected the wish of Queen Victoria that no future king should be called Albert.*
7. What color is a purple finch? *The distinctively colored parts are crimson.*

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