Lecture 28, June 5

Reading: [BBG07,Bis07b,BW07,RAB04]  
Assignments due: Homework #5, due June 6, 2013 at 11:55pm  
Final exam: Tuesday, June 11, 2013 10:30am–12:30pm  
Project report, due June 6, 2013 at 11:55pm

Discussion Problem. To help you build confidence for the final exam, here is the world’s easiest test. 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?

Lecture outline.

1. Greetings and Felicitations!
   a. Review session: Friday, June 7, at 11:00am–12:00pm in room 184 Young (this room!)
   b. Special office hours: Friday, June 7, at 1:00pm–2:30pm; Monday, June 10, from 9:30am–11:00am
2. Assurance
   a. 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. Auditability
   e. Usability, both by voters and by election staff
   f. 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. L&A testing before distribution
   b. 1% mandatory manual recount
   c. Voter-verified paper audit trails
   d. 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. Florida CD-13 election
   d. California top-to-bottom review
9. Internet voting

1 Available in the Resources area of SmartSite; look in the folder “Handouts”
2 I first saw this in a posting by Peter Langston to the YUCKS Digest.