Subjects are shown in blue, 文法上動詞 in red, and 意義上動詞 in green.
同時是文法上及意義上動詞亦以紅色顯示。

Election Integrity Organizations, Leaders Urge States to Plan for Emergency Paper Ballots, Procedures for November Election
U.S Newswire (10/13/06)

Letters were sent out on Friday to all 50 governors, secretaries of state, and directors of elections, asking that they provide emergency paper ballots for the upcoming general election and for these to count as regular, not provisional, ballots. Over 50 election integrity groups and individuals including Robert F. Kenney Jr., Sen. John Kerry, Rep. Rush Holt, Leon County, Florida election supervisor Ion Sancho, and computer scientist Doug Jones signed the letter. The call for paper ballots is a response to the primaries when many electronic voting machines, which will be used by 80 percent of voters in the upcoming election, malfunctioned and voters were given provisional ballots that may not have been counted or even sent home. Brad Friedman, investigative journalist and co-founder of velvetrevolution.us says, "No legally registered voter should ever be sent away from the polls without being able to cast their vote. With these new electronic voting machines failing across the country, it's just common sense to make sure there are back-up plans and procedures in place." Congress recently failed to pass a bill that would have reimbursed states for the cost of emergency paper ballots. Maryland Republican Gov. Robert Erlich has called for statewide paper ballots after the problems during the primaries.

How to Say 'Don't Shoot' in Iraq
InternetNews.com (10/13/06) Hickins, Michael

IBM has developed a translation system that allows U.S. forces to speak directly to Iraqis in plain, conversational language. The system, dubbed the Multilingual Automatic Speech-to-Speech Translator (MASTOR), will be loaded onto laptops and consists of two microphones. Users speak into one of the microphones to have their voice translated by the computer using algorithms that take into account pitch, dialect, and health or emotional status, and then said aloud in the language of the other person they are speaking with. MASTOR also creates a textual account of conversations. Previous speech-to-speech technology required the use of set phrases, but MASTOR

is able to process any speech and figure out what is meant and convey the meaning. "This is not a weapon. The world has been divided and had so much conflict, and so much of that has been because of language barriers," says Yuqing Gao, manager of the speech recognition and understanding research group at IBM Research. MASTOR is able to translate a vocabulary of over 50,000 English words and 100,000 Iraqi Arabic words. MASTOR is part of the Defense Advanced Research Projects Agency's (DARPA) Spoken Language Communication and Translation System for Tactical Use (TRANSTAC). The technology is a response to the limited supply of military linguists, and is available in English to Modern Standard Arabic, and English to Mandarin Chinese.

Safe Internet Requires Total Network Security, Prof. Says
Wisconsin Technology Network (10/11/06) Plas, Joe Vanden

As Internet security threats change from being recognition-driven to being profit-driven, entire networks must be secured. Those writing malicious code are becoming increasingly motivated and innovative. "It is very clear now that there are people who are making a lot of money by malicious activity, that organized crime is getting involved in malicious activity, and this represents a very, very serious development from the standpoint that it also means that the bad guys are getting much more organized and focused in their activities," says Paul Barford, assistant professor in the University of Wisconsin-Madison Department of Computer Sciences and the school's Advance Internet Laboratory. With hacking software becoming increasingly easier to use for less-than-professionals, businesses must change their approach to security. Simply using firewalls and security software is no longer enough, even with such products becoming more automated and easier to use. What is needed to combat the rising threat is a combination of security that is present at all levels, placing barrier after barrier in the way of potential hackers, says security architect Mark Hartmann. "It's security in depth. Every device has its own role to play in security, from a laptop, to the network, to your firewall, to your applications," Hartmann says. At the Advanced Internet Laboratory, Barford leads a research team working on various projects that could lead to an improved Internet that can defend itself against attacks. The group's DOMINO project is focused on intrusion detection and monitoring, while the Global Environment for Network Innovations (GENI) project is tracking malicious activity. Barford says that "right now we have a significant lack of

deployment of security in networks, and as we move forward with deploying the latest technology in networks, the wholistic approach to security is something that's really going to solve a lot of problems."

SC06 Announces HPC Analytics Challenge Finalists
Business Wire (10/10/06)

This year's HPC Analytics Challenge has been whittled down to three finalists to demonstrate cutting-edge data analysis techniques that can be used to solve difficult, real-world problems. Researchers from Carnegie Mellon University, the University of California, Davis, the University of Texas at Austin, and the Pittsburgh Supercomputing Center will show a 1,024-processsor simulation of an earthquake in real time and on the fly from a remote laptop computer. A team from Osaka University, Japan's National Institute of Information and Communications Technology, Osaka University Dental Hospital, and the National Center for Microscopy and Imaging Research at the University of California, San Diego, will present an E-science infrastructure that can be used to gather speech sound from computer speech simulations. And researchers from the Pacific Northwest National Laboratory will show an end-to-end solution for turning biological data into knowledge for applications in minutes. The SC06 Analytics Challenge will take place Tuesday, Nov. 14, during the SC2006 international conference. ACM and IEEE are sponsoring the supercomputer conference, which is scheduled for Nov. 11-17, 2006, in Tampa. "The response to this year's challenge has been fantastic, with interest from all over the globe, and in eight distinct areas of technology," says Paul Fussell, co-chair of the SC06 Analytics Challenge. "The diversity and quality of the finalist submissions reflects what we have seen throughout the Challenge: every entry was noteworthy." For more information about SC06, or to register, visit http://www.sc-conference.org/