

SELF AUDITING VERIFIED ELECTION SYSTEM

The Basics of Double-Entry Votekeeping

Presently, there is no vote counting system in use in the United States which has any built in error detection. Mistakes, which are very common, often slip by and when occasionally caught, it is by chance rather than design. Additionally, even when known, errors are seldom fixed since the entire system tends stifle recounts, corrections, and audits. Flawed elections are frequently certified and the will of the people is not known.

This can be easily rectified by adopting the tried and true daily practice of the business world - Double-entry bookkeeping. It is an essential premise of accounting and is the main method by which accounting errors are detected and can be easily adapted and quickly implemented for vote counting.

This paper presents a possible implementation that is fast, transparent, uses existing technology, is less costly than the present systems, non-proprietary, and certainly more accurate as there are always two different vote tallies that are compared. Errors are known and corrected immediately before results are reported and well before certification.

Rather than correcting errors, **this system prevent errors.**

PRESIDENT	Theodore Roosevelt
SENATE	Thomas Jefferson
CONGRESS	Ayn Rand
GOVERNOR	Rachel Carson
SECRETARY OF STATE	Alexis De Tocqueville
STATE TREASURER	NONE
STATE SENATE	John Muir
STATE REPRESENTATIVE	Abraham Lincoln
Amendment A	NO
JUDGE ROY BEAN	Retain
JUDGE JUDY	ABSTAIN

STANDARDIZED BALLOTS

The key is that everything is based around a universal standardized ballot size and design. The ballot can be read universally - by hand, optical scanner, mechanical counter, hand scanner, and by any other non-proprietary system.

Parties and their respective candidates are color coded enabling easy sorting and immediate recognition of choices:

Constitution
Democratic
Green
Libertarian
Republican
Independent

Yes/No items and other binary choices are green for affirmative and red for negative:

Yes
No
Retain
Do Not Retain

Items where the voter abstains or does not want any of the choices is marked in black crossed-out text:

~~NONE~~
~~ABSTAIN~~

The ballot only shows the title of each race/issue and the particular color-coded choice of the voter. It can be adapted for voting methods such as range voting, approval, and instant runoff voting.

