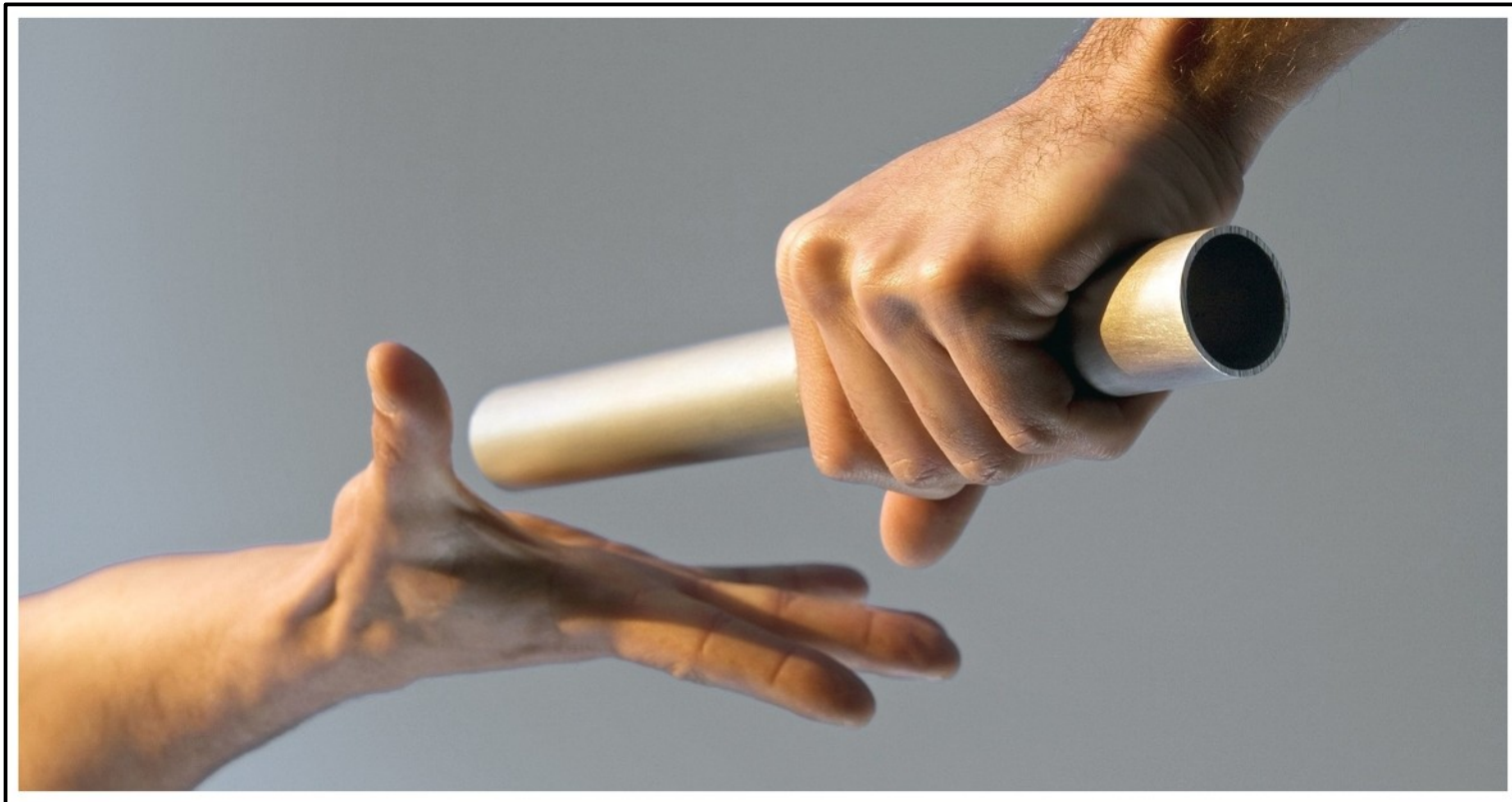


Analog Calculation & Democracy

a new challenge for the Old Thinking: reshape the future by transmitting the past



passing our knowledge against mindless use of computers

educational solutions

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Make Thinking Easier

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The modern world, with its landscape framed by skyscrapers, was designed with calculators conceived in the 17th century, but the youth ignore these instruments that anticipated our technology. This attitude has no future, something must be done.



This is my effort to preserve the memory of the analog and mechanical calculators, through exhibits and conferences where they can be tested by the public. With my free e-book *“Was There Life Before Computer?”* and my educational material, the teachers can illustrate the old computing instruments in their class.



In brief, my exhibits aim to:

- arouse curiosity about ancient calculators;
- illustrate their history and use;
- demonstrate the need to use computers critically.

Without memory the technology may become insane:
to build a better future we have to know our history.



The theoretic program

Nowadays calculations are delegated to electronic devices and the results uncritically read on the display, without any idea of how they are produced.

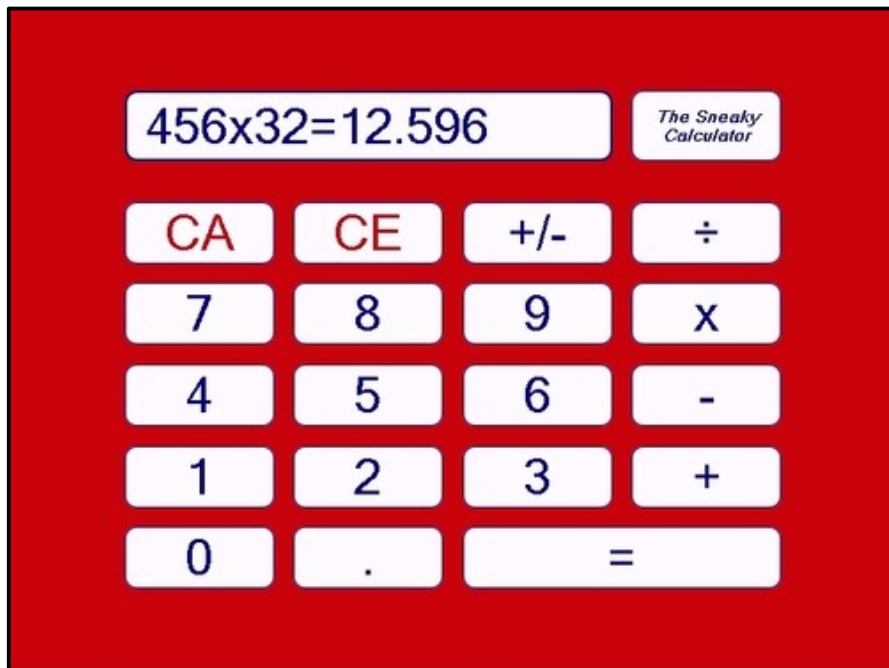


People punch numbers into a calculator and expect it to provide the correct answer: the *Art of Numeracy* is no longer practiced, the world before computers almost forgotten.

Now students learn mathematics while being illiterate about its history, which is a false start.

The old calculators do not provide direct results but just aid the operator, helping develop a mentality of review that extends to all aspects of living.

This result is wrong: in the past everybody would have noticed that **6x2 cannot give 6**. They was used to check, but today many believe without verify.



The correct answer is 14,592



Not everyone is used to check

The thinking that *“if an expert says it, then it must be true”* is the base of the Authority Principle, which leads to mental slavery and makes us vulnerable.

Not by chance was democracy born in Greece: scientific thinking and an open mind are not a natural product of evolution, but must be cultivated steadily.

A simple lesson about traditional calculation may help:

a rational mind produces better decisions, better citizens and a better world.



I think teaching mathematics without teaching how calculations were made in the past is useless. This would be like to teaching history only from 1970.

For this reason is essential my course where teachers can learn about the old calculators: is their duty to transmit their history to the next generations.

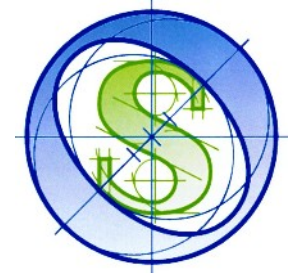


Conclusion



I hope my work will help to remember the old calculators and those who created the modern world *using* technology, not *depending* on it for survival.

Today, instead, we often use electronic aids as a drunkard relies on lamp posts: for support rather than illumination!



Download the program and the history of calculators from my website