



ICAO

UNITING AVIATION

# Regulation of Remote ATS

*Sharing experiences of regulating remote ATS*

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**RPAS and Remote ATS Symposium**

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# Problem statement

The extension of aerodrome control and aerodrome flight information service to remote locations may generate a need for specific standards, recommended practices and procedures.



# ATM Operations Panel (ATMOPSP)

- Global Air Navigation Plan (Aviation System Upgrade Block module B1-RATS)
- Task added to panel work programme
- Review ICAO provisions and update as necessary
- An expectation for broad, high level, performance-based provisions
- Support implementation
  
- Objective: Applicability date of November 2018

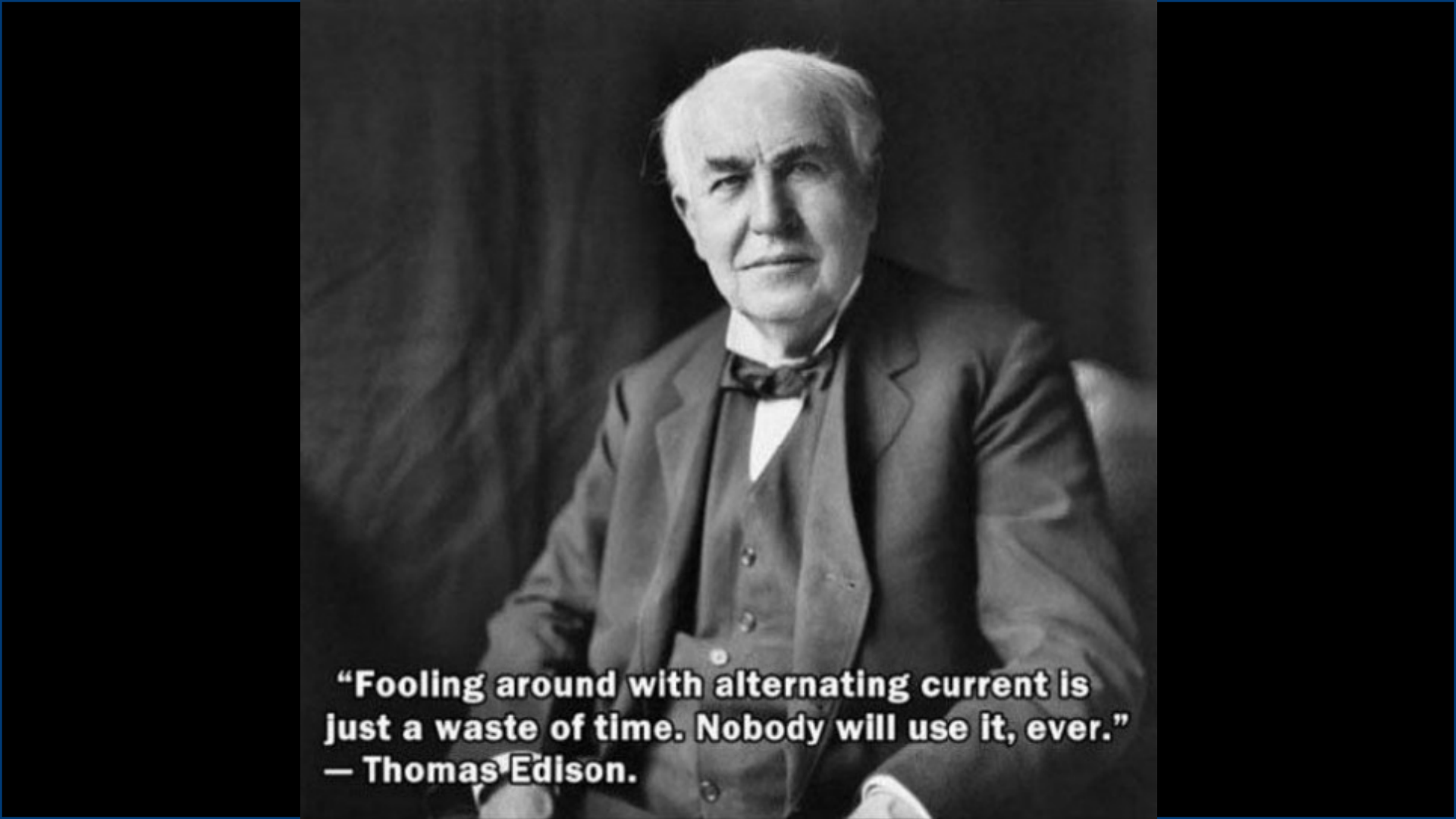
# SMART PEOPLE, DUMB PREDICTIONS



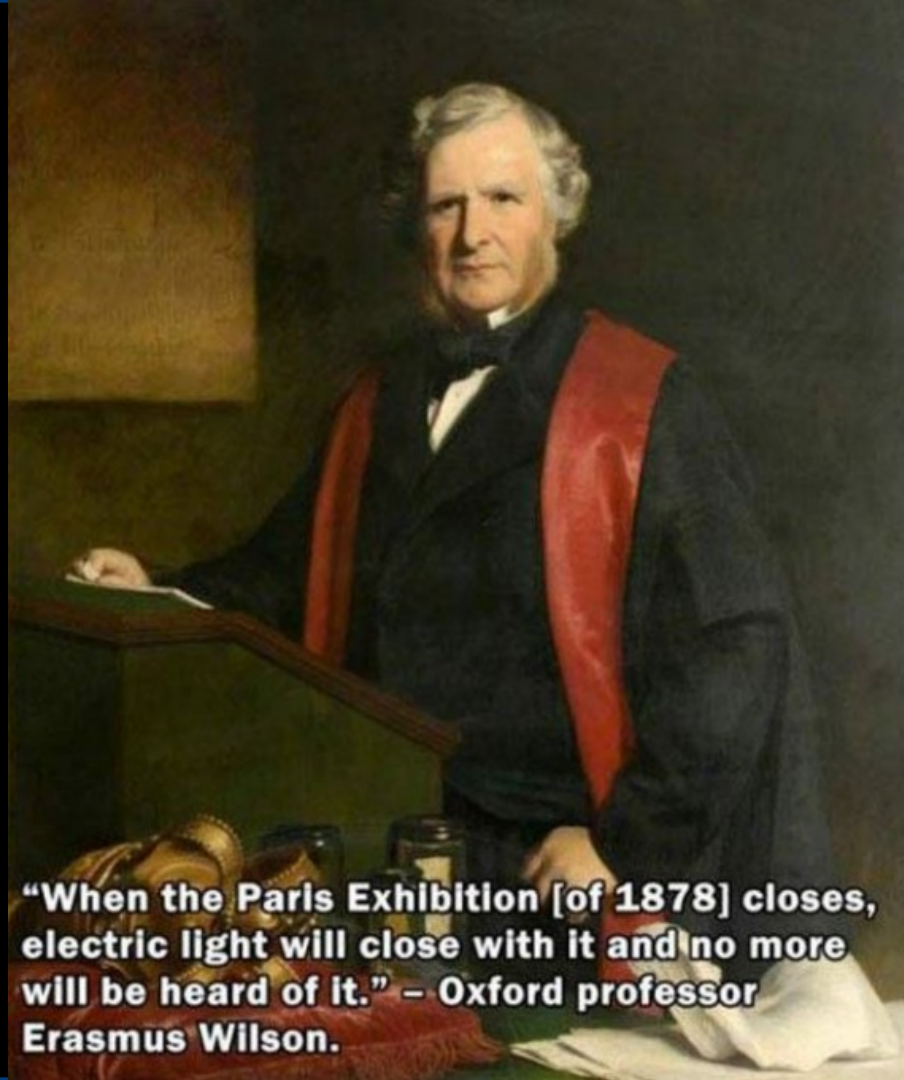
**“We will never make a 32 bit operating system.” — Bill Gates**



**“There will never be a bigger plane built.” — A Boeing engineer, after the first flight of the 247, a twin engine plane that holds ten people.**

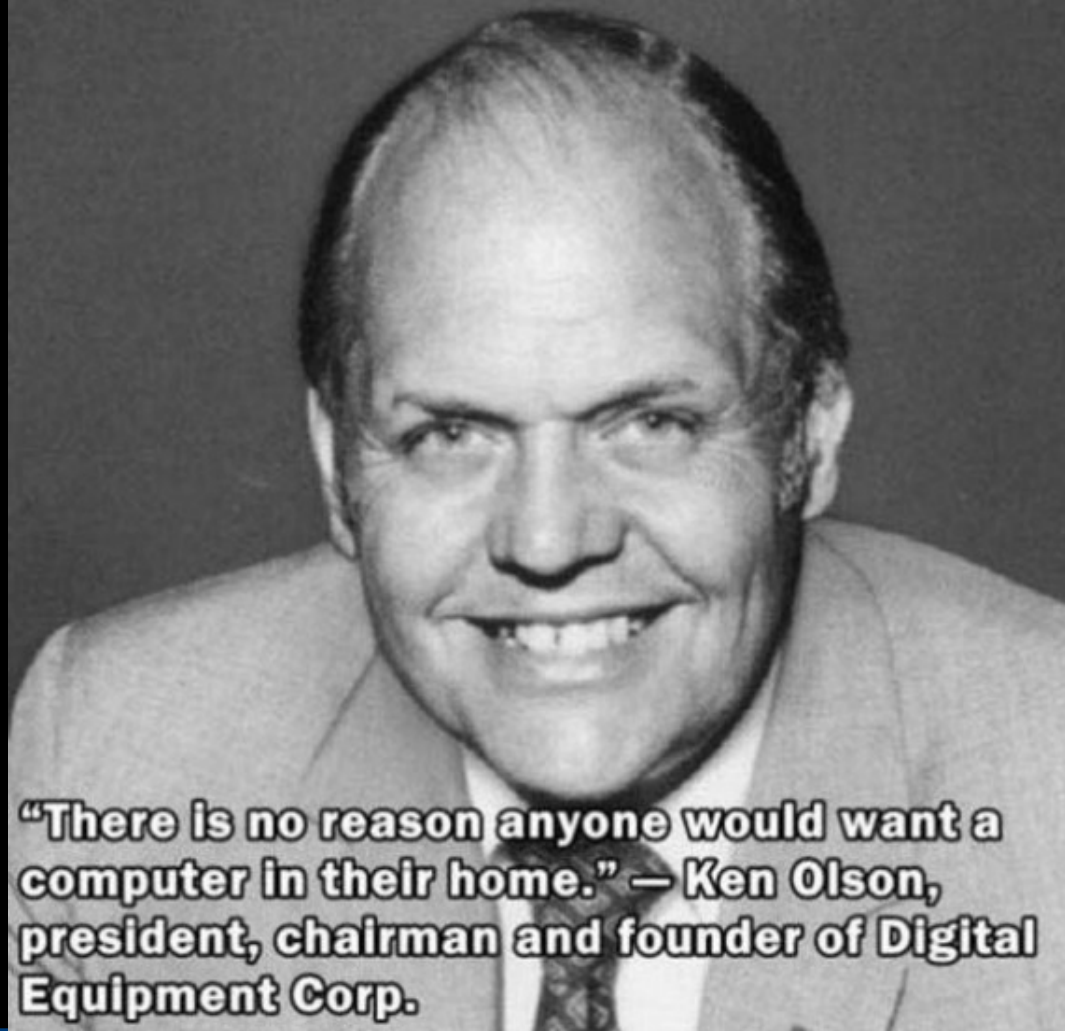
A black and white portrait of Thomas Edison, an elderly man with white hair, wearing a dark suit, a white shirt, and a dark bow tie. He is seated and looking directly at the camera with a serious expression. The background is dark and textured.

**“Fooling around with alternating current is just a waste of time. Nobody will use it, ever.”  
— Thomas Edison.**



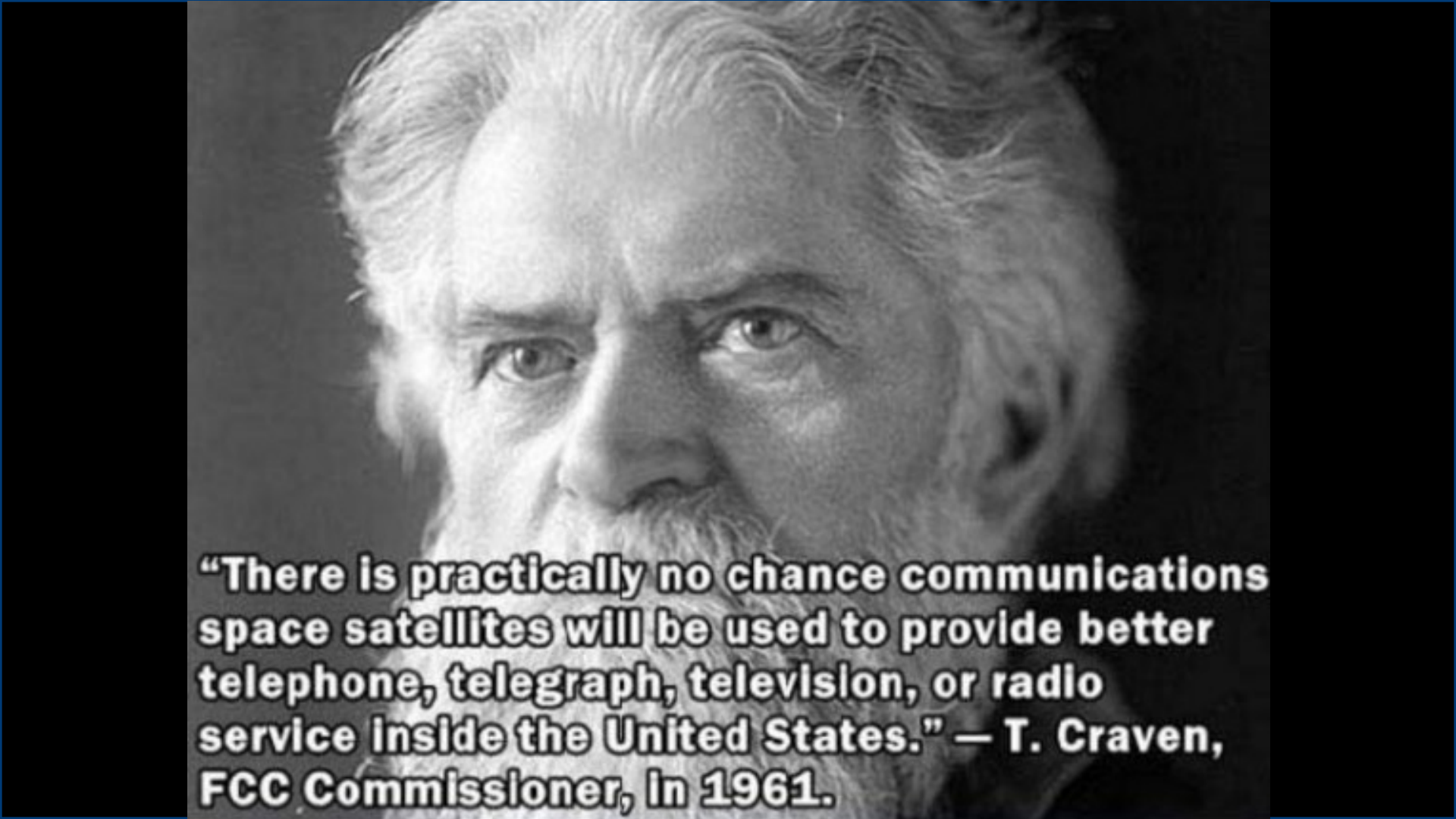
**“When the Paris Exhibition [of 1878] closes, electric light will close with it and no more will be heard of it.” – Oxford professor Erasmus Wilson.**



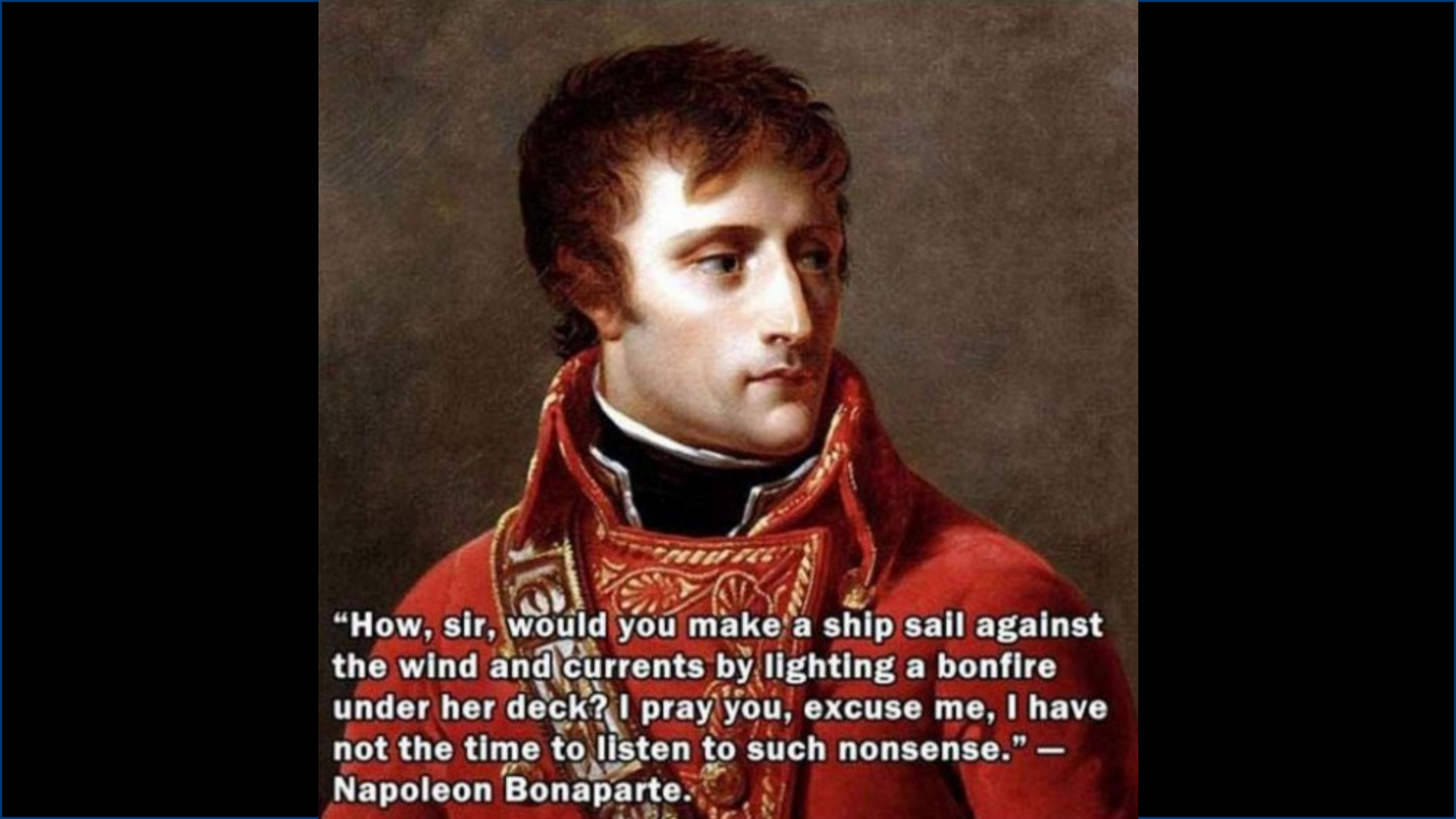


**“There is no reason anyone would want a computer in their home.” — Ken Olson, president, chairman and founder of Digital Equipment Corp.**




A black and white close-up portrait of an elderly man with white hair and a beard, looking slightly to the left. The background is dark. A white text box with a black border is overlaid on the bottom right of the image.

**“There is practically no chance communications space satellites will be used to provide better telephone, telegraph, television, or radio service inside the United States.” — T. Craven, FCC Commissioner, in 1961.**

A portrait of Napoleon Bonaparte, shown from the chest up. He is wearing a red military coat with gold embroidery on the collar and lapels. He has dark, wavy hair and is looking slightly to the right of the viewer with a serious expression. The background is a plain, dark greyish-brown color.

**“How, sir, would you make a ship sail against the wind and currents by lighting a bonfire under her deck? I pray you, excuse me, I have not the time to listen to such nonsense.” — Napoleon Bonaparte.**

A photograph of a rocket launch against a clear blue sky. The rocket is angled upwards, and a large, bright plume of fire and white smoke is visible at its base. The text is overlaid on the bottom half of the image.

**“A rocket will never be able to leave the Earth’s atmosphere.” — New York Times, 1936.**



**“The Americans have need of the telephone, but we do not. We have plenty of messenger boys.”  
— Sir William Preece.**



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THANK YOU