



Brad DeLong: 'Live long, & prosper!' @delong

8 Jun · 6 tweets · [delong/status/1402335093557927946](https://delong/status/1402335093557927946)

Tr



Fig. 2.

**DOCUMENT: Gordon Moore (1965): Cramming More Components onto ...**

With unit cost falling as the number of components per circuit rises, by 1975 economics may dictate squeezing as many as 65 000 components on a single silicon chip. Integrated circuits will lead to s...

<https://bradelong.substack.com/p/document-gordon-moore-1965-cramming>

With unit cost falling as the number of components per circuit rises, by 1975 economics may dictate squeezing as many as 65 000 components on a single silicon chip... 1/

...Integrated circuits will lead to such wonders as home computers—or at least terminals connected to a central computer—automatic controls for automobiles, and personal portable communications equipment. The electronic wristwatch needs only a display to be feasible today... 2/

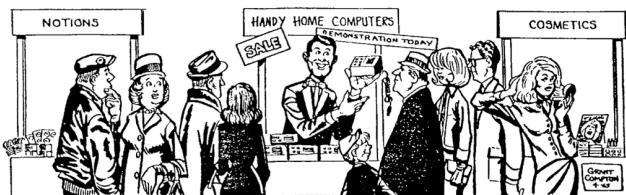


Fig. 2.

...But the biggest potential lies in the production of large systems. In telephone communications, integrated circuits in digital filters will separate channels on multiplex equipment. Integrated circuits will also switch telephone circuits and perform data processing... 3/

...Computers will be more powerful, and will be organized in completely different ways. For example, memories built of integrated electronics may be distributed throughout the machine instead of being concentrated in a central unit. In addition, the improved reliability... 4/

...made possible by integrated circuits will allow the construction of larger processing units. Machines similar to those in existence today will be built at lower costs and

with faster turn-around... 5/END

[@threadreaderapp #unroll](#)

• • •