

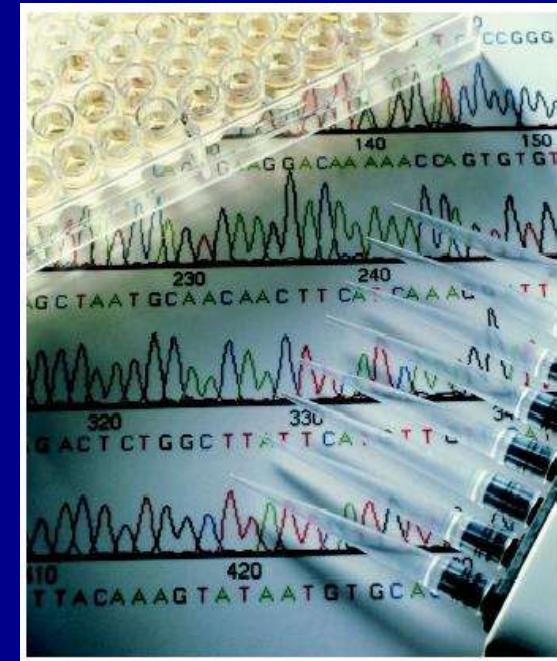


CBCIA 50th Anniversary UC Davis – the next 25 years

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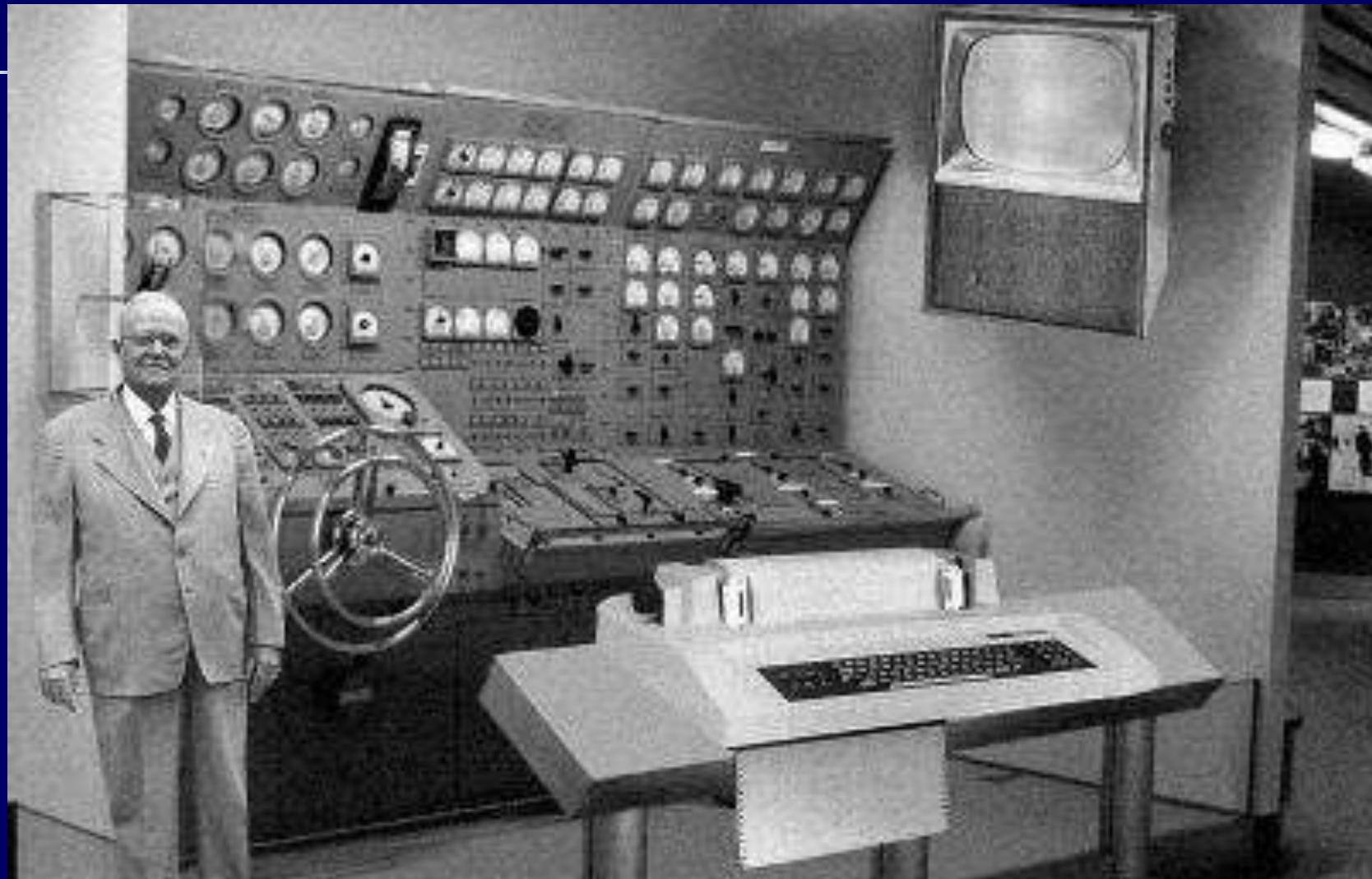
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<http://animalscience.ucdavis.edu/animalbiotech/>



"1954 version of what 'home computers' might look like in 50 years time (i.e. 2004)"





Wrong Expert Predictions

"I think there's a world market for about five computers"

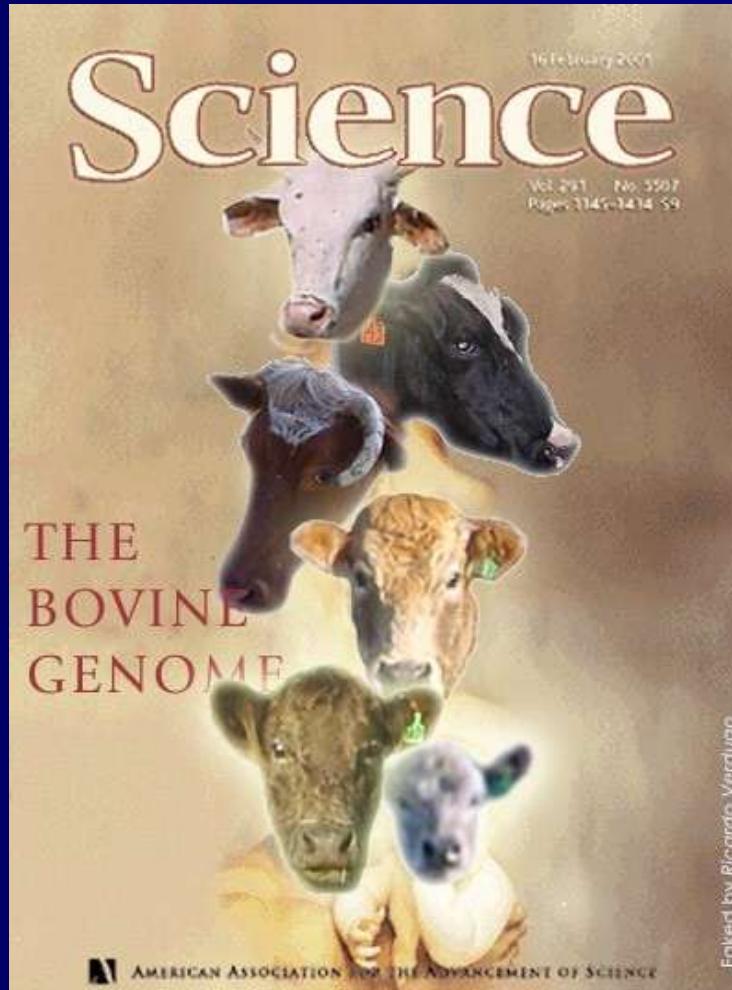
Thomas J. Watson, chairman of the board of IBM.
1943

"There is no reason anyone would want a computer in their home."

Ken Olson, president of Digital Equipment Corp. 1977



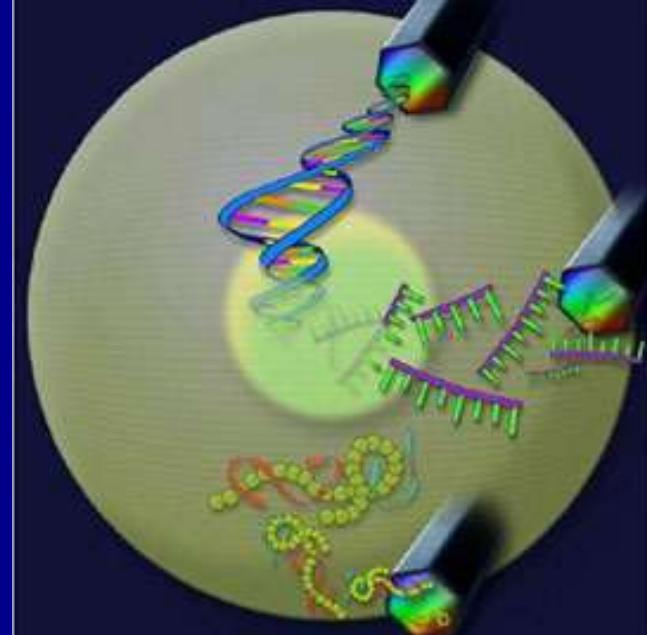
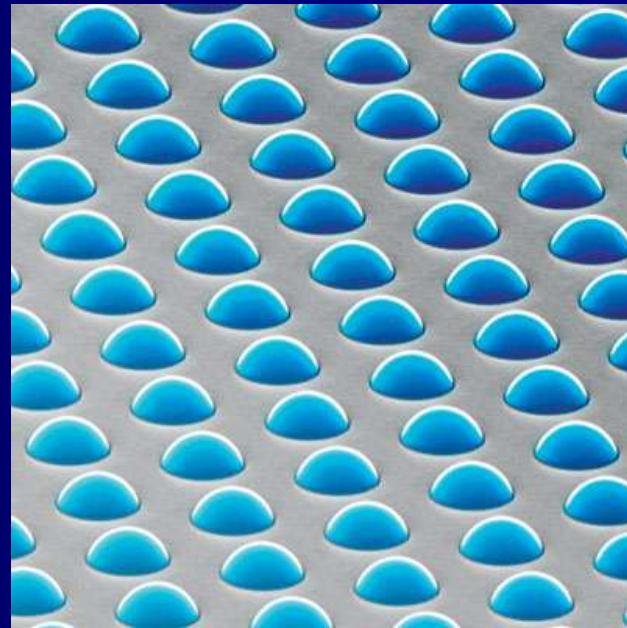
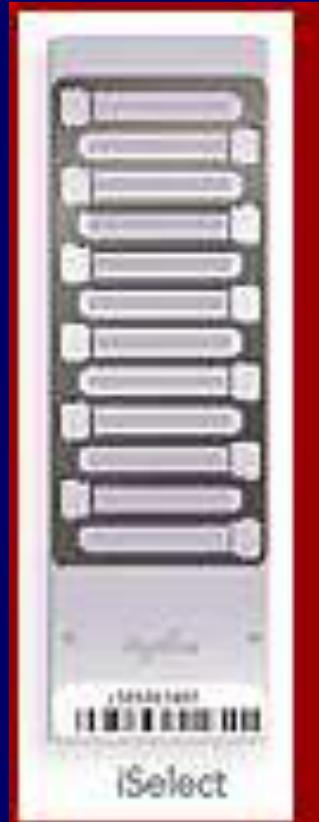
The Bovine Genome Sequence



The sequencing of the bovine genome allowed for a collaboration between MARC, BARC, UMC and UA to develop a set of 50,000 SNPs that are located throughout the entire genome



**12 samples can be run on 50,000 SNPs
for approximately \$200/sample!**





Whole genome-assisted selection (WGS)

- The use of these dense markers across the entire genome enables an estimation of the genetic merit of every chromosome fragment contributing variation in a population with phenotypic observations
- Can simultaneously test 50,000 markers
- Can be used to predict merit for all traits for which phenotyped populations exist



WGS effectively estimates an EPD for every chromosome fragment in the genome



Development of an Integrated Animal Identification and Tracking System





Sierra Cow-Calf Operation



DNA Tag too



UC Davis Feedlot Operation





Psion reader scans EID and carcass data is entered



KI-AIR200 with PSION
TEKLOGIX Workabout PRO





CBCIA educational symposium at CCA meeting – Reno 2007





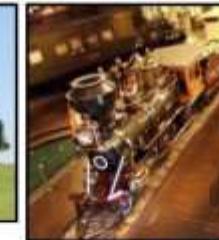
CBCIA to host BIF 2009!

Mark your calendars!

2009 Beef Improvement Federation Annual Research Symposium and Annual Meeting



Sacramento, California
April 30 – May 3, 2009



CALIFORNIA
BEEF RUSH '09

Wednesday April 29th
Thursday April 30th

Friday May 1st
Saturday May 2nd
Sunday May 3rd

Early Registration
Registration and Evening Reception
Eastern Tour "Foothill Bovines, Equines and Fine Wines"
Convention, Family/Spouse Tour, Evening Dinner
Convention and Evening on your Own in Sacramento
Western Tour "Ocean Wines and Bovines"

