

Innovation: Recommendations

This is the development of a

- product, service or methodology to
- satisfy or create a need or opportunity perceived by the Innovator.
- In the Freudian definition there is Logical Connection, and Creativity: both can lead to Innovation
- Creativity emerges in a void that opens up in the Mind : "They flash upon that Inward Eye that is the Bliss of Solitude" (Wordsworth) Or: Imagination flashing a new message onto an empty screen. Sometimes this is a group experience.

All that said, to Initiate Innovation we have to:

- invest in schools. tertiary institutions and industrial firms that capture that wave the young surfer is looking for, or praying for. No biology student at High School goes straight from a dissection class to Synthetic Biology.. Plays, novels, musical compositions and film scripts are Innovation just as much Innovation to improve the battery charging regime of Leaf cars.
- The start of a scientific or engineering career is doing the lower level of project design and implementation. We lose this by having it done in Shanghai, Warsaw, Tel Aviv, Singapore or Hyderabad .
- We must capture all the foundation work we can from those infrastructure projects sub-contracted (abandoned) to cheaper bids from overseas. The saving in cost equates to the lack of investment in our Rising Generation.
- There is a lot more to learn about in Procurement than dashing off an order without rigour to Microsoft or Oracle

Possibilities for Innovation often involve research scientists from Universities and Crown Institutes.

I would like to propose the establishment of a new class of Entrepreneurial Scientists . These would have links to parent universities but not the 100% overheads on their salaries. The rewards lie in the navigation of a project from concept to Roll Out. They would not expect to disappear off on academic distractions to the Caribbean or KIT/ MIT in the middle of an industrial or scientific project. The reward would lie in proper remuneration, high quality papers to prestigious Journals or supervising higher degree students.

Mick S Clitherow

Devonport, Auckland 0624

REV 02.