

Acknowledgements



To Harvard economist Zvi Griliches (1930-1999) who exhorted colleagues to seek more and better data through his seminal paper *'Productivity Puzzles and R&D: Another Non-explanation'* and in his American Economic Association Presidential Address *'Productivity, R&D and the Data Constraint'*. He knew what had to be explained but did not have the means. A bound copy of Zvi's 1957 University of Chicago Ph.D. thesis *'Hybrid Corn: An Exploration in Economics of Technological Change'* honors his influence from my bookshelf.

To energy economist Nebojsa Nakicenovic, of the International Institute for Applied Systems Analysis whose peer review of my 1993 paper *'A Theory of Technological Progress'* and our subsequent correspondence primed me to take Griliches's data pleas more literally than others have.

To Richard N. Foster, former Director of McKinsey & Co., who shared research data from his foundational book *'Innovation'*. His S-curves^{72 (p86)} were absolutely crucial for validating MELKS.

To Rias Van Wyk, leading authority on Strategic Technology Analysis and Director of Technoscan[®] for his response to the opening paragraph of my 1993 paper and for his continued support and then guidance in writing up the further decades of intermittent personal research now revealed within these pages.

To Robert E. Litan for the term Smart Growth from Baumol, Litan & Schramm (2007).

To the American Can Company (as it was) for fourteen years spent at their Barrington Technical Center where I learned the craft of an Innovation Professional. For the opportunity to create many aspects of a new multi-layer plastic injection blow molded technology whose purpose was pre-empting oil companies from creatively destructing its steel food can business. It was commercial for just twenty years because no oil company did. For involvement in American's foresighted technology strategy process where I learned about the Fisher-Pry method whose mathematics seeded this exposition.

To Cambridge University's tuition atmosphere from which I learned that original thinking leading to elegance and simplicity imbues the best Science. To Cambridge protein crystallographer Max Perutz (1914-2002) who exemplified the seemingly intractable can be made otherwise and is worth a lifetime of effort.

To librarians at Northwestern University Library, Illinois State Library, Harold Washington Chicago Public Library and the University of Chicago Library for their willing and able help with DINTEC[™].

To everyone involved in producing Current Industrial Reports and to the many industry associations who collected and made available their data resources.