

FROM THE EDITOR



New or Improved?

Given that this issue of the magazine spotlights the New Technology Subcommittee (NTS), it seems appropriate to explore the term "new technology." Consider two R&D developments that have grabbed media headlines in recent months (other than, of course, DNA and the genetic code!): fuel cells and fiberoptics. The lay public may well be justified in branding both of these as "new" technologies. However, Sir William Grove discovered fuel cells back in 1839. The use of fibers and pipes to channel

light also dates back to the late 1800s. In both instances, the much needed (and incremental) technological improvements to translate these scientific discoveries to practical use, took an enormous length of time.

So when does a given technology morph from "new" to "old"? Perhaps a suitable yardstick could be the extent of its acceptance and the depth of its penetration into daily human activity or even public consciousness. By this measure, laser technology clearly has arrived (thanks to CD players, barcode scanners, and the like). On the other hand, fiberoptics is only now entering this transitory phase, and fuel cells are not quite there yet.

The NTS will be sponsoring a symposium at the ECS fall meeting in Phoenix, AZ titled: "Electrochemistry and Solid-State Science and Technology in the Service of Medicine." This topic certainly seems to be a timely one for discussion. However, a quick perusal of the Society history volume (*A History of The Electrochemical Society, 1902-1976*, R. M. Burns, Editor, p. 113) would reveal that, as far back as April 1953, a three-day symposium on "Applications of Electrochemistry in Biology and Medicine" was successfully held at the ECS spring meeting in New York City. That such a topic was considered as long as five decades ago, shows remarkable prescience on the part of the organizers and the Society membership.

On the other hand, all this also reaffirms the notion that a seemingly "new" idea often may not be that new after all. Are we reinventing the wheel in these instances then? Perhaps not—we may be significantly improving it. There is nothing wrong with that, considering what has been accomplished with fuel cells and fiberoptics, to name just two examples. Stay tuned.

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INTERFACE

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