



## websites of note

by Zoltan Nagy

### Biographical Memoirs of American Scientists

Many hundreds of "Biographical Memoirs" are available, published by "The National Academies Press," covering American scientists from a wide variety of disciplines, including some connected to electrochemistry.

- <http://books.nap.edu/html/biomems>

### Raymond Matthew Fuoss (by M. A. Coplan)

Physical chemist with a strong interest in the conductance of electrolytes and irreversible processes in electrolytes, Fuoss's work included all aspects of electrolytic conductivity from the development of new instruments and techniques to high quality conductance data and the theoretical development of ever more refined conductance equations. He determined conductance for the wide variety of solvents and solutes over a wide range of dielectric constant, viscosity, and temperature.

- <http://books.nap.edu/html/biomems/rfuoss.pdf>

### Izaak Maurits Kolthoff (by J. F. Coetzee)

Widely regarded as the father of modern analytical chemistry. He contributed significantly to electroanalytical chemistry. He developed the theory of potentiometric and conductometric titrations and studied voltammetry on dropping mercury electrodes, and on solid microelectrodes. He also worked on the colorimetric and potentiometric determination of pH, the pH concept, titrations, indicators, and buffers.

- <http://books.nap.edu/html/biomems/ikolthoff.pdf>

### Charles Norwood Reilley (by R. W. Murray)

Analytical chemist with strong interest in electrochemical analysis. He devised many instrumental methods for detection of chemical reactions as they reached stoichiometric completion, using polarized electrodes, coulometry, high frequency impedance, optical absorbance, and nuclear magnetic resonance. He contributed to early understanding of chronopotentiometry and thin layer electrochemistry. He invented a membrane electrode that was commercialized for determination of dissolved oxygen in natural waters. He was interested in high frequency titrimetry and constant current coulometric analysis.

- <http://books.nap.edu/html/biomems/creilley.pdf>

### About the Author

ZOLTAN NAGY is a semi-retired electrochemist. After 15 years in a variety of electrochemical industrial research, he spent 30 years at Argonne National Laboratory carrying out research on electrode kinetics and surface electrochemistry. Presently he is at the Chemistry Department of the University of North Carolina at Chapel Hill. He welcomes suggestions for entries; send them to [nagyz@email.unc.edu](mailto:nagyz@email.unc.edu).

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