PEOPLE NEWS

Esther Takeuchi Named to National Academy of Engineering

Esther Sans Takeuchi has been elected a member of the National Academy of Engineering (NAE), and was inducted in October 2004 with a class of 87 associates. Dr. Takeuchi will join the ranks of 1,896 active NAE members, who have been elected by their peers in recognition of outstanding accomplishments in engineering research, practice, and education. As a member of the National Academies, Dr. Takeuchi will serve *pro bono* working to address critical national issues and advise the federal government and the public.

The National Academies originated in 1863, with the creation of the National Academy of Sciences under President Lincoln. Currently, the National Academies is comprised of four organizations: the National Academy of Science, the National Academy of Engineering, the Institute of Medicine, and the National Research Council. The National Academy of Engineering (www.nae.edu) was founded in 1964, with a mission "to promote the technological welfare of the nation by marshaling the knowledge and insights of eminent members of the engineering profession."

Dr. Takeuchi is currently Vice-President of Battery Research and Development at Wilson Greatbatch Technologies, Inc. in Clarence, NY. Dr. Takeuchi's expertise centers on the design and chemistry of lithium batteries, especially sophisticated battery systems for implantable medical applications. Her work has played both central and fundamental roles in the development and improvement of lithium battery systems that power devices such as neurostimulators, drug delivery devices, and implantable cardiac defibrillators. Notably, the lithium/silver vanadium oxide system she and her team developed is still used to power more than 90% of the cardiac defibrillators implanted 15 years since its first introduction, having a profoundly positive impact on hundreds of thousands of lives.

Induction into the NAE is a well deserved recognition for a career of high accomplishment. In 1990, the Community Advisory Council of the State University at Buffalo named Takeuchi Woman of the Year in science for her outstanding achievement in the development of medical batteries. In 1995, she was awarded the ECS Battery Division Technology Award for the development of lithium / silver vanadium oxide batteries used to power implantable cardiac defibrillators. Wilson Greatbatch Technologies recognized her in 1997 as Visionary of the Year, an annual award presented for exemplary achievement. In 1998, Dr. Takeuchi was presented with the Jacob F. Schoellkopf Award by the Western New York section of the American Chemical Society for creative research in batteries for medical applications. In addition, she was inducted into the Western New York Women's Hall of Fame that year. The following year, she was recognized as a Fellow by the American Institute for Medical and Biological Engineering. In 2003, Dr. Takeuchi was named a Woman of Distinction by the American Association of University Women, and in the same year was presented with the Achievement in Healthcare Award by D'Youville College. ■

Scherson Named New Director of Yeager Center for Electrochemical Sciences

The Yeager Center for Electrochemical Sciences (YCES), at Case Western Reserve University, has named **Daniel A. Scherson**, PhD, as its new director. The appointment became effective July 1, 2004. The Executive Committee named Professor Scherson's attributes in their unanimous decision to appoint Scherson: his international prominence in electrochemistry, his long-standing participation and service to the Yeager Center, and his leadership in The Electrochemical Society at the national and Cleveland Section levels. Scherson has been a member of ECS since 1984 and is serving as the newly-elected chair of the ECS Battery Division. He is a past chair of the Society's Physical Electrochemistry Division (PED) and has been an Associate Editor for the *Journal of The Electrochemical Society* since 1997. He received the PED's David C. Grahame Award in 1991. Scherson has also served as the chair of the Society's Cleveland Section.

The Yeager Center for Electrochemical Sciences (electrochem.cwru.edu) fosters education and research among students and faculty from many disciplines at Case. YCES is internationally recognized and dedicated to advances in all aspects of electrochemical sciences and electrochemical systems and devices. ■

Adam Heller Receives Charles N. Reilley Award

Adam Heller, a research scientist at the University of Texas (Austin) and an ECS member since 1973, received the Charles N. Reilley Award, given by the Society for Electroanalytical Chemistry, for innovative research. Heller built the first inorganic liquid lasers and the widely used lithium thionyl chloride battery (with J. S. Auborn) that is used in communications equipment, computers, military communications and weapons systems, and medical applications. Heller received the ECS Physical Electrochemistry Division's David C. Grahame Award in 1987, the Society's Vittorio de Nora Award in 1988, and was named an ECS Fellow in 1994. At the Society's fall 1991 meeting, Heller delivered one of four special Faraday Lectures, "On the Impact of Electrochemistry on Biomedicine and the Environment." In October 2000, the Society's New Technology Subcommittee presented a special symposium on "Electrochemistry and Solid-State Science and Technology in the Service of Medicine." Prof. Heller delivered the keynote lecture, "Carrier Transport in DNA and the Hypothesis of Cathodic Protection of Genes." ■

Jean Lessard Receives 2004 Murray Raney Award

Jean Lessard received the 2004 Murray Raney Award, sponsored by W. R. Grace & Co. Lessard, an ECS member since 1984, is currently with the University of Sherbrooke (Québec, Canada). The award was presented last March at the 20th Century Conference of the Organic Reactions Catalysis Society. It is given to an individual who has made significant technical contributions to the catalyst industry via skeletal metal catalyst technology based on that originally developed by Raney. Lessard has been a pioneer in electrocatalytic hydrogenation using Raney-type catalytic electrodes. Lessard was chair of the Organic and Biological Electrochemistry Division of the Society (2001-2003) and has served on the Interface Advisory Board for a number of years. ■

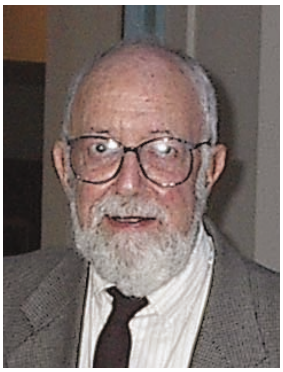
Mordechay Schlesinger Contributes to Kirk-Othmer Encyclopedia

Mordechay Schlesinger has contributed an article on "Electroplating" to the Kirk-Othmer Encyclopedia of Chemical Technology, published by Wiley Interscience. The article presents a brief historical discussion, and discusses the process of electroplating, preparatory (cleaning) steps required, bath formulations, and operation conditions, as well as the properties of deposits. Recent key changes in the electroplating industry also receive special emphasis.

Originally published in 1949, the current edition uses a search engine and an interface that allows the user to call up information covering the entire chemical industry and allied fields. The encyclopedia is designed to present the field of chemical technology to professionals who wish to learn about technologically important materials, established as well as cutting edge methods, and relevant phenomena.

Dr. Schlesinger has been a member of the Society since 1972, and was named an ECS Fellow in 1995. He was chair of the ECS Electrodeposition Division (1985-1987) and was an Associate Editor of the *Journal of The Electrochemical Society* (1990-2003) and *Electrochemical and Solid-State Letters* (1998-2003).

Currently professor emeritus at the University of Windsor (Ontario, Canada), Schlesinger has published numerous articles and books, including two monographs published by Johan A. Wiley & Sons and sponsored by the Society: *Modern Electroplating*, edited with Milan Paunovic, 4th edition (2000); and *Fundamentals of Electrodeposition*, written with Milan Paunovic (1998). Modern Electroplating is currently being translated by Wiley into (Simplified) Chinese. ■



In Memoriam

Robert Allen Osteryoung

1927-2004

Robert Allen Osteryoung, 77, highly respected scientist and loving father, died August 10. A memorial service was held this past August at the Marye Anne Fox Science Teaching Laboratories on the campus of North Carolina State University.

Dr. Osteryoung leaves behind a legacy of scientific achievement spanning more than 50 years. During that time he published more than 225 research papers and was the recipient of several professional awards. Former Professor and Head, Department of Chemistry at NC State University, he retired in January 2003. Osteryoung was educated at Ohio University and the University of Illinois. He was on the faculty of Rensselaer Polytechnic Institute from 1954 to 1959, and from 1959 to 1968 was at Rockwell International in Los Angeles. During that time he was also a Visiting Associate in Chemistry at the California Institute of Technology. In 1968 he was named Professor and Chairman of the Chemistry Department at Colorado State University. In 1977-78 he served as Program Manager, Air Force Office of Scientific Research, Washington D.C. Dr. Osteryoung joined the faculty of the State University of New York at Buffalo as a Leading Professor in 1979, followed by a Research Professor appointment at NC State University in 1992. He was Chemistry Department Head at NC State from 1994 to 1998.

Dr. Osteryoung joined ECS in 1954 and became and active party of Society life. He served on the Technical Affairs Committee, as chair (1982-1983) of the Physical Electrochemistry Division, and as a Divisional editor (1979-1986) for the *Journal of The Electrochemical Society*. He was also active in the American Chemical Society, serving in a variety of offices at national and local levels. He was a past chairman of the Analytical Division of the ACS, and served as Associate Editor for the journal Analytical Chemistry for 15 years.

Dr. Osteryoung received the Colorado ACS Section Award in 1978, and became a Fellow of the American Association of the Advancement of Science in 1980. He received the Charles N. Reilley Award in Electroanalytical Chemistry in 1987, was elected to the first class of Fellows of The Electrochemical Society in 1990, and received the ACS Schoellkopf Medal in 1990. In 1992 The Electrochemical Society awarded him the Max Bredig Award. He also received the Ohio University College of Arts and Sciences Outstanding Alumnus Award in 1992.

Most recently, Osteryoung's efforts were instrumental in obtaining funds for the new Marye Anne Fox Science Teaching Laboratory at NC State University; a plaque recognizing his tireless efforts to ensure the building became a reality hangs in the lobby. The Robert A. Osteryoung Award for Excellence in Teaching has been established at NC State in recognition of his outstanding contributions to improvements in the General Chemistry Program.

Dr. Osteryoung is survived by son Adam Osteryoung; daughters Kathy Osteryoung, Sue Arellano, and Anne Walter; four grandchildren; and beloved companion Debbie Boxall. He was preceded in death by his son David Osteryoung. He was a native of Cleveland, Ohio and the son of the late Adolph and Marie Osteryoung. Contributions may be made to the ALS Therapy Development Foundation, or to local public radio station WUNC, whose broadcasts were a source of great joy and comfort to Robert in his final days. (Please include Robert's name on any donations to WUNC so that they will be recognized as a memorial gift.)

Some Personal Recollections from Fred Anson

I first met Bob Osteryoung in 1959 when he was conducting research at the Atomics International Division of North American Aviation and he invited me to consult with him and his group. We hit it off both personally and scientifically and we remained close friends for 45 years.

The enviable record he established as both a highly creative electroanalytical chemist and superb academic administrator has been documented in several news accounts that appeared following his death last August. My favorites of his major research successes include his career-long work on molten salt electrochemistry, his early pioneering applications of digital computers and electronics to electroanalytical methodology including pulse polarography and square wave voltammetry, and his enthusiastic participation in the development of the technique of chronocoulometry.

Among his other signal accomplishments was participating actively in the effort that led to the creation of the first Gordon Research Conference on Electrochemistry in 1964. The idea to try to establish this conference was born (along with numerous other less sober aspirations) during social gatherings that Bob helped to host on the beach in San Clemente, California, where many of the prominent younger electrochemists of the day assembled to undertake scientific discussions prior to national meetings of ACS and ECS. Those who attended these affairs still recall them with fondness and gratitude for Bob's efforts in making them successful.

Although Bob is no longer among us, happy, respectful memories of his life and career remain to be savored by all of those who knew him: As long as chemists seek to improve methods of electroanalysis, Bob will be remembered. As long as enthusiasm and excitement about ideas for new experiments are respected, Bob will be remembered. As long as students and colleagues admire professors who combine good research ideas with effective, sympathetic mentoring and good humor, Bob Osteryoung will be remembered.

A Remembrance from Johna Leddy

Of my friends and colleagues, Bob O is unique. There were the socks and shirts and suspenders, but they were just the thinnest patina over a depth and generosity that seemed limitless. Bob was enthusiastic about science, but he was more enthusiastic about scientists. Often observing from the background, Bob would step forward to make things right when young scientists encountered professional difficulties.

Bob's sense of humor was pithy. In the late 1980s, we were at a meeting and Bob walked by and said, "The best that will come out of cold fusion will be 80 PhD dissertations in sociology." Whatever the enterprise, around Bob, there was fun. When it was science, there was tremendous scientific depth beneath that sense of adventure.

So, I will miss Bob, for his humor and fun and insight, but mostly for his obvious enthusiasm for science and its practitioners. Bob is one of the gentlemen of science, one of the stanchions that stay science on the fair course.

Be good, Bob; but, as always, have fun.

Johna

Ed. Note: The main obituary notice was sent to Interface *by Cynthia Wertz, Dr. Osteryoung's assistant at North Carolina State University. Many others also wrote to let us know about his passing.*

In Memoriam

John L. Griffin

1923-2003

Earlier this year, the Society learned that one of its past treasurers died in late 2003. **John L. Griffin** was Society treasurer from 1976 to 1979 and again from 1979 to 1982.

At the time of his first election to the treasurer position, Griffin was a supervisory research chemist in charge of the electrochemical surface processes group at General Motors Research Laboratories.

He was born near Toledo, Ohio in 1923. He attended the University of Toledo, obtaining a bachelor of engineering degree in 1945. From 1945 to 1952, he worked variously as a junior chemist at Chase Bag Company near Cleveland, Ohio; as an assistant analytical chemist at Owens-Illinois Glass Company General Research Laboratory; as a teaching fellow and instructor at the University of Toledo in general and analytical chemistry; and as a plant chemist at Kaylo Division of Owens-Illinois Glass Company.

He obtained his MS in chemistry from the University of Toledo in 1953. From 1953 to 1957, he pursued graduate work at the University of Michigan; his work for the PhD was completed in 1961. From 1958 to 1969, he worked as a senior research chemist at General Motors Research Laboratories, and then moved to his position in 1976 as a supervisory research chemist.

His publications included work on the electrodeposition of Pb and Pb-Cu alloys, dissolution rate studies on U-Cr alloys, recovery from U from liquid reactor waste, and effects of catalysts on the electrodeposition of Cr.

Dr. Griffin had been a member of the Society since 1954. He served in a number of positions: as chairman of the Individual Membership Committee; and as secretary-treasurer, vice-chair, and chair (1973-1975) of the Electrodeposition Division. He was also a member of the Battery and the Physical Electrochemistry Divisions. He was active in the Detroit Section, serving as secretary-treasurer, vice-chair for programs, and in 1964-65, as Section chair. He was made an Honorary Member in 1983.

Dr. Griffin was also a member of the American Electroplaters Society, the American Chemical Society, the Society of Automotive Engineers, the American Association for the Advancement of Science, Phi Kappa Phi, Phi Lambda Upsilon, and Sigma Xi. He is survived by his wife Anna, daughter Marjean Schaefer, and son Albert. ■

In Memoriam

Per Bro (1924-2004), member since 1962, Battery.

Brian Melody (1952-2004), member since 1984, DS&T and IE&EE.

Burl M. Moon (1941-2004), member since 1974, Electronics.