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* Deceased, June, 1947.

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The first president of the Society was DR. JOSEPH W. RICHARDS, late Professor of Metallurgy, Lehigh University, Bethlehem, Pa. He held office for two years and was succeeded by the following eminent scientists and industrial leaders:

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* Deceased.

PRIZES AND AWARDS*

The Edward Goodrich Acheson Medal and Prize

The Edward Goodrich Acheson Gold Medal and \$1,000 Prize were founded by Dr. Acheson in August, 1928.

The award is made once every two years (first award at the Fall Meeting 1929) to the person who shall have made a distinguished "contribution to the advancement of any of the objects, purposes or activities . . . of the Society. Such contribution may consist of but shall not be limited to (a) a discovery pertaining to electrochemistry, electrometallurgy or electrothermics, (b) an invention of a plan, process or device, or research evidenced by a paper embodying information, useful, valuable or significant in the theory or practice of electrochemistry, electrometallurgy or electrothermics, and/or (c) distinguished services rendered to the Society or its successor."

The award is made without distinction on account of sex, citizenship, race or residence. See Trans. Electrochem. Soc. **54**, 6 (1928).

The Edward Weston Fellowship in Electrochemistry

The Edward Weston Fellowship Fund was established by Dr. Weston in December, 1928. The Fellowship of approximately \$1,000 is awarded by the Society whenever funds are available to a graduate student in electrochemistry who possesses marked ability in carrying out research in electrochemistry. The candidate must be under the age of 30 years at the time of the award. The successful candidate may carry out the research at any institution of learning approved of by the Board of Directors of the Society.

The award is made without distinction on account of sex, citizenship, race or residence.

For applications or further details apply to the Secretary of the Society. See Trans. Electrochem. Soc. **55**, 20 (1929); **83**, 6 (1943).

The Electrochemical Society Prize to Young Authors

An annual prize of one hundred dollars was established by the Board of Directors in July, 1928. The prize is awarded to the author of the best paper printed in two volumes of any year of the Transactions of the Society. The judges to pass upon the merits of the paper are the Chairman of the Publication Committee, the Secretary of the Society and three members of the Society and two alternates selected by the Chairman of the Publication Committee, the Committee being at liberty to invite the opinion of members not on the Committee.

The prize is open to students and graduates, under twenty-seven years of age, at any technical school, college or university, no matter where located. See Trans. Electrochem. Soc. **55**, 22 (1929).

BY-LAWS FOR THE AWARD OF THE ELECTROCHEMICAL SOCIETY PRIZE (\$100) TO YOUNG AUTHORS

1. The Electrochemical Society Prize shall be awarded for the best paper presented to the Society and accepted for publication in its Transactions for the calendar year preceding the award.
2. The award shall be made at the Spring Meeting of the Society.

* See also pages xiii, xiv and xv of this volume.

PRIZES AND AWARDS*—Continued

3. The value of the prize shall be \$100, provided the author or authors of the paper are under 27 years of age at date of presentation.
4. In the event of joint authorship, co-authors shall share equally in the distribution of the prizes. For example, in the case of two authors, each being under 27 years of age, \$50 to each; if one of the two authors is over 27, only the younger will receive \$50.
5. Special recommendations for the prize may be made by any active member of the Society.
6. All nominations shall be in the hands of the committee for awarding the prize, not later than the February 1st preceding the award.
7. Membership of the committee for the award of the prize shall consist of:
 - a. Chairman of the Publication Committee.
 - b. Secretary of the Society.
 - c. Three members of the Society selected by the Chairman of the Publication Committee (these three members having shown unusual care and skill in reviewing manuscripts submitted to them); also two alternate members.
8. The power to select the recipient of the prize shall be invested wholly in this committee.
9. The committee's selection of the candidate for the prize shall be based on the method of weighted averages.
10. The committee for the award of the prize shall have the power to decide any question or questions not specifically covered by these rules, excepting such as would necessitate a change in the existing rules, which questions shall be submitted to a vote of the Society at large or to the Board of Directors.
11. The prize may be withheld in any year if, in the majority of the committee, none of the papers entered seems worthy of the prize.

Book Prize to Young Authors

Francis Mills Turner offers an Annual Prize consisting of \$50.00 worth of scientific and technical books published by the Reinhold Company, to be given each year to a young author under thirty years of age. The recipient is to be either the first or the second choice selected for the award of the Young Author's Prize and is to be selected by the regularly constituted Young Author's Prize Committee of the Society.

This Prize was gratefully accepted by the Board of Directors at its Nashville Meeting. See Trans. Electrochem. Soc. 81, 3 (1942).

The Roeber Research Fund

This Fund was established in September, 1933, by a group of friends and admirers of the late Dr. E. F. Roeber, one of the founders of the Society and always an ardent enthusiast over the triumphs of electrochemistry. The interest of this fund is to assist university students who are members of the Society (age limit twenty-eight years) requiring special apparatus or supplies for their electrochemical research. Requests for such assistance should be addressed to the Secretary of the Society. See Trans. Electrochem. Soc. 64, 6-7 (1933).

The Joseph W. Richards Memorial Lectureship

Dr. Joseph William Richards was one of the founders of the Electrochemical Society and its first President. He was Secretary and

* See also pages xiii, xiv and xv of this volume.

PRIZES AND AWARDS*—Continued

Editor of the Society's Transactions from 1904 to 1921. His very active and untiring interest in the Society and in the science and art of Electrochemistry reflected itself in the rapid growth of the Society and of the electrochemical industry throughout the world. From the very start, Dr. Richards fostered the international spirit.

The Joseph W. Richards Memorial Lectureship was established in 1930 by a group of friends and admirers of Dr. Richards. The interest of the fund is used to meet the expenses incurred by inviting and entertaining distinguished scientists. See Trans. Electrochem. Soc. **57**, 30 (1930).

* See also pages xiii, xiv and xv of this volume.

MEETING PLACES

<i>Year</i>	<i>Spring</i>	<i>Fall</i>
1902	Philadelphia, Pa.	Niagara Falls, N. Y.
1903	New York City	Niagara Falls, N. Y.
1904	Washington, D. C.	St. Louis, Mo.
1905	Boston, Mass.	Bethlehem, Pa.
1906	Ithaca, N. Y.	New York City
1907	Philadelphia, Pa.	New York City
1908	Albany, N. Y.	New York City
1909	Niagara Falls, Canada	New York City
1910	Pittsburgh, Pa.	Chicago, Ill.
1911	New York City	Toronto, Canada
1912	Boston, Mass.	New York City
1913	Atlantic City, N. J.	Denver, Colo.
1914	New York City	Niagara Falls, Canada
1915	Atlantic City, N. J.	San Francisco, Calif.
1916	Washington, D. C.	New York City
1917	Detroit, Mich.	Pittsburgh, Pa.
1918	Appalachian South	Atlantic City, N. J.
1919	New York City	Chicago, Ill.
1920	Boston, Mass.	Cleveland, Ohio
1921	Atlantic City, N. J.	Lake Placid, N. Y.
1922	Baltimore, Md.	Montreal, Canada
1923	New York City	Dayton, Ohio
1924	Philadelphia, Pa.	Detroit, Mich.
1925	Niagara Falls, N. Y.	Chattanooga, Tenn.
1926	Chicago, Ill.	Washington, D. C.
1927	Philadelphia, Pa.	Northwestern Trip
1928	Bridgeport, Conn.	Charleston, W. Va.
1929	Toronto, Canada	Pittsburgh, Pa.
1930	St. Louis, Mo.	Detroit, Mich.
1931	Birmingham, Ala.	Salt Lake City, Utah
1932	Baltimore, Md.	Cleveland, Ohio
1933	Montreal, Canada	Chicago, Ill.
1934	Asheville, N. C.	New York City
1935	New Orleans, La.	Washington, D. C.
1936	Cincinnati, Ohio	Niagara Falls, Canada
1937	Philadelphia, Pa.	St. Louis, Mo.
1938	Savannah, Ga.	Rochester, N. Y.
1939	Columbus, Ohio	New York City
1940	Wernersville, Pa.	Ottawa, Canada
1941	Cleveland, Ohio	Chicago, Ill.
1942	Nashville, Tenn.	Detroit, Mich.
1943	Pittsburgh, Pa.	New York City
1944	Milwaukee, Wis.	Buffalo, N. Y.
1945	Atlantic City, N. J.*	Columbus, Ohio*
1946	Birmingham, Ala.	Toronto, Canada
1947	Louisville, Ky.	Boston, Mass.
1948	Columbus, Ohio	New York City
1949	Philadelphia, Pa.	Chicago, Ill.

* Meeting cancelled on account of the war.

Address all Communications to the Secretary of the Society,
R. M. BURNS, 235 W. 102nd St.,
New York 25, N. Y.

ELECTROCHEMICAL SOCIETY AWARDS

Prize to Young Authors

- WILLIAM C. GARDINER—"Hydrolysis of Mercurous Sulfate by Cadmium Sulfate Solution in the Weston Normal Cell"; "Oxidation of the Depolarizer in Preparing Standard Cells"; "Crystalline Mercurous Sulfate and the Weston Normal Cell"—**56**, 111-59 (1929).
- DWIGHT K. ALPERN—"Engineering Development of Photovoltaic Cells"—**58**, 275-95 (1930).
- FRANK L. JONES—"Electrodeposition of Tungsten from Aqueous Solutions"—**59**, 461-81 (1931).
- F. W. GODSEY, JR.—"Alternating Current Capacities of Electrolytic Condensers"; and "Potential Gradients in Anodic Films"—**61**, 515-29, 549-59 (1932).
- B. L. BAILEY—"Hardness Values for Electrochemical Products"—**63**, 369-92 (1933).
- JOSEPH R. HEARD, JR.—"Electro-Organic Oxidations in Concentrated Aqueous Organic Salt Solutions"—**65**, 301-25 (1934).
- UPTON B. THOMAS, JR.—"Electrochemical Behavior of Lead, Lead-Antimony and Lead-Calcium Alloys in Storage Cells"—**68**, 293-307 (1935).
- W. A. JOHNSON—"Studies of Overvoltage: Effect of Fusion of the Cathode and Effect of Temperature on Gas Polarization"—**70**, 259-74 (1936).
- R. SPENCER SOANES—"Potential Distribution in High Current Carbon Arcs in Air"—**72**, 281-90 (1937).
- N. B. NICHOLS—"The Cathode Ray Oscillograph Applied to the Dropping Mercury Electrode"—**73**, 193-206 (1938).
- G. A. MOORE—"Comportment of Palladium-Hydrogen System toward Alternating Electric Current"—**75**, 237-67 (1939).
- J. S. MACKAY—"Photoelectric Cells Sensitive to Long Wave Length Radiation: The Bismuth Sulfide Cell"—**77**, 299-327 (1940).
- EDWARD ADLER—"Photovoltaic Effect"; "Semi-Conductor Photocells and Rectifiers"—**79**, 367-75; 377-412 (1941).
- SIDNEY SPEIL—"Electrophoretic Dewatering of Clay"—**81**, 119-45 (1942).
- WALTER G. BERL—"A Reversible Oxygen Electrode"—**83**, 253-70 (1943).
- JOHN P. COYLE—"The Extraction of Indium from Complex Lead-Tin Alloys"—**85**, 223 (1944).
- AUSTIN E. HARDY—"The Photoconductivity of Zinc-Cadmium Sulfide as Measured with the Cathode-Ray Oscillograph"—**87**, 355 (1945).
- NORMAN A. NIELSEN—"Passivation of Stainless Steels"—**89**, 167-189 (1946).

Book Prize to Young Authors

- SIDNEY SPEIL—"Electrophoretic Dewatering of Clay"—**81**, 119-45 (1942).
- WALTER G. BERL—"A Reversible Oxygen Electrode"—**83**, 253-70 (1943).
- JOHN P. COYLE—"The Extraction of Indium from Complex Lead-Tin Alloys"—**85**, 223 (1944).
- JAMES T. WABER—"Stress Corrosion Cracking of Mild Steel"—**87**, 209 (1945).
- BURKE CARTWRIGHT—"Electrolysis of Manganese into a Metal Cathode from Suspensions of Manganese Oxide and Carbon in Molten Manganous Chloride"—**89**, 373-382 (1946).

ELECTROCHEMICAL SOCIETY AWARDS—Continued

Weston Fellowship Holders

- EDWARD B. SANIGAR—"The Titration of Potassium Cyanide and of Free Cyanide in Silver-Plating Solutions by means of Silver Nitrate"—58, 435-54 (1930); "Electrodeposition of Silver from Sulfate, Nitrate, Fluoborate and Fluoride Solutions"—59, 307-27 (1931).
- KARL SÖLLNER—"An Experimental Study of Negative Osmosis. Part I"; "Experimental Verification of a New Theory Concerning the Mechanism of Anomalous Osmosis. Part II"—61, 477-84, 487-96 (1932).
- MARLIN E. FOGLE—"A Study of Cuprous Oxide Solid Photoelectric Cells"—66, 271-319 (1934).
- ROBERT D. BLUE—"Electrodeposition of Aluminum from Non-Aqueous Solutions"—65, 339-52 (1934).
- PIERRE A. JACQUET—"Effect of Colloids on Electrodeposition"—65, 21 (1934).
- MYRON A. COLER—"Electrolytic Processes in the Magnetic Field"—72, 247-77 (1937).
- HENRY B. LINFORD—"The Effect of the Speed of Rotation on the Electrode Potentials of Copper and Zinc"—72, 461-69 (1937).
- GARTH L. PUTNAM—71, 26 (1937). Metallurgy of Gold.
- VITTORIO DE NORA—73, 39 (1938).
- WALDEMAR P. RUEMLER—75, 52 (1939); 77, 50 (1940).
- RODNEY E. BLACK—79, 44 (1941).
- WILLIAM E. ROAKE—81, 46-7 (1942).
- ROBERT D. MISCH—1947. See Proceedings, Vol. 92.

Joseph W. Richards Memorial Lecturers

- JOHN A. MATHEWS,* Vice-President and Director of Research, Crucible Steel Company, New York City. "The Electric Furnace and the Alloy Age," 61, 143-60 (1932).
- R. S. HUTTON, Goldsmiths' Professor of Metallurgy, University of Cambridge, England. "Faraday and His Electrochemical Researches," 64, 13-30 (1933).
- W. S. LANDIS,* Vice-President and Director, American Cyanamid Company, New York City. "Joseph W. Richards, The Teacher—The Industry," 66, 6-12 (1934).
- KARL K. DARROW, Physicist, Bell Telephone Laboratories, New York City. "Electricity in Gases," 69, 67-84 (1936).
- CHARLES H. HERTY,* Director, Herty Foundation Laboratory, Savannah, Georgia. "The Utilization of Southern Pine," 73, 50-58 (1938).
- BRADLEY STOUGHTON, Dean of Engineering, Lehigh University, Bethlehem, Pa. "Modern Marvels of Electrometallurgy," 76, 29-35 (1939).
- VLADIMIR K. ZWORYKIN, Associate Director of RCA Research Laboratories, Camden, N. J. "The Electron Microscope," 80, 14-22 (1941).
- B. D. SAKLATWALLA,* Metallurgical Consultant, Pittsburgh, Pa. "Thermal Reactions in Ferro-Alloy Metallurgy, the Basis of Alloy Steel Development," 84, 13-32 (1943).
- STEWART J. LLOYD, Professor of Chemical Engineering, University of Alabama. "Freedom in Science," 89, 9-21 (1946).

* Deceased.

ELECTROCHEMICAL SOCIETY AWARDS—Continued

Acheson Medal Awards

- EDWARD G. ACHESON*—Artificial Graphite and Carborundum—56, 7-9 (1929).
EDWIN F. NORTHRUP*—Induction Furnaces—60, 8-28 (1931).
COLIN G. FINK—Electrochemistry—64, 2-6 (1933).
FRANK J. TONE*—Electrothermics—68, 2, 8-26 (1935).
FREDERICK M. BECKET*—Electrothermics—72, 3-24 (1937).
FRANCIS C. FRARY—Electrometallurgy—76, 4-22 (1939).
CHARLES F. BURGESS*—Electrochemistry—82, 3-27 (1942).
WILLIAM BLUM—Electrodeposition—86, 4-19 (1944).
H. JERMAIN CREIGHTON—Electro-organic Chemistry—90, 5-20 (1946).
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