

## Charles A. Ziegler

### I. PUBLICATIONS IN THE SOCIAL SCIENCES

#### (A) Books

Spying Without Spies: Origins of America's Secret Nuclear Surveillance System (Praeger Publishers, Westport CT, 1995) [with D. Jacobson].

UFO Crash at Roswell: The Genesis of a Modern Myth (Smithsonian Institution Press, Washington DC, 1997) [with B. Saler and C. Moore].

The Invention and Development of the Radiosonde (Smithsonian Studies in History and Technology, No. 53, Smithsonian Press, Washington DC, 2002) [with J. DuBois and R. Multhauf].

#### (B) Journal Articles

Implications of a Model for the Genesis of Science-Based Firms for Puerto Rican Development Strategy. In Hispanic Business and Economy, A. Triana, Ed. (DePaul Univ., Chicago, 1982) [with V. Quinones-Cintron].

How Big is Kiriwina? Mankind, Vol. 14, 383 (1984) [with D. Jacobson].

Clans, Hierarchies and Social Control: An Anthropologist's Commentary on Theory Z. Human Organization, Vol. 44, 83 (1985) [with D. Kaplan].

Innovation and the Imitative Entrepreneur. J. of Economic Behavior and Organization, Vol. 6, 103 (1985).

Waiting for Joe-I: Decisions Leading to the Detection of Russia's First Atomic Bomb Test. Social Studies of Science, Vol. 18, 197 (1988).

Technology and the Process of Scientific Discovery: The Case of Cosmic Rays. Technology and Culture, Vol. 30, 524 (1989).

Weapons Development in Context: The Case of the World War I Balloon Bomber. Technology & Culture, Vol. 35, 585 (1994).

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Insider and Outsider Perspectives in the Anthropology of Science: A Cautionary Tale. Perspectives on Science, Vol. 6, 361 (1998) [with D. Jacobson].

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Atheism and the Apotheosis of Agency. Temenos, Vol. 42 (2), 7 (2006) [with B. Saler].

### (C) Encyclopedia Articles

Radiosonde. In Instruments of Science: An Historical Encyclopedia, R. Bud and D. Warner, Eds. (Garland Publishing, New York, 1997).

Cosmic Rays, Early History. In Sciences of the Earth: An Encyclopedia of Events, People and Phenomena, G. Good, Ed. (Taylor and Francis Group, New York, 1998).

The Roswell Incident. In UFOs and Popular Culture: An Encyclopedia of Contemporary Myth, J. Lewis, Ed. (ABC-CLIO, Santa Barbara, 2000) [with B. Saler].

### (D) Commentary

Ballooning and the Birth of Cosmic Ray Physics. In National Air and Space Museum Research Report, 1986, D. Pisano, Ed. (Smithsonian Press, Washington DC, 1986).

Book Review: “RAND’s Role in the Evolution of Balloon and Satellite Observation Systems and Related Space Technology.” Technology & Culture, Vol. 30, 587 (1989).

Book Reviews: “Edward Teller;” “The Advisors;” and “Atom and Void.” Isis, Vol. 82, 313 (1991).

Book Review: “The Moby Dick Project.” Technology & Culture, Vol. 33, 833 (1992).

Book Review: “Operation Crossroads.” The American Neptune, Vol. 55, 276 (1995).

Book Review: “Ghost Fleet: The Sunken Ships of Bikini Atoll.” The American Neptune, Vol. 57, 287 (1997).

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Publications – cont'd

### II. PUBLICATIONS IN THE PHYSICAL SCIENCES

#### (A) Books

Applications of Low Energy X- and Gamma Rays (Gordon & Breach, New York, 1971) [Ed.].

#### (B) Journal Articles authored and coauthored

Electromechanical Pick-Up Calibration by the Interferometer Method. J. of the Acoustical Society of America, Vol. 25, 135 (1953).

Hysteresis Effect in Multiplier Phototube Noise. J. of Applied Physics, Vol. 26, 1225 (1955).

Oxygen Quenching and Wave Length Shifters in Liquid Scintillators. Physical Review, Vol. 99, 663 (1955).

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Thermal Quenching in Alpha- and Gamma-Excited Fluorescent Solutions. J. of Research of the National Bureau of Standards, Vol. 58, 125 (1957).

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Radioassay of Low Specific Activity Tritiated Water by Improved Liquid Scintillation Techniques. Analytical Chemistry, Vol. 29, 1774 (1957).

Continuous Air Monitor for Tritium. Nucleonics, Vol. 17, 76 (1959).

Liquid Scintillator Luminosity as an Indicator for Oxygen in Gases. Review of Scientific Instruments, Vol. 30, 37 (1959).

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Radioassay of Non-Radioactive Gases. Chemical and Process Engineering, Vol. 40, 287 (1959).

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Electroluminescent Pressure Gauge. Review of Scientific Instruments, Vol. 33, 812 (1962).

Technique for Determining Density Distribution in Low Pressure, High Temperature Gases. Review of Scientific Instruments, Vol. 35, 450 (1964).

The Generation and Practical Use of Monoenergetic X-Rays from Alpha Emitting Isotopes. In Proceedings of Symposium on Low Energy X- and Gamma Ray Sources, Vol. 5, P. Baker and M. Gerrard, Eds. (Isotopes Information Center, Oak Ridge, 1964).

Radioisotope and Radiation Techniques for Terrestrial and Planetary Gas and Solid Measurement. In Radioisotopes for Aerospace, Vol. I, J. Dempsey and P. Polishuk, Eds. (Plenum Press, New York, 1966).

Radioisotope Technique for Monitoring Sediment Concentration in Rivers and Streams. In Radioisotope Instruments in Industry and Geophysics, Vol. I, (International Atomic Energy Agency, Vienna, 1966).

Application of Radioisotope-Excited X-Ray Techniques to Criminalistics and Law Enforcement. In Law Enforcement Science and Technology, Vol. I, S. Yevsky, Ed. (Academic Press, London, 1967).

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Radioisotope Gauge for Monitoring Suspended Sediment in Rivers and Streams. International J. of Applied Radiation and Isotopes, Vol. 18, 585 (1967).

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### (C) Encyclopedia Articles

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### (D) Patents

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Apparatus for Measuring the Local Gas Densities in a Rarified Gaseous Medium. U.S. Patent 3,154,681, October 27, 1964.

Apparatus for Analyzing a Gaseous Medium by Subjecting the Gas to Electron Bombardment and Measuring the Characteristic X-Ray Emission. U.S. Patent 3,344,273, September 26, 1967.

Alpha Ray Excited Composition Analysis. U.S. Patent 3,408,496, October 29, 1968.