

CURRENT WELDING SPECIFICATIONS

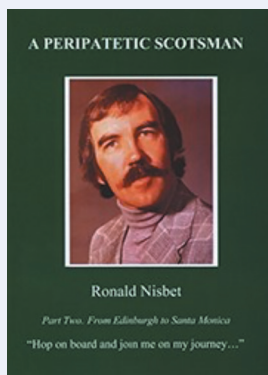


B5.1:2025, Specification for the Qualification of Welding Inspectors

is now available from the American Welding Society. This standard defines the qualifications required for welding inspectors, including relevant experience, exam, and proof of visual acuity. The exam assesses knowledge of welding processes, procedures, tests, terminology, metallurgy, mathematics, safety, and quality assurance.

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AN NDT PROFESSIONAL'S MEMOIR



The British Institute of Non-Destructive Testing (BINDT) has published the second volume of ***A Peripatetic Scotsman***, a memoir by longtime NDT veteran Ronald Nisbet, which describes early NDT methods and applications in the US as the author recounts his progression through life, including

his professional activities, travels, and personal spiritual journey.

While the first volume (124 pages) covers Nisbet's early years and life in France prior to his emigrating to the US in 1960, the second (106 pages) charts his journey from Edinburgh, Scotland, and across the US to Santa Monica, California, with various stops and stories along the way.

Both paperbacks are available for US\$45 each and all proceeds from book sales go to the BINDT Benevolent Fund. Email the author to arrange purchase.

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WEBINAR ON MATERIAL CHARACTERIZATION USING HIGHER HARMONICS



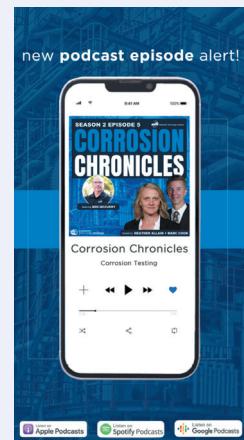
Predictive health monitoring relies on advanced sensing techniques for precise, quantitative insights into material damage. Second harmonic generation (SHG) techniques offer a cutting-edge approach by measuring absolute, strength-based material parameters, enabling accurate life predictions when paired with uncertainty models. This webinar highlights the integration of SHG techniques with physics-based models to characterize damage in metals. SHG utilizes acoustic waves for bulk, surface, and guided waves interrogation, all rooted in fundamental material physics. Applications include fatigue damage, thermal embrittlement, irradiation damage, and sensitization.

Titled **"Generation of Higher Harmonics and their Application of Material Characterization,"** this free webinar is available in the Center for Nondestructive Evaluation's webinar

archive at Iowa State University. It is presented by Laurence J. Jacobs, Senior Vice Provost for Education and Learning at the Georgia Institute of Technology and a professor of Civil and Environmental Engineering and Mechanical Engineering.

CNDE.IASTATE.EDU

CORROSION TESTING PODCAST



In the fifth episode of Season 2 of *Corrosion Chronicles*, Ben McCurry, Senior Expert of Materials Engineering and Inspection at BASF Corp., joins co-hosts Heather Allain and Marc Cook to dive into the world of **corrosion testing**. They cover a wide range of topics, including the purpose of corrosion testing, lab testing versus in-situ methods, and the use of corrosion resistance tables. The discussion explores valuable insights from sister plants, examines decision-making criteria for conducting tests, and delves into coupon design. They also tackle advanced topics like high-pressure/high-temperature data, the effects of aeration and agitation, post-exposure examination, grinding techniques for coupons, field coupon accessibility, and the impact of process conditions on field testing results.

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