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Sommario/riassunto	<p>Since their discovery in 1895, the detection of X-rays has had a strong impact on and various applications in several fields of science and human life. Impressive efforts have been made to develop new types of detectors and new techniques, aiming to obtain higher precision both in terms of energy and position. Depending on the applications, solid state detectors, microcalorimeters, and various types of spectrometers currently serve as the best options for spectroscopic and imaging detectors. Recent advancements in micron and meV precision have opened the door for groundbreaking applications in fundamental physics, medical science, astrophysics, cultural heritage, and several other fields. The aim of this Special Issue is to compile an overview, from different communities and research fields, of the most recent developments in X-ray detection and their possible impacts in various sectors, such as in exotic atom measurements, quantum physics studies, XRF, XES, EXAFS, plasma emission spectroscopy, monochromators, synchrotron radiation, telescopes, and space engineering. All the papers included in this Special Issue contribute to emphasizing the importance of X-ray detection in a very broad range of physics topics; most of these topics are covered by the published works, and several others are mentioned in the paper references, providing an interesting and very useful synopsis, from a variety of</p>

different communities and research fields, of the most recent developments in X-ray detection and their impact in fundamental research and societal applications.

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Nota di contenuto	Intro -- Foreword -- Acknowledgement of Country and recognition of mana whenua -- Notes about naming, copyright and placenames -- Words of gratitude -- Abbreviations -- List of figures -- Figure 0.0: Hester Gascoigne at home in Canberra, 2023. -- Figure 0.1: Rosalie exploring materials at a local rubbish tip, 1980s or 1990s. -- Figure 0.2: Items collected by Rosalie, at Hester Gascoigne's home, 2023. -- Figure 1.1: Rosalie's family tree. -- Figure 1.2: MacMurray Road, Remuera (left of picture) and Remuera Road on the right, looking north-west from Mt Hobson, 1920. -- Figure 1.3: Henry Hulbert Metcalfe, Rosalie's maternal grandfather. -- Figure 1.4: Rosalie's grandmother Jessie Alexander Metcalfe (née Hamilton) as a young woman. -- Figure 1.5: William Charles 'Whiskey' Walker, Rosalie's paternal grandfather. -- Figure 1.6: William Charles 'Whiskey' Walker and Annie Krauze Walker (née Franklin), Rosalie's paternal grandparents. -- Figure 1.7: St Mary's Cathedral, Parnell, where Marion and Stanley were married in 1915. -- Figure 1.8: Rosalie's father, Stanley Walker, in the remainder of his and Marion Metcalfe's wedding photo, 1915. -- Figure 1.9: Rosalie's uncle Harry, Henry Ernest 'Harry'

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Sommario/riassunto

Widely regarded as a major Australian artist, Rosalie Gascoigne first exhibited in 1974 at the age of fifty-seven. She rapidly achieved critical acclaim for her assemblages which were her response to the Monaro landscape surrounding Canberra.

