1.	Record Nr.	UNINA9910810920803321
	Titolo	Final report of the Advisory Committee on Human Radiation Experiments
	Pubbl/distr/stampa	New York, New York ; ; Oxford, [England] : , : Oxford University Press, , 1996 ©1996
	ISBN	0-19-770717-3 0-19-977140-5
	Descrizione fisica	1 online resource (655 p.)
	Disciplina	616.9897
	Soggetti	Human experimentation in medicine - United States Radiotherapy - United States Nuclear medicine - United States Medical ethics - United States Radiation victims - United States Gene therapy - United States
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Cover; Contents; Remarks; Preface; Introduction: The Atomic Century; PART I: Ethics of Human Subjects Research: A Historical Perspective; Overview; 1. Government Standards for Human Experiments: The 1940s and 1950s; 2. Postwar Professional Standards and Practices for Human Experiments; 3. Government Standards for Human Experiments: The 1960s and 1970s; 4. Ethics Standards in Retrospect; PART II: Case Studies; Overview; 5. Experiments with Plutonium, Uranium, and Polonium; 6. The AEC Program of Radioisotope Distribution; 7. Nontherapeutic Research on Children 8. Total-Body Irradiation: Problems When Research and Treatment Are Intertwined9. Prisoners: A Captive Research Population; 10. Atomic Veterans: Human Experimentation in Connection with Bomb Tests; 11. Intentional Releases: Lifting the Veil of Secrecy; 12. Observational Data Gathering; 13. Secrecy, Human Radiation Experiments, and Intentional Releases; PART III: Contemporary Projects; Overview; 14. Current

Sommario/riassunto	This book describes in fascinating detail the variety of experiments sponsored by the U.S. government in which human subjects were exposed to radiation, often without their knowledge or consent. Based on a review of hundreds of thousands of heretofore unavailable or classified documents, this Report tells a gripping story of the intricate relationship between science and the state.Under the thick veil of government secrecy, researchers conducted experiments that ranged from the mundane to such egregious violations as administering radioactive tracers to mentally retarded teenagers, injecting p

2. Record Nr.	UNINA9910372743503321
Autore	Behrndt Jussi
Titolo	Boundary Value Problems, Weyl Functions, and Differential Operators / / by Jussi Behrndt, Seppo Hassi, Henk de Snoo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2020
ISBN	3-030-36714-2
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (IX, 772 p. 1 illus.)
Collana	Monographs in Mathematics, , 2296-4886 ; ; 108
Classificazione	MAT007000MAT037000SCI064000
Disciplina	515.724
Soggetti	Operator theory Differential equations System theory Control theory Operator Theory Differential Equations Systems Theory, Control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Linear relations -- Boundary triplets and Weyl functions -- Spectra and Weyl functions -- Operator models -- Nonnegative selfadjoint extensions -- Sturm-Liouville operators -- Canonical systems -- Schr•odinger operators -- Sums of closed subspaces in a Hilbert space -- Factorization of bounded linear operators -- Integral representations of Carathéodory functions -- The integral representation of Nevanlinna functions.
Sommario/riassunto	This open access book presents a comprehensive survey of modern operator techniques for boundary value problems and spectral theory, employing abstract boundary mappings and Weyl functions. It includes self-contained treatments of the extension theory of symmetric operators and relations, spectral characterizations of selfadjoint operators in terms of the analytic properties of Weyl functions, form methods for semibounded operators, and functional analytic models for reproducing kernel Hilbert spaces. Further, it illustrates these abstract methods for various applications, including Sturm-Liouville

operators, canonical systems of differential equations, and multidimensional Schrödinger operators, where the abstract Weyl function appears as either the classical Titchmarsh-Weyl coefficient or the Dirichlet-to-Neumann map. The book is a valuable reference text for researchers in the areas of differential equations, functional analysis, mathematical physics, and system theory.Moreover, thanks to its detailed exposition of the theory, it is also accessible and useful for advanced students and researchers in other branches of natural sciences and engineering.