

1. Record Nr.	UNISA996477970703316
Titolo	Transactions of the International Astronomical Union
Pubbl/distr/stampa	London, : Imperial College Bookstall, [1922]- Cambridge : , : Cambridge University Press
ISSN	2059-9250
Descrizione fisica	1 online resource
Disciplina	520.6
Soggetti	Astronomy Astronomie astronomy 39.00 astronomy: general Sterrenkunde Astronomia periodicals. Periodicals Zeitschrift Congresses (form) Periodicals. Périodiques.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	At head of title: v. 1-3, International Research Council, International Astronomical Union; v. 4-14 International Council of Scientific Unions, International Astronomical Union. Imprint varies: Cambridge [England] : Cambridge University Press, 1929-1960; London; New York : Academic Press, 1962-; Dordrecht : D. Reidel Pub. Co., <1982->; Dordrecht; Boston : Kluwer Academic, <1996->; Cambridge : Cambridge University Press, <2007->

2. Record Nr.	UNINA9910790629203321
Autore	Schweber S. S (Silvan S.)
Titolo	In the shadow of the bomb : Oppenheimer, Bethe, and the moral responsibility of the scientist // S.S. Schweber
Pubbl/distr/stampa	Princeton, New Jersey : , : Princeton University Press, , [2000] ©2000
ISBN	0-691-04989-0 1-4008-4949-7
Edizione	[Core Textbook]
Descrizione fisica	1 online resource (279 p.)
Collana	Princeton Series in Physics ; ; 39 Princeton series in physics
Disciplina	172/.422
Soggetti	Atomic bomb - Moral and ethical aspects - United States Nuclear physicists - 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 (pages 239-255) and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Acknowledgments -- Introduction -- 1. What is Enlightenment? -- 2. J. Robert Oppenheimer -- 3. Hans Bethe -- 4. The Challenge of McCarthyism -- 5. Nuclear Weapons -- 6. On Science and Society -- Epilogue -- Notes to the Chapters -- Bibliography -- Index
Sommario/riassunto	In the Shadow of the Bomb narrates how two charismatic, exceptionally talented physicists--J. Robert Oppenheimer and Hans A. Bethe--came to terms with the nuclear weapons they helped to create. In 1945, the United States dropped the bomb, and physicists were forced to contemplate disquieting questions about their roles and responsibilities. When the Cold War followed, they were confronted with political demands for their loyalty and McCarthyism's threats to academic freedom. By examining how Oppenheimer and Bethe--two men with similar backgrounds but divergent aspirations and characters--struggled with these moral dilemmas, one of our foremost historians of physics tells the story of modern physics, the development of atomic weapons, and the Cold War. Oppenheimer and Bethe led parallel lives. Both received liberal educations that emphasized moral as well as intellectual growth. Both were outstanding

theoreticians who worked on the atom bomb at Los Alamos. Both advised the government on nuclear issues, and both resisted the development of the hydrogen bomb. Both were, in their youth, sympathetic to liberal causes, and both were later called to defend the United States against Soviet communism and colleagues against anti-Communist crusaders. Finally, both prized scientific community as a salve to the apparent failure of Enlightenment values. Yet, their responses to the use of the atom bomb, the testing of the hydrogen bomb, and the treachery of domestic politics differed markedly. Bethe, who drew confidence from scientific achievement and integration into the physics community, preserved a deep integrity. By accepting a modest role, he continued to influence policy and contributed to the nuclear test ban treaty of 1963. In contrast, Oppenheimer first embodied a new scientific persona--the scientist who creates knowledge and technology affecting all humanity and boldly addresses their impact--and then could not carry its burden. His desire to retain insider status, combined with his isolation from creative work and collegial scientific community, led him to compromise principles and, ironically, to lose prestige and fall victim to other insiders. Schweber draws on his vast knowledge of science and its history--in addition to his unique access to the personalities involved--to tell a tale of two men that will enthrall readers interested in science, history, and the lives and minds of great thinkers.

3. Record Nr.	UNINA9910789934003321
Autore	Gould James L. <1945->
Titolo	Nature's compass [[electronic resource]] : the mystery of animal navigation / / James L. Gould, Carol Grant Gould
Pubbl/distr/stampa	Princeton, : Princeton University Press, c2012
ISBN	1-280-49415-8 9786613589385 1-4008-4166-6
Edizione	[Course Book]
Descrizione fisica	1 online resource (311 p.)
Collana	Science essentials
Altri autori (Persone)	GouldCarol Grant
Disciplina	591.56/8
Soggetti	Animal navigation Animal orientation
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	Frontmatter -- Contents -- Preface -- Acknowledgments -- Chapter 1. Navigating-Problems and Strategies -- Chapter 2. When and Where -- Chapter 3. A Matter of Time -- Chapter 4. Insect Compasses -- Chapter 5. Vertebrate Compasses -- Chapter 6. Piloting and Inertial Navigation -- Chapter 7. The Map Sense -- Chapter 8. Migration and the Future: Conservation and Extinction -- Bibliography -- Illustration Credits -- Index
Sommario/riassunto	We know that animals cross miles of water, land, and sky with pinpoint precision on a daily basis. But it is only in recent years that scientists have learned how these astounding feats of navigation are actually accomplished. With colorful and thorough detail, <i>Nature's Compass</i> explores the remarkable methods by which animals find their way both near home and around the globe. Noted biologist James Gould and popular science writer Carol Gould delve into the elegant strategies and fail-safe backup systems, the invisible sensitivities and mysterious forces, and incredible mental abilities used by familiar and rare species, as they investigate a multitude of navigation strategies, from the simple to the astonishing. The Goulds discuss how animals navigate, without instruments and training, at a level far beyond human talents. They explain how animals measure time and show how the fragile monarch

butterfly employs an internal clock, calendar, compass, and map to commence and measure the two-thousand-mile annual journey to Mexico--all with a brain that weighs only a few thousandths of an ounce. They look at honey bees and how they rely on the sun and mental maps to locate landmarks such as nests and flowers. And they examine whether long-distance migrants, such as the homing pigeon, depend on a global positioning system to let them know where they are. Ultimately, the authors ask if the disruption of migratory paths through habitat destruction and global warming is affecting and endangering animal species. Providing a comprehensive picture of animal navigation and migration, *Nature's Compass* decodes the mysteries of this extraordinary aspect of natural behavior.
