

1. Record Nr.	UNINA9910254593003321
Autore	Frater R.H
Titolo	Four Pillars of Radio Astronomy: Mills, Christiansen, Wild, Bracewell [[electronic resource] /] / by R.H. Frater, W.M. Goss, H.W. Wendt
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-65599-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVII, 199 p. 145 illus., 36 illus. in color.)
Collana	Astronomers' Universe, , 1614-659X
Disciplina	522.682
Soggetti	Astronomy Observations, Astronomical Astronomy—Observations History Electronic circuits Microwaves Optical engineering Popular Science in Astronomy Astronomy, Observations and Techniques History of Science Electronic Circuits and Devices Microwaves, RF and Optical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- The Early Years -- Pawsey – Grand old man of Radio Astronomy -- The Rebirth of Fleurs - Christiansen -- The Radioheliograph and Beyond - Wild -- The One Mile Cross - Mills -- A Transformed World - Bracewell -- Discussion -- Conclusions.
Sommario/riassunto	This is the story of Bernie Mills, Chris Christiansen, Paul Wild and Ron Bracewell, members of a team of radio astronomers that would lead Australia, and the world, into this new field of research. Each of the four is remembered for his remarkable work: Mills for the development the cross type instrument that now bears his name; Christiansen for the

application of rotational synthesis techniques; Wild for the masterful joining of observations and theory to elicit the nature of the solar atmosphere; Bracewell for his contribution to imaging theory. As well, these Four Pillars are remembered for creating a remarkable environment for scientific discovery and for influencing the careers of future generations. Their pursuit of basic science helped pave the way for technological developments in areas ranging from Wi-Fi to sonar to medical imaging to air navigation, and for underpinning the foundations of modern cosmology and astrophysics.
