

Entrepreneurs Navigating a Universe of Disruption

Gerard Anthony Reed

palgrave macmillan

Entrepreneurs Navigating a Universe of Disruption

Gerard Anthony Reed

Entrepreneurs Navigating a Universe of Disruption



Gerard Anthony Reed Australian Film Television and Radio School (AFTRS) Moore Park, NSW, Australia

ISBN 978-981-19-0702-9 ISBN 978-981-19-0703-6 (eBook) https://doi.org/10.1007/978-981-19-0703-6

 $\ \, \mathbb O$ The Editor(s) (if applicable) and The Author(s), under exclusive licence to Springer Nature Singapore Pte Ltd. 2022

This work is subject to copyright. All rights are solely and exclusively licensed by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use. The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Palgrave Macmillan imprint is published by the registered company Springer Nature Singapore Pte Ltd.

The registered company address is: 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore



ACKNOWLEDGEMENTS

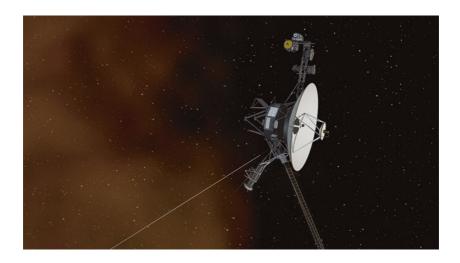
I wish to express my sincere appreciation to those who have journeyed with me over the years, and especially the recent past, and to those who will continue the journey we have begun, either with me or independently. I am also grateful to all of my students who have provided an opportunity to share this journey and to learn from their varied and diverse experiences, to an array of inspired and inspirational teachers, including my mother a schoolteacher for many decades, and to those whom I have met throughout the years, whether at school, college, institute, university, in employment or whilst travelling; to my children who always provide the greatest insight into the contemporary era, as well as a keen connectivity to the present.

With specific reference I would like to especially thank Maija Howe for ever expansive and insightful research collaborations, intriguing and productive discussions, for goal setting and reading early drafts of the work, and providing inspiring commentary, at crucial points where it has been most assisting. Jess Gillan and Andrew George for their most valuable and appreciated insights regarding the *parabolic scramble* framework usage as well as enlightening discussions across a range of relevant and applied topics. Eleanor (Elle) Cook for her loyalty and devoted friendship, Lucinda Peters for an ever-caring concern and compassion, Sophie Alstergren for her grace and humour, and my sisters, Catherine and Alice, for being always there, ever supportive and forever willing to embark upon an adventure. Peter Herbert for demonstrating expansive perspectives whilst exploring the levers of innovation, David Balfour, Jane Newton, Martin Hersov, Stephen Murphy, Dr Alejandra Canales, Melba Proestos, Maddie

Connolly, Cody Jarrett, Melanie Morningstar, Susan Danta, Dr Marty Murphy, Dr Pieter Aquilia, Dr Nell Greenwood, the generous and supportive staff of The Jerzy Toeplitz Library and my colleagues at the Australian Film Television and Radio School (AFTRS) who have assisted and facilitated the application of the *parabolic scramble* framework in a variety of ways.

To my co-researchers, Dr Liudmila (Mila) Tarabashkina, Professor Noel Lindsay, Dr Safiya Mukhtar Alshibani, Associate Professor Allan O'Connor and colleagues in research and academic pursuits, the late Dr Andrew Finegan, Dr Barry Elsey, Dr Matthew McKinlay, Professor Selva Abraham, Professor Michael Wilmore, Dr Najmeh Hassanli, Dr Graciela Corral de Zubielqui, I wish to express my gratitude for their combined knowledge, remarkable assistance with research and many important insights.

Academic editor, Barbara Brougham, has been a highly valued and consistent point of reference for me, in terms of content, and developments with an ever-evolving discussion across the submission of the manuscript for which I am also most grateful. Graphic designer, Xavier Tarren-Sweeney, for additional assistance with content formatting, layout of manuscript and responsiveness with innovative inclusions. I would also like to acknowledge Dr Vanna Morosini, who travelled the years of development and discoveries with me, including the emergent framework of the *parabolic scramble*, and was witness to much innovation and experimentation. And finally, to the future focused inspiration of the late Dr Dennis List, and the ever-innovative forward thinking of my late father, each of whom prepared the core foundations of this book, and to whom this work is dedicated.



An artist's impression of the Voyager 2 probe entering interstellar space and a continuing journey into the unknown until it is known. (Image credit - NASA/ JPL-Caltech)

ABOUT THIS BOOK

This book details the exploratory stages of a research study that produced a framework for entrepreneurial endeavour and enterprise. It presents an unfolding discussion, throughout its chapters, regarding the entrepreneurial nature potential within us all, and the modes by which those involved in such activity, and associated innovative discoveries, can be informed by the skills and experience already in their possession.

The book also provides, through its structure, a tool by which the entrepreneur, innovator, educator, student or those yet-to-be involved in the entrepreneurial arena can plan for the yet-to-be known eventualities of such endeavour.

The *parabolic scramble* framework is backgrounded across the discussion of entrepreneurship and the necessity to deal with the tangible and intangible of any venture, as well as other considered aspects that the entrepreneurial journey engenders.



Image Credit: NASA

Contents

1	The Spirit of an Entrepreneurial Age	1
2	Establishing the Means to Navigate the Unknown	53
3	Entrepreneurs Dynamically Innovating	87
4	The Continuing Journey into the Unknown Universe	101
5	The Use of the Parabolic Scramble Framework	115
Appendices		125
Bibliography		131
Index		151

ABOUT THE AUTHOR

Dr Gerard Reed is a Senior Lecturer in Screen Business at the Australian Film Television and Radio School (AFTRS) and has experience in economic development with an emphasis on entrepreneurial and innovative screen business practices developed through post-graduate studies at The University of Adelaide's Entrepreneurship, Commercialisation and Innovation Centre (ECIC), and involvement with the South Australia Department of State Development and across industry. As subject leader, for the Master of Arts Screen: Business (MASB) and Master of Arts Screen: Business and Leadership (MASBL), Gerard actively pursues industry-related applied technological innovation inclusions for the screen and audio sector, across course materials, and their delivery.

In his professional capacity, Gerard has experience as a producer, director, writer, director of photography, editor, narrator and researcher for factual programming, with a specialisation in documentary produced formats, across platform and broadcast television applications. He has completed scripting, and production, for television documentary programming funded by the South Australian Film Corporation (SAFC), Screen Australia, Foxtel, A+E Networks International, and the Australian Broadcasting Corporation (ABC). Gerard holds a PhD in Entrepreneurship and a Master of Entrepreneurship degree from The University of Adelaide, Entrepreneurship, Commercialisation, and Innovation Centre (ECIC), a Master of Arts degree from the University of the Arts, London (UAL), and a Bachelor of Arts degree from the University of New South Wales (UNSW), Australia.



Photograph by Justine Kerrigan ACS of the author at the Australian Film Television and Radio School (AFTRS) $\,$

ABBREVIATIONS

ABC TV Australian Broadcasting Corporation Television

AEE Adelaide Entrepreneurial Ecosystem

AFC Australian Film Commission
AFTRS Australian Film Television and Radio School

AI Artificial Intelligence

ANZAC Australian and New Zealand Army Corps

ATO Australian Tax Office

AVA Australian Volunteers Abroad

BAFTA British Academy of Film and Television Arts

BFI British Film Institute

CMR Computer Mediated Reality

ECIC Entrepreneurship, Commercialisation and Innovation Centre

GMH General Motors Holden GPO General Post Office HMS His Majesty's Ship JFK John Fitzgerald Kennedy

JPL NASA Jet Propulsion Laboratory LCC London College of Communication

LCP London College of Printing

LCPDT London College of Printing and Distributive Trades

ML Machine Learning MR Mixed Reality

NASA National Aeronautics and Space Administration

POW Prisoner of War

QAPE Qualifying Australian Production Expense REME Royal Electrical Mechanical Engineers SAFC South Australian Film Corporation

xviii ABBREVIATIONS

SECRC Senate Environment and Communications References Committee

SIDK Smiths Industries Diesel Kiki Pty Ltd

SPA Screen Producers Australia
TQM Total Quality Management
UAL University of the Arts, London
UNSW University of New South Wales

USA United States of America

List of Figures

Fig. 1.1	Business Card with logo of S.I.D.KSmiths Industries Diesel	
	Kiki Pty Ltd (Photograph by Author)	7
Fig. 1.2	Envelope from S.I.D.KSmiths Industries Diesel Kiki Pty	
	Ltd at Tokyo, Japan. (Photograph by Author)	9
Fig. 1.3	Parabolic scramble in four dimensions as sketched.	
	(Photograph and drawing by Author)	10
Fig. 1.4	The Arrest of Governor William Bligh at Government	
	House, circa 1808	15
Fig. 1.5	HMS Bounty mutineers turning Captain William Bligh	
	R.N. and crew loyal to him adrift, by Robert Dodd 1790	16
Fig. 1.6	The NeXT Computer, Inc., on display (right of frame) at the	
	Powerhouse Museum at Sydney, Australia. (Photograph by	
	Author)	18
Fig. 1.7	Systems view of creativity. (Prepared by Author based on	
	Mihaly Csikszentmihalyi 1999)	22
Fig. 1.8	The Kuhn Cycle (Kuhn 1970, 1996, 2011; Pajares 2013;	
	The Kuhn Cycle 2012). (Prepared by Author)	28
Fig. 1.9	The Kuhn Cycle (Kuhn 1970, 1996, 2011; Pajares 2013;	
	The Kuhn Cycle 2012). (Prepared by Author)	37
Fig. 1.10	Scramble crossing, King William Street intersecting Waymouth	
	and Pirie Streets in the City of Adelaide. (Photograph by Author)	42
Fig. 1.11	Notebook entries documenting the <i>parabolic scramble</i> and its	
	potential utility. (Photograph and drawing by Author)	44
Fig. 1.12a	A police officer orchestrating the scramble crossing.	
	(Photograph by Author)	45
Fig. 1.12b	A police officer orchestrating the scramble crossing.	
	(Photograph by Author)	45