



NSW Rural Fire Service Library

New books, articles and reports in your library this month

The library service has been operating on reduced staffing hours during the past few months due to the bush fire activity and the librarian helping in State Logistics. As a result, some time has elapsed since telling you about the latest bush fire related resources published. This latest list promotes the new book titles that have been added into your library over summer, including Tom Frame's book on Gun Control in Australia, Expeditions unpacked : what the great explorers took into the unknown, Mobile technology and the transformation of public alert and warning, and Malibu Burning. I am now back in the library (enjoying the soft lighting and quiet atmosphere) and rather look forward to answering your library queries.

Contact your librarian Katie to borrow any of the books or to request articles at rfs.library@rfs.nsw.gov.au

FIRE INCIDENTS – AUSTRALIAN



The current issue of **Australian Journal of Emergency Management** is now available online, focusing on the resilience and the recovery by communities and their members after bushfires. *The January issue can be downloaded [here](#).*

Bushfire Recovery Resources

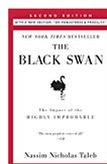
The Australian Institute for Disaster Resilience is developing Knowledge-into-Action briefs for people who are supporting communities to recover from the bushfire crisis.

Use the [AIDR link](#) to read more about and access these guides

Bushfire Glossary – where is it now?

The 2012 Bushfire Glossary has been updated and is part of the online Australian Institute for Disaster Resilience (AIDR) Glossary located on their knowledge hub, located [here](#). Use the search box to locate your chosen term. You are able to create a favourites list and export these to a

EMERGENCY MANAGEMENT



[The black swan : the impact of the highly improbable](#) (Book)

Nassim Taleb, 2010

This book is all about Black Swans: highly improbable events, from bestsellers to world disasters, with three principal characteristics: They are unpredictable; carry a massive impact; and, after the fact, we concoct an explanation that makes it appear less random, and more predictable, than it was.

Use [The New York Times link](#) to read a chapter from this book.

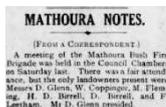
Please contact the library to request a loan of this book

NSW Lessons Management Framework

Following an incident, exercise or review, there is an opportunity to identify lessons and learn. In October last year (it has been a while between our library new resources lists!) the NSW Office of Emergency Management developed a Lessons Management Framework. More on this LMF can be found on their website [here](#).

PDF, though you need to register (free) with AIDR to perform this neat trick.

To register, click [here](#)



[Mathoura Rural Fire Brigade : 1915-2015](#) (Book)

In 1915 the Mathoura Bush Fire Brigade was formed. Published by the brigade, this book records their history, including many photos, of serving the district for 100 years.

The library has a collection of bush fire brigade histories they have been generously donated over the years, these books are listed [here](#)

FIRE INCIDENTS – INTERNATIONAL



[Malibu burning : the real story behind LA's most devastating wildfire](#) (Book)

Robert Kerbeck, 2019

Go deep behind the scenes of the most destructive wildfire in Los Angeles history. Blending investigative journalism and personal memoir, Malibu Burning brings you on the dramatic, life-threatening journey of real people fighting 2,000 degree flames to save entire neighbourhoods.

Please contact the library to request a loan of this book

[A year after Greece's wildfire disaster](#) (Magazine article)

Crisis Response Journal, Vol 14, no 4

Greece experienced the second deadliest fire in the 21st century in 2018 – with 102 fatalities, 150 injuries and extensive damage. The Government appointed an independent committee of wildland fire experts to look at what went so badly wrong, and prevent the repetition of such a tragedy.

[Wayfinding during a wildfire evacuation](#) (Journal article)

Disaster Prevention and Management, Dec 2019

Emergency evacuation plans are often developed under the assumption that evacuees will use wayfinding strategies such as taking the shortest distance route to their nearest exit. The purpose of this paper is to analyse empirical data from a wildfire evacuation to determine whether evacuees took a shortest distance route to their nearest exit and to identify any alternate wayfinding strategies that they may have used.

Please contact the library to request a copy of this article
NSW RFS Staff and SES HQ Staff may use this [Emerald link](#) to access the article at work

The release also included this [short brochure](#) on how to write good observations.



[Waiting for the big one : risk, science, experience, and culture in disaster preparedness](#) (Book)

Charlotte Mazel-Cabasse, 2019

This book helps understand how the future Big One (a large-scale and often-predicted earthquake) is understood, defined, and mitigated by experts, scientists, and residents in the US San Francisco Bay Area. Through in-depth interviews, the book provides a rarely seen anthropology of risk from the perspective of experts, scientists, and concerned residents for whom the possibility of partial or complete destruction of their living environment is a constant companion of their everyday lives.

Please contact the library to request a loan of this book



[Futureproof : how to build resilience in an uncertain world](#) (Book)

Jon Coaffee, 2019

In this journey through modern and ancient risk management practices, the author explains why we need to find a new way to navigate the deeply uncertain world that we live in. Examining how governments have responded to terrorist threats, climate change, and natural disasters, Coaffee shows how and why these measures have proven inadequate and what should be done to make us more resilient.

Please contact the library to request a loan of this book.

[Thai cave rescue: A volunteer's perspective](#) (Magazine article)

Crisis Response Journal, Vol 14, no 4

The world watched aghast as reports emerged of a junior football team and its coach becoming trapped deep underground in a flooded cave system in Thailand last year. International rescuers and volunteers joined the Thai authorities in an extraordinary and lengthy rescue attempt – here, Emily Hough speaks to one of the specialist cave diver volunteers for his personal perspective on the incident

LAND MANAGEMENT

[Community-based control of invasive species](#) (Book)

CSIRO Publishing, 2019

The current issue of **Wildfire** is now available online focusing on Californian and Australian fires.

The January-March 2020 issue can be downloaded [here](#).



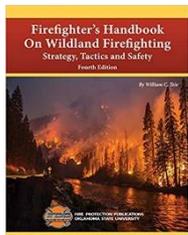
FIRE MANAGEMENT

Contemporary Aboriginal savanna burning projects in Arnhem Land: a regional description and analysis of the fire management aspirations of Traditional Owners
(Journal article)

International Journal of Wildland Fire, Online Nov 2019

The growth of the carbon industry in Australia over the last decade has seen an increase in the number of eligible offsets projects utilising the savanna burning methods in northern Australia. Many of these projects are operated by Aboriginal people on Aboriginal lands utilising local Aboriginal knowledge and customary burning practice. Use this [CSIRO link](#) to read the article online.

FIREFIGHTING



[Firefighter's handbook on wildland firefighting](#) (Book)

William C Teie, 2018

The new 4th Edition of this bestselling book by USA wildland firefighting author, Bill Teie is updated to address the most current NFPA and National Wildfire Coordinating Group (NWCG) standards

and qualifications for wildland firefighting. This book is written for the fire personnel who need a basic understanding of wildland firefighting.

Please contact the library to request a loan of this book

FIRE BEHAVIOUR

Human-sparked fires smaller, less intense but more frequent with longer seasons (*ScienceDaily News article*)

University of Colorado at Boulder, 22 Jan 2020

Fires started by people have steadily increased in recent decades, sparking a major shift in U.S. wildfire norms, according to a new study. The research found human-caused wildfires are more frequent, smaller, less hot and occur over longer seasons than fires started by lightning.



Based on five years of research involving scholars, government and citizen groups in Australia and the United States, this book examines questions including, 'how can citizens be engaged in voluntarily managing invasive species?', 'what communication strategies will ensure good motivation and coordination?' and 'how can governing bodies support citizens in their efforts?'. This book will be a valuable reference for researchers and practitioners involved in natural resources management and invasive species issues.

Please contact the library to request a loan of this book.



[The Wooleen way : renewing an Australian resource](#) (Book)

David Pollock, 2019

A remarkable memoir by David Pollock exposing the modern-day realities of managing a remote outback station and the unswerving commitment to renew the severely degraded land on Wooleen, a massive pastoral property in Western Australia's southern rangelands. This is an urgent story of political irresponsibility, bureaucratic obstinacy, industrial monopolisation, and, above all, ecological illiteracy in a vast segment of the Australian continent. It is a story of overexploitation.

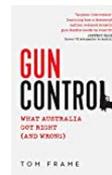
Please contact the library to request a loan of this book.

Australian Story visited Woolen in 2014 and the program can be viewed using this [ABC link](#)

GENERAL

[Gun control : what Australia got right \(and wrong\)](#) (Book)

Tom Frame, 2019



In the aftermath of the Port Arthur massacre on 28 April 1996 John Howard, a conservative prime minister who had been in office for just six weeks, moved swiftly to revolutionise Australia's gun control laws. Gun Control draws on interviews with those who supported and opposed the new laws, and asks whether the aftermath of the tragedy might have been a lost opportunity to achieve much more than simply preventing a repeat of Port Arthur

Please contact the library to request a loan of this book.

[Three Steel Teeth : Wide Comb Shears and Woolshed Wars](#) (Book)

Mark Filmer, 2019

Use this [ScienceDaily link](#) to read the news article online.

Effect of woody debris on fire behaviour (Online article)
CSIRO Pyropage Issue 25, October 2019

This issue reports on the outcomes of a recently published study investigating the effect of woody debris—fallen branches 6-50 mm in diameter—on the behaviour of fires burning in litter fuels. This study was conducted in the CSIRO Pyrotron under conditions representative of prescribed burning and studied fires burning with the wind (heading fires) and against the wind (backing fires).
Use this [CSIRO link](#) to read the issue online

The effect of fuel bed height in grass fire spread: addressing the findings and recommendations of Moinuddin et al. (2018) (Journal article)

International Journal of Wildland Fire, Online Feb 2020

An analysis found that a reduction in grass height, with or without removal of the cut fuel and regardless of the Froude number, led to a significant reduction in rate of fire spread, a result opposite to the simulations obtained by Moinuddin et al. (2018).

Please contact the library to request a copy of this article.

Two methods for calculating wildland fire rate of forward spread (Journal article)

International Journal of Wildland Fire, Online Feb 2020

Two methods commonly used to determine spread rate are the cumulative spread rate, calculated as the total distance travelled by a fire divided by the total time of travel, and the interval spread rate, calculated using the minimum time and maximum distance between observations. This paper analyses the differences between these two methods using experimental fires conducted in dry eucalypt forest leaf litter

Please contact the library to request a copy of this article.

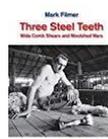
Frequency of Dynamic Fire Behaviours in Australian Forest Environments (Journal article)

Fire, Vol 1 no 1, March 2020

Fires in which dynamic fire behaviours (DFBs) occur contribute disproportionately to damage statistics. Little quantitative data on the frequency at which DFBs occur exists. To address this problem, we conducted a structured survey using staff from fire and land management agencies in Australia regarding their experiences with DFBs.

Use this [MDPI link](#) to read the article online.

Physics-based simulation of short-range spotting in wildfires (Thesis)



Australia's wool growing industry descended into chaos during the early 1980s when a small group of 'rebel' shearers started advocating for a seemingly minor change. The rebels, led by gun shearer Robert White, wanted 13-tooth shearing combs legalised. This is the first detailed account of an industrial dispute that revolutionised Australia's iconic shearing industry and led to the demise of the AWU in the industry after it refused to embrace technological change.

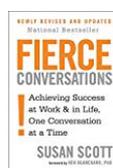
Please contact the library to request a loan of this book.



Expeditions unpacked : what the great explorers took into the unknown (Book)
Ed Stafford, 2019

Through carefully curated photographs and illustrations the scale, style and complexity of the items taken into the unknown by the greatest explorers, including Jacques Cousteau, Amelia Earhart, Sir Edmund Hilary, and the impact each item had on their journey. How it potentially saved a life, or was purely for comfort or entertainment, and how these objects of survival have evolved and adapted as science advances, and we plunge further into the extremes.

Please contact the library to request a loan of this book.

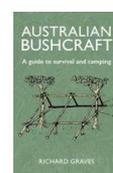


Fierce conversations : achieving success at work & in life, one conversation at a time (Book)

Susan Scott, 2017

In this revised edition of Fierce Conversations, Susan Scott gives you the tools to transform the conversations central to your success, and teaches you how to fiercely and honestly cut through the noise and clutter. Packed with case studies, exercises and questionnaires, Fierce Conversations shows you how to bring about real change in the workplace and at home.

Please contact the library to request a loan of this book.



Australian bushcraft : a guide to survival and camping (Book)

Richard Graves, 2019

This edition has been revised by the author's grandson, originally ten volumes published in 1950, it is now an easily portable book. This book explains how to make use of natural materials for both survival and pleasure. It describes many of the skills used by primitive man, and adds to these skills necessary for survival today.

Please contact the library to request a loan of this book.

R Wadhvani, Victoria University, January 2020

Despite the massive importance of short-range firebrands, little research has been conducted because of the safety risks and challenges of fire to emergency service personnel and to the remote equipment like collection boxes, IR cameras, UAVs, which could be used by researchers to quantify and measure fire properties. An operational model to represent the transport of short-range firebrand and their likelihood to ignite surface fuel could be developed from a numerical model.

Use this [VU link](#) to read the article online.

PRESCRIBED BURNS

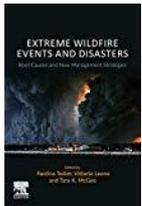
Setting controlled fires to avoid wildfires (*ScienceDaily News article*)

Stanford University, 20 January 2020

Despite having proven effective at reducing wildfire risks, prescribed burns have been stymied by perceived and real risks, regulations and resource shortages. A new analysis on Californian fires highlights ways of overcoming those barriers, offering solutions for wildfire-ravaged landscapes.

Use this [ScienceDaily link](#) to read the news article online

FIRE MITIGATION



[Extreme wildfire events and disasters : root causes and new management strategies](#) (Book)

Fantina Tedim, 2019

Under the guidance of its expert editors, the book highlights new ways to prevent and respond to extreme wildfire events and disasters through sustainable development, thus revealing better management methods and increasing protection of both the natural environment and the vulnerable communities within it.

Please contact the library to request a loan of this book.

RECOVERY

Barriers and enablers in the long term recovery of communities affected by natural hazards: a review of the literature (*Online report*)

Bushfire & Natural Hazards CRC, January 2020

GOVERNMENT



[Trials and transformations 2001-2004 : the Howard government](#) (Book)

Edited by Tom Frame, 2019

The third volume in the series examines the Howard Government's electoral revival in 2001, the collapse of HIH Insurance and Ansett Airlines, and the MV Tampa and 'children overboard' affairs as well as the military invasions of Afghanistan and Iraq. Simon Crean, Philip Ruddock, John Howard and others also consider the escalation of the history wars, policy announcements in health and the environment, and the continuing strong performance of the Australian economy.

Please contact the library to request a loan of this book or the other two volumes.

MENTAL HEALTH & INCIDENT STRESS



[Every thing is f*cked : a book about hope](#) (Book)

Mark Manson, 2019

From the author of *The Subtle Art of Not Giving A F*ck* (also available from your library) comes a counterintuitive guide to the problems of hope. The author dissects religion and politics. He looks at our relationships with money, entertainment and the internet, and how too much of a good thing can psychologically eat us alive.

Please contact the library to request a loan of this book.

Recruit firefighters: a longitudinal investigation of mental health and work (*Journal article*)

International Journal of Emergency Services, Nov 2019

The purpose of this paper is to examine the contribution of work to self-reported mental health symptoms in fire service members, the survey was with all members of a fire department in a small northern centre in British Columbia.

Please contact the library to request a copy of this article
NSW RFS Staff and SES HQ Staff may use this [Emerald link](#) to access the article at work

More books on this topic are found in our library's [Mental Health and You collection](#)

This report for the Bushfire and Natural Hazards CRC reviews Australian and international literature on the long term recovery of communities that have been impacted by natural hazards. It focuses upon the barriers and the enablers of effective long term recovery.

Use this [BNHCRC link](#) to read the report online.

AVIATION AND DRONES

NSW Aerial Firefighting Tankers (Magazine article)

Air Attack, 18 Jan 2020

Fixed-wing firefighting aircraft play a major role in combating wildfires. Air Attack takes a closer look at the fixed-wing fleet of water bombers in action in New South Wales during the recent bushfires.

Use this [Airops link](#) to read the article online.

EMERGENCY COMMUNICATIONS

Why don't bushfire warnings work as intended?

Responses to official warnings during bushfires in New South Wales, Australia (Journal article)

International Journal of Disaster Risk Reduction
Volume 45, May 2020

This paper examines how people threatened and affected by bushfires in New South Wales, Australia, in 2017 understood, interpreted and acted upon warning messages they received. Results indicate that while most people found warnings easy to understand and useful, many did not respond in ways intended by fire services.

Please contact the library to request a copy of this article.



[Mobile technology and the transformation of public alert and warning](#) (Book)

Hamilton Bean, 2019

This book provides the inside story of the development of mobile public alert and warning technology in the United States and addresses similar systems being used in Australia, Canada, Japan, and the Netherlands. Recent events have vaulted mobile alert and warning technology to the forefront of public debates concerning the hazards of the digital age. False alarms of ballistic missile attacks on Hawaii and Japan, the non-use of mobile alerts during the Northern California wildfires, and the role this technology plays in supporting police manhunts and counterterrorism efforts have prompted reconsideration of how these systems are used.

HEALTH AND SAFETY



Australian Men's Health is new to our Flipster online magazine collection.

According to the publisher this is the magazine that "dispenses useful information about fitness, health, sex and nutrition with humour, a wink and a kick in the butt".

[Contact the library](#) for the password embedded link for our online magazine collection.

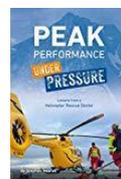
Seasonal changes in wildland firefighter fitness and body composition (Journal article)

International Journal of Wildland Fire, Online Feb 2020

Hiking with a pack is the highest-intensity task that wildland firefighters (WLFFs) perform during sustained activities related to wildland fire suppression. Firefighters perform this and other tasks together as a crew; this provides a unique model to evaluate select physical and physiological changes in members of working crews over a fire season during extended operations.

Please contact the library to request a copy of this article

LEADERSHIP AND MANAGEMENT



[Peak performance under pressure : lessons from a helicopter rescue doctor](#) (Book)

Stephen Hearn, 2019

Drawing on 20 years of leadership experience in high pressure emergency medical and rescue situations, the author describes the

consequences of pressure, both positive and negative, and teaches the strategies we need to attain states of peak performance.

Please contact the library to request a loan of this book.



[Soft is the new hard : how to communicate effectively under pressure](#) (Book)

Leah Mether, 2019

Do you have days when you feel like you're communicating with toddlers? Are you tired of dealing with sulking, tantrums, personality clashes and poor performance? If you are not getting the results you need as a high-performance leader, this book is for you. In it, you will learn a new approach to communication that will improve your leadership effectiveness.

Please contact the library to request a loan of this book.

Please contact the library to request a loan of this book.

When all else fails: amateur radio becomes lifeline of communications during a disaster (*Journal article*)
International Journal of Emergency Services, December 2019

The purpose of this paper is to explore the past events where communication challenges have occurred during a disaster, and events in which amateur radio had played a vital role in creating reliable communication links during the disaster response. Furthermore, this paper identifies the modern technology available with amateur radio operators that can be used to create reliable communication networks in order to meet the high demand of disaster communication.

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METEOROLOGY AND CLIMATOLOGY

Climate change increases the risk of wildfires confirms new review (*ScienceDaily News article*)
University of East Anglia, 14 January 2020

Human-induced climate change promotes the conditions on which wildfires depend, increasing their likelihood -- according to a review of research on global climate change and wildfire risk.

Use this [ScienceDaily link](#) to read the news article online.

COMMUNITY RESILIENCE

Working outside 'the rules': Opportunities and challenges of community participation in risk reduction (*Journal article*)
International Journal of Disaster Risk Reduction
April 2020

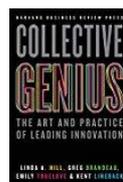
This paper examines the experiences and views of CFU members after bushfires in the Blue Mountains, NSW in October 2013. The majority of respondents believed that their participation in the CFU program reduced bushfire risk and led to a greater sense of community and social capital in their local area. However, the research revealed challenges associated with participating within the formal, top-down structures of a professional fire brigade.

Please contact the library to request a copy of this article.

Breaking the waves: Leadership during crisis (*Magazine article*)

Crisis Response Journal, Vol 14, no 4

Anger, confusion, fear, mistrust. Pressure in many forms beating down on you from every direction – time is against you, your board of directors and shareholders may or may not remain with you. Every move you make, every mistake you make, every false step or misspoken word can result in failure or even loss of life. Welcome to leadership during a crisis, says Stephen Grossman



[Collective genius : the art and practice of leading innovation](#) (*Book*)

Based on extensive research at many of the world's top organisations, this book makes the compelling argument that today's knowledge-intensive global economy demands innovation not just as a competence, but as a much deeper part of the culture of the enterprise.

Please contact the library to request a loan of this book.

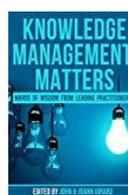


[Good to great : why some companies make the leap ... and others don't](#) (*Book*)

Jim Collins, 2001

This text attempts to show how a "good" company can become a "great" company. It looks at the type of leadership required, the one thing a company must focus on, the correct uses of technology, and how to make the changes last.

Please contact the library to request a loan of this book.



[Knowledge management matters : words of wisdom from leading practitioners](#) (*Book*)

This collection of works penned by a group of thought leaders shares their knowledge with a view to helping you and your organisation succeed in the knowledge environment

Please contact the library to request a loan of this book.

RISK MANAGEMENT



[Project risk management : a practical implementation approach](#) (*eBook*)

Mike Bissonette, 2016

This book promises to not only provides insights into the best ways to implement the traditional techniques of risk management, but also explores innovative new methods that can help modern organisations build their culture, improve financial

Residents' preparedness, experiences and actions during an extreme wildfire in the Far North, Aotearoa New Zealand (Journal article)

International Journal of Disaster Risk Reduction, Volume 41, December 2019

This paper presents results of a qualitative study in the Far North, Aotearoa New Zealand that examined wildfire experiences and actions by residents during an extreme wildfire in 2011, and preparedness before and after the wildfire.

Please contact the library to request a copy of this article

The psychosocial impacts of wildland fires on children, adolescents and family functioning: a scoping review (Journal article)

International Journal of Wildland Fire 29(2),2020

This article presents a scoping review of the psychosocial impacts of wildland fires on children, adolescents and family functioning. The authors identified 19 research articles and reviewed them according to the following characteristics: date and location of the fire, study time period, study design, instrument(s), sample and findings. The studies were primarily conducted within Australia, the US and Canada.

Please contact the library to request a copy of this article

performance, and ultimately achieve greater success in all of their projects.

This [title link](#) allows NSW RFS Staff to open the eBook directly when at work. Volunteers and for those wishing to use the eBooks at home, please [contact the library](#) for a password-embedded link.

WOMEN AND SUCCESS



[Unbecoming : a memoir of disobedience](#)
(Book)

Anuradha Bhagwati, 2019

After a lifetime of buckling to the demands of her strict Indian parents, Anuradha Bhagwati abandons her grad school career at Harvard University to join the Marines.

It's the fiercest, most violent, most masculine branch of the military, In 2007, she founded the Service Women's Action Network, which advocated for equal rights within the military and for allowing women in combat

Please contact the library to request a loan of this book.

Books on this topic are found in our library's [Women and Success online bibliography](#)

Thank you

The NSW RFS Library would like to thank the Captains Flat Rural Fire Brigade and Elizabeth Estbergs who provided a very generous donation of many



bush fire related picture books to add to our [Children's Bush Fire Collection](#). Thank you!

Borrowing books

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