



NSW Rural Fire Service Library

New books, articles and reports in your library this month

Your NSW RFS Library is moving! In November the library will be re-located to a beautiful new space on Level 3 of the new NSW RFS HQ at 4 Murray Rose, Sydney Olympic Park. As always, the new library will be open for NSW RFS Members, other emergency service agencies' visitors, university students, and the public providing loans and eBook access from our specialised collection, literature searches, current journal TOC and subject alerts, literacy training and answering your reference queries.

Our library holds the most extensive collection internationally on wildfire/bushfire topics, in addition to resources on health and wellbeing, meteorology, mapping, management and leadership, training and professional development, so it is very exciting that we will have a new space to showcase its collection.

To assist with the move, if you have any outstanding loans (overdue) it would be delightful if you could return them to our postal address (which will remain the same) at

NSW Rural Fire Service – Library, Locked Bag 17, Granville NSW 2142.

This will assist the librarian (me) in determining the shelving format required for our research library.

Remember books may be packaged up and addressed and returned to your District Office for posting back to the library.

New Resources this month: Contact your librarian Katie to borrow any of the books and DVDs or to request articles at rfs.library@rfs.nsw.gov.au

FIRE INCIDENTS – AUSTRALIAN

Drought, wind and heat: when fire seasons start earlier and last longer (*Newspaper article*)

Owen Price, *The Conversation*, 17 August 2018

The New South Wales Rural Fire Service declared the earliest total fire bans in its history this week. The entire state was declared to be in drought on the same day. The combination of winter drought and hot, dry weather has made dangerous fires increasingly likely.

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

Demographics for Bushfire Risk Analysis – Regional Victoria and peri-urban Melbourne (*Online report*)

The State of Victoria Department of Environment, Land, Water and Planning, 2018

EMERGENCY MANAGEMENT



[Communicating emergency preparedness : practical strategies for the public and private sectors](#) (*eBook*)

Damon Coppola, 2017

This fully revised edition includes timely case studies, events, and references to articles and opinions about the direction of emergency preparedness communication. The authors draw upon their professional endeavours to inject a new sense of practicality to the text. New images displaying emergency preparedness campaigns are used to further illustrate the materials being presented.

This [title link](#) allows NSW RFS Staff to open the eBook directly when at work. Volunteers and for those wishing

This report includes mapped data on demographic factors which can affect bushfire risk and recovery. Data from the 2016 Census of Population and Housing has been used along with other recent data. Topics covered in the report include: impact of past bushfires on population; smoke hazard; population vulnerabilities; population dynamics; and, mobile populations.

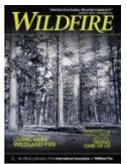
Please use this [link](#) to read the report online.



Fire Australia (Issue Three 2018) is now available online including articles on a new interactive fire mapping tool that will help fire managers plan and prepare for the upcoming bushfire season, a StoryMap that is educating communities and coastal managers about the dangers of storms on beach side properties and infrastructure and a unique project that has developed a pilot training program for remote Indigenous communities based on their cultural needs.

The full version of the issue may be downloaded from the [BNHCRC link here](#).

FIRE INCIDENTS – INTERNATIONAL



The latest issue of **Wildfire** (August 2018) now out including articles [Living with Wildland Fire in America: Building New Bridges between Policy, Science, and Management](#) and [A report on a national meeting of wildland fire leaders meeting – united to reduce line-of-duty deaths and injuries of wildland firefighters](#)

The full version of the issue is available [here](#).

Fire Loss in the United States During 2017 (Online report)
NFPA Journal, Sept-Oct 2018

More than 1.3 million fires were reported by fire departments in 2017, resulting in an estimated 3,400 civilian deaths, nearly 15,000 civilian injuries, and \$23 billion in property loss.

This report is available on the NFPA website [here](#).

Wilder wildfires ahead? (US news article)

University of California - Santa Barbara, Science Daily News, 28 August 2018

The connection between climate change, El Niño and the possibility for more extreme wildfires. At roughly 415,000 acres, Northern California's Mendocino Complex Fire is now the state's largest recorded wildfire, surpassing the record held by Santa Barbara and Ventura counties' Thomas Fire, which occurred less than a year before.

to use the eBooks at home, please [contact the library](#) for a password-embedded link

Closing the gap (Journal article)

Crisis Response Journal, August 2018

Robert Fagan explores how the concept of operationalising resilience helps first responders to be ready for the impact and surge of an event in the face of acute stress and trauma

Please contact the library to request a copy of this article

Perspectives on the Sector with Commissioner Smethurst (Journal article)

Fire Australia, Issue 3 2018

In this regular series, AFAC CEO Stuart Ellis interviews a senior AFAC leader for each issue of Fire Australia. This issue he caught up with NSW State Emergency Service Commissioner Mark Smethurst DSC, AM.

Please contact the library to request a copy of this article

The Deloitte report, *Building Resilience to Natural Disasters in our States and Territories*, mentioned in the interview can be found online at this [ABR link](#).



Natural hazards 2017 (Online Journal)

This is the first joint publication from the Natural Hazards Research Platform and Resilience to Nature's Challenges in New Zealand. The document provides an update on

programmes that are exploring New Zealand's resilience to natural hazards, enhancing the understanding of geological and weather processes, and improving the functions of the country's lifelines and built environment. The full version of the issue may be downloaded from the [link here](#).

Social ties (Journal article)

Crisis Response Journal, August 2018

Danaë Metaxa, Paige Maas and Daniel P Aldrich describe how they worked with Facebook, using geolocation data to understand evacuation, based on the structure of people's social networks

Please contact the library to request a copy of this article

False alarms and mass alerts (Journal article)

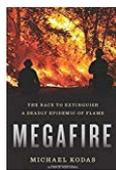
Crisis Response Journal, August 2018

What happens when mass warning messages are made in error, or are deliberately faked? Lina Kolesnikova investigates

Please contact the library to request a copy of this article

Roughly 10 other large-scale conflagrations are threatening the state.

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



[Megafire : the race to extinguish a deadly epidemic of flame](#) (eBook)

Now available in eBook format, this book is by Michael Kodas, a journalist and forest-fire expert, who shares his experiences in some of the world's most dangerous and remote regions to explore the rising phenomenon of large-scale fires, the damage they cause, and how they are being battled by elite firefighters. He zeroes in on a handful of the most terrifying and tumultuous of these environmental disasters in recent years including the Yarnell Hill Fire in Arizona and the Waldo Canyon Fire that overwhelmed the city of Colorado Springs.

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 or if you would prefer to borrow the hardcopy, please [contact the library](#) for a password-embedded link or loan

European Commission Joint Research Centre (JRC) supports wildfire monitoring in the EU (Online news article)

EU Science Hub, 22 August 2018

From 1 January to 6 August 2018, there have been 496 wildfires of 30 hectares or larger across the European Union. That's 130 more fires than the 10-year average at this time of year.

To read this article, use this [EC link](#).

Wildfire risk doesn't douse housing demand (US news article)

University of Nevada, Las Vegas, Science Daily News, 27 August 2018

Demand for real estate rebounds in high-risk areas within one to two years of a wildfire, a new study finds. That's the conclusion of a new UNLV study which found that real estate prices for homes in wildfire-prone areas fall relative to homes in low-risk areas immediately following a blaze. But the effect is only temporary: Sale prices in risky areas rebound within one to two years.

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

FIREFIGHTING

[Introduction to fire protection and emergency services](#) (Book)

SEARCH AND RESCUE



[Fundamentals of search and rescue](#) (Book) NASAR (US), 2019

This well-known and popular text used in NASARs renowned Fundamentals of Search and Rescue (FUNSAR) course has just been revised and updated. Topics addressed include an overview of SAR systems, the NIMS Incident Command System (ICS), physiology, fitness for SAR, survival and improvisation, clothing systems, safety in SAR environments, ready pack considerations, personal equipment, navigation, SAR resources and technology, travel skills, tracking, basic search theory and operations, and basic rescue equipment and operations.

Please contact the library to borrow this book.



[Helicopter rescue techniques : a training handbook for rescue practitioners](#) (Book)

Rob Thomas, 2017

This book covers not only the techniques associated with conducting rescue using helicopters but also the underpinning knowledge needed to avoid disaster, including physics of flight, accident cause & prevention, hoisting operations, water rescue techniques and night rescue considerations. The book is packed with clear, simple illustrations as well as numerous real-life examples.

Please contact the library to borrow this book.



[Casualty care for fire and rescue](#) (Book)

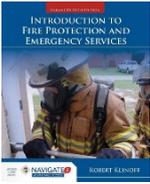
Simon Todd, 2018

This UK published textbook, written by an experienced team of firefighters and paramedics, is an essential guide to life saving care and has been specifically written for firefighters already employed or undertaking training within a fire and rescue service. The book combines a skills-based practical approach with clinical knowledge and covers a range of urgent care that firefighters deliver and respond to, including trauma injuries, burns, road traffic collisions and cardiac arrest.

Please contact the library to borrow this book.

More books, websites and manuals on this topic are found on our library webpage [Search and Rescue Resources](#).

LEADERSHIP AND MANAGEMENT



Robert Klinoff, 2015
An American publication, this fifth edition provides an overview of the fire service, from history and culture to the basics of chemistry and physics, fire protection systems, and strategic and tactical considerations for wildland or structural fires. Please contact the library to borrow this book.

FIRE BEHAVIOUR



[Bushfire Predictive Services final report : an evaluation of fire spread simulators used in Australia](#) (Report)

Bureau of Meteorology (BoM), 2017

In collaboration with the fire planning,

behaviour and response community, the Bureau of Meteorology (the Bureau) has undertaken a comparative investigation of the accuracy of four fire spread simulators regularly used in Australia. Ten case studies nominated by agencies, were evaluated.

Please contact the library to borrow this report or access the online copy using this [BOM link](#).

FIRE MANAGEMENT

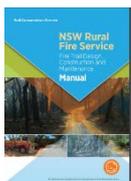


Southeast Australia Aboriginal fire forum (Report)

Will Smith, Jessica K Weir, Timothy Neal, 2018

The Southeast Australia Aboriginal Fire Forum was a landmark event, bringing together Aboriginal and non-indigenous peoples personally invested in expanding the use of cultural burning and supporting the authority of Aboriginal peoples in the management of bushfire in southeast Australia and across the Australian continent more generally.

To read this report online, please use this [BNHCRC link](#).

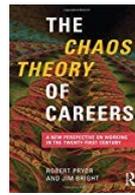


[NSW Rural Fire Service fire trail design, construction and maintenance manual](#) (Book)

Soil Conservation Service of NSW, June 2018

The purpose of this Manual is to support the Fire Trail Standards by setting out the principles of planning, construction and

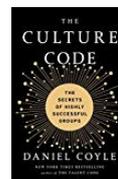
maintenance of fire trails that are required in order to minimise environmental impacts caused by soil erosion and sedimentation. The Fire Trail Standards in



[The Chaos Theory of Careers](#) (eBook)

This text represents a new perspective on the nature of career development. It emphasises the dimensions of careers frequently neglected by contemporary accounts of careers such as the challenges and opportunities of uncertainty, the interconnectedness of current life and the potential for information overload, career wisdom as a response to unplanned change, new approaches to vocational assessment based on emergent thinking, the place of spirituality and the search for meaning and purpose in, with and through work.

Please contact the library to borrow this book.



[The culture code : the secrets of highly successful groups](#) (Book)

Daniel Coyle, 2018

Daniel Coyle spent three years researching the question of what makes a successful group tick, visiting some of the world's most

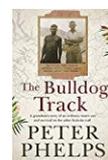
productive groups--including Pixar, Navy SEALs, Zappos, IDEO, and the San Antonio Spurs. Filled with first-hand reporting, fascinating science, compelling real-world stories, and leadership tools that can apply to businesses, schools, sports, families, and any kind of group

Please contact the library to borrow this book.

WOMEN AND SUCCESS

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

HISTORY



[The bulldog track : a grandson's story of an ordinary man's war and survival on the other Kokoda trail](#) (Book)

Peter Phelps, 2018

Seventy-five years later, Tom's grandson,

award-winning actor and writer Peter Phelps, is sharing the unforgettable tale of resilience and survival. March 1942: The world is at war. Too old to fight and with jobs scarce at home, Tom Phelps found work as a carpenter in the goldfields of the New Guinea Highlands. No one expected the Japanese to attack in the Pacific.

Please contact the library to borrow this book.

combination with this Manual provides for suitably appropriate access for firefighting vehicles commonly used for bush firefighting operations in NSW.

Please contact the library to borrow this book.

DRONES AND AVIATION



The sky's not the limit (Journal article)

Crisis Response Journal, August 2018

Romeo Durscher of drone giant DJI speaks to Emily Hough about drones being used in safety

and security applications

Please contact the library to request a copy of this article

COMMUNITY RESILIENCE

Remote Indigenous communities welcome two-way training (Hazard Note)

BNHCRC, August 2018

With national significance, the Northern Australia bushfire and natural hazard training project has highlighted the need for greater awareness of the profound cultural differences between bureaucracies and Indigenous people, and the desire by communities to have non-Indigenous emergency management training that builds on Indigenous knowledge and delivery of hazard management practices. It suggests that dialogue about those differences can lead to better outcomes for resilience development.

To read this Hazard Note online, please use this [link](#).



Community cohesion (Journal article)

Crisis Response Journal, August 2018

Dennis Davis examines how a disenfranchised and vulnerable community has evolved with cohesion and solidarity

after the Grenfell Tower fire

Please contact the library to request a copy of this article

SMOKE MANAGEMENT

Smoke aerosols dispersion and transport from the 2013 New South Wales (Australia) bushfires (Journal article)

Environmental Monitoring and Assessment, July 2018

This paper studies the application of environmental monitoring and modelling to understand the environment

MENTAL HEALTH



The anxiety of modern life (Podcast- 51 mins)

Matt Haig, ABC Conversations, 16 Aug 2018

Matt Haig made his reputation in the UK as a novelist, but in the last few years he's also been writing about mental health. He experienced a terrible breakdown in his early 20s - one he slowly climbed out of with the support of his wife Andrea. He is now looking at why the way we live is so dangerous to our emotional and psychological wellbeing

Listen to the podcast at this [ABC link](#).



Lost connections : uncovering the real causes of depression-- and the unexpected solutions

(Book)

Johann Hari, 2018

What really causes depression and anxiety - and how can we really solve them? Award-winning journalist Johann Hari suffered from depression since he was a child and started taking anti-depressants when he was a teenager. He was told that his problems were caused by a chemical imbalance in his brain. As an adult, trained in the social sciences, he began to investigate whether this was true – and he learned that almost everything we have been told about depression and anxiety is wrong

Please contact the library to borrow this book.

NATURAL ENVIRONMENT

Impact of intense disturbance on the structure and composition of wet-eucalypt forests: A case study from the Tasmanian 2016 wildfires. (Journal article)

Plos One, July 2018

Fire is a key process in eucalypt communities, exerting a strong influence on the composition, structure and functioning of forests. Much of the research on the fire response of temperate, wet-sclerophyll trees in Australia comes from Victoria, where the dominant eucalypt is *Eucalyptus regnans*. In contrast, central and northern Tasmanian forests, dominated by *Eucalyptus delegatensis*, are relatively understudied.

Please contact the library to request a copy of this article

NSW RFS Staff may use this [EBSCO link](#) to access the article at work

effects of a major bushfire period in the state of New South Wales (NSW), Australia, in 2013. The bushfires have caused high pollution episodes at many sites in the greater Sydney metropolitan areas. The potential long-range transport of aerosols produced by bushfires to other region and states has been seen by regulators as a major concern.

Please contact the library to request a copy of this article

Smoked out: Researchers develop a new wildfire smoke emissions model *(US news article)*

Brigham Young University, Science Daily News, 24 August 2018

Scientists have developed an advanced model that can help predict pollution caused by wildfire smoke. The research provides a physical model that can more reliably predict soot and smoke emissions from wildfires over a range of conditions.

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

Smoke complaints caused by wildland fire in the southern Sierra Nevada region, California *(Journal article)*

International Journal of Wildland Fire, 7 Sept 2018

Mega-fires are expected to increase in the Western United States. The state of the science suggests that the best mitigation to prevent destructive forest fires is to reintroduce ecologically beneficial fire, but this can only be accomplished with public support. The objective of this study is to identify the concerns of citizens in central California who generate formal complaints about smoke exposure from forest fires

Please contact the library to request a copy of this article

RADIO COMMUNICATIONS



[Your entry into amateur radio : the foundation licence manual](#) *(Book)*

The Wireless Institute of Australia, 2016

This manual, the 3rd edition, contains all the information needed for the Foundation Licence is an easy to use and understand format. It is

not simply a textbook: it provides insight into technical basics, receivers, transmitters, how radio waves travel, antennas and band planning. The aim is to help you operate an amateur station safely and with the correct procedure.

Please contact the library to borrow this book.

LAND MANAGEMENT



Draft Great Artesian Basin strategic management plan 2018 *(Online report)*

Department Of Agriculture And Water Resources, August 2018

This draft plan provides a framework to guide the actions of governments, traditional owners, water users and other interests in their endeavour to achieve economic, environmental, cultural and social outcomes for the Great Artesian Basin and its users. The committee is **requesting feedback**, submissions close at 5 October 2018.

Use this [link](#) to read the draft article online and provide feedback.

HEALTH AND SAFETY



Michael Mosley and the gut brain

(Podcast- 51 mins)

Michael Mosley, ABC Conversations, 20

June 2018

Michael is the presenter of BBC TV programmes on biology and science, including Trust Me I'm a Doctor. He likes to test the science on himself, before presenting it to the public. Recently Michael swallowed a pill with a tiny camera inside, so he could get a good look at the workings of his own gut. He was able to peer into his own microbiome, an army of microbes which influences your mood, weight and immune system.

Listen to the podcast at this [ABC link](#).

Michael Mosley's books, [The Clever Guts Diet](#), [The Fast Diet](#) and [Fast Exercise](#) are available for loan from the library.

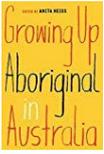
Piper Alpha Survivor *(Journal article)*

TCE: The Chemical Engineer. Jul/Aug2018

The author who happens to be a survivor of the explosions at the Piper Alpha offshore oil production platform on July 6, 1988 in the North Sea which killed and injured several people, discusses the method which helped him to survive the disaster. He outlines the six C's which he follows to ensure workplace safety, which include commitment, change management and competence.

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

GENERAL



[Growing up Aboriginal in Australia \(Book\)](#)

Anita Heiss, 2018

What is it like to grow up Aboriginal in Australia? This anthology, compiled by award-winning author Anita Heiss, attempts to showcase as many diverse voices, experiences and stories as possible in order to answer that question. Each account reveals, to some degree, the impacts of invasion and colonisation – on language, on country, on ways of life, and on how people are treated daily in the community, the education system, the workplace and friendship groups.

Please contact the library to borrow this book.

Borrowing books

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