



New books, articles and reports in your library this month

Our Bush Fire Bulletin – Read our archived copies online



In the first issue of the Bush Fire Bulletin, published in 1952, the NSW Chief Secretary, the Hon. C. A. Kelly, M.L.A., wished the Bulletin every success with the following message

“I am sure that the issue of regular fire bulletins by the Bush Fire Committee will provide a very useful service to Shire Councils and the bush fire brigade movement, and will be greatly appreciated by all concerned. Local governing bodies and their fire fighting organisations perform a very important community service. Bush fire fighting also has National significance, particularly at a time when Australia stands in need of increased production, especially foodstuffs. I wish the Bulletin every success.”

Joining forces with the National Library of Australia just three years ago, our entire collection was digitised allowing it to be read online anywhere across the world.

- Bush Fire Bulletin (1952 – 1975) Browse the collection online here
Sitrep (1976 – 1978) Browse the collection online here
Bush Fire Bulletin (1978 – 2017) Browse the collection online here
Our latest editions are here

Image: 50 years ago...Bush Fire Bulletin, Vol. 8 No. 2, (Winter 1970)

FIRE INCIDENTS – AUSTRALIAN

January 2020 NSW bushfires study : NSW South Coast (Report)

Bushfire and Natural Hazards CRC, June 2020

In late January, 2020, Risk Frontiers with the support of the CRC funding for quick response deployed a team to the NSW South Coast region. Areas surveyed include Moruya, Mogo, Malua Bay, Rosedale, the Catalina area of Batemans Bay and Lake Conjola. The majority of damage occurred on December 31, 2019 as catastrophic weather conditions (extreme temperatures and high magnitude winds) intensified existing fire fronts.

Use this BNHCRC link to read the report online. The Risk Frontiers newsletter can be found online here.

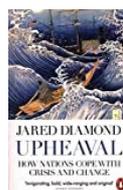


Everyday humanitarianism during the 2019/2020 Australian bushfire crisis (Report)

Swinburne University of Technology, 2020
In response to the 2019-2020 bushfire crisis, Australians engaged in an astounding level

of charitable giving and volunteering in order to help communities and wildlife affected by the devastating

EMERGENCY MANAGEMENT



Upheaval : how nations cope with crisis and change (Book)

Jared Diamond, 2020

Diamond shows us how seven countries have survived defining upheavals in the recent past -- from the forced opening up of Japan and the Soviet invasion of Finland to the Pinochet regime in Chile -- through selective change, a process of painful self-appraisal and adaptation more commonly associated with personal trauma. Looking ahead to the future, he investigates whether the world is squandering its natural advantages.

Please contact the library to request a loan of this book



Disaster management meets King of the Monsters (Journal article)

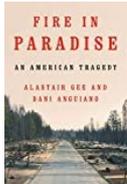
Crisis Response Journal, Vol 15 no 2, 2020

The 2016 film, 'Shin Godzilla', is widely acknowledged as a metaphorical embodiment of contemporary and institutional disaster management in the face of large-scale catastrophe.

bushfires. Most of these activities and initiatives were invisible to people outside the communities in which these responses were enacted and flashed into and out existence.

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

FIRE INCIDENTS – INTERNATIONAL



[Fire in Paradise : an American tragedy](#) (Book)
Alastair Gee, 2020

The Guardian reporters, Alastair Gee and Dani Anguiano, relate the story of the worst American wildfire in a century, weaving together a portrait of the remarkable

California community of 27,000 souls, destroyed wholesale in a fire that left 86 dead, while offering a bigger-picture exploration of the science of wildfires in a time of dramatic climate change.

Please contact the library to request a loan of this book

Fighting fire with fire: Botswana adopts Indigenous Australians' ancient burning tradition (Newspaper article)
The Conversation, 18 June 2020

The International Savanna Fire Management Initiative (ISFMI) is taking the fire management techniques of indigenous northern Australians to the world.

Botswana was the first site to prove that transferring this knowledge is possible. Among the reasons it was chosen were its savanna landscapes and a tradition of fire management by its own indigenous people. The first ranger exchange took place in May 2019, when Indigenous rangers from Northern Australia travelled to Botswana at the invitation of the Botswanan government. Use [The Conversation link](#) to read the article online. More information on the [ISFM](#) can be found here.

The Big Burn (Magazine article)
Wild West, June 2020

The article offers a historical look into the largest wildfire in U.S. history that ravaged the northern Rocky Mountains in August 1910. Information is provided about the first report of fire from the Blackfoot National Forest of northwestern Montana, the spread of the fire to south of Denver, Colorado and Saskatoon in Saskatchewan, Canada, efforts of firefighters and forest rangers to contain the fire, and destruction of acres of virgin forests including in Idaho, Montana and British Columbia.

Please contact the library to request a copy of this article

FIREFIGHTING

Issues paper: firefighting and emergency services personnel and equipment (Paper)

Whether a crisis takes the form of a microscopic or gargantuan threat, the universal fundamentals remain the same

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

The Australian Exposure Information Platform: uncovering national exposure (Hazard Note No. 74)
BNHCRC, June 2020

The AEIP allows users to generate customised reports that provide a detailed statistical summary of the number of people, dwellings, buildings, structures, businesses, and agricultural and environmental assets within a user-defined area. The AEIP was a key source of information during the 2019/20 fire season.

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

Hazards, culture and Indigenous communities – annual report 2018-2019 (Report)

Bushfire and Natural Hazards CRC, July 2020

Over the past decade, there has been an increasing amount of public attention focused on the contributions that Aboriginal people, and their knowledge and practices, make to resilience and sustainability agendas in Australia. It is important that researchers support this work to understand and document how beneficial and respectful collaborations can be fostered.

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

LEADERSHIP AND MANAGEMENT



[Extreme ownership : how U.S. Navy SEALs lead and win](#) (Book)

Jocko Willink and Leif Babin, 2017

Two highly decorated Navy SEALs, now successful businessmen, demonstrate how to lead and win in business and in life with principles learned on the battlefield, in a revised edition that includes a new foreword, photo insert and Q-and-A section.

Please contact the library to request a loan of this book



Gender Equity Insights 2020: delivering the business outcomes (Report)

Bankwest Curtin Economics Centre, June 2020

The 2020 Gender Equity Insights report, the fifth report in this series, shows that more women at the top proves better for business. Profitability, performance and productivity increase under female leadership.

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

METEOROLOGY AND CLIMATE CHANGE

Royal Commission into National Natural Disaster Arrangements, June 2020

Thousands of firefighters and emergency service providers worked tirelessly over the 2019-20 bushfire season, showing great dedication, professionalism and hard work. This paper provides a brief overview of some of the issues that affect firefighters and other emergency service providers, and poses a number of questions concerning, among other things, how they are recruited, trained and supported; how their equipment is managed; how they communicate during an emergency; and how they share resources.

Use this [Royal Commission link](#) to read the paper online.

Issues paper: local Governments and natural disasters (Paper)

Royal Commission into National Natural Disaster Arrangements, June 2020

Local governments play a central role in preparing for, responding to and recovering from natural disasters. Along with state and territory emergency services, local governments are an integral part of the emergency planning process, and play an important role in risk mitigation, land-use planning and land management.

Use this [Royal Commission link](#) to read the paper online.

The Royal Commission into National Natural Disaster Arrangements 2020 website is [here](#).



[Fire officer's handbook of tactics](#) (Book)

John Norman, 2019

US Chief John Norman offers lessons learned during his extensive career. This US guide continues to be invaluable for firefighters aspiring to the officer level and those seeking

to promote safety and effectiveness in their organisation and the communities they serve by improving their own skills. This fifth edition conveys valuable information gained over the past several years from scientific research relating to the tactics that we use to the changes that have taken place within our communities.

Please contact the library to request a loan of this book

The economic benefits of the Indigenous Fire and Rescue Employment Strategy (IFARES) Program: Fire and Rescue New South Wales (Report)

Bushfire and Natural Hazards CRC, May 2020

The main purpose of the Indigenous Fire and Rescue Employment Strategy (IFARES) was to reduce the barriers to Indigenous employment. It has also been seen as a way of promoting greater engagement with Indigenous communities, improving fire safety within these communities and learning from traditional knowledge about fire management. This study modelled the benefits of the program.

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

Deconstructing Factors Contributing to the 2018 Fire Weather in Queensland, Australia (Journal article)

Bulletin of the American Meteorological Society, Jan 2020

Factors including the circulation pattern and antecedent conditions contributed to 2018 northeast Australian fires. High background temperatures also played a role for which model evidence suggests an anthropogenic influence.

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

NATURAL ENVIRONMENT

Fire, plant species richness and plants of significance to Australian desert Aboriginal people (Journal article)

International Journal of Wildland Fire, Online 9 June 2020

A survey was undertaken in the Great Sandy Desert, Western Australia, to document changes in total plant species richness and the richness of plants of significance to Aboriginal people, with time since fire. Species richness was highest in the early post-fire seral stages, then declined with time as 'fire ephemerals' completed their life cycle.

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

Recovering our burnt Gondwana forests (Magazine article)

Wildlife Australia, Vol 57 no 2, June 2020

In considering federal funding for the recovery of the World Heritage listed Gondwana forests of South East Queensland and northern New South Wales, questions must be asked including what is the plan? What is the situation for endangered flora and fauna? What does the future hold? What steps can be taken to see this never happens again?

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

COMMUNITY ENGAGEMENT

Risk interdependency, social norms, and wildfire mitigation: a choice experiment (Journal article)

Natural Hazards, June 2020

Wildfire presents a growing threat across the American West. The authors conducted an online choice experiment to assess how social interactions affect wildfire mitigation decisions through two distinct pathways: risk interdependency (neighbours' conditions affect perceived wildfire risk) and social norms (neighbours' actions affect perceptions of appropriate mitigation choices).

Use the publisher's [Springer link](#) to read the article online.

Self-powered alarm fights forest fires, monitors environment (*ScienceDaily News article*)

Michigan State University, 24 June 2020

Scientists designed and fabricated a remote forest fire detection and alarm system powered by nothing but the movement of the trees in the wind. The device, known as MC-TENG -- short for multilayered cylindrical triboelectric nanogenerator (TENG) -- generates electrical power by harvesting energy from the sporadic movement of the tree branches from which it hangs.

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

Self-powered 'paper chips' could help sound an early alarm for forest fires (*ScienceDaily News article*)

American Chemical Society, 17 June 2020

Recent devastating fires in the Amazon rain forest and the Australian bush highlight the need to detect forest fires at early stages, before they blaze out of control. Current methods include infrared imaging satellites, remote sensing, watchtowers and aerial patrols, but by the time they sound the alarm, it could be too late. Now researchers have developed self-powered "paper chips" that sense early fires and relay a signal.

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

FIRE BEHAVIOUR

Analysis of Variation in Distance, Number, and Distribution of Spotting in Southeast Australian Wildfires

(Journal article)

Fire, Vol 3 no 2, 2020

Spotting during wildfires can significantly influence the way wildfires spread and reduce the chances of successful containment by fire crews. However, there is little published empirical evidence of the phenomenon. In this study, we have analysed spotting patterns observed from 251 wildfires from a database of over 8000 aerial line scan images capturing active wildfire across mainland southeast Australia between 2002 and 2018.

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



fire

The latest issue of *Fire* is now available online, to read use this [link](#).

Exploring the key drivers of forest flammability in wet eucalypt forests using expert-derived conceptual models (*Journal article*)

Jane Cawson, David Bowman, Ross Peacock et al.

Landscape Ecology, published online 24 June 2020

Fire behaviour research has largely focused on dry ecosystems that burn frequently, with far less attention on wetter forests. Yet, the impacts of fire in wet forests

COMMUNITY RESILIENCE

When does response end and recovery begin? Exploring preparation and planning to support community's resilient recovery (*UK Report*)

National Centre for Resilience (University of Glasgow), 2020

This research project explores areas in which resilience practitioners' (RPs) and emergency responders' (ERs) can influence on a community during a Natural Hazard Emergency (NHE), and how this affects a community's capacity to recover. This is important because a community's ability to effectively recover from impacts of an NHE has implications for that community's future resilience, and its ability to adapt to the effects of climate change.

Use this [University of Glasgow link](#) to read the report.

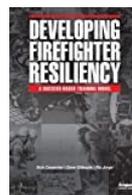
Disasters and economic resilience: the effects of the Black Saturday bushfires on individual income (*Report*)

Bushfire and Natural Hazards CRC, June 2020

The toll of the Black Saturday bushfires was estimated to be \$3.1 billion in tangible damages and \$3.9 billion in intangible costs. The report makes an assessment of economic resilience at an individual level (measured through changes in the income stream), and explores the effects of disaster-induced economic shocks transmitted to individuals through income-earning channels.

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

LEARNING AND DEVELOPMENT



[Developing firefighter resiliency](#) (*Book*)

Bob Carpenter, 2019

Training ordinary people to do extraordinary things requires an understanding of how we learn. *Developing Firefighter Resiliency* starts with the basic psychophysical aspects of learning. Accessing knowledge under extreme circumstances cannot be left to chance, because the penalty for failure is severe. This book provides the roadmap for a journey to train, establish relevancy for the lessons, and develop competency in the skills.

Please contact the library to request a loan of this book



[TD: Talent Development](#), a monthly published US magazine, covers the training and development industry's best practices, emerging technologies, and trends. Articles of interest from each issue can then be requested from the library.

If you would like to receive an email alert when the latest issue has been published please [contact the library](#).

can be high and therefore understanding the drivers of fire in these systems is vital. The authors sought to identify and rank by importance the factors plausibly driving flammability in wet eucalypt forests, and describe relationships between them

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

FIRE INVESTIGATION

Communication: the key for an effective interagency collaboration within the bushfire investigation network

(Journal article)

International Journal of Emergency Services, Online 4 June 2020

The purpose of this study is to identify strengths and weaknesses in knowledge sharing between related post-bushfire investigative agencies. Based on this study, such a sharing of knowledge is essential to enhance collaboration amongst practitioners in the reduction and management of the risk of bushfires. Comparative analysis of six post-bushfire investigative departments in Italy and Australia (Victoria) was used.

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

FIRE MANAGEMENT



[Feeling the heat : international perspectives on the prevention of wildfire ignition](#) (Book)

Janet Stanley, 2020

In Australia, an average of 4,500 wildfires occur weekly. Yet how to prevent these wildfires caused by human activities, has

received extraordinarily little attention. The current approach to the prevention of arson can be summarised as small in scale, uncoordinated and rarely evaluated. This book is the culmination of over a decade of research into wildfires and arson.

Please contact the library to request a loan of this book

PRESCRIBED BURNING AND HAZARD REDUCTION



[Prescribed burning in Australasia : the science, practice and politics of burning the bush](#) (Book)

AFAC, 2020

Co-edited by CRC CEO Dr Richard Thornton and Dr Adam Leavesley (ACT Parks and Conservation Service) and Mike Wouters (SA Department of Environment and Water), this book features research and

HEALTH AND SAFETY

Wildfire smoke has immediate harmful health effects

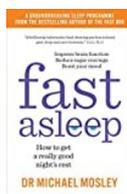
(ScienceDaily News article)

University of British Columbia, 24 June 2020

Exposure to wildfire smoke affects the body's respiratory and cardiovascular systems almost immediately, according to new research from the University of British Columbia's School of Population and Public Health.

Among people with diabetes, the researchers found that the odds of health complications increased within 48 hours following exposure to wildfire smoke.

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



[Fast asleep : how to get a really good night's rest](#) (Book)

Michael Mosley, 2020

Dr Mosley brings together the latest science to explain exactly what happens to us when we sleep. Along with fascinating case studies, 50 delicious, sleep-promoting recipes and menu plans by Dr Clare Bailey, this book explores the science of dreaming, explains why gut health and meal times matter, and reveals tips and tricks to help you not just to sleep better but to reduce stress levels.

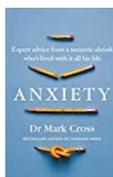
Please contact the library to request a loan of this book

The library also holds Mosley's other books available for loan - [The fast 800](#), [The fast diet](#), [The clever guts diet](#), and [Fast exercise](#).

MENTAL HEALTH & INCIDENT STRESS

[Anxiety : Expert Advice from a Neurotic Shrink Who's Lived with It All His Life](#) (Book)

Mark Cross, 2020



In this book Dr Cross, consultant psychiatrist, demystifies anxiety in his trademark warm and friendly style. For sufferers, their families and friends, the book explores: types of anxiety; causes and common triggers; medical, therapy-based and natural treatments; the

effect of anxiety at each life stage; anxiety in the workplace; navigating the health systems. Along the way, Mark shares his own experiences as well as stories from other sufferers who have not only survived but thrived.

Please contact the library to request a loan of this book



Overcoming the mental health challenges of Covid-19 (Journal article)

Crisis Response Journal, Vol 15 no 2, 2020

Aside from the loss of loved ones, daily deaths and the toll of working in

opinions from more than 50 experts. The book centres around three themes: 'Different Things to Different People' 'Evidence Led Objectives' and 'Expert Opinions'. *Please contact the library to request a loan of this book*



Land management – hazard reduction: a literature review (*Background paper*)
Royal Commission into National Natural Disaster Arrangements, June 2020

This literature review discusses prescribed burning, which has received the most attention in the scientific literature, as well as the use of mechanical fuel load reduction and livestock grazing as fuel management techniques.

Use this [Royal Commission link](#) to read the paper online. If you are interested in any of the articles listed in this paper's bibliography, please contact the library to source them.

Cultural burning practices in Australia (*Background paper*)

Royal Commission into National Natural Disaster Arrangements, June 2020

Indigenous Australians have used fire to shape and manage the land for over 60,000 years and there is a growing recognition of the value of cultural burning, including as a way to mitigate the effects of bushfires. This paper provides background about cultural burning practices in Australia and surveys some of the literature about the practice.

Use this [Royal Commission link](#) to read the paper online.

dangerous occupations on the front line of this healthcare crisis, distancing and isolation are also deleterious to our wellbeing. What can we all do to keep ourselves healthy, both physically and mentally?

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

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

GENERAL



[Untethered](#) (*Book*)

Hayley Katzen, 2020

When urban academic Hayley Katzen moves to a remote Australian cattle property to live with her farmer girlfriend, she hopes, at last, to find home. But this is no happy-ever-after tree change. In a place that attracts people who live by their own rules, Hayley must confront her limitations and preconceptions to forge her own identity. Hayley Katzen is a member of her local NSW RFS brigade.

Please contact the library to request a loan of this book

Borrowing books

Your NSW RFS Library catalogue is [online](#). It is easy to search. The collection holds books, DVDs and training publications. The library also has an eBook collection for all NSW RFS Members. [Contact NSW RFS Library](#) for further assistance.

More than loans...

Your NSW RFS Library subscribes to numerous journals and online databases. These include EBSCO, Emerald and Australian Standards. These are available to NSW RFS Staff at work. [Contact NSW RFS Library](#) for further assistance.

Improve your search!

Your NSW RFS Library is able to search for material relating to your topic of research. TOCs may be set up for your favourite journal. The librarian also provides training in information literacy for using our online resources. [Contact NSW RFS Library](#) for further assistance.

Your Librarian

Katie Vandine
Phone: 02 8741 5455
Email: rfs.library@rfs.nsw.gov.au