



New books, articles and reports in your library this month



Creative Recovery Projects : The Bushfires

The Bushfires Exhibition showcases the extraordinary artworks that emerged from an arts-based creative recovery project with Nana Glen, Ulong and Coramba Primary schools, alongside other creative responses to the 2019-2020 summer bushfires.

The exhibition can be viewed in person at the Culture Hub in Coffs Harbour until the 14th of November.

A 3D tour of the exhibition is available to view online.

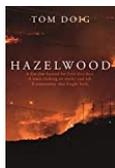
FIRE INCIDENTS – AUSTRALIAN



The 2019-20 Bushfire History Project

An initiative of the Royal Commission into the National Natural Disaster Arrangements, this project provided an opportunity for people to record their personal experience and

share photos and videos taken during the 2019-20 bushfires or the ongoing recovery. The Royal Commission received more than 1800 photos, videos and written accounts from people who were affected by the bushfires. A selection of photos is available to view online.



Hazelwood (Book)

Tom Doig, 2019

Early in the afternoon of February 9, 2014, two separate bushfires raged towards the massive Hazelwood open-pit brown coal mine, near Morwell in the Latrobe Valley. As the air filled with toxic smoke and ash, residents of the Latrobe Valley became ill, afraid – and angry. This is a gripping and immediate report of one of the worst environmental and public health disasters in Australian history.

Please contact the library to request a loan of this book

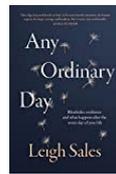


When the smoke clears : surviving the Australian bushfires (Book)

Chrissy Guinery, 2020

In this book, Chrissy Guinery presents the human face and the story of survival that represents the experience of thousands of Australians from the 2019-20 bushfire season, right through to the impact of the coronavirus. And it also begins to answer

READ IT AGAIN...



Any ordinary day (Book)

Leigh Sales, 2018

One of our most popular books in the library (after the Chainsaw Operator's Manual)...As a journalist, Leigh Sales often encounters people experiencing the worst moments of their lives in the full glare of the media. But one particular string of bad news stories – and a terrifying brush with her own mortality – sent her looking for answers about how vulnerable each of us is to a life-changing event. What are our chances of actually experiencing one? What do we fear most and why? And when the worst does happen, what comes next?

Please contact the library to request a loan of this book or to listen to the audiobook

EMERGENCY MANAGEMENT



Royal Commission into National Natural Disaster Arrangements: report October 2020



The Commission has concluded that Australia needs a national approach to natural disasters. This means that we need 'whole-of-nation', 'whole-of-government' and 'whole-of-society' cooperation and effort. The report includes more than 80 recommendations to improve Australia's national natural disaster arrangements and make our nation safer.

the question-how do you live, laugh and hope again after your family has been threatened, homes lost, children terrified and the countryside blackened.

Please contact the library to request a loan of this book



[Mallacoota Time : the lost summer 2020](#) (Book)
Milena Cifali, 2020

Cifali is an award winning singer-songwriter and poet, who, along with her partner Jim Horvath, lost her home, instruments and beloved parrots in the Mallacoota bushfires on New Year's Eve 2019. She has written a heartfelt book, sharing her personal journey towards recovery, against the larger backdrop of an unprecedented bushfire season and the coronavirus pandemic.

Please contact the library to request a loan of this book

Days Like These (Podcast : 28 mins)

ABC Conversations, 28 Oct 2020

During Australia's worst bushfires Cate Tregellas and her family were forced to evacuate their home in Mallacoota and retreat to the local wharf as fire closed in. That long, terrifying night was a New Year's Eve they'll never forget. This is an episode of Days Like These, a podcast bringing you short true stories from people who've faced something wild.

Use this [ABC link](#) to listen to the podcast.

FIRE INCIDENTS – INTERNATIONAL



Wildfire magazine – the October-December 2020 issue is out and available online. Read about the 2020 Siberian fire season, Kenyan bushfires, engineering and vehicle burnovers, and training and mentoring of future firefighters.

Use this [IAWF link](#) to read the issue online.



The costs of wildfire in California: An independent review of scientific and technical information (Report)
California Council on Science and Technology, 2020

The report aims to provide a review societal losses and associated costs of wildfires so US policymakers and public stakeholders may make informed decisions about the trade-offs presented by the changing wildfire regimes in the state.

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



A burning issue: Insights for resilience from three wildfire events (Report)
Institute for Social and Environmental Transition – International, 2020

Use the [Royal Commission's website](#) to read the report and appendices online.

Information overload, stress, and emergency managerial thinking (US Journal article)

International Journal of Disaster Risk Reduction, Vol 51, December 2020

The authors investigate emergency managers' perceptions of information overload from digital sources and examine the relationship of information overload to stress, analytical and intuitive thinking, and managers' critical thinking disposition. They surveyed 273 US county-level emergency managers. Above and beyond the effects of age, education, experience, and time spent on emergency managerial work, higher levels of perceived information overload from digital sources were significantly associated with higher levels of perceived stress.

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



Australian Journal of Emergency Management – the October 2020 issue is out and available online. Read about current and future issues from researchers and practitioners at all levels of emergency management.

Use this [AIDR link](#) to read the issue online.



Rethinking readiness : a brief guide to twenty-first-century megadisasters (Book)

Jeff Schlegelmilch, 2020

How can we prepare for and prevent the twenty-first-century disasters on the horizon? This book focuses on opportunities to reimagine how we approach disaster preparedness. Schlegelmilch identifies and explores the most critical threats facing the world today, detailing the dangers of pandemics, climate change, infrastructure collapse, cyberattacks, and nuclear conflict.

Please contact the library to request a loan of this book

Australian Government Crisis Management Framework (Report)

Dept. of the Prime Minister and Cabinet, 12 Oct 2020

The Australian Government Crisis Management Framework (the Crisis

Framework) outlines the arrangements enabling the Australian Government's 'all hazards' crisis management approach. This approach is a continuum of: prevention; preparedness; response; and recovery. However, the main focus of the Crisis Framework is near term crisis preparedness, immediate crisis response and early crisis recovery arrangements.

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

Post-event reviews studied Canadian, Australian and Californian fires to highlight lessons learned and to draw out practical recommendations for strengthening resilience. Findings from these post-event reviews illustrate commonalities across devastating weather event
Use this [link](#) to read the report online.

Verification of Red Flag Warnings across the Northwestern U.S. as Forecasts of Large Fire Occurrence (Journal article)

Fire, Vol 3, no 4

Red Flag Warnings (RFWs) issued by the National Weather Service in the United States are an important early warning system for fire potential based on forecasts of critical fire weather that promote increased fire activity, including the occurrence of large fires. However, verification of RFWs as they relate to fire activity is lacking, thereby limiting means to improve forecasts as well as increase value for end users.

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

FIREFIGHTING



Year one Fire Services Reform Implementation Plan (Report)

Government of Victoria, 15 October 2020

The 2017 Fire Services Statement articulated the Victorian government's vision for the reform of the state's fire and rescue services. This report outlines the government's commitment to the Fire Services Statement and a shared course of action.

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

Applying occupational psychology to the fire service : emotion, risk and decision-making (Book)

edited by Thomas Rhys Evans, 2019



This book provides readers with an overview of the latest research informing the policies, procedures and practices of those working on the ground in the UK Fire Service. It

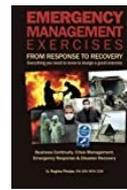
demonstrates how occupational psychology can be applied to fire services around the globe to improve individual, management, and organisational decisions.
Please contact the library to request a loan of this book

PRESCRIBED BURNING AND HAZARD REDUCTION

A critical review of fuel accumulation models used in Australian fire management (Journal article)

International Journal of Wildland Fire, Published online: 28 October 2020

Emergency management exercises : from response to recovery, everything you need to know to design a great exercise (Book)

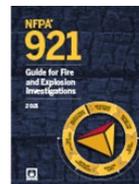


Regina Phelps, 2010

This thoughtful book starts the question "Why are we doing this?" ...one of the keys to get the most out of every exercise you design. This text peels back the design process with the goal of creating the best experience possible. Whether you are developing a simple tabletop exercises or working on a full-scale extravaganza, this book will provide you with gems of wisdom.

Please contact the library to request a loan of this book

FIRE INVESTIGATION



NFPA 921 : Guide for Fire and Explosion Investigations (US Code)

NFPA, 2020

Referenced in the field, in training, and in court, it is the foremost guide for rendering accurate opinions as to incident origin, cause, responsibility, and prevention. It is intended for use by both public sector employees who are responsible for fire investigation and private sector professionals who conduct investigations for insurance companies or litigation purposes.

The 2021 edition is now available, please contact the library to access

More books on fire investigation can be found listed [here](#)

METEOROLOGY AND CLIMATE CHANGE



Managing climate risk on your farm (eBook)

Michael Ison, 2017

This book explains daily and seasonal weather events; discusses the drivers of weather and climate and the longer term scientific models; and describes how to manage the risks that weather and climate present to your farm business. It covers three key principles: farming systems involve change and adaptation; variability in weather or climate brings unpredictability and managing this risk is a planning process.

Please [contact the library](#) for a password-embedded link to our eBook collection

Fuel accumulation models have been used widely in wildfire management. Early approaches to analytical or continuous models of fuel accumulation centred on the model introduced by Olson in 1963. Motivated by the differences in the implementation of Olson model, we proposed a more general approach featuring vegetation density modelling.

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

FIRE MANAGEMENT



Reducing bushfire risks (Report)

Victorian Auditor-General, 14 October 2020

As the devastating 2019–20 bushfire season showed, all Victorians are at risk from bushfires. This audit was conducted to examine

if the responsible state agencies are effectively working together to reduce Victoria's bushfire risk.

Use this [VAGO link](#) to read the report and watch the summary online.

Fuzzy boundaries: Simulation and expertise in bushfire prediction (Journal article)

Social studies of science, Vol 50, Dec 2020

Drawing on interviews with Fire Behaviour Analysts from across the fire-prone continent of Australia, this article examines how their expertise has emerged and become institutionalised, exploring how it's embedding in bushfire management agencies reveals cultural boundaries and tensions.

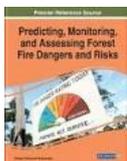
Please contact the library to request a copy of this article.

Spatial databases and techniques to assist with prescribed fire management in the south-east Queensland bioregion (Journal article)

International Journal of Wildland Fire, Published online: 29 October 2020

This paper identifies key fire history and fire-related spatial databases that can be utilised for effective planning and assessment of prescribed burns in south-eastern Queensland. There are several spatial databases and analytical methods available that are not currently used by fire management agencies in this region. For example, the methods to estimate fuel, such as LiDAR, are underutilised and unburned patches within a burned area are not routinely mapped.

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



[Predicting, Monitoring, and Assessing Forest Fire Dangers and Risks](#) (eBook)

Nikolay Baranovskiy, 2020

To understand the catastrophic processes of forest fire danger, different deterministic, probabilistic, and empiric models must be used. The

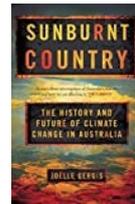


Climate of the nation 2020 (Report)

The Australia Institute, 28 October 2020

In the wake of the devastating Black Summer bushfires, an overwhelming majority of Australians (82%) say they are concerned about climate change resulting in more bushfires, according to this report released by the Australia Institute's Climate & Energy Program.

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



[Sunburnt country : the history and future of climate change in Australia](#) (eBook)

Joëlle Gergis, 2018

Now available as an eBook as well as hardcopy from the library, this popular book pieces together Australia's climate history for the first time. It uncovers a continent long vulnerable to climate extremes and variability and highlights the impact of a warming planet on Australian lifestyles and ecosystems.

Please [contact the library](#) for a password-embedded link to our eBook collection or to borrow the hardcopy.



Big Weather (and how to survive it)

(Television series)

ABC iview, 2020

With unique access to Australia's emergency services, first responders and local communities, Big Weather (and how to survive it) is an emotionally gripping series filmed over one intense summer.

Use this [ABC iview link](#) to watch the series online.

NATURAL ENVIRONMENT



Regenerate Australia: a roadmap to recovery and regeneration (Report)

World Wildlife Fund (Australia), 19 Oct 2020

This strategy document outlines the WWF's new program of ongoing action to ensure the environment, people and wildlife not only survives, but thrive together.

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

LEADERSHIP AND MANAGEMENT

Leadership Under Pressure (Magazine article)

TD : Talent Development, Vol 74, Nov 2020

The current global pandemic has brought its own set of challenges with the threat of infection, managing remote teams, the oversight of new protocols, and limited ability to travel. For managers leading in these difficult times, three military leadership tools—the operations order, the

content within this publication examines climate change, thermal radiation, and remote sensing. Simulating various surface and crown forest fires using predictive information technology could lead to the improvement of existing systems. A list of chapters within the eBook is available [here](#).

Please [contact the library](#) for a password-embedded link to our eBook collection

FIRE BEHAVIOUR

Comparing daily fire danger metrics with fire activity (Online article)

CSIRO Pyropage Issue 29, October 2020

This issue reports on the findings of a recently published comparison of different methods for calculating daily forest fire danger index using hourly forecast weather. It was found that current standard practice of using the maximum FFDI for the day was the most consistently performing metric.

Use this [CSIRO link](#) to read the issue online

If you are interested in the October 2020 IJWF article - *Comparing the performance of daily forest fire danger summary metrics for estimating fire activity in southern Australian forests - which is recommended for further reading please contact the library.*

2019–2020 Australia Fire and Its Relationship to Hydroclimatological and Vegetation Variabilities (Journal article)

Water, Vol 12, November 2020

Linking climate and vegetation settings to wildfires can provide insightful information for wildfire prediction, and help better understand wildfires behaviour in the future. The goal of this research was to examine the relationship between the recent wildfires, various hydroclimatological variables, and satellite-retrieved vegetation indices. The analyses performed here show the uniqueness of the 2019–2020 wildfires.

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

Carbon-releasing 'zombie fires' in peatlands could be dampened by new findings (ScienceDaily News article)

Imperial College London, 30 October 2020

Imperial College London researchers have simulated for the first time how soil moisture content affects the ignition and spread of smouldering peat fires, which can release up to 100 times more carbon into the atmosphere than flaming fires. They also simulated how several smaller peat fires can merge into one large blaze, and tracked the interplay between smouldering and flaming fires.

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

back brief, and leader decision exercises—can aid in navigating the challenges.

Please [contact the library](#) to request a copy of this article.

LEARNING & DEVELOPMENT



[Training the Trainer :](#) [Attaining the TAE40116 Certificate IV](#) [in Training & Assessment](#) (Book)

Skills Assessment Australia, 2020

Second edition updated for 2020. This is a complete learning package for the TAE40116 Certificate IV in Training and Assessment, covering all nine core units of competency plus one elective.

Please [contact the library](#) to request a loan of this book

HEALTH AND SAFETY

Researchers find confusion over masks for wildfire, COVID-19 crises (ScienceDaily news article)

Stanford's School of Earth, Energy & Environmental Sciences, October 28, 2020

Drawing from studies on human behaviour and responses to past epidemics and wildfire smoke, researchers outline recommendations for communicating correct mask use and suggest areas for further research.

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

MENTAL HEALTH & INCIDENT STRESS

Wellbeing at work and why it matters (Podcast)

HR Breakfast Club, October 2020

This episode discusses a variety of practical, straightforward and real ideas to maintain wellbeing in the workplace. The host Genevieve Jacobs takes a look into the growing challenge for HR managers in workplaces, which is helping employees maintain health and wellbeing in these tough times.

Use this [link](#) to listen to the podcast.

Anger Dimensions and Mental Health Following a Disaster: Distribution and Implications After a Major Bushfire. (Journal article)

Journal of traumatic stress, Published online 2 Nov 2020

Anger is an important dimension of affect and a prominent feature of posttraumatic mental health, but it is commonly overlooked in post-disaster settings. The authors aimed to examine the distribution and implications of significant anger problems in the aftermath of a natural disaster, via analyses of Beyond Bushfires

MAPPING AND REMOTE SENSING



Mapping bushfire hazard and impacts (Report)

Bushfire and Natural Hazards CRC, October 2020

This project used cutting-edge technology to produce near-real-time spatial information on fuel condition, fire hazard and impact to support a wide range of fire risk management and response activities such as hazard reduction burning and pre-positioning firefighting resources and, in the longer term, the new Australian Fire Danger Rating System (AFDRS)

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

Experimental Fire Measurement with UAV Multimodal Stereovision (Journal article)

Remote Sensing, Vol 12, November 2020

In wildfire research, systems that are able to estimate the geometric characteristics of fire, in order to understand and model the behaviour of this spreading and dangerous phenomenon, are required. The main result of this work is the development of a portable drone system which is able to obtain georeferenced stereoscopic multimodal images associated with a method for the estimation of fire geometric characteristics.

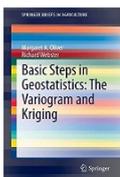
Use this [MDPI link](#) to read the article online.

Terrestrial Image-Based Point Clouds for Mapping Near-Ground Vegetation Structure: Potential and Limitations (Journal article)

Fire, Vol 3, no 4

Site-specific information concerning fuel hazard characteristics is needed to support wildfire management interventions and fuel hazard reduction programs. This paper explores the use of image-based point clouds generated from imagery captured using a low-cost compact camera for describing the fuel hazard within the surface and near-surface layers.

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



Basic steps in geostatistics : the variogram and kriging (eBook)

Margaret Oliver, 2017

This text provides a condensed introduction to the fundamental principles of modern geostatistics and the currently available software so that practitioners can choose sensibly and draw correct conclusions from their analysis and mapping.

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survey data from 736 residents of rural communities 5 years after the 2009 Black Saturday bushfires in Victoria, Australia.

Please [contact the library](#) to request a copy of this article.



Bill Bailey on happiness (Podcast : 51 mins)

ABC Conversations, 26 Oct

Bill went through a period of discombobulation when he found himself

confined to London this year instead of touring and adventuring as planned. Then he began to appreciate the uncharacteristic quiet of his city, the unusual chattiness of his neighbours, and against the background of tragic events around the world, turned his mind to the question of happiness.

Use this [ABC link](#) to listen to the podcast.

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

CHILDREN'S BUSH FIRE COLLECTION



Bushfires in Australia (Book)

John Lesley, 2020

A publication suitable for primary school children (ages 8+) that studies bushfires as a natural disaster in Australia.

Please [contact the library](#) to request a loan of this book

More books in our children's bush fire collection can be found listed [here](#)

GENERAL



Scientific writing = thinking in words (eBook)

David Lindsay, 2020

Telling people about research is just as important as doing it, this book presents a way of thinking about writing that builds on the way good scientists think about research.

The simple principles in this book will help you to clarify the objectives of your work and present your results with impact. It is an ideal reference for researchers preparing journal articles, posters, conference presentations, reviews and popular articles

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