



NSW Rural Fire Service Library

New books, articles and reports in your library this month



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(Image: Librarian, Toby the dog, and some other kids exploring (probably mustering for sheep) East Bluff, Liverpool Range, 1970s.

New resources this month includes reports, books and journal articles covering California's wildfires, our connection to the natural environment aiding recovery from the 'Black Saturday' bushfires, firefighters' physical training and injuries, Clementine Ford's book *Fight like a Girl*, drone imagery and disaster management, Tommy Caldwell's book on climbing the Dawn Wall and the latest edition of Stephen Pyne's classic, *Fire*. ...plus so much more.

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FIRE INCIDENTS – AUSTRALIAN

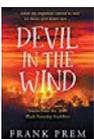


The 2018 Queensland bushfire review (Report)

Office Of The Inspector-General Emergency Management, 2019

The purpose of this review is to assess the effectiveness of Queensland's disaster management system in preparing for and responding to the major bushfires that occurred from late November to early December 2018. The review also considers the system's handling of the associated heatwave.

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

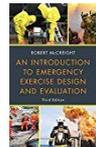


[Devil in the wind : voices from the 2009 Black Saturday bushfires](#) (Book)

Frank Prem, 2019

Devil In The Wind is Frank Prem's poetic anthology of the personal, and very human, accounts of those who themselves experienced and survived Black

EMERGENCY MANAGEMENT



[An introduction to emergency exercise design and evaluation](#) (Book)

Robert McCreight, 2019

This completely updated edition is designed to help practitioners and students of emergency management understand various aspects of the exercise design process. This book focuses on natural disasters and technological emergencies that occur in communities of any size. It provides emergency planners, public health professionals, emergency managers, police officers, and fire fighters with an in-depth look at exercise design issues and an accessible guide to designing and evaluating emergency exercises.

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

Lessons Management

This handbook is a new addition to the Australian Disaster Resilience Handbook Collection. It is based on

Saturday. Poetry writing that interacts directly with readers emotions.

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

FIRE INCIDENTS – INTERNATIONAL



[Stop the burn : the best solution for California's wildfire epidemic and much more](#) (Book)

Ryland Williams, 2019

This book chronicles California's destructive and deadly firestorms of 2017-2018, and the conditions leading up to this wildfire epidemic. The author specifically addresses the issues creating these hazardous conditions, and then providing the best solution for preventing the majority of the state's wildfires in the future. The book quotes, summarises, and compares many of the experts' solutions, and reviews PG&E's bankruptcy and their fight to survive this company's most turbulent times.

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

Unprecedented wildfires in the Arctic (News article)

Crisis Response News, 23 July 2019

Unusually hot and dry conditions in parts of the northern hemisphere have been conducive to wildfires raging from the Mediterranean to the Arctic, says the World Meteorological Organisation (WMO).

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

Burn, build, repeat (Journal article)

Mother Jones, Vol 46, September 2019

This article explores the continued homebuilding in sites close to the edge of the forests in California which are prone to wildland fire despite the rising risk of wildfires. Topics covered include actions of humans that contribute to wildfires such as fire suppression and climate change, costs of suppressing wildfires for California's Department of Forestry and Fire Protection, destruction caused by Carr Fire and Camp Fire in California and lack of building restrictions in fire-prone areas.

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

Why do we need a national address point database to improve wildfire public safety in the U.S.? (Journal article)

International Journal of Disaster Risk Reduction, Vol. 39, October 2019

current and ongoing activity in lessons management. It builds on the capability and knowledge of organisations and individuals from across the emergency management and defence in Australia and internationally.

Use this [AIDR link](#) to open the handbook online.

COMMUNITY ENGAGEMENT

Older adults in disaster and emergency management:

What are the priority research areas in Australia?

(Journal article)

International Journal of Disaster Risk Reduction, Volume 39, October 2019

In Australia, the proportion of people aged over 65 years is increasing and the frequency and severity of natural hazard events are also increasing. Older adults are often identified as a vulnerable group in natural hazard events, but there has been relatively little research that focuses specifically on older adults and their capacities and needs. This paper describes stakeholder consultation undertaken to identify research priorities related to older adults and natural hazards in Australia

Please contact the library to request a copy of this article

Chasing The Chatter (Magazine article)

NFPA Journal, July/August 2019

Around the world, an army of volunteers equipped with little more than laptops monitors social media activity during all manner of emergencies. That work is contributing to a fundamental change in how safety agencies interact with the public during large-scale disasters.

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

COMMUNITY RESILIENCE

The role of the natural environment in disaster recovery:

“We live here because we love the bush” (Journal article)

Health & Place, Vol 57, May 2019

This study explored the role of connection to the natural environment in recovery from the ‘Black Saturday’ bushfires that blazed across Victoria, Australia, in February 2009. Findings showed that participants had a strong connection to the natural environment, experienced considerable grief as a result of its devastation in the fires and drew solace from seeing it regenerate over the following months and years.

Please contact the library to request a copy of this article

The aim of this paper is to advance understanding of the value of national address point databases in improving wildfire public safety in the U.S. The authors cover four primary applications: wildland-urban interface mapping, wildfire evacuation warnings/zoning, wildfire evacuation traffic simulation, and house loss assessment/notification. *Please contact the library to request a copy of this article.*

FIREFIGHTING

Structural Triage in the Wildland Urban Interface (US Magazine article)

Fire Engineering, July 2019

Structural firefighters operating in a wildland urban interface (WUI) may have to determine which buildings can be saved from an impending wildland fire. That determination can become convoluted from looking at structures within wildland areas with an eye toward employing typical residential fire tactics as well as the emotionally charged pressures from homeowners and elected officials to save these structures.

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

Examining barriers, motivators and injury related to physical training in wildland firefighters (US Journal article)

International Journal of Wildland Fire, online 30 July 2019

Unfortunately, little is known about the US physical training (PT) programs of wildland firefighters (WLFs). The purpose of this study was to understand motivators, barriers and injuries related to PT. Nearly half the injuries reported by WLF resulted from PT and ~40% were viewed as preventable injuries. More importantly, results from this study identify, from the perspective of the firefighters themselves, the major motivators and barriers to engaging in PT.

Please contact the library to request a copy of this article

FIRE BEHAVIOUR

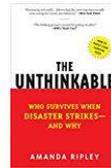


[Fire : a brief history](#) (Book)

Stephen J. Pyne, 2019

This second edition by Stephen Pyne, named by Science magazine as "the world's leading authority on the history of fire"-explores the surprising dynamics of fire before humans, fire

[The unthinkable : who survives when disaster strikes - and why](#) (Book)



Amanda Ripley, 2009

Nine out of ten Americans live in places at significant risk of earthquakes, hurricanes, tornadoes, terrorism, or other disasters.

Tomorrow, some of us will have to make split-second choices to save ourselves and our families. Journalist Amanda Ripley set out to discover what lies beyond fear and speculation, retracing the human response to some of history's epic disasters.

This book is also available as an audio book. Please contact the library to request a loan of this book or for instructions on how to listen to our audiobook collection.

MENTAL HEALTH & INCIDENT STRESS

Coping, caring and believing: The embodied work of disaster recovery workers (Journal article)

Emotion, Space and Society, Vol 32, August 2019

Christine Eriksen explores the little-known role of faith in coping with disasters. She examines the embodied experiences of coping, caring and believing by disaster recovery workers in Australia in the context of the growing frequency and intensity of disasters, especially bushfires.

Please contact the library to request a copy of this article



[Superhuman : life at the extremes of mental and physical ability](#) (Book)

Rowan Hooper, 2019

This is a book about what it feels like to be exceptional - and what it takes to get there.

Why can some people achieve greatness when others can't, no matter how hard they try? What are the secrets of long life and happiness? Just how much potential does our species have? In this inspirational book, New Scientist Managing Editor Rowan Hooper takes us on a tour of the peaks of human achievement.

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

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

WORK, HEALTH AND SAFETY

and human origins, aboriginal economies of hunting and foraging, agricultural and pastoral uses of fire, fire ceremonies, fire as an idea and a technology, and industrial fire.

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

Persistent impacts of smoke plumes aloft (*ScienceDaily news article*)

University of Colorado at Boulder, 8 August 2019

Thunderstorms generated by a group of giant wildfires in the Pacific Northwest of the United States in 2017 injected a small volcano's worth of aerosol into the stratosphere, creating a smoke plume that lasted for almost nine months. Scientists now explore implications for climate modelling, including models of nuclear winter and geoengineering.

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

FIRE MANAGEMENT

Cost effectiveness of fire management strategies in southern Australia (*Journal article*)

International Journal of Wildland Fire, Online: 18 June 2019

Fire-management agencies invest significant resources to reduce the impacts of future fires. There has been increasing public scrutiny over how agencies allocate fire-management budgets and, in response, agencies are looking to use quantitative risk-based approaches to make decisions about expenditure in a more transparent manner. Here, the authors, analyse the cost trade-offs of future fire management in the Australian Capital Territory (ACT) and surrounding areas by combining fire simulation with Bayesian Decision Networks.

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

AVIATION AND DRONES

Integrating drone imagery into disaster management : Lessons from the 2017 and 2018 California wildfires (*Paper*)

Chittayong Surakitbanharn, former executive director of the Stanford Urban Resilience Initiative (now head of marketing for Hivemapper), and Gregory Crutsinger, Founder of Scholar Farms, have co-authored a newly released white paper reviewing the use of drone mapping in major wildfires in Northern California during the 2017 and 2018 fire seasons. The white paper illustrates the

Tips and Tricks for Improving Firefighters' Diets (*US Magazine article*)

Fire Engineering, July 2019

Unfortunately, cardiovascular disease (CVD) represents a leading cause of death in the United States and is even more prevalent among the firefighter population. The question the authors examined recently was, how does the diet of the suburban volunteer firefighter look? It has been reported that most firefighters tend to overestimate their overall health and diet so we conducted nutrition workshops and collected three-day diet information from firefighters to see how their diet actually was.

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LEARNING AND DEVELOPMENT

The Scholarship of Teaching and Learning in Emergency Management and Homeland Security: Trends, Gaps, Barriers, and Opportunities (*Journal article*)

Journal of Emergency Management, Vol 17, no 1, 2019

Underlying the nature of what is and is not a profession are education standards. Among the characteristics defining a profession's specialized boundaries are the education standards comprising its academic programs.

Please contact the library to request a copy of this article

LEADERSHIP AND MANAGEMENT



[Leadership in turbulent times : lessons from the presidents](#) (*Book*)

Doris Goodwin, 2019

In Leadership Goodwin draws upon four of the presidents she has studied - Abraham Lincoln, Theodore Roosevelt, Franklin D. Roosevelt and Lyndon B. Johnson - to show how they first recognised leadership qualities within themselves, and were recognised as leaders by others. By looking back to their first entry into public life, when their paths were filled with confusion, hope, and fear, we can share their struggles and follow their development into leaders.

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

Expectations and Leadership (*Magazine article*)

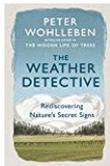
Fire Engineering, July 2019

Have you ever wondered if expectations are important in leadership? What does your organization expect from you? What do you expect from the organization? What

potential for drones to provide fast, high-resolution, low-cost map layers following a disaster. It focuses specifically on the deployment of drones during the Camp Fire in Butte County as a case study.

Use this [Scholar Farms link](#) to read the paper online or contact the library to request a copy.

METEOROLOGY AND CLIMATE CHANGE



[The weather detective : rediscovering nature's secret signs](#) (Book)

Peter Wohlleben, 2019

At what temperature do bees stay at home? Why do southerly winds in winter often bring storms? If you cut open a hailstorm, what does that tell you? Why are pine cones useless as pocket weather stations? How do birdsong or flower scents help you tell the time? Full of the very latest discoveries, combined with ancient now-forgotten lore, *The Weather Detective* helps you read nature's secret signs and discover a whole new layer of meaning in the world around you.

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

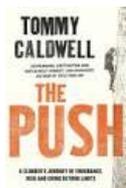
How wildfires trap carbon for centuries to millennia (ScienceDaily news article)

University of East Anglia, 5 August 2019

Charcoal produced by wildfires could trap carbon for hundreds of years and help mitigate climate change, according to new research. A new study quantifies the important role that charcoal plays in helping to compensate for carbon emissions from fires. Researchers say that this charcoal could effectively 'lock away' a considerable amount of carbon for years to come.

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

GENERAL



[The push](#) (Book)

Tommy Caldwell, 2017

On January 14, 2015, Tommy Caldwell, along with his climbing partner, Kevin Jorgeson, summited what is widely regarded as the hardest climb in history--Yosemite's nearly vertical 3,000-foot Dawn Wall, after nineteen days on the route. Caldwell's odds-defying feat was the culmination of an entire lifetime of pushing himself to his limits as an athlete. *The Push* is an arresting story of focus, drive, motivation, endurance, and transformation. Tommy

do your members/ subordinates/peers expect from you, and what should you expect from them?

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[Systems leadership : creating positive organisations](#) (Book)

Ian Macdonald, 2018

The new edition of this influential and bestselling book is concerned with how people come together to achieve a productive purpose. By creating positive organisations we can fulfil these needs and build a worthwhile society. One of the failures of organisations is precisely the lack of efficient and effective social organisation, which is what this whole book is about. Poor social organisation, including poor leadership, are major drivers of poor productivity and lead people to give up or retreat into a minimalist approach of just doing what is needed to get by and survive.

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

Leadership Fundamentals: Anyone Can Lead (Magazine article)

Fire Engineering, July 2019

What the author has come to realise is that the most significant source of leadership is an intrinsic force for which he is responsible. Whether it's the first day of your first station assignment out of recruit class or the first day you settle in the leather chair behind the large oak desk as you take on the new position as chief of the department, your thoughts and feelings are the same.

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Enhancing leadership capacity in the public sector: branding as an employer of choice (Journal article)

International Journal of Public Leadership, Vol 15 No 3, 2019

Public services around the world are grappling to enhance their leadership capacity. One approach is to provide leadership training and development to public servants, while another would be to target and hire individuals with proven leadership ability. The purpose of this paper is to focus on that latter strategy by critically examining the concept of branding the public service as an employer of choice as a means of recruiting and retaining sufficient leadership capacity.

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Caldwell's interview on ABC Conversations can be found [here](#).

This book is also available as an audio book. Please contact the library to request a loan of this book or for instructions on how to listen to our audiobook collection.

WOMEN AND SUCCESS



[Fight like a girl](#) (Book)

Clementine Ford, 2016

Through a mixture of memoir, opinion and investigative journalism, *Fight Like A Girl* exposes just how unequal the world continues to be for women. Using first person narrative, empirical evidence, media clippings, anecdotal storytelling and the words of young women themselves, Clementine Ford has written an essential companion for feminists new, old and as yet unrealised that will give them new language to articulate their rage and frustrations.

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