



New books, articles and reports in your library this month



World Press Photo Exhibition 2020 (Exhibition)

Selected from the prestigious World Press Photo contest, the exhibition features more than 150 powerful and evocative images and photo series captured by professional photographers from across the globe. Australian photographers Matthew Abbott (Spot News) and Sean Davey (Contemporary Issues) won second prize in their categories for their coverage of the recent Australian bushfires. The Exhibition is on display at the State Library of NSW, 2020 until 18 October, 2020. View the 2020 Photo Content online using this link

Firefighters battle the Marsh Complex Fire, near the town of Brentwood, California, USA. Photograph by Noah Berger, World Press Photo Award for Environment

FIRE INCIDENTS – AUSTRALIAN

NSW Bushfire Inquiry (Report)

Department of Premier and Cabinet, August 2020

The NSW Government commissioned an independent expert inquiry into the 2019-20 bushfire season to provide input to NSW ahead of the next bushfire season. The final report, which examined the causes, preparation and response to the devastating 2019-20 bushfires is now available.

Use this DPC link to read the report online.



Australian Seasonal Bushfire Outlook: September - November 2020 (Hazard Note No. 77)

BNHCRC, August 2020

The 2020/21 fire season will be driven by vastly different climate drivers than the previous two fire seasons. With a La Niña ALERT now active, large areas of eastern and northern Australia are expecting wetter than average conditions through spring.

Use this BNHCRC link to read the hazard note online.



Shane Fitzsimmons : Forged in flames (Magazine article)

Australian Women's Weekly, September 2020

When fire ravaged eastern Australia last summer, Shane Fitzsimmons was the steady, resolute, compassionate voice that saw us through. Samantha Trenoweth meets the former NSW RFS Commissioner and his family on their very personal quest for resilience and recovery.

EMERGENCY MANAGEMENT

Interim observations (Account and video)

Royal Commission into National Natural Disaster Arrangements, August 2020

The Royal Commission into National Natural Disaster Arrangements is holding hearings to gather evidence about coordination, preparedness for, response to and recovery from disasters as well as improving resilience and adapting to changing climatic conditions and mitigating the impact of natural disasters. It has published its interim observations to share its present perspectives as the Commission approaches the final stages of its inquiry.

Use this link to access the observations online.



Decision making in emergency management (Book)

Jan Glarum, 2019

Through a broad range of case studies, readers discover how experience impacts decision-making in conjunction with research and tools available. While the use of science, data and industry standards are always the best option when it comes to handling emergency situations, not all emergency situations fit one known solution.

Please contact the library to request a loan of this book



The Gatherings Order (Podcast series)

State Library of New South Wales, 2020.

In 1918–19 an influenza pandemic took an estimated 15,000 Australian lives, and millions

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

## FIRE INCIDENTS – INTERNATIONAL

### California Bushfires, August 2020 (Briefing note 425)

Risk Frontiers, August 2020

Nearly 771,000 acres of largely unpopulated land have burned across California during the past week as dozens of lightning-sparked wildfires moved quickly through dry vegetation and threatened the edges of cities and towns.

Use this [Risk Frontiers link](#) to read the brief online.



### Living with fire in Canada's forests (Webinar: 76 mins)

ICLRinfo, May 2020

Dr Marty Alexander discusses the concept of wildfire control through managing fuels on the basis that elimination of ignition risk in the WUI is not feasible and that addressing the “fuel” component of the fire environment offers the only viable course of action.

Use this [YouTube link](#) to watch the webinar online



### Siberian Wildfires (Webinar: 62 mins)

Pau Costa Foundation, August 2020

Triggered by a heat wave, 2020 wildfires in Russia have burned an area larger than the size of Greece. This webinar from the Pau Costa Foundation describes what's happening in the Arctic and Siberia, and how these seemingly rare fires are increasingly becoming the norm.

Use this [YouTube link](#) to watch the webinar online



### The Cost of Wildfires : A closer look at the impacts of wildfires in California (Website storyboard)

Wharton Risk Center, University of Pennsylvania, 2020

Eight of the twenty most destructive wildfires in California history occurred in 2017 and 2018, destroying more than 30,000 structures—double the number consumed by the other twelve. But wildfires cause much more than just property damage. The authors discuss several of the categories of costs, direct and indirect, that result from wildfires

Use this [ARCGIS link](#) to view the storyboard online

## FIREFIGHTING



### Firefighting strategies and tactics (Book)

James S Angle, 2020

The fourth edition offers in-depth coverage of potential incident hazards, strategic goals, and tactical objectives for US fire fighters

more around the world. One hundred years on, as we grapple with COVID-19, this five-part series rakes through the archives of the State Library of NSW with historians, public health experts and scientists to trace the path of the 1918-19 pandemic. An eerily familiar story of loss, resilience and discovery in a world turned upside down.

Use this [SLNSW link](#) to listen to the podcasts online.

## LEADERSHIP AND MANAGEMENT

### When to Lead and When to Follow : Leadership and Communication (Magazine article)

Fire Engineering, August 2020

The article offers information on challenges for leaders in any position for developing their communication technique. Topics include obtain situational awareness of an issue or a concept, such as listening in on policy discussions or debates, or may be present to support the staff; and revising or improving a process, which can tend to more pressing issues elsewhere.

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

## ECOLOGY

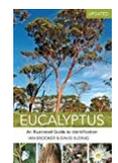


### Grasses of the NSW tablelands (Book)

Department of Primary Industries, 2013

An easy-to-use reference to the grasses of the NSW tablelands, including the methods of identifying species. Beautiful colour photographs for each species and notes on appearance and management.

Please contact the library to request a loan of this book



### Eucalyptus : an illustrated guide to identification (Book)

Ian Brooker and David Kleinig, 2012

A practical handbook for anyone interested in Australian trees which covers 200 of the most common species of eucalypts from all over Australia.

Please contact the library to request a loan of this book



### Cronin's key guide : Australian trees (Book)

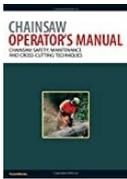
Leonard Cronin, 2007

This 2013 reprint features more than 325 species from all parts of the continent, each tree beautifully illustrated and described in detail in clear, concise language. There are distribution maps for every species and to make identification fast and simple, there is also a unique, easy-to-use visual key.

Please contact the library to request a loan of this book

studying for promotion or taking civil service examinations and for fire fighters and fire officers employed during a wide spectrum of fire incidents.

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

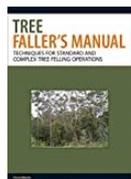


[Chainsaw operator's manual : chainsaw safety, maintenance and cross-cutting techniques](#)

(eBook)  
*ForestWorks, 2009*

This popular guide to basic chainsaw operating techniques covering safety, maintenance and cross-cutting is now also available online through the library. Detailed diagrams illustrate horizontal, vertical and boring cuts, as well as trimming and cross-cutting techniques. Safety considerations are discussed, including workplace safety, occupational hazards, kick-back and identifying dangerous trees.

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



[Tree faller's manual : techniques for standard and complex tree-felling operations](#) (eBook)

*ForestWorks, 2011*

This essential handbook for forest operators and others who need to fell trees manually using a hand-held chainsaw is now also available online through the library. This manual builds on the information provided by the Chainsaw Operator's Manual. Tree felling is a high risk activity. This manual will guide the faller to safer work techniques.

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

## FIRE BEHAVIOUR

### **Effect of weather forecast errors on fire growth model projections** (Journal article)

*International Journal of Wildland Fire, online 31 Aug 2020*

Fire management agencies use fire behaviour simulation tools to predict the potential spread of a fire in both risk planning and operationally during wildfires. These models are generally based on underlying empirical or quasi-empirical relations and rarely are uncertainties considered. Little attention has been given to the quality of the input data used during operational fire predictions. The authors examined the extent to which error in weather forecasts can affect fire simulation results.

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

### **Improvements in Australia's Bushfire Rate of Spread Models Over Time** (Conference paper)

*Proceedings of the Fire Continuum Conference. 21-24 May 2018, Missoula, U.S.*

## COMMUNITY ENGAGEMENT

### **The likelihood of having a household emergency plan: understanding factors in the US context** (US journal article)

*Natural Hazards, August 2020*

Individual household emergency planning is the most fundamental and can be the least expensive way to prepare for natural disasters. However, despite government and non-profit educational campaigns, many Americans still do not have a household plan. Using a national sample of Americans, this research observes factors that influence people's likelihood of developing a household emergency plan.

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

### **Community Engagement for Disaster Resilience** (Handbook)

*AIDR, 2020*

The new handbook presents community engagement as a critical component of emergency management and action to reduce disaster risk and strengthen resilience. It provides high-level guidance to support those who engage with communities at all phases of disaster.

*Use this [AIDR link](#) to access the handbook and showcase webinar.*

### **Modelling evacuation decision-making in the 2016 Chimney Tops 2 fire in Gatlinburg, TN** (US Journal article)

*International Journal of Wildland Fire, online 2 Sept 2020*

Fire cues, warnings from a trusted source and prior awareness of fire risks were highly associated with risk perceptions, and risk perception was the variable most influential on evacuation decision. This research also highlights the importance of question comprehension, standardised survey instruments and online sampling methods (for displaced populations).

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

*The ScienceDaily news article related to this article can be read online using this [link](#)*

## HEALTH AND SAFETY

### **The COVID-19 Pandemic and Wildfire Smoke: Potentially Concomitant Disasters** (US Journal article)

*American Journal of Public Health, August 2020*

The article discusses potentially dangerous interactions between wildfire smoke pollution and SARS-CoV-2 given the threat of COVID-19. It examines air pollution and acute respiratory disease and the risk of disease, and the possible deterioration of air quality and increased dangers of COVID-19.

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

The authors analysed the predictive accuracy of rate of fire spread models used operationally in Australia in five different fuel types. This analysis was undertaken by comparing predictions of older models with those of newer models. This study has highlighted the value of continuous improvement in fire behaviour modelling. *Please contact the library to request a copy of this article or use this [link](#) to download the The fire continuum—preparing for the future of wildland fire: Proceedings of the Fire Continuum Conference. 21-24 May 2018, Missoula.*

#### **Calculating bushfire rate of forward speed (Online article)** *CSIRO Pyropage Issue 28, August 2020*

This issue reports on the findings of a recently published investigation of the difference between two methods of calculating a bushfire's rate of spread. These methods are cumulative rate of spread, or the average speed for the life of the fire, and the interval rate of spread, the speed between sequential observations.

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

*If you are interested in the February 2020 IJWF article - Two methods for calculating wildland fire rate of forward spread - which is recommended for further reading please contact the library.*

## **FIRE MANAGEMENT**

#### **Wildfires: Australia needs a national monitoring agency** *(Journal article)*

*Nature, Vol 584, 13 August 2020*

This article calls on researchers and policymakers to build a dedicated national bush-fire monitoring agency for Australia. This is essential to provide the coherent information required for cost-effective, evidence-based fire management and mitigation. Only thus, the authors underline, can Australia's resilience to climate change be strengthened.

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

#### **Why Bushfires Are Getting Worse. (Magazine article)** *Quadrant, April 2020*

The article discusses forest fire management, why bushfires are getting worse in Australia. Topics include views of wildfire analyst Stephen Pyne on how the evolution of an aircraft-based paramilitary emergency response culture that was displacing the traditional wildfire mitigation approach of balancing off-season land management with in-season fire suppression; reasons such as due to avoidable human factors such as lack of attention and climate change in bushfires.

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

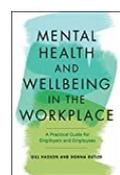
*[Click here](#) for a list of Stephen Pyne's books available to borrow from the library.*



**Men's Journal** – the Sept/Oct 2020 issue is out and in our online magazine collection. Read about neurotechnology in fitness, car camping, kayaking across the American Everglades and so much more.

*Contact the library for the password embedded link to access our eMagazines.*

## **MENTAL HEALTH & INCIDENT STRESS**



#### **[Mental health and wellbeing in the workplace](#)** *(Book)*

*Gill Hasson and Donna Butler, 2020*

The Department of Health advises that one in four of us will experience mental ill health at some point in our lives. It is therefore

important that employers and their staff take steps to promote positive mental health and support those experiencing mental ill health. This book includes case studies from both employers and employees perspectives, and covers important following issues

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

#### **First Responders and PTSD: A Literature Review** *(Magazine article)*

*Journal of Emergency Medical Services, online 28 July 2020*

The authors reviewed ten years of published articles, selected 48 to evaluate and then 15 articles were utilised. The authors summarise the findings in the article.

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

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

## **BUILDING**



#### **AS 3959:2018 Construction of buildings in bushfire-prone areas** *(Australian Standard)* *Standards Australia, 2018*

This standard specifies requirements for the construction of buildings in bushfire-prone areas in order to improve their resistance to bushfire attack from burning embers, radiant heat, flame contact and combinations of the three attack forms.

It is available free online in PDF Personal use format until June 2021.

*Use this [SAI Global link](#). Select PDF 1 User – the cost is marked as Free. Add to cart and check out as a guest. The PDF link will be sent to your email.*

### **The Wildfire SAFE App: Delivering Real-Time Data to Improve Wildfire Management (Newsletter)**

*US Forest Service Rocky Mountain Research Station, August 2020*

In 2017, fire managers in the Northern Rockies region were invited to test a prototype of Wildfire SAFE, a new wildfire app. Within minutes of a reported wildfire, fire managers could open the app and zoom in on the wildfire's location. Tied into the location was real-time information on environmental conditions that could influence the wildfire's spread, such as the terrain, drought conditions, and the 7-day weather fire danger forecast. No longer a prototype, Wildfire SAFE is now available for the entire continental United States. Use this [USDA link](#) to read the newsletter online.

## **PRESCRIBED BURNING AND HAZARD REDUCTION**

### **Microbial communities of upland peat swamps were no different 1 year after a hazard reduction burn (Journal article)**

*International Journal of Wildland Fire, online 7 Aug 2020*

Fire in wetlands is poorly understood, yet hazard reduction burns are a common management practice and bushfires are becoming increasingly prevalent because of climate change. Fire may have long-lasting implications for the microbial component of these wetland ecosystems that regulate carbon and nutrient cycling. The extremely fire-prone Blue Mountains World Heritage Area contains hundreds of endangered peat-forming upland swamps that regularly experience both bushfires and hazard reduction burns.

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

### **Prescribed Burns in California: A Historical Case Study of the Integration of Scientific Research and Policy (US Journal article)**

*Fire, Vol 3, no 3, August 2020*

Over the past century, scientific understanding of prescribed burns in California's forests transitioned from being interpreted as ecologically harmful to highly beneficial. The state's prescribed burn policies mirrored this evolution. Harold Biswell, a University of California at Berkeley ecologist, studied prescribed burns and became a major advocate for their use during the 1950s and 1960s. Over several decades, Biswell engaged in conversations which ultimately advanced policy changes. Use this [MDPI link](#) to read the article online.

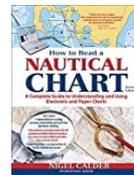
*If you would like to borrow Biswell's book, Prescribed Burning in California Wildlands Vegetation Management, please contact the library.*

### **Rethinking the Architecture of Bush Dwellings and Settlements (Magazine article)**

*Quadrant, March 2020*

In article the author talks about fireproof construction of suburban homes for fire prevention that occur due to wildfires in Australia. Topics include the impact of bushfires, and droughts on environment; consideration of fireproof construction that includes sprinklers that should be used in high-rise office and residential towers; and defensible bushfire homes for human settlements. *Please contact the library to request a copy of this article.*

## **MAPPING**



### **[How to read a nautical chart : a complete guide to understanding and using electronic and paper charts \(Book\)](#)**

*Nigel Calder, 2012*

Provides information on reading and relying on electronic and paper nautical charts. This title explains various aspects of electronic and paper nautical charts: how a chart is assembled, how to gauge the accuracy of chart data, how to read charts created by other governments, how to use information such as scale, and more.

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

## **LEARNING AND DEVELOPMENT**

### **What lies beneath (Magazine article)**

*TD : Talent Development September, 2020*

Instructional designers must be mindful of the observable and indiscernible cultural factors that influence how learners may react to training.

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

### **Unleash and Build Leadership Capabilities (Magazine article)**

*TD : Talent Development September, 2020*

Executive coaching programs are beneficial for both existing and potential execs.

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

## **CHILDREN'S BUSH FIRE COLLECTION**



### **[The bushfire book : how to be aware and prepare \(Book\)](#)**

*Polly Marsden, 2020*

An accessible and reassuring picture book that teaches children what they need to know about bushfires so they can understand what's happening and

## INDIGENOUS BURNING PRACTICE



**Hazards, culture and indigenous communities: socio-institutional modules for utilisation** (Report)

*Bushfire and Natural Hazards CRC, August 2020*

These Modules provide background information to support existing and potential collaborations between the natural hazards management sector and Indigenous peoples and their communities. The modules are specifically written for bushfire risk and its mitigation through land management activities, with the focus being Indigenous peoples' burning practices.

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

## AVIATION AND DRONES

**FFs Use Drone-Deployed 'Dragon Eggs' Against CO Wildfires** (US video: 2 mins)

*Firehouse, online 2 Sept 2020*

The Ping-Pong-size spheres have been used to help contain the US Grizzly Creek Fire outside Glenwood Springs by creating small, fiery explosions that eat the wildfire's fuel.

Use this [Firehouse link](#) to watch the short video online.



**Air Attack** – the latest issue (issue 10) is now available online. It includes articles on Super Scooper Training, Covid 19 Preparedness, Viking Air's New CL515 and a personal profile on Patrick Gregg.

Read the magazine online at this [HeliOps link](#)

## VOLUNTEER MANAGEMENT

**National Volunteer Fire Council - Volunteer Retention Research Report** (US Report)

*Marketing for Change, August 2020*

The US National Volunteer Fire Council (NVFC) has conducted a study to identify institutional drivers that cause volunteers to leave; the differing perceptions between leadership, current volunteers, and former volunteers; and what can be done to positively impact retention. The research was conducted in three phases over the course of several months in 2019 and 2020. Results from the survey of current and former members show that over two thirds of respondents feel their departments have (or had) a problem with volunteer retention. This includes nearly 70% of current department leadership. Additionally, nearly half of all current volunteers have considered leaving the fire service at some point.

be smart and prepared, not scared. This book will help children understand what causes bushfires, introduce you to all the clever people who are keeping an eye on them, and teach you how to be prepared and not scared.

*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](#)

## AUDIOBOOKS

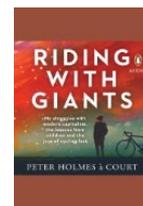


**Our audiobook collection is growing...** added this past month are these titles [Tour de force : the explosive journey from street cop to chief of the Australian Border Force](#), Julia Gillard's book [Women and leadership](#), and the children's book [Where there's smoke](#)

Remember, the audio books need to be 'borrowed' to be downloaded using the app EBSCO Audio. For the password and instructions please email me at

[rfs.library@rfs.nsw.gov.au](mailto:rfs.library@rfs.nsw.gov.au)

A list of the audio titles available to borrow from your library is available [here](#)



## HISTORY



**While the billy boils** – An automatic device, Billiboy, installed at the picnic grounds on the Lane Cove River in Sydney drew great interest from Foresters, local Councils and Parkland Authorities as a protective measure against fire, besides offering the public boiling water.

This article detailing the wonder of this water device was published over 65 years ago in our Bush Fire Bulletin.

Read this article and others in the December 1954 Bush Fire Bulletin issue online [here](#).

View all of the historical collection online at these sites

[Bush Fire Bulletin \(1952 – 1975\)](#)

[Sitrep \(1976 – 1978\)](#)

[Bush Fire Bulletin \(1978 – 2017\)](#)

This week is **History Week** - 5 – 13 September 2020

More information can be found on this History Council NSW [website](#)

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

## ICT



**PC World** – the September 2020 issue is out and in our online magazine collection. Read about the new Samsung Galaxy Note 20, laptop SD card readers, remedying Android issues, monitoring hard drive’s health and so much more.

Contact the library for the password embedded link to access our eMagazines.

### 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 and audiobook 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](mailto:rfs.library@rfs.nsw.gov.au)

The Library is closed temporarily to visitors to try to help slow the spread of Coronavirus (COVID-19) virus within the community.