



New articles and reports in your library this month

FIRE INCIDENTS – AUSTRALIAN

NSW Bushfire Inquiry 2020 quarterly progress report – April – June 2021 (Report)

NSW Government, July 2021

This 2nd quarterly report captures the activities of NSW Government agencies responsible for the implementation of the inquiry’s recommendations. It includes new firefighting vehicles delivered to the RFS, updates to the Fires Near Me App and the NSW RFS Aviation Simulator. Use this [link](#) to read the report online. The summary can be read online [here](#).



Fire Australia – Issue 3, 2021 is online

This month’s issue comprises of an interview with FRNSW Quinn Cramer including her advice for women working in emergency services, mental health support research guides for young fire and emergency

volunteers, and research into community recovery after the Black Summer fires in eastern Victoria.

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

Lessons from Black Summer: how people experienced the 2019/20 NSW fire season (Magazine article)

Fire, Issue 3, Sept 2021

Commissioned by the NSW RFS, researchers conducted 202 interviews with people affected by the fires across NSW while a further 1,004 others completed an online survey. The research shows there are challenges around community expectations of bushfire warnings, with many people expecting to receive highly detailed and localised information in near real-time.

Read this article online [here](#) or in the latest issue of Fire Australia.

The full research findings, Black Summer – how the NSW community responded to the 2019-20 bushfire season - is found on the BHNCRRC site [here](#).

Unveiling the Factors Responsible for Australia’s Black Summer Fires of 2019/2020 (Journal article)

Fire, Vol 4, no 3. Online 4 Sept 2021

The author’s aim in this study was to examine the factors that have led some of the wildfires to burn over larger areas for a longer duration and to cause more damage to vegetation. To this end, we studied all large forest and

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EMERGENCY MANAGEMENT

When it comes to preparing for disaster there are 4 distinct types of people. Which one are you? (News article)

The Conversation, 2 Sept 2021

Research shows when it comes to getting ready for disasters, there are four types of people. And this matters, because good disaster preparedness doesn’t just help people during and immediately after a disaster – it can also mean a quicker recovery.

Read the news article [here](#). The Red Cross report, Understanding preparedness and recovery, related to this article is below.



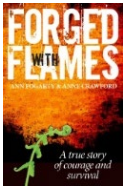
Understanding preparedness and recovery (Report)

Australian Red Cross, 2 Sept 2021

Emergency recovery goes beyond survival. It is a complex process with potentially long-lasting impacts on people’s lives. There is a limited amount of research proving this link between preparedness actions and recovery, and most preparedness actions are focused on hazard survival, and the first 72 hours after a disaster.

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

non-forest fires that burnt in Australia's Black Summer fires, focusing on the forest fires in southeast Australia. Use this [MDPI link](#) to read the article online.

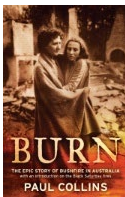


Forged with flames (eBook)

Ann Fogarty, 2013

Ann Fogarty's poignant and compelling story of her experiences of the Ash Wednesday bushfires in 1983 and its devastating aftermath as she struggled to survive the severe burns she sustained to 75% of her body, followed by a series of life-threatening events.

Contact the library to read this eBook online. A hard copy is also available to borrow from the library.



Burn : The Epic Story of Bushfire in Australia (eBook)

Paul Collins, 2010

This book tells the epic story of bushfire in Australia, drawing on accounts of the most devastating conflagrations in Australia's European history — from the 1851 Black Thursday fire (which burnt out one quarter of Victoria) to the Black Saturday fires of February 2009.

Contact the library to read this eBook online. A hard copy is also available to borrow from the library.

FIRE INCIDENTS – INTERNATIONAL

The Lasting Impact of 9/11 (Podcast: 47 mins)

NFPA, 9 Sept 2021

Of the nearly 3,000 people killed at the World Trade Center, the Pentagon, and in rural Pennsylvania, in the September 11 terrorist attacks, more than 400 were emergency responders, including 343 firefighters. This podcast considers how that day forever changed the US fire service.

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



NFPA Journal – Fall 2021 issue is out and available online. Read a selection of articles on fire protection for flying taxis and energy storage systems, fire safety in the United States since 1980, and what the Florida condo collapse means for similar buildings

across the country

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

Large California wildfires: 2020 fires in historical context (Journal article)

Fire Ecology, Vol 17 no 1, 25 August 2021

California in the year 2020 experienced a record breaking number of large fires. Recent years are placed in a historical context by examining records of large fire events



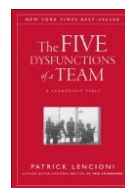
Fair cop (eBook)

Christine Nixon, 2011

Christine Nixon became the first female Chief Commissioner of Police in Australia, appointed to head Victoria Police. This book candidly shares the public and private stories of Christine Nixon—woman, spouse, citizen, constable—and in its final chapters, it takes readers inside the events of Black Saturday.

Contact the library to read this eBook online. A hard copy is also available to borrow from the library.

LEADERSHIP AND MANAGEMENT

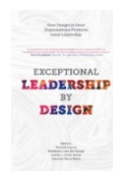


The five dysfunctions of a team : a leadership fable (eBook)

Patrick Lencioni, 2002

The author tells a story of the fascinating, complex world of teams. Kathryn Petersen, Decision Tech's CEO, faces the ultimate leadership crisis: Uniting a team in such disarray that it threatens to bring down the entire company. Will she succeed? Will she be fired? Will the company fail? Lencioni's tale is a timeless reminder that leadership requires as much courage as it does insight.

Contact the library to read this eBook online. A hard copy is also available to borrow from the library.

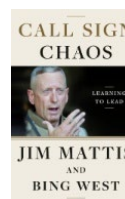


Exceptional Leadership by Design : How Design in Great Organizations Produces Great Leadership (eBook)

Rob Elkington, 2018

This book debunks the myth that leaders need to be creative like designers to apply Design Thinking. It is a collaborative effort that neatly leads stakeholders and representatives affected by the problem to design novel leadership solutions that actually work. This collection of stories, examples and narratives provides readers of all levels of experience with real and heartfelt examples.

Contact the library to read this eBook online



Call Sign Chaos : Learning to Lead (eBook)

Jim Mattis, 2019

A #1 New York Times Bestseller, this clear-eyed account of learning on how to lead in a chaotic world is by General Jim Mattis—the former US Secretary of Defense and one of the most formidable strategic thinkers of our time—and Bing West, a former US assistant secretary of defence and combat Marine.

in the state back to 1860. Since drought is commonly associated with large fire events, we investigated the relationship of large fire events to droughts over this 160-year period.

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

Past fires may hold key to reducing severity of future wildfires in western US (News article)

University of Pennsylvania, 9 Sept 2021

Previous fires may hold the key to predicting and reducing the severity of future wildfires in the western United States as fire activity continues to increase, according to researchers from Penn State and the U.S. Forest Service.

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

The related journal article "Drivers of fire severity shift as landscapes transition to an active fire regime, Klamath Mountains, USA", published in *Ecosphere* can be read online [here](#).

Outthink Wildfire (Magazine article)

International Fire Fighter, Sept 2021

Outthink Wildfire™ is a comprehensive strategy from the National Fire Protection Association that lays out five key policy changes that need to be made at the federal, state, and local levels in the US to end wildfire destruction over the next 30 years.

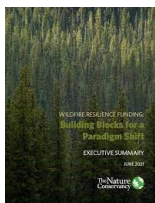
Part 1 is online [here](#) Part 2 is online [here](#)

Why The South Is Decades Ahead Of The West In Wildfire Prevention (US News Article)

NPR, 31 August 2021

As US Western states contend with increasingly catastrophic wildfires, some are looking to the Southeastern U.S., where prescribed fire is widespread due to policies put in place decades ago. From 1998 to 2018, 70% of all controlled burning in the country was in the Southeast.

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



Wildfire resilience funding: Building Blocks for a Paradigm Shift (US Report)

The Nature Conservancy, June 2021

This TNC report outlines policy actions to reduce the risks of catastrophic wildfires.

TNC recommends an investment surge of

\$US5 billion to \$US6 billion per year over the next 10 years for the highest priority work of reducing wildfire risks and providing communities with resources for infrastructure and adaptation.

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

FIRE BEHAVIOUR

Contact the library to read this eBook online. An audiobook and hard copy is also available to borrow from the library.

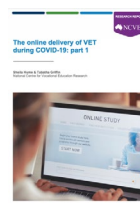
Don't Let Power Corrupt You (Magazine article)

Harvard Business Review, Sept/Oct 2021

Although power is essential to taking charge and driving change, it makes leaders vulnerable to two traps that can not only erode their own effectiveness but also undermine their team's. Hubris—excessive pride and self-confidence—causes people to greatly overestimate their own abilities, while self-focus makes them less attentive to subordinates, diminishing their ability to lead successfully.

Contact the library to request a copy of the article

TRAINING AND PROFESSIONAL DEVELOPMENT



The online delivery of VET during COVID-19: part 1 (Report)

National Centre for Vocational Education Research, August 2021

This report investigates the extent to which RTOs shifted to online training delivery during the COVID-19 pandemic. It

compares the incidence of online training delivery during 2020 with pre-pandemic figures from 2019, and includes an examination of training type and subject result during these periods.

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

It's a Beautiful Day in the Training Room (Magazine article)

TD : Talent Development, September 2021

Your stories can bring training delivery to life, and your learners' stories can be just as effective. The stories can highlight examples and drive your session forward, and the opportunity for engagement can help learners feel that they are a valuable part of the training experience.

Contact the library to request a copy of the article

HEALTH & FITNESS



Men's Health (US) – the October

issue is now available to read in our eMagazine collection. Men's Health covers various men's lifestyle topics such

as fitness, nutrition, and sexuality.

Numerical study on effect of relative humidity (and fuel moisture) on modes of grassfire propagation (Journal article)

Fire Safety Journal, Vol 125, Oct 2021

In this study, four sets of grassfire simulations have been conducted: three sets with 210 mm high grass and another set with 175 mm high grass. For all sets, the ambient temperature was kept constant while relative humidity and fuel moisture were varied, with fuel moisture deduced from the McArthur MKV GFDI model.

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

FIREFIGHTING

Create an Inspired Team in 100 Days or Less (Magazine article)

Fire Engineering, August 2021

The article suggests to create firefighters' ability to work together. It includes recommendations to create a "map" for team to guide them in the right direction; to determine goals, and to sit down with each member and conduct a Conditions, Actions, and Needs (CAN) report.

Contact the library to request a copy of the article

Fire Service Leadership: Preparing the Next Generation (Magazine article)

Fire Engineering, August 2021

The article discusses need for leadership and develop fire rescue service's future. Topics discussed include need for resources for a proper in-person leadership class or officer development program; need for promotions and advancements of seminars, conferences, and workshops; and need to take over team members' responsibilities when absent.

Contact the library to request a copy of the article

FIRE MODELLING

Effect of fuel spatial resolution on predictive wildfire models (Journal article)

International Journal of Wildland Fire, Online: 26 August 2021

Computational models of wildfires are necessary for operational prediction and risk assessment. The authors modelled a series of fires to understand and quantify the impact of the spatial resolution of fuel data on the behaviour of fire predictive model.

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

HAZARD REDUCTION

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COMMUNITY RESILIENCE AND RECOVERY

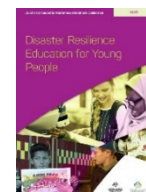


Community-led recovery - Black Summer final report (Report)

BNHCRC, September 2021

This report discusses how community-led approaches to disaster recovery are regarded as the optimal approach to sustainable disaster recovery, fostering self-reliance and self-determination within affected communities.

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



Disaster resilience education for young people handbook (Handbook)

AIDR, September 2021

The guidance in this handbook provides organisations with high-level principles and strategies to design, implement and evaluate learning programs and initiatives for young people. The focus of this handbook is pre-school and school-aged children and adolescents.

Use this [AIDR link](#) to read the handbook online and watch their Showcase Webinar.

EVACUATION



Lessons Learned from Recent Evacuations in California (Webinar)

International Association for Fire Safety Science, August 2021

Speaker: Stephen Wong (University of Alberta, Canada)

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

BUILDING

Comprehensive Examination of the Determinants of Damage to Houses in Two Wildfires in Eastern Australia in 2013 (Journal article)

Fire, Vol 4, no 3 online August 2021

Wildfires continue to destroy houses, but an understanding of the complex mix of risk factors remains elusive. These factors comprise six themes: preparedness actions (including defensible space), response actions (including defence), house construction, landscape fuels, topography and weather. The authors conducted a statistical analysis that

Large herbivore can reduce fire risks (*ScienceDaily news article*)

German Centre for Integrative Biodiversity Research, 9 September 2021

The use of large herbivores can be an effective means to prevent and mitigate wildfires, especially in places facing land abandonment. They can replace significantly costlier solutions like firefighting or mechanical vegetation removal.

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

FIRE WEATHER

Recurrent pattern of extreme fire weather in California (*Journal letter*)

Environmental Research – Letters, Sept 2021

Historical wildfire events in California have shown a tendency to occur every five to seven years with a rapidly increasing tendency in recent decades. This oscillation is evident in multiple historical climate records, some more than a century long, and appears to be continuing.

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



Fire weather: Heat, dryness, and wind are driving wildfires in the Western U.S. (*Report*) *Climate Central*, 25 August 2021

This review of historical trends in fire weather aims to investigate how climate change is affecting wildfire risk throughout the American West.

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

CULTURAL BURNING

Catastrophic Bushfires, Indigenous Fire Knowledge and Reframing Science in Southeast Australia (*Journal article*)

Fire, Vol 4, no 3, online 9 Sept 2021

The Black Summer bushfires have brought Indigenous cultural burning practices to the forefront as a potential management tool for mitigating climate-driven catastrophic bushfires in Australia. The authors highlight new research that demonstrates that Indigenous fire management in SE Australia produced radically different landscapes and fire regimes than what is presently considered “natural” and some barriers to the return of Indigenous fire management.

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

AVIATION AND UAVS

The Rainmakers (*Article*)

partitions the contribution of these six themes on wildfire impact to houses, using two fires that destroyed 200 houses in New South Wales (Australia) in October 2013 (the Linksview and Mt York fires).

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

BUSHFIRE SMOKE

Firefighter exposure to wildfire smoke compounds varies, depending on duties (*ScienceDaily news article*)

American Chemical Society, 8 September 2021

Every summer, wildfires rage across the western U.S., and wildland firefighters are tasked with putting them out. But in the process, they inhale smoke and all the compounds in it, which can be harmful at high amounts. Now, researchers have evaluated the presence of particulate matter and volatile organic compounds (VOCs) around firefighters actively combating blazes, finding the highest exposures among hotshot crews and those creating firebreaks.

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

Wildfire smoke may lead to less rain in the Western US (*News article*)

American Geophysical Union, 11 Aug 2021

Dry landscapes burn more readily, and rain can help quell fires already raging. But wildfire smoke may keep that essential rain from falling. A new study finds tiny particles in wildfire smoke affect the way droplets form in clouds, potentially resulting in less rain and exacerbating dry conditions that fuel fires.

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

The related journal article “Biomass Burning Smoke and Its Influence on Clouds Over the Western U. S.”, published in *Geophysical Research Letters* can be read online [here](#).

ECOLOGY

Some animals have excellent tricks to evade bushfire. But flames might be reaching more animals naive to the dangers (*News article*)

The Conversation, 19 August 2021

Some animals have evolved excellent tricks to detect when a bushfire is nearby. But some areas where infernos were once rare are growing increasingly bushfire-prone, thanks to climate change. The wildlife in these spots may not have the evolutionary know-how to detect a fire before it's too late.

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

Bloomberg Businessweek, 8th September 2021

The article focuses on Coulson Aviation and its fleet of helicopters and planes used to combat forest fires in the Western United States. Topics include chief executive officer (CEO) Wayne Coulson, the development of their equipment, and the increase in wildfires.

Contact the library to request a copy of the article

Modelling and Simulation Analysis of Drones Allocation for Bushfires *(Journal article)*

Journal of Physics, Vol. 1995

At the scene of fires, firefighters have used drones for surveillance. In this paper, a model is designed to determine the optimal number of drones needed for a bushfire based on the data from satellites. We divide a region (take Victoria, Australia as an example) into blocks, and analysed each block to get the average number of drones needed.

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

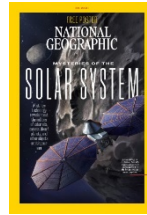
REMOTE SENSING

UAV Assisted Spatiotemporal Analysis and Management of Bushfires: A Case Study of the 2020 Victorian Bushfires *(Journal article)*

Fire, Vol 4, no 3, online July 021

The current study proposes a holistic model that uses a mixed-method approach of Geographical Information System (GIS), remote sensing, and Unmanned Aerial Vehicles (UAV)-based bushfire assessment and mitigation. The fire products of VIIRS and MODIS are used for monitoring the burnt areas within the Victorian Region due to the 2020 bushfires.

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



National Geographic (US) – the September issue is now available to read in our eMagazine collection. One of the most widely read magazines of all time, this monthly magazine features articles that generally concern science, geography, history, and world culture

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LEGAL

Bushfire survivors just won a crucial case against the NSW environmental watchdog, putting other states on notice *(News article)*

The Conversation, 27 August 2021

A NSW court compelled the state Environment Protection Authority (EPA) to take stronger action to reduce greenhouse gas emissions. It's the first time an Australian court has ordered a government organisation to take more meaningful action on climate change. The case challenging the EPA's current failures was brought by a group of bushfire-affected Australians.

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

The case can be read online using this [NSW Government Caselaw link – Bushfire Survivors for Climate Action Incorporated v Environment Protection Authority \[2021\] NSWLEC 92](#)

The role of the attorney-general in legal proceedings involving charities and charitable trusts: The NSW Rural Fire Service case *(Journal article)*

Third Sector Review, Vol 27 no 1 August 2021

The Attorney-General has jurisdiction to intervene in proceedings involving charities. Recently, this jurisdiction was invoked in Re New South Wales Rural Fire Service and Brigades Donations Fund [2020] NSWSC 604 (RFS Case), which considered how \$50 million raised by Ms Celeste Barber in response to the Australian 2019-20 bushfires could be applied. The RFS Case demonstrated that even in cases where the *parens patriae* jurisdiction is invoked, the jurisdiction is not unlimited

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

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