

Annotated Fire Management Book List

The following is a listing of fire management books that may be of interest. They can be borrowed from your local library through interlibrary loan or ordered from your local bookstore or the International Association of Wildland Fire, P.O. Box 328, Fairfield, WA. 99012 ph: (509) 283-2397

1. *Ecosystem Management for Parks and Wilderness*, edited by James K. Agee and Darryl R. Johnson. A group of 33 managers, scientists, and planners met in April 1987 to discuss and develop an improved conceptual management approach for park and wilderness ecosystems.
2. *Disasters and the Small Dwelling*, edited by Yasemin Aysan and Ian Davis. Contains the proceedings of the conference on Disasters and the Small Dwelling, held at Oxford in September 1990. Contains 26 papers; 264 pages. 1-873936-07-9
3. *Water, Earth and Fire*, by Jonathon Berger and John W. Sinton. Land use and environmental planning in the New Jersey Pine Barrens. Written for the planning community and the interested general reader. The book incorporates a new synthesis of cultural and physical components into land-use planning; 228 pages. ISBN-8018-2398-6
4. *Prescribed Burning in California Wildlands Vegetation Management*, by Harold H. Biswell. Biswell not only presents a historical and ecological perspective on his work, but also provides introduction to the principles and practices of prescribed burning, which apply far beyond California. He includes careful directions for planning, timing, and conducting burns safely, which will be useful to ranchers and other private land owners as well as wildland managers, timber growers, and wildlife and plant specialists; 255 pages. ISBN 0-520-06482-8
5. *Yellowstone's Red Summer*, by Alan and Sandy Carey. Alan and Sandy Carey gained a firsthand perspective on the Yellowstone fires as they photographed and interviewed and otherwise monitored the progress of the blazes during the summer and fall of 1998; 114 pages. ISBN 0-87358-483-8.
6. *The Fires of Autumn: The Colquet-Moose Lake Disaster of 1918 by Colquet Natives*, by Francis M. Carroll and Franklin R. Raiter. Colquet natives Francis M. Carroll and Franklin R. Raiter relate the story of fires that were the greatest calamity ever to occur in northern Minnesota. In the fires of October 1918, town was destroyed. This book draws strongly on personal accounts of the fire as well as public and private archives and manuscript collections, including little-used testimony from the numerous trials held to determine the parties responsible for the fires; 245 pages. ISBN 0-87351-257-X.
7. *Fire in Forestry*, Volume I and II; *Forest Fire Management and Organization*, by Craig Chandler, Phillip Cheney, Philip Thomas, Louis Trabaud, and Dave Williams.
 - Volume I: Contains Chemistry and Physics of ignition and combustion, forest fuels, forest fire weather, fire behavior, fire behavior prediction, ecological principles and their relationship to fire, fire effects on soil, water and air, fire effects on wildlife, fire effects on vegetation, fire as a natural process in forests, forest fire terminology and conversion factors; 450 pages. ISBN 0-471-87442-6.

- Volume II: Contains Fire management policy, economics of fire management, fire prevention, pre-suppression activities, forest fire equipment, forest fire suppression, large fire organization, fire at the urban-forest interface, managing fire use, fireline safety, forest fire terminology and conversion factors; 298 pages. ISBN 0-471-87443-7
- 8. *Playing God in Yellowstone*, by Alston Chase. Alston Chase traces how policies more political than scientific are destroying Yellowstone and why the scandal has been covered up not just for years but also for decades. He shows how America's environmental movement, captivated by faith in a well-intentioned but misguided ideal, no longer acts as guardian of our national parks; 464 pages. ISBN 0-15-672036-1.
- 9. *Wildland Firefighting*, by Bill Clayton, David Day and Jim McFadden. This book came about as a result of the California Department of Forestry and Fire Protection (CDF) need to update and collate the most recent published information available on the scope and methods of suppressing wildland fires; 136 pages.
- 10. *Fire in Nort*. By Collins and Linda L. Wallace. The chapters in this book are devoted to fire effects in grasslands. The authors, all active researchers, concentrate on the effects of fire in several spatial and temporal dimensions, including individual plants, plant and animal populations, plant and animal communities, ecosystem functions, and landscape processed; 175 pages. ISBN 0-8061-2281-1.
- 11. *Managing Disaster, Strategies and Policy Perspectives*, edited by Louise K. Comfort. Managing Disasters is international in scope, covering such natural and man-made calamities as tornadoes in western Pennsylvania, earthquakes in Peru, flooding in the Netherlands, and toxic waste disasters; 420 pages. ISBN o-8223-0816-9.
- 12. *The Book of Fire*, by William H. Cottrell, Jr. In simple words and vivid diagrams, this beautiful book elegantly explains the complex science of fire. Provides readers with an accurate impression of difficult subject matter, regardless of the reader's level of education or familiarity with the subject; 70 pages. ISBN 0-87842-255-2.
- 13. *Ecological Effects of Fire in South African Ecosystems*. Edited by Peter de V. Booysen and Neil M. Tainton. This book is designed to consolidate the knowledge accumulated to date on the effects of fire in the different biomes of the sub-continent, and to define its potential role in the management of each of these biomes; 426 pages. ISBN 0-387-13501-4.
- 14. *Disasters*, by Charles H.V. Ebert. Written for all who wish to acquire a thorough understanding of the causes, the nature, and the geographical occurrence of natural and man-induced disasters; 274 pages. ISBN 0-8403-4743-X.
- 15. *Yellowstone On Fire!* By Robert Ekey. Gazette reporter Robert Ekey provides a complete and comprehensive look at the historic fire of 1988. Gazette photographers challenged the smoke and flames to get dramatic coverage; 125 pages. ISBN 0-937959-54-5.
- 16. *Investigation of Vegetation Fires*, by Richard T. Ford, fire investigator. This reference manual and instructional text has been developed from hundreds of field studies in thousands of fire investigations; 69 pages. ISBN 0-9618368-0-6

17. *An Introduction to Wildland Fire Behavior. Management, Firefighting, and Prevention of Forest Fires* by Margaret Fuller. A non-technical book written for citizens concerned with wildland fire issues. Coverage includes: fire behavior, impact of the fire on ecosystems and wildlife, discussion on how to protect yourself from wildland fire, and how to participate in policy making concerning wildland fire control; 238 pages. ISBN 0-471-52189-2.
18. *Fire in the Tropical Biota: Ecosystem Processes and Global Challenges*, edited by J.G. Goldammer. This monograph covers the impact and role of fire in tropical ecosystems. It also studies the impact of tropical wildland fires and biomass burning on global ecosystem processes.
19. *Fire in Ecosystem Dynamics*, edited by J.G. Goldammer and M.J. Jenkins. The contributions of the first part of the Third International Symposium on Fire Ecology are presented in this volume and focus on Mediterranean vegetation, but are, supported by research expertise from other vegetation zones in our attempts to portray the global nature of changing wildfire regimes and wildfire impacts; 199 pages. ISBN 90-5103-045-2.
20. *Tropical Forests in Transition*, edited by J.G. Goldammer. This book synthesizes information on changing environmental conditions and human impacts on changing environmental conditions and human impacts on the tropical forest by looking back to the paleoecology, analyzing the impact of modern human populations and modeling the future of the tropical forest in a changing environment. The aim of the book is to strengthen multidisciplinary thinking in disturbance ecology; 280 pages. ISBN 0-8176-2601-8
21. *Design For Change*, edited by Ray Green, Jan Schapper, Ian Bishop and Michael Martin McCarthy. This 232-page book, filled with photographs, charts and maps is a very thorough analysis by the University of Melbourne School of Environment Planning of the Australian Macedon Range, its landscape, the 1983 fire impacts, and future planning and design to avoid a similar disaster in the future. ISBN 0-86904-304-8.
22. *Cost Effective Fire Management: A Pilot Study*, by J. Greenlee and C. Wilson. Describes the development of a proposed fire management process that conforms to the fire management policy revision of 1978, and a pilot study of the proposed process on the Kern Plateau unit of Sequoia National Forest; 276 pages.
23. *A Pictorial History of the U.S. Forest Service 1891-1945, Northern Region*, by A. Richard Guth and Stan B. Cohen. A pictorial history of the National Forests in the Northern Region and the employees who worked in them. It includes the period from their beginning in 1991 when the first National Forest Reserves were created, through 1945, the end of WW II; 230 pages. ISBN 0-929521-36-6.
24. *The Book of Fire*, by W.H. Cottrell, Jr. In simple words and vivid diagrams, this beautiful book elegantly explains the complex science of fire; 70 pages. ISBN 0-87842-2555-2.
25. *Red Skies of '88*, by A. Richard Guth and Stan B. Cohen. This recalls the fires in the Northern Great Plains, Northern Rocky Mountains and Greater Yellowstone Area in the summer of 1998 with vivid photographs.

26. *The Burning Decision: Regional Perspectives on Slash*, edited by Donald P. Hanley, Jerry J. Kammenga, and Chadwick D. Oliver. A symposium constraint. Public perceptions about slash burning and air resource management issues are addressed; 374 pages.
27. *Against the Fires of Hell*, by T.M. Hawley. After a dramatic account of the greatest fire-fighting effort in history – the capping of the burning oil wells in Kuwait – T.M. Hawley goes on to show what an infinitesimal part of the gigantic ecological problem left by that capping was; 250 pages. ISBN 0-15-103969-0.
28. *Fire and Ecosystems*, edited by T.T. Kozlowski and C.E. Ahlgren. This book is probably the most used and referenced book on fire ecology. Includes sections on soil, wildlife and a number of ecosystems; 542 pages. ISBN 0-12-424255-3.
29. *Fire Lookouts of Oregon and Washington*, by Ray Kredek. A unique life is recalled by those who enjoyed the most splendid views in the world from stations atop America's tall volcanoes and backcountry peaks. Among the hundreds of stories are those relating to long months of solitude; wildlife encounters; historic forest fires, and the terror of being struck by lightning atop the tall shaky towers; 215 pages. ISBN 87770-317-5.
30. *Wall of Flames, The Minnesota Forest Fire of 1894*, by Lawrence H. Larsen. This book tells the story of the Minnesota Forest Fire in human terms. The book shows the impact of the catastrophic on victims, survivors, rescuers, and policy makers. The fire led to the passage of Minnesota's first conservation legislation; 187 pages. ISBN 0-911042-29-6.
31. *Global Biomass Burning: Atmospheric, Climatic, and Biospheric Implications*, edited by Joel S. Levine. This comprehensive volume is the first to consider biomass burning as a global phenomenon and to assess its impact to the atmosphere, on climate, and on the biosphere. The 63 chapters by 158 scientists – including leading biomass burn researchers from Brazil, Nigeria, Zaire, India, and China, where biomass burning is prevalent – point to biomass burning significant. ISBN 0-262-12159-X.
32. *Aerial Suppression of Bushfires*. This book is about the use of air tankers for fighting bushfires in Australia. A report on the CSIRO study on the scientific and economic use of aerial suppression of brushfires; 360 pages. ISBN 0-643-04023-4.
33. *The Tillamook Burn Country*, by Ellis Lucia. Lucia captures one of the greatest forest fires of all time, fifty years after the burn, with this unusual pictorial history of the Tillamook Burn Country; 370 pages. ISBN 0-87004-296-3.
34. *Bushfires in Australia*, by R.H. Luke and A.G. McArthur. Discusses the principles of fire behavior, fire suppression and protection, and is particularly useful for volunteer bushfires fighters and any person who resides in an area likely to be affected by bushfires; 372 pages. ISBN 0-642-02341-7.
35. *Young Men and Fire*, by Norman Maclean. The mystery of the Mann Gulch tragedy is unraveled. Fifteen Smokejumper's went in – only three came out. Nature's violence and human fallibility collide with fateful consequences in this book. From the words of witnesses, the evidence of history, and the research of fire scientists, Maclean at long last assembles the missing pieces of the episode; 328 pages. ISBN 0-226-50061-6.

36. *A River Runs Through It*, by Norman Maclean. Based on Norman Maclean's childhood experiences, this novel has established itself as one of the most moving stories of our time; it captivates readers with vivid descriptions of life long Montana's Big Blackfoot River and its near magical blend of fly fishing with the troubling affections of the heart. Maclean observes the forces of nature including Wildland Fire; 161 pages. ISBN 0-226-50060-8.
37. *The George Fahnestock Memorial Fire Symposium. Special Issue of Northwest Science*. Volume 65, Number 4 includes eight articles by leaders in fire science on fire hazard, fire damage, fuel consumption, smoldering, sagebrush ecosystems, and germination and fire history.
38. *Hazard Management and Emergency Planning, Perspectives on Britain*, edited by Dennis Parle about hazard and disaster management, particularly about emergency planning and management in Britain, and to form a significant contribution to the debate about the future of hazard management and emergency planning; 286 pages. ISBN 1-873936-06-0.
39. *Natural Hazard Risk Assessment and Public Policy*, by William J. Petak and Arthur A. Atkisson. This book addresses the actions public policy makers can take to lessen the adverse effects of natural hazards on people and property. This groundbreaking volume presents information that was previously not available in any single source; 489 pages. ISBN 0-387-90645-2.
40. *Slash and Burn Farming in the Third World Forest*, by William J. Peters and Leon F. Neuenschwander. This thoughtful and penetrating study of the use of fire in forest agriculture in the tropics demands that politicians and economists not disregard the ecological soundness of traditional methods of cultivation or the cultures of their practitioners.
41. *The Ecology of Natural Disturbance and Patch Dynamics*, by S.T.A. Pickett and P.S. White. A book comprised of papers by leaders in the field. Includes sections introducing patch dynamics, discussing adaptations of plant and animals and discussing the implications of patch dynamics; 472 pages. ISBN 0-120554520-7.
42. *Burning Bush, A Fire History of Australia*, by Stephen J. Pyne. From the time of the continent's formation tens of millions of years ago as the Gondwana twin of Antarctica, Australia has been dominated by fire much as its sister has been by ice. Now states a major reinterpretation of the Australian experience by using fire and Australia to explain one another; 520 pages. ISBN 0-8050-1472-1.
43. *Introduction to Wildland Fire, Fire Management in the United States*, by Stephen J. Pyne. A comprehensive survey of contemporary thinking on wildland fire and its management in the U.S. This up-to-date work puts all the major dimensions of fire management into perspective, examining fire as a physical chemistry; 455 pages. ISBN 0-471-09658-X
44. *Fire in America*, by Stephen J. Pyne. A wonderfully written history on fire. The book is designed for three audiences; fire managers, historians, and an interested public; 433 pages. ISBN 0-691-08300-2.
45. *Community Recovery from a Major Natural Disaster*, by Claire B. Rubin, et al. Discusses how to minimize the human hardships caused by natural disaster; 285 pages. Library of Congress number 85-08074.

46. *Perspectives on Increasing Hazard Awareness*, edited by Thomas F. Saarinen. This monograph began with the preparation for the National Hazard Awareness Workshop held in Corpus Christy, Texas, March 22-23, 1979. The aim of the workshop is to provide a setting for exchange of information among those involved in communicating hazard awareness to the public; 138 pages. Library of Congress number 82-81443.
47. *From the Ashes, the story of the Hinckley Fire of 1894*, by Grace Stageberg Swenson. This book tells the story of a devastating forest fire that swept through the small lumber town of Hinckley, Minnesota in 1894. It is a chronicle of a resolute people who suffered and endured the holocaust and returned to build a new community on the ashes of the old; 246 pages. ISBN 0-87839-07-2.
48. *Microclimate Vegetation and Fauna*, by P.H. Stoutjesdijk and J.J. Barkman. An extended and updated version of a Dutch text. The book aims to consider microclimate from an ecological point of view. The great physical diversity of natural and semi-natural habitats is stressed; 216 pages. ISBN 971622-2-1.
49. *Proceedings of the 17th Tall Timbers Fire Ecology Conference*. This meeting included 30 presentations, two panel discussions and numerous poster presentations which explored a wide range of subjects related to "High-Intensity Fire In Wildlands: Management Challenges and Options". The proceedings represent a broad examination not only of important research topics but also difficult social issues associated with high intensity fires. This volume will be of great interest to scientists, land managers, administrators and policy advisors; 435 pages.
50. *Wood Combustion, Principles, Processes, and Economics*, by David A. Tillman, Amadeo J. Rossi and William D. Kitto. This book examines questions of present combustion, wood fuel supply, wood combustion, and the uses of wood combustion. It utilizes specific tools from such diverse disciplines as microeconomics, organic chemistry, thermodynamics, and financial theory; 208 pages. ISBN 0-12-691240-8.
51. *The Role of Fire in Ecological Systems*, edited by L.Trabaud, Fire. Whether naturally occurring, accidentally started or deliberately set for some purpose, has been an important ecological force shaping landscapes and ecosystems around the world. The need for developing a full understanding of the dynamics of ecosystems after fire is urgent, so that management policies can be developed and assessed on a national basis; 157 pages. ISBN 90-5103-007-X.
52. *Lightning*, by Martin A. Uman. Awesome and wonderful to the layman, lightning has also been a subject of intense interest to scientists curious about the exact physical nature of the discharge. Although there has been a great deal of research on the subject since the publication of this book in 1969, a more up-to-date monograph has not been published. Simply indispensable to the serious student of lightning; 320 pages. ISBN 0-486-64575-4.
53. *The Colorado Front Range: A Century of Ecological Change*, by Thomas T. Veblin and Diane C. Lorenz. Should fire be suppressed in our national parks and forests or should it be allowed to burn? Should livestock be permitted in wildlands managed by federal or state governments? How does logging affect vegetational patterns in public lands? What about natural disturbances, such as lethal insect breakouts? Concerned citizens in the public at large are increasingly asking such questions, long the province of resource management professionals. The answers, in the absence of long-term experiments requiring decades of monitoring, must come from historical studies such as this one; 186 pages. ISBN 0-87480-351-9.

54. *Fire in South Florida Ecosystems*, by Dale Wade, John Ewel, and Ronald Hofsetter. This compendium of fire information for selected south Florida vegetative communities will help resource managers and policy makers to better predict the consequences of their fire management decisions; 125 pages.
55. *Develop Strategies in the Wildland/Urban Interface*, Western Fire Chiefs Association, Inc. Press. This book is a new publication by the Western Fire Chiefs Association, assembled to provide a decision making guide for the wildland/urban interface fire problem; 173 pages. ISBN 1056-702X.
56. *Critical Incident Stress in Wildland Firefighting*, by Gina Wilson, Millar. First in a series of 2 books on the subject. Critical incident stress in the emergency service professions is a relatively new field of study. In general there is agreement that emergency service providers experience stress and that their experience varies from that of the victims they assist. This report reviews the experiences of some experts in the field and the literature on the subject; 59 pages. ISBN 0-9626305-1-9.
57. *Power, Choice and Vulnerability, A Case Study in Disaster Mismanagement in South India*, by Peter Winchester. The aim of this book is to explain how a view of vulnerability that is different from the one currently being used can improve some aspects of disaster management and can go some way to making disaster mitigation and post disaster development more effective; 225 pages. ISBN 1-873936-05-2.
58. *Fire Ecology, United States and Southern Canada*, by Henry A. Wright and Qrthur W. Bailey. "...a valuable guide to using fire over an extremely complex geographic area and for a wide variety of plant communities. It should prove valuable to fire researchers, wildland planners, and land and resource managers." – from the Forward by James E. Lotan; 501 pages. ISBN 0-471-09033-6.
59. *Yellowstone and the Fires of Change*, by George Wuerthner. Seasoned fire ecologist George Wuerthner takes on the challenge of interpreting the significance of the fires that rages through the Yellowstone National Park area in 1988, bringing insight and understanding to the political firestorm left in the aftermath of the unprecedented forest fires in the country's finest national park; 64 pages. ISBN 0-942688-70-8.
60. *World Fire*, by Stephen Pyne. Fire historian Stephen Pyne evaluates wildland fire across the world and assesses fire regime change caused by human land use and fire management policies; 379 pages. ISBN 0-8050-3247-9.
61. *Fire Ecology and Pacific Northwest Forests*, by James Agee. Comprehensive books covering wildland fire in the Pacific Northwest wildlands for all interested in wildland management and wish to understand the ecological effects of fire. Although the chapters on the ecology of specific forest zones focus on the Pacific Northwest, much of the book addresses issues not unique to the region; 493 pages. ISBN 1-55963-229-1.

