

# Quakes and Fires

## *An annotated list of books about SoCal's natural disasters*

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Leatherby Libraries

### ***Aftershocks: earthquakes and popular politics in Latin America***

Jürgen Buchenau and Lyman L. Johnson, 2009

3<sup>rd</sup> floor Science and Technology Library

Call number: QE535.2.L29 A34 2009

Earthquakes have helped shape the history of many Latin American nations. The effects of floods, droughts, hurricanes, and earthquakes and tsunamis have destroyed peoples' lives and their built environments, and changed landforms, such as mountains, rivers, forests, and canyons.

### ***Early earthquakes of the Americas***

Robert L. Kovach, 2004

3<sup>rd</sup> floor Science and Technology Library

Call number: QE535 .K69 2004

There is emerging interest among researchers from various subject areas in understanding the interplay of earthquake and volcanic occurrences, archaeology and history through the discipline of archaeoseismology. This book focuses on the historical earthquakes of North and South America, and describes the effects of those earthquakes, using illustrated examples of recent structural damage at archaeological sites.

### ***The earth in turmoil: earthquakes, volcanoes, and their impact on humankind***

Kerry Sieh, Simon LeVay, 1998

3<sup>rd</sup> floor Science and Technology Library

Call number: QE535.2.U6 S585 1998

*The Earth in Turmoil* is the account of what we now know about volcanoes and earthquakes. Exploring natural hazards in the U.S. region by region, it combines lively accounts of past disasters with expert predictions for the future, including a final chapter on how people can mitigate the damaging effects of earthquakes and volcanoes through individual and collective action. A blend of human interest and authoritative science, *The Earth in Turmoil* is a view into the most powerful forces nature can unleash.

### ***Earthquakes [videorecording]***

Produced by Greystone Communications for the History Channel; written and directed by Amy Huggins, 2003

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Call number: QE534.2 .E28 2003

Video recording on the science of Earthquakes.

### ***Earthquakes***

Bruce A. Bolt, 1993

3<sup>rd</sup> floor Science and Technology Library

Call number: QE534.2 .B64 1993

Earthquakes explains what is now known about the causes, occurrence, and physical properties of seismic activity. With a wealth of new information and evocative new illustrations, this new edition takes its place as the most up-to-date and accessible introduction to earthquake science available.

***Earthquakes and animals: from folk legends to science***

Motoji Ikeya, 2004

3<sup>rd</sup> floor Science and Technology Library

Call number: QE538.8 .I44 2004

Those who survive major earthquakes often report the occurrence of mysterious phenomena beforehand. Unusual animal and plant behavior, lightning, strange clouds and malfunctioning electrical appliances. In fact these stories are legendary the world over. But are they merely legends? Are the many people who report them just superstitious or suffering from overactive imaginations? Earthquakes and Animals brings objective science to bear on these old legends.

***Earthshaking science: what we know (and don't know) about earthquakes***

Susan Elizabeth Hough, 2002

3<sup>rd</sup> floor Science and Technology Library

Call number: QE534.3 .H68 2002

Three-dimensional cutaway illustrations and floor plans of key landmarks complement these richly illustrated, fully updated travel handbooks that also include street-by-street guides, background information on a host of popular sights, and a traveler's survival guide providing tips on hotels, restaurants, local customs, transportation, medical services, museums, entertainment, and more. Recognized the world over by frequent flyers and armchair travelers alike, Eyewitness Travel Guides are the most colorful and comprehensive guides on the market. With beautifully commissioned photographs and spectacular 3D aerial views revealing the charm of each destination, these amazing travel guides show what others only tell.

***EMSEV: electromagnetic studies of earthquakes and volcanoes***

2010

3<sup>rd</sup> floor Science and Technology Library

Call number: QE539.2.R45 E67 2010 c.2

***Fire in America: a cultural history of wildland and rural fire***

Stephen J. Pyne, 1982

3<sup>rd</sup> floor Science and Technology Library

Call number: SD421.3 .P96 1982

Examines the cultural history of wildland forest fires in the United States from prehistoric to contemporary times. Pyne illustrates the pattern of man's changing attitudes toward fire, with a series of regional fire histories including a section entitled: Fire and frost: a fire history of Alaska.

***Fire phenomena and the Earth system: an interdisciplinary guide to fire science***

Claire M. Belcher, 2013

3<sup>rd</sup> floor Science and Technology Library

Call number: SD421 .F5165 2013

Fire plays a key role in Earth system processes. Wildfires influence the carbon cycle and the nutrient balance of our planet, and may even play a role in regulating the oxygen content of our atmosphere. The evolutionary history of plants has been intimately tied to fire and this in part explains the distribution of our ecosystems and their ability to withstand the effects of natural fires today.

***Firestorm. Air operations [videorecording]***

Bonholtzer Productions, 1998

3<sup>rd</sup> floor Science and Technology Library

Call number: SD421.43 .F5 1998

A video recording about how firefighters fight deadly blazes with helicopters and planes.

***Introduction to fire in California***

David Carle, 2008

3<sup>rd</sup> floor Science and Technology Library

Call number: SD421.32.C2 C38 2008 c.2

This thoroughly engaging, concise book tells the story of California's most precious resource, tracing the journey of water in the state from the atmosphere to the snowpack to our faucets and foods. Along the way, we learn much about California itself as the book describes its rivers, lakes, wetlands, dams, and aqueducts and discusses the role of water in agriculture, the environment, and politics. Essential reading in a state facing the future with an overextended water supply, this fascinating book shows that, for all Californians, every drop counts.

***Ionospheric precursors of earthquakes***

Sergey Pulinet, Kirill Boyarchuk, 2004

3<sup>rd</sup> floor Science and Technology Library

Call number: QE538.8 .P85 2004

Spe-lation and misunderstanding on the interdisciplinary borders made this field for many years (even up to now) taboo for so-called "serious scientists". But due to the courageous efforts of several groups in Russia and the former USSR states such as Kazakhstan and Uzbekistan, Japan, later France and Taiwan, Greece and Italy the situation started to improve.

***Living on an active earth: perspectives on earthquake science***

Committee on the Science of Earthquakes, Board on Earth Sciences and Resources, 2004

3<sup>rd</sup> floor Science and Technology Library

Call number: QE539 .L58 2003

This book describes the growth and origins of earthquake science and identifies research and data collection efforts that will strengthen the scientific and social contributions of this exciting new discipline.

***Living with earthquakes in California: a survivor's guide***

Robert S. Yeats, 2001

3<sup>rd</sup> floor Science and Technology Library

Call number: QE535.2.U6 Y42 2001

Over the past century California has moved from denying the hazards posed by earthquakes -- they were bad for business -- to adopting building codes and protective legislation that are today the most advanced in the world. In *Living with Earthquakes*, Robert Yeats, a leading expert on earthquake geology, describes California's revolutionary efforts to grapple with the earthquake threat. His book is a general reader's guide to California earthquakes, combining current research with practical safety information.

***The mechanics of earthquakes and faulting***

Christopher H. Scholz, 2002

3<sup>rd</sup> floor Science and Technology Library

Call number: QE534.3 .S37 2002

Our understanding of earthquakes and faulting processes has developed significantly since publication of the successful first edition of this book in 1990. This revised edition has therefore been thoroughly updated whilst maintaining and developing the major themes of the first edition. Graduate students and research scientists in the fields of seismology, physics, geology, geodesy and rock mechanics will benefit greatly from this book, which provides a unifying framework within which a wide range of faulting phenomena can be interpreted.

***Plate tectonics [videorecording]: the puzzle of the continents***

Produced by Scott Resources, 2004

3<sup>rd</sup> floor Science and Technology Library

Call number: QE511.4 .P5695 2004

Bring the theory of plate tectonics to life with fascinating footage of Alfred Wegener's pioneering expeditions, molten lava spewing from the seafloor, and the 1989 San Francisco earthquake. The DVD consists of two video programs and an archive of approximately 400 photographs and diagrams on the major aspects of global tectonics. Explore the modern theory of an active restless earth and its interior structure or view the eruption scenes of the Hawaiian volcanoes with their massive flows of dark lava! Students learn about sea floor spreading and convergent, divergent and transforming plate boundaries. Includes teacher's guide with objectives and ideas for classroom activities and discussion. Duration: 18 minutes.

***Seismic ground motion in large urban areas***

Edited by Giuliano F. Panza, Ivanka Paskaleva, Concettina Nunziata, 2004

3<sup>rd</sup> floor Science and Technology Library

Call number: QE539.2.S34 S364 2004

The accelerated, and often uncontrolled, growth of the cities has contributed to the ecological transformation of their immediate surroundings. Factors contributing to the urban vulnerability include: lowering or rising of the water table, subsidence, loss of bearing capacity of soil foundations and instability of slopes. Recent catastrophic earthquakes highlight the poor understanding by decision makers of seismic related risk, as well as the tendency of some builders to use the cheapest designs and construction materials to increase short-term economic returns on their investment.

***Tectonics***

Hans E. Thalmann, 1962

3<sup>rd</sup> floor Science and Technology Library

Call number: DB2614 .P74 2006

***Wildfire: a century of failed forest policy***

George Wuerthner, 2006

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Call number: SD421.3 .W53 2006

A book filled with details of wildfires throughout our country and how failed forest policies have allowed them to occur time and time again.