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Autore	Johnson R. Wally
Titolo	Fire mountains of the islands : a history of volcanic eruptions and disaster management in Papua New Guinea and the Solomon Islands / / R. Wally Johnson
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ISBN	1-922144-23-1
Descrizione fisica	1 online resource (416 p.)
Disciplina	363.3495095
Soggetti	Volcanic eruptions - Soloman Islands Volcanic eruptions - Papua New Guinea Emergency management - Soloman Islands Emergency management - Papua New Guinea
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminary pages; Foreword; Acknowledgements and Sources; Volcano Names and Totals; 1. Burning Islands and Dampier's Voyage: 1700; Track of the Roebuck; Near Oceania, Melanesia and Melanesians; Early Ideas about Volcanic Activity; Preview; 2. Volcano Sightings by European Navigators: 1528-1870; Saavedra, Retes and Mendana; Schouten, Le Maire and Tasman; Carteret, Hunter, D'Entrecasteaux and ParkerWilson; European and Melanesian Viewpoints; 3. European Intruders and the 1878 Rabaul Eruption: 1870-1883; Blanche Bay and the Tolai; Miklouho-Maclay; Traders, Missionaries and a GentlemanExplorer 1878 Eruption at RabaulPowell's Voyage and a Possible Eruption 'Pulse'; Volcanological Events Elsewhere; 4. Volcanic Events of the German Era: 1884-1914; Colonial Partitioning; Ritter Island Disaster; Hahl and Sapper; Time Cluster of Eruptions; 5. Australian Colonists and the Volcanoes of Mainland New Guinea:1849-1938; First Impressions; British New Guinea and Victory Volcano; Evan R. Stanley in Papua; Australians in the Territory of New Guinea after 1920; Australians in the

Territory of Papua before 1938; 6. Calderas, Ignimbrites and the1937 Eruption at Rabaul: 1914-1940
Garrison Life and VolcanoesAustralian Expedition along the Bismarck Volcanic Arc; Calderas and Ignimbrites; Eruption at Rabaul in 1937; Subsequent Investigations at Rabaul; 7. Eruptions during the Pacific Warand Postwar Recovery: 1941-1950; Fisher and Renewed Activity from Tavurvur; Kizawa and the Sulphur Creek Observatory; Eruptions at Goropu Volcano, Papua; Hiroshima, Surges and Postwar Recovery; Changing the Volcanological Leadership; 8. Disaster at Lamington: 1951-1952; Higaturu and the Orokaiva; Build-up to Catastrophe; Relief and Recovery; Seeking Explanation and Meaning; Aftermath
9. Tony Taylor and an Eruption Time Cluster: 1951-1966Eruptions of 1951-1957; Experiments in Prediction; Long Island Evacuation of 1953-1954; Bam Tragedy of 1954-1955; Evacuation of Manam and the 1956-1966 Eruptions; Tuluman 1953-1957 and the Obsidian Minersof Lou; 10. Plate Tectonics and False Alarms:1960-1972; Advances in Science and Technology; Gas Emissions from Two Highlands Volcanoes; Volcanic-Disaster Preparations at WauTownship in 1967; Evacuation from Dawson Strait in 1969; Origin of the Dawson Strait Earthquakes and a Note on Volcanic False Alarms
Tectonic Earthquakes and the End of theTaylor Era11. Cooke-Ravian and a Volcanic Resurgence: 1971-1979; New Eruption Time Cluster; Ulawun and the Threat of Cone Collapse; Long Island Disaster and Tibito Tephra; Yomba and Cook: Two 'Mystery' Volcanoes; Fatal Eruption on Karkar in 1979; 12. Eruption Alert at Rabaul Caldera:1971-1994; Crisis Build-up and Stage-2 Alert; Scientific Responses to the Caldera Unrest; Worldwide Volcanic Crises and Developments in Risk Awareness; Costs, Benefits and Crisis Decline: 1985-1994; Volcanic Alert on Simbo Island; 13. Eruptions at Rabaul: 1994-1999
First Three Weeks

Sommario/riassunto

Volcanic eruptions have killed thousands of people and damaged homes, villages, infrastructure, subsistence gardens, and hunting and fishing grounds in Papua New Guinea and the Solomon Islands. The central business district of a town was destroyed by a volcanic eruption in the case of Rabaul in 1994. Volcanic disasters litter not only the recent written history of both countries—particularly Papua New Guinea—but are recorded in traditional stories as well. Furthermore, evidence for disastrous volcanic eruptions many times greater than any witnessed in historical times is to be found in the geological record. Volcanic risk is greater today than at any time previously because of larger, mainly sedentary populations on or near volcanoes in both countries. An attempt is made in this book to review what is known about past volcanic eruptions and disasters with a view to determining how best volcanic risk can be reduced today in this tectonically complex and volcanically threatening region

2. Record Nr. UNINA9910299671703321

Autore	Yoshida Sanichiro
Titolo	Deformation and Fracture of Solid-State Materials : Field Theoretical Approach and Engineering Applications / / by Sanichiro Yoshida
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ISBN	1-4939-2098-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (250 p.)
Disciplina	620 620.1 620.11
Soggetti	Mechanics Mechanics, Applied Materials science Solid Mechanics Theoretical and Applied Mechanics Characterization and Evaluation of Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction.- Quick Review of Theories of Elastic Deformation.-Quick Review of Field Theories.- Field Theory of Deformation and Fracture -- Interpretations of Deformation and Fracture Phenomena from Field Theoretical Viewpoint.- Optical Interferometry and Application to Material Characterization -- Experimental Observations -- Applications.
Sommario/riassunto	This book introduces a comprehensive theory of deformation and fracture to engineers and applied scientists. The author explains the gist of local symmetry (gauge invariance) intuitively so that engineers and applied physicists can digest it easily, rather than describing physical or mathematical details of the principle. Applications of the theory to practical engineering are also described, such as nondestructive testing, in particular, with the use of an optical interferometric technique called ESPI (Electronic Speckle-Pattern Interferometry). The book provides information on how to apply

physical concepts to engineering applications. This book also: · Describes a highly original way to reveal loading hysteresis of a given specimen · Presents a fundamentally new approach to deformation and fracture, which offers potential for new applications · Introduces the unique application of Electric Speckle-Pattern Interferometry—reading fringe patterns to connect them to the current deformation status · Details engineering applications of gauge theory · Visualizes otherwise abstract concepts of local symmetry and gauge field.

3. Record Nr. UNICAMPANIAVAN00283127

Autore	Obertelli, Alexandre
Titolo	Modern Nuclear Physics : From Fundamentals to Frontiers / Alexandre Obertelli, Hiroyuki Sagawa
Pubbl/distr/stampa	Singapore, : Springer, 2021
Descrizione fisica	xv, 727 p. : ill. ; 24 cm
Altri autori (Persone)	Sagawa, Hiroyuki
Soggetti	00A79 (77-XX) - Physics [MSC 2020] 81Txx - Quantum field theory; related classical field theories [MSC 2020] 81V35 - Nuclear physics [MSC 2020] 85-XX - Astronomy and Astrophysics [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia