

[Book] The Jepson Manual Vascular Plants Of California 2nd Second Revis Edition Published By University Of California Press 2012

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The Jepson Manual-Bruce G. Baldwin 2012-01-31 First ed. published as: The Jepson manual: higher plants of California, c1993.

The Jepson Desert Manual-Bruce G. Baldwin 2002-03-28 "This impressive, streamlined new field guide to plants of California deserts is based on The Jepson Manual and is truly a handbook to be carried in the field. It offers new introductory discussions, many new illustrations, revised user-friendly keys, updated distribution information, flowering times. . . and handsome color photos of many species. This marvelous book demonstrates that our deserts are not barren wastes but treasure houses filled with an abundance of floristic riches."—Robert Ornduff, author of Introduction to California Plant Life "This is a marvelously useful guide to the plants of California’s deserts, clearly-written and well-organized. An invaluable companion to those who delight in the unusual and beautiful plants of these scenic areas."—Peter H. Raven, Director, Missouri Botanical Garden "This much-needed volume incorporates new information about the status and range of many California desert plants. This book will facilitate access to information about our deserts, and will lead to increased respect and attention to them. We warmly welcome it."—Jake Sigg, President, California Native Plant Society

The Digital Jepson Manual-Bruce G. Baldwin 2012-02-07 The second edition of The Jepson Manual thoroughly updates this acclaimed work, the single most comprehensive resource on California's amazingly diverse flora. This work integrates the latest science, the results of intensive fieldwork, institutional collaboration, and the efforts of hundreds of contributing authors into an essential reference on California's native and naturalized vascular plants. For the first time, the University of California Press is offering this resource as an e-book. The Digital Jepson Manual provides an unparalleled new level of interactivity, portability, and convenience. Extensive linking and e-book-friendly illustrations make it easier for users to learn about plant characteristics and identify the native and naturalized plants of California—all in a format ideally suited for use in the field. Using readily available e-book readers, field researchers, students, and enthusiasts can click on links to rapidly navigate through keys to families, genera, species, and subspecies or varieties. Specific features of The Digital Jepson Manual include the following: —Keys link forward and backward to other taxonomic levels. —Plate references in taxonomic treatments link to plates for rapid reference. —Plate captions link to taxonomic treatments. —Individual taxon figures appear next to species descriptions, and full plates are gathered in a special section. —Glossary terms link to any relevant illustrations. —List of families links each family to its taxonomic treatment. —Index is fully linked to taxonomic treatments.

The Jepson Manual-Bruce G. Baldwin 2012-01-31 The second edition of The Jepson Manual thoroughly updates this acclaimed work, the single most comprehensive resource on California's amazingly diverse flora. The Jepson Manual, second edition, integrates the latest science with the results of intensive fieldwork, institutional collaboration, and efforts of hundreds of contributing authors into an essential reference on California's native and naturalized vascular plants. The second edition includes treatments of many newly described or discovered taxa and recently introduced plants, and reflects major improvements to plant taxonomy from phylogenetic studies. Nearly two-thirds of the 7,600 species, subspecies, and varieties the volume describes are now illustrated with diagnostic drawings. Geographic distributions, elevation ranges, flowering times, nomenclature, and the status of non-natives and native taxa of special concern have all been updated throughout. This edition also allows for identification of 240 alien taxa that are not fully naturalized but sometimes encountered. A new chapter on geologic, climatic, and vegetation history of California is also featured.

The Digital Jepson Manual-Bruce G. Baldwin

The Jepson Manual-Willis Linn Jepson 1993 "More inforiation is packed into one volume that will be useful to a wider audience than any other manual of this kind yet published in the history of botany."--David L. Magney, The California Native Plant Society "A single work . . . simultaneously accessible to dedicated beginners and indispensable to professional botanists. . . . For the first time in one volume a user-friendly flora of the exceedingly diverse higher plants of California."--Mildred E. Mathias, editor of Flowering Plants in the Landscape "Allows amateurs and professionals alike to easily and accurately identify plant species. . . . A product that will contribute in a major way to the preservation of California's unique floral resource. Our gratitude and congratulations for a job well done."--Phyllis Faber, Editor, Fremontia "Sets new standards for excellence . . . and picks up beautifully on the contemporary idea that botanical work should be fully accessible to the general public as well as to scientists."--Peter H. Raven, Missouri Botanical Garden "Precise and accurate, a masterpiece of clarity and succinctness."--G. Ledyard Stebbins, University of California, Davis

A Manual of the Flowering Plants of California-Willis Linn Jepson 1975-01-01

A Flora of California-Willis Linn Jepson 1914

A California Flora-Philip Alexander Munz 1970

Flora of the Santa Cruz Mountains of California-John H. Thomas 1991-05-01 The Santa Cruz Mountains, an area covering almost 1,400 square miles from San Francisco southward to the Monterey County line, are a part of the Coast Range of Central California. The Mountains and the adjacent lowlands have a rich vascular flora, and about 1,800 species, subspecies, varieties, forms, and hybrids of ferns, conifers, and flowering plants, distributed among 168 families, have been reported from the region. This comprehensive flora, the first of the area, is designed for use by both the serious beginner and the trained botanist. The flora is illustrated by 250 line drawing and ten photographs. In addition, there is a map of the Santa Cruz Mountains area and a stratigraphic profile of the rock formations. The stratigraphic profile and a section on geology have been contributed by Dr. Earl E. Brabb of the United States Geological Survey. Distributional notes, keys to families, genera, and species, pertinent synonymy, a glossary of technical terms, an index of place names, and common0name and scientific-name indexes form the body of the text. The Introduction contains a description of the geography of the Santa Cruz Mountains and adjacent lowlands, seconds on the geology and climate, a brief discussion and analysis of the vegetation and floristic affinities of the area, and a history of past botanical collecting. A selected list of references has been appended to allow the interested individual to pursue his studies further.

New England Wild Flower Society's Flora Novae Angliae-Arthur Haines 2011-11-08 An indispensable, fully updated guide for everyone interested in identifying, studying, or conserving the flora of New England This comprehensive manual offers accurate, up-to-date, and clear information for identifying New England's remarkable array of tracheophytes (vascular plants, excluding mosses). With fully researched entries on some 3,500 native and nonnative species, the book is the first in decades to provide a complete and correct botanical reference for the region's noncultivated plants. The volume includes many new species not documented in New England before, while also excluding many species that have erroneously appeared in earlier manuals. Focusing on the taxonomy and distribution of New England plants, the manual is largely dedicated to identification keys and to species entries that provide scientific name, origin, regional conservation ranking, common name, synonyms, distribution, ecology, and other miscellaneous items of interest. Nearly one-third of the entries are accompanied by helpful black-and-white line illustrations. Additional special features: Precise distribution information, accurate to the state level Details on unusual plant groups not included in other sources Reliable and versatile keys for identification Tips on recognizing hybrid plants in the field A companion interactive teaching Web site (under development) Comprehensive glossary

Marin Flora-John Thomas Howell 1970-01-01

California Plant Families-Glenn Keator 2009-06-10 This volume enables readers to identify California's native and naturalized plants by learning to recognize plant families. The heart of the book contains user-friendly keys and descriptions of seventy major families prominent in California's natural environment.

A Manual of California Vegetation-John O. Sawyer 1995 Describes a classification of vegetation developed by the California Native Plant Society (CNPS).

Morphology and Evolution of Vascular Plants-Ernest M. Gifford 1989-02-15

Key to Coastal and Chaparral Flowering Plants of Southern California-Barbara J. Collins 2017-10-31

Ferns and Fern Allies of California-Steve J. Grillos 1966-01-01 00 This book describes all ferns commonly found in California. Species accounts for eighty-six ferns have been included. In addition to a brief introduction, sections are devoted to the life cycle of a typical fern, a key to the fern families, a glossary of terns, and a list of suggested references. This book describes all ferns commonly found in California. Species accounts for eighty-six ferns have been included. In addition to a brief introduction, sections are devoted to the life cycle of a typical fern, a key to the fern families, a glossary of terns, and a list of suggested references.

A Flora of the Santa Barbara Region, California-Clifton F. Smith 1998

Arizona Flora-Thomas Henry Kearney 1960 Nearly every life form found among North American flowering plants is represented in Arizona. This amazing diversity is partly explained by the fact that the altitudinal range extends from a few feet above sea level to approximately 12,000 feet at the summit of the San Francisco Peaks. The life zone range from Arctic-Alpine on these peaks to Lower Sonoran in the southwest and Subtropical in the extreme south. The main objective of this book is to provide means for identifying the approximately 3438 species of flowering plants, ferns, and fern-allies growing without cultivation in Arizona. Keys for identification of the families, genera, and species are provided. Under each species the authors give the geographical distribution within and outside Arizona, and usually the altitudinal range and time of flowering. They describe economic uses, toxic or other properties, and ornamental value of many plants, giving particular attention to the utilization of native plants by the large Indian population of the state. Introductory chapters describe the topography, geology, soils, and climate of Arizona, the several types of vegetation in relation to the physical conditions, and the proportional representation of the larger plant families. There is also a brief account of botanical explorations in Arizona since 1832. This is the only available work on the flora of Arizona that includes the results of intensive, botanical research in the state during the past twenty years. It is based on an earlier publication, Flowering Plants and Ferns of Arizona, issued by the U.S. Department of Agriculture in 1942 and now out of print. For the present revision, a supplementary section of more than fifty pages has been prepared under the direction of John Thomas Howell and Elizabeth McClintock of the California Academy of Sciences.

Plants of Northern California-Ph. D Begley 2018-10-01 Plants of Northern California is the complete guide to the rich and unique flora of Northern California. From lush riparian forests along the rivers and streams to oak woodlands, wetlands, grasslands, and the ephemeral pools known as vernal pools, this handy volume enables both amateur and professional to quickly and accurately identify Northern California plants. Descriptive text that includes blooming period, elevation, and habitat Species organized by color and family Plant characteristics in easy-to-understand terms Notes that include ethnobotanical uses, history, and other interesting facts Glossary of botanical terms Plants of the San Francisco Bay Region-Linda H. Beidleman 2003 "Plants of the San Francisco Bay Region is a user-friendly guide with excellent photographs that fills an important need in the botanical community locally. A good guide for students and beginning nature lovers, though even sophisticated plant enthusiasts will consult it for its easy style and useful photos."--Frank Almeda, California Academy of Sciences

Common Wetland Plants of Coastal California-Phyllis M. Faber 1982

California Vegetation-V. L. Holland 1995

Plants of the Tahoe Basin-Michael Graf 1999 "The reader could hardly be disappointed with this book. More than simply a 'flower key, ' it deftly describes each species and its requirements for survival in the high Sierra. In addition to presenting an impressive collection of spectacular photographs, Graf describes the myriad physical aspects of the Basin which control the flora's vitality, its evolution and its future. This is a wildflower book with the depth and richness that will satisfy Tahoe plant lovers for a long time to come."--Joseph L. Medeiros, Sierra College

Introduction to the Plant Life of Southern California-Philip W. Rundel 2005-04-29 CNHG: This is an introduction to the plant communities of the Southern California coastal areas and foothills, including color photos of 250 species and additional color habitat photos.

Plants on Islands-Martin L. Cody 2019-04-30 This thorough and meticulous study, the result of nearly a quarter-century of research, examines the island biogeography of plants on continental islands in Barkley Sound, British Columbia. Invaluable both because of its geographical setting and because of the duration of the study, Plants on Islands summarizes the diversity, dynamics, and distribution of the approximately three hundred species of plants on more than two hundred islands. Martin Cody uses his extensive data set to test various aspects of island biogeographic theory. His thoughtful analysis, constrained by taxon and region, elucidates and enhances the understanding of the biogeographic patterns and dynamics. He provides an overview of the basic theory, concepts, and analytical tools of island biogeography. Also discussed are island relaxation to lower equilibrium species numbers post-isolation, plant distributions variously limited by island area, isolation and climatic differences, adaptation to local abiotic and biotic environments within islands, and the evolution of different island phenotypes. The book concludes with a valuable consideration of equilibrium concepts and of the interplay of coexistence and competition. Certain to challenge, Plants on Islands is among the first books to critically analyze the central tenets of the theory of island biogeography.

A Key to Vascular Plant Species of Kern County, California-L. Maynard Moe 1995

Checklist of the Vascular Plants of San Diego County-Jon Paul Rebman 2006

Field Guide to the Sedges of the Pacific Northwest-Barbara L. Wilson 2014 The second edition of Field Guide to the Sedges of the Pacific Northwest is a newly updated, expanded, and revised edition of the authoritative guide to the genus Carex in the Pacific Northwest.

A Flora of Southern California-Philip Alexander Munz 1974 This book includes descriptions of more than 4,000 species, of which more than 600 are illustrated with line drawings. The bulk of the work is devoted to the systematic treatment of vascular plants, which are grouped alphabetically by family, genus, and species. There are keys for the identification of all taxa.

Plant Systematics-Michael G. Simpson 2019-11-10 Plant Systematics, Third Edition, has made substantial contributions to plant systematics courses at the upper-undergraduate and first year graduate level, with the first edition winning The New York Botanical Garden's Henry Allan Gleason Award for outstanding recent publication in plant taxonomy, plant ecology or plant geography. This third edition continues to provide the basis for teaching an introduction to the morphology, evolution and classification of land plants. A foundation of the approach, methods, research goals, evidence and terminology of plant systematics are presented, along with the most recent knowledge of evolutionary relationships of plants and practical information vital to the field. In this new edition, the author includes greatly expanded treatments on families of flowering plants, as well as tropical trees (all with full-color plates), and an updated explanation of maximum likelihood and Bayesian inference algorithms. Chapters on morphology and plant nomenclature have also been enhanced with new material. Covers research developments in plant molecular biology Features clear, detailed cladograms, drawings and photos Includes major revisions to chapters on phylogenetic systematics and plant morphology

A Natural History of California-Allan A. Schoenherr 1992-12-16 Includes introductory chapters on basic ecology and geology to familiarize the reader with the climate, rocks, soil, plants, and animals in each distinctive region of California and shows how the state's natural history is uniquely interwoven with its human history. The Last Butterflies-Nick Haddad 2019-06-25 A remarkable look at the rarest butterflies, how global changes threaten their existence, and how we can bring them back from near-extinction Most of us have heard of such popular butterflies as the Monarch or Painted Lady. But what about the Fender's Blue? Or the St. Francis' Satyr? Because of their extreme rarity, these butterflies are not well-known, yet they are remarkable species with important lessons to teach us. The Last Butterflies spotlights the rarest of these creatures—some numbering no more than what can be held in one hand. Drawing from his own first-hand experiences, Nick Haddad explores the challenges of tracking these vanishing butterflies, why they are disappearing, and why they are worth saving. He also provides startling insights into the effects of human activity and environmental change on the planet's biodiversity. Weaving a vivid and personal narrative with ideas from ecology and conservation, Haddad illustrates the race against time to reverse the decline of six butterfly species. Many scientists mistakenly assume we fully understand butterflies' natural histories. Yet, as with the Large Blue in England, we too often know too little and the conservation consequences are dire. Haddad argues that a hands-off approach is not effective and that in many instances, like for the Fender's Blue and Bay Checkerspot, active and aggressive management is necessary. With deliberate conservation, rare butterflies can coexist with people, inhabit urban fringes, and, in the case of the St. Francis' Satyr, even reside on bomb ranges and military land. Haddad shows that through the efforts to protect and restore butterflies, we might learn how to successfully confront conservation issues for all animals and plants. A moving account of extinction, recovery, and hope, The Last Butterflies demonstrates the great value of these beautiful insects to science, conservation, and people.

Colorado Flora: Western Slope-Ronald C. Wittmann 2011-10-01 [C]learly a book that every Rocky Mountain botanist should own." -Arctic and Alpine Research Colorado Flora: Eastern Slope describes the remarkable flora of the state, distinctive in its altitudinal range, numerous microhabitats, and ancient and rare plants. Together with Colorado Flora: Western Slope, Fourth Edition, these volumes are designed to educate local amateurs and professionals in the recognition of vascular plant species so that they can be better stewards of our priceless and irreplaceable biological heritage. These thoroughly revised and updated editions reflect current taxonomic knowledge. The authors describe botanical features of this unparalleled biohistorical region and its mountain ranges, basins, and plains and discuss plant geography, giving detailed notes on habitat, ecology, and range. The keys contain interesting anecdotes and introductions for each plant family. Each volume includes a background of botanical work in the state, a complete glossary, indices to common and scientific names, references and suggested readings, and hundreds of illustrations. The books also contain a new contribution from Donald R. Farrar and Steve J. Popovich on moonworts. The fourth editions of Colorado Flora: Eastern Slope and Colorado Flora: Western Slope are ideal for both student and scientist and essential for readers interested in Colorado's plant life.

Ecosystems of California-Harold Mooney 2016-01-19 This long-anticipated reference and sourcebook for California's remarkable ecological abundance provides an integrated assessment of each major ecosystem type—its distribution, structure, function, and management. A comprehensive synthesis of our knowledge about this biologically diverse state, Ecosystems of California covers the state from oceans to mountaintops using multiple lenses: past and present, flora and fauna, aquatic and terrestrial, natural and managed. Each chapter evaluates natural processes for a specific ecosystem, describes drivers of change, and discusses how that ecosystem may be altered in the future. This book also explores the drivers of California's ecological patterns and the history of the state's various ecosystems, outlining how the challenges of climate change and invasive species and opportunities for regulation and stewardship could potentially affect the state's ecosystems. The text explicitly incorporates both human impacts and conservation and restoration efforts and shows how ecosystems support human well-being. Edited by two esteemed ecosystem ecologists and with overviews by leading experts on each ecosystem, this definitive work will be indispensable for natural resource management and conservation professionals as well as for undergraduate or graduate students of California's environment and curious naturalists.

Phylogeography of California-Kristina A. Schierenbeck 2014-08-26 Phylogeography of California examines the evolution of a variety of taxa—ancient and recent, native and migratory—to elucidate evolutionary events both major and minor that shaped the distribution, radiation, and speciation of the biota of California. The book also interprets evolutionary history in a geological context and reviews new and emerging phylogeographic patterns. Focusing on a region that is defined by physical and political boundaries, Kristina A. Schierenbeck provides a phylogeographic survey of California's diverse flora and fauna according to their major organismal groups. Life history and ecological characteristics, which play prominent roles in the various outcomes for respective clades, are also considered throughout the work. Supporting scholars and researchers who study evolutionary diversification, the book analyzes research that helps assess one of the major challenges in phylogeographic studies: understanding changes in population structures shaped by geological and geographical processes. California is one of only twenty-five acknowledged biological hotspots worldwide, and the phylogeographic history of the state can be extrapolated to study other regions in western North America. Further consideration is given to implications for conservation, recommendations concerning the biogeographic provinces that roughly define the state of California, and predictions related to climate change.

Something Wonderful-Matt Ritter 2021-03-02 This educational and interactive picture book immerses the reader in the strange and interwoven lifecycles of a tropical fig tree in the rainforest, and the tiny insects and colorful creatures that call it home. Following the growth of a seed dropped into the canopy of a rainforest tree by a flying toucan, Something Wonderful teaches the interdependence of rainforest ecology in an easy-to-follow, captivating story. Flip the beautifully illustrated pages and experience the journey of the fig seedling making roots and leaves, growing strong, eventually replacing the giant tree that was its host, making figs, attracting pollinators, and developing its life-giving seeds.Something Wonderful happens next. The delectable fig fruit is hungrily eaten by a passing toucan who, upon flight, aimlessly drops a seed from its poop into the treetops below, beginning the fig's lifecycle once again. Discover additional scientific information about the pollination process, insects, and animals found in the story in an illustrated section at the end of the book. Readers can play a "seek and find" game of locating the elusive red-eyed tree frog on each page of the story. Take a journey, from the tiny to the grand, while making your way through the tropical rainforest on the path to uncover Something Wonderful...

Plant Diversity of an Andean Cloud Forest-Grady L. Webster 2001-04-26 Based on work spanning a decade, this study of the Maquipucuna area on the western slopes of the Andes discusses the climate, vegetation, ecological relationships, and flora, and emphasizes the importance of the Maquipucuna area as a biological reserve. In addition to the checklist of the flora, which enumerates 1,650 species (including 228 species of pteridophytes and over 200 species of orchids), appendices give information on floristic composition of communities, distribution of epiphytes, and elevational ranges of families and genera. The illustrations include a map, landscapes, and characteristic species.

An Annotated Checklist of the Vascular Plants of Santa Cruz County, California-Dylan Neubauer 2013

Botany in a Day-Thomas J. Elpel 2000-01-01 This book teaches readers how to identify plants--and their uses--within groups and families. Botany in a Day provides simple techniques for plant identification, plus line drawings that highlight family characteristics, and plant entries that discuss med

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