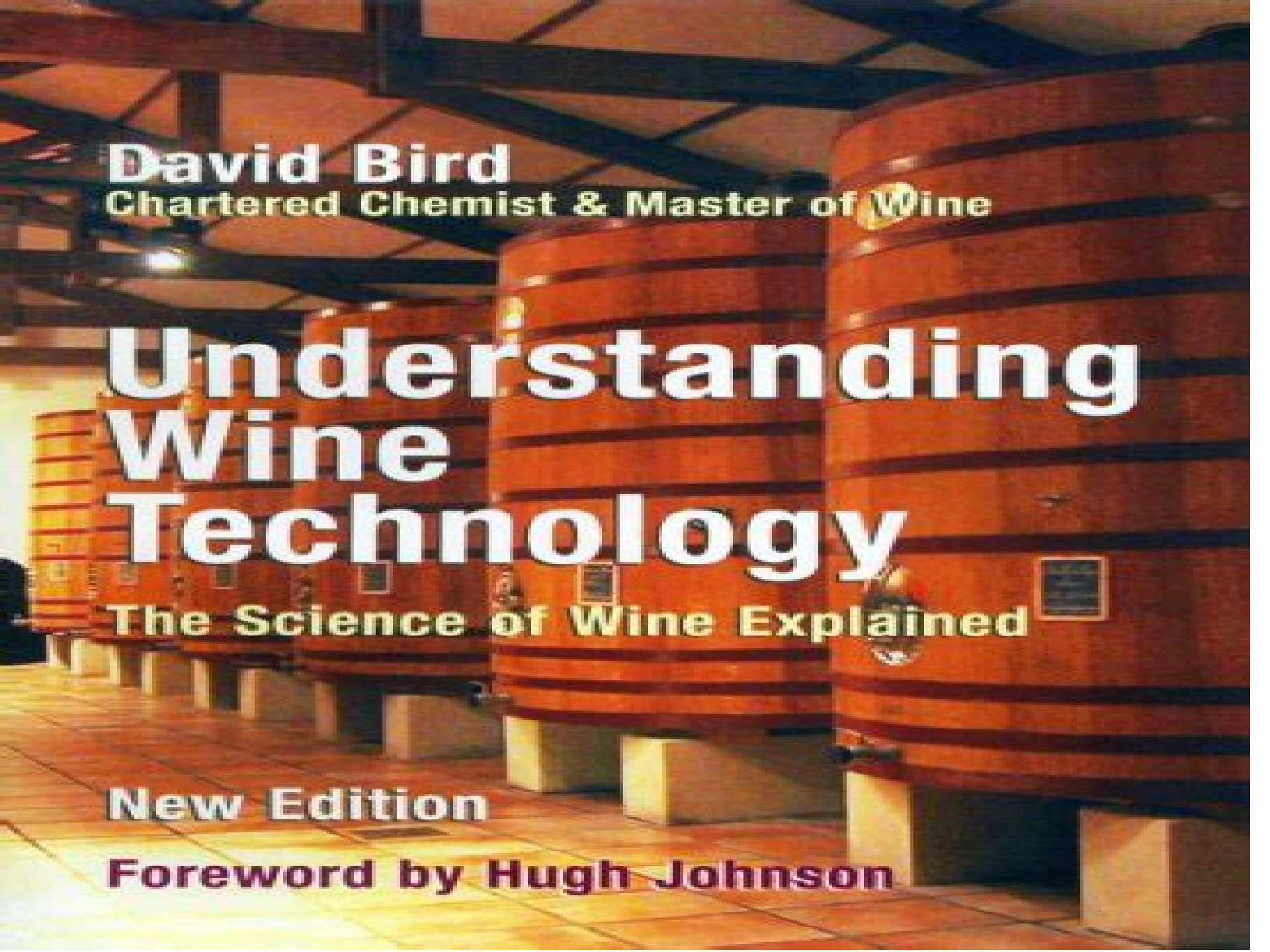




David Bird

Chartered Chemist & Master of Wine

Understanding Wine Technology

The Science of Wine Explained

New Edition

Foreword by Hugh Johnson

By David Bird Understanding Wine Technology Revised
And Updated 3rd Edition

RD Boyd



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Understanding Wine Technology, 3rd Edition Bird, David, 2011-05-01 Any student who has ever logged credits in a viticulture and enology class knows David Bird's book it is the most widely assigned wine science primer in the English speaking world This completely revised and updated edition to Bird's classic textbook deciphers all the new scientific advances from the last several years and conveys them in his typically clear and plainspoken style that renders even the densest subject matter freshman friendly The new material includes an expanded section on the production of red rose white sweet sparkling and fortified wines information on histamine flash detente maceration and whole bunch and whole berry fermentation an expanded chapter on wine faults including Brettanomyces a new section on HACCP analysis as applied to a winery and much more

Understanding Wine Technology David Bird, 2002 The first high tech book on wine written by a Master of Wine who knows how to taste as well as make wine Written originally as a tutorial for students of the Diploma exam of the Wine and Spirit Education Trust and the Master of Wine degree the highest possible achievement in wine appreciation this is the first book that explains the science and technological mysteries of wine in simple terms Expert wine tasters who do not have an education in chemistry physics or biology can assimilate these concepts from this book The topics range from the secrets of the vineyard through the processing of grapes to the complexities of fermentation the stabilization of wine and the various processes and treatments quality control to the final bottling Fully illustrated in color with user friendly charts diagrams graphs and photos Index and glossary

Exporter's Handbook to the US Wine Market

Deborah M. Gray, 2016-01-01 Attempting to export wine to the U S has long been fraught with difficulty especially for the smaller producers The U S wine industry complicated by confusing regulations and intense internal brand competition is also the land of opportunity and home to an adventurous and egalitarian wine consuming population But without an understanding of how to effectively enter this complex market the exporter often founders and retreats in frustration This book provides a guide to approaching and attracting an importer differentiating terms and regulations which must be understood to prosper and avenues to achieving and sustaining attainable sales and distribution goals

Business of Winemaking Jeffrey L. Lamy, 2015-12-01 The Business of Winemaking places all facets of the wine business in perspective for investors owners and anyone else who is interested in how the wine business operates Abundantly illustrated and written in a readily understandable style the book addresses the technical rudiments of viticulture and enology and all of its related business actions market analysis vineyard and winery design construction and equipment costs regulatory and legislative issues accounting and recordkeeping financial analysis tax considerations typical salaries by geographical area the minimum economic size of vineyards the business plan financing product pricing advertising and sustainable farming and immigrant labor This book features comprehensive case studies from 20 winery sites from coast to coast making it an ideal resource for anyone wanting to better understand the inner workings of a successfully run winery

Concepts in Wine Technology,

Small Winery Operations, Third Edition Yair Margalit, PhD, 2012-11 Following up on his bestselling Winery Technology and Operations physical chemist and winemaker Yair Margalit comes out with the successive Concepts in Wine Technology fully updated and revised to meet the advances of modern winemaking Among the extended topics are fermentation skin contact acid balance phenolics bottling the use of oak and quality control He begins in the vineyard discussing proper maturation soil and climate bunch health vineyard disease states and grape varieties Next he tackles the preharvest with a careful look at vineyard management and preparing the winery for harvest Dr Margalit then outlines the entire process of harvesting from destemming crushing and skin contact as it applies to both red and white grapes to pressing must correction and temperature control Fermentation is examined fully and includes a lengthy look at the factors affecting malo lactic fermentation and its pros and cons There is a chapter on cellar operations that deals with racking stabilization fining filtration blending and maintaining winery hardware followed by sections on barreling and bottling The final chapter pulls together the more general aspects of wine technology covering sulphur dioxides different forms of wine spoilage and ways to ward them off legal regulations and one of the most important and enigmatic compounds in wine phenolics

Concepts in Wine Chemistry Yair Margalit, 2012-10-01 More than 150 years after Louis Pasteur attributed fermentation to a living organism the field of wine microbiology and chemistry is vibrant with discovery The last decade alone has seen great strides in our understanding of the biochemistry involved in vinification In this new edition of his classic text Yair Margalit gives the complete and current picture of the basic and advanced science behind these processes making the updated Concepts in Wine Chemistry the broadest and most meticulous book on the topic in print Organized to track the sequence of the winemaking process chapters cover must and wine composition fermentation phenolic compounds wine oxidation oak products sulfur dioxide cellar processes and wine defects Margalit ends with chapters detailing the regulations and legal requirements in the production of wine and the history of wine chemistry and winemaking practices of old

View from the Vineyard Clifford P. Ohmart, 2011-10-01 Author and entomologist Clifford P Ohmart brings reason and clarity to the politically loaded and amorphously defined popular world of sustainable viticulture with this unique and comprehensive examination of the subject View from the Vineyard does much more than explain what sustainable means its practical importance to the wine industry and the costs of agribusiness as usual It provides the farmer with a realistic and achievable path to a sustainable vineyard by describing the challenges of practicing sustainable winegrowing where integrated pest management fits in how organic and sustainable farming related a holistic vision for the farm how to identify and define your farm s resources methods for developing sustainable goals creating a plan to achieve your holistic vision ecosystem management and understanding the vineyard as habitat The book concludes with a self assessment guide in which growers can easily track their progress through these transitional periods

Wine and Place Tim Patterson, John Buechsenstein, 2018-01-02 The concept of terroir is one of the most celebrated and controversial subjects in wine today Most

will agree that well made wine has the capacity to express somewhere a set of consistent aromatics flavors or textures that amount to a signature expression of place But for every advocate there is a skeptic and for every writer singing praises related to terroir there is a study or a detractor seeking to debunk terroir as a myth Wine and Place examines terroir using a multitude of voices and multiple points of view from science to literature from winemakers to wine critics seeking not to prove its veracity but to explore its pros its cons and its other aspects This comprehensive anthology lets the reader come to one s own conclusion about terroir *A Natural History of Wine* Ian Tattersall, Rob DeSalle, 2015-11-28 Wine is art Wine is ritual Wine is culture Wine is romance But in the hands of Tattersall and DeSalle we learn that wine is also science Neil deGrasse Tyson A Wall Street Journal Best Book for Wine Lovers An excellent bottle of wine can be the spark that inspires a brainstorming session Such was the case for Ian Tattersall and Rob DeSalle scientists who frequently collaborate on book and museum exhibition projects When the conversation turned to wine one evening it almost inevitably led the two one a palaeoanthropologist the other a molecular biologist to begin exploring the many intersections between science and wine This book presents their fascinating freewheeling answers to the question What can science tell us about wine And vice versa Conversational and accessible to everyone this colorfully illustrated book embraces almost every imaginable area of the sciences from microbiology and ecology for an understanding of what creates this complex beverage to physiology and neurobiology for insight into the effects of wine on the mind and body The authors draw on physics chemistry biochemistry evolution and climatology and they expand the discussion to include insights from anthropology primatology entomology Neolithic archaeology and even classical history The resulting volume is indispensable for anyone who wishes to appreciate wine to its fullest Chemistry Evolutionary biology Genetics This book is an excellent layman s refresher on these diverse topics and many more and how they fit into the grand scheme of wine A fact packed and accessible read that goes a long way toward explaining why and how wine became such an important component in our enjoyment of the natural world Wine Spectator *From Vines to Wines in Classical Rome* David L. Thurmond, 2016-12-05 David L Thurmond s *From Vines to Wines in Classical Rome* is the first general handbook on winemaking in Rome in over 100 years In this work Thurmond surveys the biology of the vine the protohistory history viticulture winemaking distribution and modes of consumption of wine in classical Rome He uses a close reading of the relevant Latin texts along with a careful survey of relevant archaeology and comparative practices from modern viticulture and oenology to elucidate this essential element of Roman culture

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