

MARIJUANA Horticulture

The Indoor/Outdoor

MEDICAL

Grower's Bible

by JORGE CERVANTES

This book is written for the purpose of supplying information to the public. The publisher and the author, or anyone associated with the production of this book, do not advocate breaking the law.

You are encouraged to read any and all information available about cannabis to develop a complete background on the subject.

The author and the publisher have tried to the best of their ability to describe the most current cannabis growing methods. However, there may be some mistakes in the text that the author and publisher were unable to detect. This book contains current information up to the date of publication.

All rights reserved. No part of this book may be reproduced in any way whatsoever without written permission from the publisher, except by a reviewer who may quote brief passages or reproduce illustrations in a review with appropriate credits; nor may any part of this book be reproduced, stored in a retrieval system, or transmitted in any form or by any electronic means, mechanical, photocopying, recording, or other without written permission from Jorge Cervantes.

Published by Van Patten Publishing

Cover Design: Chris Payaso

Cover Photos: The greenhouse at Eddy Lepp's Medicinal Gardens is by Chris Payaso.

The 'Thaitanic' bud in full bloom is by Gato.

Artwork: Christopher Valdes, Chris Payaso

Book Design and Layout: Chris Payaso

Back Cover Photos: Jorge Cervantes

Photos: Jorge Cervantes, Gato, Jorge, Gregorio Fernandez, Hugo, William, Eirik, Chris Payaso

Editors: Linda Meyer, Estella Cervantes

Contributors: Dr. John McPartland, Chimera, Therese Blanco, Chris Payaso

Copyright 2006, Jorge Cervantes

ISBN-13: 978-1-878823-23-6

ISBN-10: 1-878823-23-X

9 8 7 6 5 4 3

Neither the publisher nor the author endorse any products or brand names that are mentioned or pictured in the text. These products are pictured or mentioned for illustration only.

For wholesale orders please contact the following:

United Kingdom: Avalon Wholesale: www.avalonheadshop.co.uk, Tel: 44-23-9283-2383

North America: Homestead Books: www.homesteadbook.com, 1-800-426-6777

North America: Quick Distribution: 1-510-527-7036

North America: Ingram Books: www.ingrambook.com

See our website: www.marijuanagrowing.com for more distributors.

In Memoriam:

Steven McWilliams

Scared of possible jail time, in constant pain and tired of battling for medical marijuana patients' rights, Steven McWilliams committed suicide in San Diego on Monday July 11, 2005, on his 51st birthday.

Mr. McWilliams was famous nationwide for his efforts and the legitimacy he lent to the medical marijuana movement. Not taken seriously at first, McWilliams did not give up, working for the movement since as early as 1996 when California state voters approved Proposition 215, allowing patients to use marijuana for medical purposes when prescribed by a doctor.

Steven McWilliams worked to implement Proposition 215 locally in San Diego. Showing up weekly for City Council meetings carrying a marijuana plant, he urged the local politicians to come up with a plan for the distribution of marijuana. As a result the city came up with standards for the number of plants allowed by users. Mr. McWilliams served on a city-organized committee for a time that dealt with these issues. He ran for city council a few times, when he wasn't alternately suing the city.

In spite of all this, he was convicted in 2003 for illegal cultivation, and sentenced to a six-month federal prison term. Still out on appeal at the time of his suicide, he was in chronic and serious pain—the judge had ordered that he not use marijuana. Mr. McWilliams suffered severe

Dedication

This book is dedicated to Sebastain Orfali; Roger Watanabe; my mother, father, wife and family; all cannabis medical patients; and all the people who have suffered the effects of the War on (prohibited cannabis) Drugs. We share a common affliction. Some law enforcement and political agents have shared our pain; others are in different stages of denial. May the Christian God, Buddha, Allah, Sheba, and the God you worship, bless you all.

side effects from the use of standard prescription painkillers. He left a note saying that the pain was too much to bear, and he hoped his suicide would help change the government's position towards marijuana as a medicine.

Memorial services were held in San Diego at City Hall, white roses were passed to the attendees.

Steph Sherer, executive director of Americans for Safe Access said, "Steve McWilliams was tortured by the federal government because of the medication he needed."



The Native Suns Dispensary opened in San Diego on June 6, 2005, in defiance of the Supreme Court's ruling against individual states' medical marijuana laws. In a 6-3 split-decision, Justice Paul Stevens said that Congress has a moral responsibility to change the nation's laws regarding cannabis use for medical patients. In writing the decision, Justice Stevens did find that the federal government did not exceed its authority under law when federal officers raided medical marijuana patients with California state prescriptions.

Credits

Some information in this book was extrapolated from the "Frequently Asked Questions" and "Forums" from the closed site, www.overgrow.com. This list contains OG member names and some of the many people who made this book possible.

It has been a long and winding road. Many, many wonderful people have helped make this book a reality. I have listed everybody in alphabetical order. To clarify, some of the people below provided inspiration, others hard facts, and among them, some gave much more than others. We know who we are. and we are together!

Extra special thanks to Chimera who added precision and knowledge to the breeding chapter. He is an expert!

10K	Chris Simunek (<i>High Times</i>)	Elmar (BTT)
Adam (Hempworks/THSeeds)	Cliff Cremer (<i>High Life and Soft Secrets</i>)	Emilio Gómez
Al (Insta Print)	Connie (<i>Hanf</i>)	Enric
Alan Dronkers (Sinsi)	Consuelo	Ernesto (<i>Cañamo</i>)
Albert (Sensi)	Cosmic Jimmy	Estelita, Spain
Aleen	Crow	Evie
Alex (not Lying Sack of Shit Alex)	Crystal (Kind Seeds)	Farmer in the Sky
Allen St. Pierre, (NORML)	Crystalman (Joop Dumay), Holland	Fatima
Amadeo (Spain)	Culture)	Felipe
André Grossman (<i>High Times</i>)	Curt (Advanced Nutrients, Holland)	Felipe Borallo (Makoki)
Annie	D. B. Turner	Felix Kaatz (Owl's Production)
Apollo11 Genius	D. C.	Feran (Good House Seeds)
Arjan (Greenhouse)	D.J. Short (DJ Short Seeds)	Fergetit
Aurora	DaChronicKing	Flick
Badar	Dan (Vancouver, BC)	Fluus
Balta	Dana Larson (<i>Cannabis Culture</i>)	Foz
Barbas	Darryll (Kind Seeds)	Frank
Barge	Daryll	Frank (Canna)
Barry (Australian Hydroponics)	Dave Bienenstock (<i>High Times</i>)	G. I. Joe
Bean (<i>High Times</i>)	David	Gaspar Fraga (<i>Cañamo</i>)
Ben Dronkers (Sensi)	David Garcia (Translator)	Gato
Bernard Rapaz (<i>Valchanvre</i>)	David Strange (<i>Heads</i>)	George
Bev	David T.	Gillis (Canna)
Beverly Potter	David W.	Gisela
Biddy	David Watson	Glass Joe
BigIslandBud	Dennis (<i>Grass Times</i>)	Gloria (Kind Seeds)
Bill	Dennis Peron	Gonz
Bill C.	Dennis S.	Gordon
Bill Drake (Author)	DennoS	Grant
Bill K.	Derry (Barney's)	Green Man
Bill R.	Deva	Gregorio (Goyo) Fernandez
BOG	Dieter Hagenbach	Guido (Hanfblatt)
Boy Ramsahai (<i>High Life and Soft Secrets</i>)	Dirk Rehahn (<i>Canna</i>)	Gurney
Breeder Steve (Spice of Life)	Doc Ontario	Gypsy Nirvana (Seeds Direct)
Brian (SNB)	Doctor Dangerous	Hank
Bubbasix	Don Collins	Harmon D.
Bubble Man	Donny	HashMan
Buko	Doug (Hempworks/THSeeds)	HempHappy
Buddy (Nirvana), Holland	Dr. John McPartland (<i>Hemp Diseases and Pests</i>)	Henk (Dutch Passion)
Buddy R.	Drew Bennie	Henk (HESI)
Bud-E	Dutch Grown	Hillary Black
Carlos Cholula	Eagle Bill (RIP)	Hugo (Soft Secrets)
Carlos Hernandez	Ed Borg, Holland	Ivan (Ivanart)
Cezar Doll (<i>Cañamo</i>)	Ed Rosenthal (Author)	ixnay007
Charlie	Ed S. (Canada)	J. D., Spain
Charlie F.	Eddie (Flying Dutchmen)	Jack Herrer
Chimera (Chimera Seeds)	Eirik	Jaime Prats (Cañamo)
Chris Conrad	Elizabeth	Jan
Chris I.	Eddy Lepp	Jan Sennema
Chris Payaso		Jason King (Author)
		Javi

- Javi (The Plant)
 Javis
 Jerry
 Jim
 Jim from Chicago
 Jim R.
 Jimmy Chicago
 JJ Jackson (Advanced Hydroponics)
 JJ Turner
 Joan Melendez
 John
 John (Avalon)
 Johnny Sage from Ocean Beach
 Joint Doctor (Low Ryder)
 Jordi Bricker (*Cañamo*)
 Joseite (*Cañamo*)
 Juan
 Juan (The Plant)
 Juaquin (El Conde) Bucati
 K. Trichome Technologies
 Karen (The Amsterdam)
 Karulo (!Interior)
 Kees (Super Sativa Seed Club)
 Keith Stroop (NORML)
 Kelly
 Ken
 Kevin
 Kinny
 Kyle (Kind Seeds)
 Kyle Kushman (*High Times*)
 Larry Armantrout
 Larry Turner
 Lars
 Laurence Cherniac (author)
 Leaf
 Lee Bridges (The Cannabis Poet, RIP)
 Liam (Pollinator)
 Linda
 Lock
 Lord of the Strains
 Lorna (Cannabis College)
 Loti, Swiss
 Luc (Paradise)
 Lyndon (CC Newz)
 Madelena (Flying Dutchmen)
 Mani, Spain
 Marc
 Marc Emery (*Cannabis Culture*)
 Marco Kuhn (CannaTrade)
 MarcusVonBueler
 Mario Belandi (Reyna Madre)
 Martin Palmer (Avalon)
 Martin Trip
 Mary Anderson
 Matt (*High Times*)
 Matt (THSeeds), Holland
 Mauk (Canna)
 Max M.
 Mel Frank (*Marijuana Grower's Guide*)
 Michael
- Michael A.
 Michka (Mama Editions)
 Mickey
 Miguel
 Miguel Gemino
 Mike
 Mike
 Mike Edison (*High Times*)
 Mila (Pollinator)
 Moisés Lopéz (*Cañamo*)
 Moño
 Mr. Beaner
 Mr. Ito
 Murphy Stevens (Author)
 Napoleon (Martín)
 Natalia
 Neil Wilkinson
 Neville (The Seed Bank)
 Nick (*Redeye Express*)
 Nol Van Schaik (Willie Wortel's)
 Noucetta
 Ocean
 Olaf (Greenhouse)
 Oli, Swiss
 Opti
 Oscar (Osona)
 Patricia
 Patrick, Swiss
 Patty Collins
 Paul
 Pepe Poblacion
 Phil (*Weed World*)
 Pim (Super Sativa Seed Club)
 PREMIER
 Psychotropic Nomad
 R.C. (overgrow.com Founder)
 Ravi Dronkers (Sensi)
 Red (Legends Seeds)
 Reeferman
 Renaté
 Rick
 Rick Cusick (*High Times*)
 Roach from Spain
 Rob
 Rob Clarke (*Marijuana Botany*)
 Robbie (Agromix)
 Roberto C.
 Roger
 Roger (*Nacht-Schatten Verlag*)
 Roger Botlanger (*Hanf*)
 Roger Watanabe (RIP)
 Rolf
 Romulan Joe
 Ron (Baba) Turner (Last Gasp)
 Ron Wilks
 Ross
 Rubio
 Sam S.
 Sammy
 Saskia
 Saskia (Canna)
 SC
- Scott
 Sebastain Orfali RIP
 Secrets)
 Sergi Doll (*Cañamo*)
 Shantibaba (Mr. Nice)
 Simon (Serious Seeds)
 Sita
 Sixfinger
 Skip
 Skip Higdon
 Skip Stone
 Snoofer
 Soma (Soma Seeds)
 Spanish Hash Guy
 Spence (Cannabis College)
 Steve
 Steve Bloom (*High Times*)
 Steve from Amsterdam
 Steve from OZ
 Steve Hagar (*High Times*)
 Steve R.
 Steve Solomon
 Sus
 Susan L.
 T.
 Taylor (Kind Seeds)
 Ted B.
 Ted Zitlau, RIP
 Tigrane (Mama Editions)
 Tim G.
 Times)
 Tom (*Sinsemilla Tips*)
 Tom Flowers (*Marijuana Flower Forcing*)
 Tony (Sagarmatha)
 Tony B.
 Twofingered
 Uncle Ben
 Vansterdan
 Wally Duck
 Wayne O.
 Wernard Bruining
 Whirly
 William
 Willie (Hanfblatt Tuner)
 Winnie (*Grow!*)
 Wismy (*Yerba*)
 Xavi
 Xus
 Yorg, Swiss
 Yorgos
 Ztefan (CannaTrade)

Countless growers and cannabis aficionados (that were not named above) helped with this book. They provided valuable input and support over the last 20 years to make this book possible.

The War on Drugs

The War on Drugs in "America, Land of the Free" is out of control. This War on American citizens and many other unfortunate souls around the world continues to be driven by fear and misinformation that is spun by numerous US and foreign government agencies.

The War on Drugs concentrates on incarcerating cannabis users and is headed by a drug czar.

Czar is defined by Webster's Dictionary, as 1. A former Russian emperor. 2. An autocrat. 3. Informal. One in authority; Leader. From these definitions we know that a Drug Czar is not one to listen to any opposition. Is this the basis of democracy?

The most infamous American Drug Czars include: William Bennet (a tobacco smoker, alcohol drinker and compulsive gambler) General Barry McCaffrey (the most decorated US General and instigator of failed "anti-cannabis media propaganda"), and John Walters (a career bureaucrat who labels peaceful cannabis consumers as terrorists). All past and present Drug Czars profess "high moral standards."

Many official Government and private reports have recommended legalization or decriminalization of cannabis including:

1928: Le Dain Commission (Canada) recommended to decriminalize or legalize small amounts of marijuana.

1972: the Safer Commission, appointed by President Nixon, reported that laws regarding marijuana should be decriminalized. Nixon rejected that recommendation, and instead endorsed the creation of the US Drug Enforcement Agency (DEA).

1990: California Advisory Panel (appointed by the State of California) recommended that California legalize marijuana. State Attorney General John Van de Kamp refused to publish the report.

2005: The Budgetary Implications of Marijuana Prohibition report is released. The Harvard University report by 500 US economists headed by economist Milton Friedman endorses legalization and taxing cannabis.

Cannabis has been used medicinally for more than 10,000 years. Cannabis is being legally dispensed medicinally in 10 US states, Canada, the Netherlands and Spain. Still the US Government classifies cannabis as a Schedule I drug along with heroin as having no medical value.

The July 30, 2004 edition of the *Seattle Times* reported "Marijuana smuggling case first local use of Patriot Act provision. The US attorney in Seattle, WA charged 15 people in a marijuana smuggling operation. The undercover snitch, a U.S. Immigration and Customs Enforcement agent, posed as a middle man who actually smuggled money from the US to Canada.

The alleged cannabis and money smugglers were charged under the Patriot Act. The Patriot Act was passed into law in the US in order to thwart international terrorism after the September 11 attacks on the World Trade Center towers in New York City. However according to US attorney Todd Greenberg in Seattle, "there is no indication these defendants are connected to terrorism."

Here are a few well documented facts:

Cause of Death	Annual Deaths
Tobacco	435,000
Poor Diet and Physical Inactivity	365,000
Alcohol	85,000
Microbial Agents	5,000
Toxic Agents	55,000
Motor Vehicle Crashes	26,347
Adverse Reactions to Prescription Drugs	32,000
Suicide	30,622
Incidents Involving Firearms	29,000
Homicide	20,308
Sexual Behaviors	20,000
All Illicit Drug Use, Direct and Indirect	17,000
Non-Steroidal Anti-Inflammatory Drugs Such as Aspirin	7,600
Marijuana	0

This confirmed information for the year 2000 in the USA is from: http://www.drug_warfacts.org/causes.htm .