# THE PSYCHODYNAMICS AND PSYCHOLOGY OF GAMBLING

#### ABOUT THE AUTHOR

**Mikal Aasved** is a Research Associate at the Center for Addiction Studies in the School of Medicine and an Adjunct Assistant Professor in the Department of Sociology and Anthropology at the University of Minnesota in Duluth. He has degrees in the behavioral and social sciences with academic specializations including human motivational theory, human social theory, and addiction studies. The findings of his gambling, alcohol, and barroom behavior research have been presented as papers read at professional conferences and as articles published in scholarly journals. This is his second book.

Cover design by Lin Tuschong, www.typewitch.com.

### The Gambling Theory and Research Series Volume 1

### THE PSYCHODYNAMICS AND PSYCHOLOGY OF GAMBLING

The Gambler's Mind

By

MIKAL AASVED, PH.D.

Center for Addiction Studies University of Minnesota, Duluth



#### Published and Distributed Throughout the World by

#### CHARLES C THOMAS • PUBLISHER, LTD. 2600 South First Street Springfield, Illinois 62704

This book is protected by copyright. No part of it may be reproduced in any manner without written permission from the publisher.

#### © 2002 by CHARLES C THOMAS • PUBLISHER, LTD.

ISBN 0-398-07276-0 (hard) ISBN 0-398-07277-9 (paper)

Library of Congress Catalog Card Number: 2002020649

With THOMAS BOOKS careful attention is given to all details of manufacturing and design. It is the Publisher's desire to present books that are satisfactory as to their physical qualities and artistic possibilities and appropriate for their particular use. THOMAS BOOKS will be true to those laws of quality that assure a good name and good will.

Printed in the United States of America MM-R-3

#### Library of Congress Cataloging-in-Publication Data

Aasved, Mikal J.

The psychodynamics and psychology of gambling / by Mikal Aasved. p. cm. -- (Gambling theory and research series; v. 1)

ISBN 0-398-07276-0 -- ISBN 0-398-07277-9 (pbk.)

1. Gambling--Psychological aspects. 2. Compulsive gambling I. Title. II. Series.

RC569.5.G35 A25 2002 616.85'841--dc21

2002020649

To the memory of my Father

This one's for you, Dad

#### PREFACE TO THE SERIES

This series of books was written primarily to fill what I perceived as a conspicuous gap in the gambling literature: some years ago when I first entered the field of gambling studies and tried to locate a single source which would provide the necessary background on the motivations for normative and excessive gambling, no such source existed. For some puzzling reason, no similarly extensive review and synthesis of the voluminous published materials on gambling theory and research had ever been undertaken. With the exception of a few "handbooks" on gambling and some hard-to-find anthologies of papers presented at various symposia, the necessary source materials were scattered throughout a plethora of academic journals and books. Moreover, most existing reviews of the gambling literature are far from exhaustive. Instead, they are all too often cursory overviews appearing either as relatively brief journal articles or as chapters or even smaller sections of books whose authors usually then go on to profess the superiority of their own favored theory.

This series therefore represents a synthesis of the major ideas and findings of leading theoreticians and researchers in their quest to discover and explain the human propensity for gambling. It is evident that just as many writers in the field of alcohol studies often fail to distinguish among drinking, drunkenness, and alcoholism, so do many writers in the field of gambling studies fail to acknowledge that there are also different degrees of gambling involvement. It is therefore extremely important to distinguish among normal or moderate recreational gambling which is harmful to none, heavy or immoderate gambling which may or may not be harmful to a particular gambler, and compulsive or pathological gambling which is generally harmful not only to all those who are afflicted with it but also to their families, friends, and sometimes even to the greater society in which they live. Addressing primarily the etiological issues related to both normative and excessive gambling, this series includes the speculative thoughts of armchair scholars as well as the empirical findings of front-line scientific researchers in all disciplines including the behavioral, social, and medical sciences.

It is intended to benefit both students and professionals. One goal is to provide students with the introductory background they need to embark on a career in gambling studies. A second is to remind those who are already established in the field not only that many possible explanations for normative and pathological gambling have been proposed, but also that the authority of those who have advanced them should always be questioned. Toward this end, another aim of this more extensive review is objectivity. Rather than champion a particular theoretical orientation as so many others have done, it includes critical assessments of many of the theoretical ideas and research findings that are reviewed. This has been done to help readers become more critical not only in their appraisal of the ideas of others but also in their own thinking. Many of the "experts" in any field are firmly convinced that they have discovered the absolute truth and then write as though their explanation for any phenomenon constitutes the final, definitive answer to that particular question. Many such explanations have an initial intuitive appeal that may "sound good" but that can blind the unwary reader to all other possibilities. In this way some theories have become very much like religions that are sustained more by the faith of the zealots who follow them than by any unbiased scientific observations. Since so many different and competing final "truths" have been propounded, it is clear that not all of them can claim the prize. This is particularly evident in the field of addiction studies, but it is also true of other disciplines. Occasionally a purportedly scientific treatise or explanation will turn out to be merely a guise that its author has used to promote some hidden agenda. The propagandistic tracts of the "creation scientists" are prime examples of this. Readers of all scientific works-including those by reputable authors-are therefore strongly encouraged always to question their validity and never to accept any idea or argument solely on the basis of its author's credentials, reputation, position, or salesmanship since it may turn out to be entirely baseless. The ultimate truth or falsity of any proposition must always be determined by empirically derived facts.

MIKAL AASVED

#### ACKNOWLEDGMENTS

A work of this nature and scope is clearly not the product of a single author but of many, all of whom deserve credit. I therefore want to thank all the theoreticians and researchers in gambling studies upon whose ideas, analyses, and conclusions the entire contents of this series are based.

I am especially grateful to my parents, Harry and Lucille Aasved, for their undying encouragement and support throughout this project. Although severely tried, they were never wanting.

William Madsen, my mentor, friend, and author of the highly popular *The American Alcoholic*, not only introduced me to addiction studies but also provided the inspiration necessary to undertake this work. Thanks for everything, Bill, including all those prime rib dinners.

I would also like to thank a number of friends and colleagues including Jim Schaefer, with whom I first entered into gambling studies, who introduced me to the hidden world of pull tab gambling, and who demonstrated that it can sometimes be more profitable not to raise when you are holding a nut hand; J. Clark Laundergan not only for his help and encouragement but also for making this work possible; Ken Winters for sharing his collection of professional journals; and Henry Lesieur for his sage advice, assistance, direction, and willingness to share any information he has.

I am also indebted to the entire staff of the University of Minnesota/Twin Cities interlibrary loan office for tracking down countless source materials and to my friend Merlin Spillers, thespian, terpsichorean, and librarian extraordinaire, who generously provided me with source materials I would not otherwise have been able to review.

Finally, but foremost in my life and thoughts, my beloved Star, my soulmate and lifemate, gave me all the love and support necessary to see this endeavor through to its completion. Mo grá thu, my Goddess.

### **CONTENTS**

	Page
Preface to the Series	vii
Acknowledgments	ix
INTRODUCTION TO THE SERIES	3
A Question of Morals?	5
An Addiction?	7
The Definitional Issue in Addiction Research	7
Co-Addiction	9
The Nature-Nurture Controversy in Mental Health and	
Addiction Studies	12
Scientific Approaches	13
A Note on Gender Bias	14
PART I: PSYCHODYNAMIC APPROACHES	
The Role of Early Childhood Experiences	
Chapter	
1. PSYCHOANALYTIC THEORY: EARLY VIEWS	10
General Assumptions	
Hans Von Hattingberg: A Pioneering Effort	
Ernst Simmel: An Anal-Erotic Manifestation of	20
Dependency Conflict	. 24
Wilhelm Stekel: Escape, Excitement, Latent	
Homosexuality, and Sadism	25
Sigmund Freud: Unfulfilled Oedipal Desires	
Otto Fenichel: Father Fate and Lady Luck,	
Sublimated Parental Figures	29

	Edmund Bergler: Orality, Infantile Omnipotence,
	and Psychic Masochism30
	Ralph Greenson: Sublimated Sexuality
2.	PSYCHOANALYTIC THEORY: LATER VIEWS
	D. W. Bolen and W. H. Boyd: Dissention and a
	Break with Tradition
	Peter Fuller: Gambling, the Protestant Ethic,
	Capitalist Economics, and Anality40
	More Recent Views
	Richard Rosenthal: The Psychodynamic Mechanisms
	of Self-Deception
	David Newmark: Fate and Power Needs
	Critique of Psychoanalytic Theory47
3.	PERSONALITY THEORY53
	Power Needs and Dependency Conflict54
	Critique of Personality Theory
	The Search for an Identifying Trait
	Trait Constellations
	DADE II. BEILAYIOD AL DEVOLIOLOGY
	PART II: BEHAVIORAL PSYCHOLOGY  The Pole of Powerds Punishments and Associational Learning
	The Role of Rewards, Punishments, and Associational Learning
4.	LEARNING OR REINFORCEMENT THEORY
	Learning Theory versus Psychoanalytic Theory
	Operant Conditioning
	Schedules of Reinforcement
	Persistence and the Structural Characteristics of
	Gambling Games70
	Classical Conditioning
	Classical Conditioning and Cue Exposure
	Behavior Completion Mechanisms
	Critique of Reinforcement Theory
	Opposing Views
	A Defensive Response
	Scientific Tests of Reinforcement Theory

Contents	xiii

5.	NEED-STATES AND DRIVE-REDUCTION	
	The Tension-Reduction Hypothesis: Gambling as an	
	Emotional Crutch	
	Arousal and Sensation-Seeking85	
	Erving Goffman: The "Action" Hypothesis	
	Play, Sensation, Existentialism, and Self-Esteem88	
	Optimal Arousal and Addiction	
	Mark Dickerson: The Dual-Reinforcement Hypothesis89 R. I. F. Brown: Variable-Ratio Emotional	
	Reinforcement90	
	Arousal under Any Circumstances	
	R. I. F. Brown: The Bi-Phasic Effects of Indulgence92	
	Testing the Arousal and Sensation-Seeking Hypotheses	
	Is Arousal a Factor?94	
	Is Sensation-Seeking a Factor?	
	Critique of Need-State or Drive-Reduction Models101	
	The Role of Expectancy and Belief	
6.	IRRATIONAL THINKING	
6.	IRRATIONAL THINKING.109Biased Estimates of Probability.110The Gambler's Fallacy.111Persistence and Chasing.112Attribution Theory.113	
6.	IRRATIONAL THINKING.109Biased Estimates of Probability.110The Gambler's Fallacy.111Persistence and Chasing.112Attribution Theory.113The Illusion of Control.114	
6.	IRRATIONAL THINKING109Biased Estimates of Probability110The Gambler's Fallacy111Persistence and Chasing112Attribution Theory113The Illusion of Control114Causality and Foreknowledge114	
6.	IRRATIONAL THINKING.109Biased Estimates of Probability.110The Gambler's Fallacy.111Persistence and Chasing.112Attribution Theory.113The Illusion of Control.114Causality and Foreknowledge.114Competition, Choice, Familiarity, and Involvement.115	
6.	IRRATIONAL THINKING109Biased Estimates of Probability110The Gambler's Fallacy111Persistence and Chasing112Attribution Theory113The Illusion of Control114Causality and Foreknowledge114Competition, Choice, Familiarity, and Involvement115Internal Attribution, Winning, and Familiarity119	
6.	IRRATIONAL THINKING109Biased Estimates of Probability110The Gambler's Fallacy111Persistence and Chasing112Attribution Theory113The Illusion of Control114Causality and Foreknowledge114Competition, Choice, Familiarity, and Involvement115Internal Attribution, Winning, and Familiarity119Beginner's Luck: The "Early Win" Hypothesis121	
6.	IRRATIONAL THINKING109Biased Estimates of Probability110The Gambler's Fallacy111Persistence and Chasing112Attribution Theory113The Illusion of Control114Causality and Foreknowledge114Competition, Choice, Familiarity, and Involvement115Internal Attribution, Winning, and Familiarity119Beginner's Luck: The "Early Win" Hypothesis121Inducing a Skill Orientation in Chance Events122	
6.	IRRATIONAL THINKING109Biased Estimates of Probability110The Gambler's Fallacy111Persistence and Chasing112Attribution Theory113The Illusion of Control114Causality and Foreknowledge114Competition, Choice, Familiarity, and Involvement115Internal Attribution, Winning, and Familiarity119Beginner's Luck: The "Early Win" Hypothesis121Inducing a Skill Orientation in Chance Events122Biased Evaluations of Outcomes124	
6.	IRRATIONAL THINKING109Biased Estimates of Probability110The Gambler's Fallacy111Persistence and Chasing112Attribution Theory113The Illusion of Control114Causality and Foreknowledge114Competition, Choice, Familiarity, and Involvement115Internal Attribution, Winning, and Familiarity119Beginner's Luck: The "Early Win" Hypothesis121Inducing a Skill Orientation in Chance Events122Biased Evaluations of Outcomes124Wishful Thinking124	
6.	IRRATIONAL THINKING109Biased Estimates of Probability110The Gambler's Fallacy111Persistence and Chasing112Attribution Theory113The Illusion of Control114Causality and Foreknowledge114Competition, Choice, Familiarity, and Involvement115Internal Attribution, Winning, and Familiarity119Beginner's Luck: The "Early Win" Hypothesis121Inducing a Skill Orientation in Chance Events122Biased Evaluations of Outcomes124Wishful Thinking124Near Misses, Flukes, and Hindsight Bias: The	
6.	IRRATIONAL THINKING 109 Biased Estimates of Probability 110 The Gambler's Fallacy 111 Persistence and Chasing 112 Attribution Theory 113 The Illusion of Control 114 Causality and Foreknowledge 114 Competition, Choice, Familiarity, and Involvement 115 Internal Attribution, Winning, and Familiarity 119 Beginner's Luck: The "Early Win" Hypothesis 121 Inducing a Skill Orientation in Chance Events 122 Biased Evaluations of Outcomes 124 Wishful Thinking 124 Near Misses, Flukes, and Hindsight Bias: The Rationalization of Loss 125	
6.	IRRATIONAL THINKING109Biased Estimates of Probability110The Gambler's Fallacy111Persistence and Chasing112Attribution Theory113The Illusion of Control114Causality and Foreknowledge114Competition, Choice, Familiarity, and Involvement115Internal Attribution, Winning, and Familiarity119Beginner's Luck: The "Early Win" Hypothesis121Inducing a Skill Orientation in Chance Events122Biased Evaluations of Outcomes124Wishful Thinking124Near Misses, Flukes, and Hindsight Bias: The	

	Luck and Superstition	131
	The Manipulation of Luck	131
	Magical Thinking and Ritual Performance	
7.	COGNITIVE-BEHAVIORAL THEORISTS	138
	David Oldman: Chance and Roulette	138
	Mark Griffiths: Irrationality and Skill among British	
	Fruit Machine Players	140
	Michael Walker: Sociocognitive Theory	
	Mark Dickerson: A Union of Behavioral and	
	Cognitive Principles	151
	R. I. F. Brown: Social Learning or Modeling Theory	
	Glenn Walters: Gambling Lifestyle Theory	
	Critique of Behavioral-Cognitive Theory	
8.	CONCLUDING SUMMARY	162
	Psychoanalytic Approaches to Gambling	162
	Personality and Gambling	
	Behavioral Psychological Approaches to Gambling	
	Cognitive-Behavioral Approaches to Gambling	
	Cognitive-Behavioral Theorists	
Appei	ndix A. Summary of Findings in Psychometric Research	175
	ndix B. Summary of Etiological Theories of Gambling	
Notes		195
Refere	nces	213
Index		941

# THE PSYCHODYNAMICS AND PSYCHOLOGY OF GAMBLING

#### INTRODUCTION TO THE SERIES

Why do some continue to gamble even when they consistently lose more than they win? Why do some continue to gamble even when they have lost everything they have? Many theories have been proposed by various clinicians, laboratory and field researchers, and participant observers in their attempts to discover and explain the reasons for gambling. This series of books was written to review and evaluate the most popular and influential of these explanations and the extensive amount of research that has been undertaken to test them.

Gambling, according to most definitions, means risking something of value on the unknown outcome of some future event. The ultimate goal-or, more accurately, the ultimate hope-of gambling is to realize a value greater than that risked. When we hear the word most of us think of a friendly (or not so friendly) poker game, or of betting on competitive events like horse racing or football games, or of casino games like roulette, blackjack, and slot machines. However, gambling also has other guises. Any speculative business venture, commodities investment, or insurance purchase is just as much a "crap shoot" as playing the dice tables in Las Vegas. Historical and archaeological records provide ample evidence that gambling has also been popular throughout the world for a very long time. Almost since the dawn of human existence people have gambled for the possessions of their dead, for the possessions of their living friends and relatives, to settle legal disputes and establish rights to various resources, and on the outcome of athletic contests and other competitive events.

Gambling is increasingly being recognized by national and local governments throughout the United States and the world as an effective means of generating revenues. Whereas most gambling activities were unlawful in many states and countries until quite recently, many forms of gambling are now becoming accepted and, as a result, national trends toward the legalization of gambling in one form or another are on the rise. Not only has "lottery fever" swept many nations, but many are also allowing on- and off-track parimutuel betting, video gambling machines, and other forms of lawful gambling. In the United States, as some of the states along the Mississippi River and other major waterways began to legalize riverboat gambling as it existed in the nineteenth century, others quickly followed suit. Indian reservations across the country and rural communities in such states as Colorado and South Dakota are now offering Las Vegas, Atlantic City, and even Monte Carlo some stiff competition for the tourist's discretionary income.

Many specialists are convinced that as opportunities for gambling continue to increase, so will the problems associated

with it. Salient among these potential problems is the anticipated increase in the incidence of excessive or problem gambling which is commonly referred to as *compulsive* or *pathological gambling*. Whether one considers pathological gambling to be an individual, social, or public health problem, it is one that must be confronted if it is to be prevented and treated. To do so effectively will of course require a thorough understanding of the phenomenon. Unfortunately, with our currently limited knowledge of the mechanisms and motivations underlying gambling, we have a long way to go before achieving this goal.

While our current understanding of the causes of pathological gambling is insufficient, its ramifications are well known. It can have disastrous consequences not only for the individual, but also for his or her immediate family, employer, and society. Among its most well-known consequences are the calamitous losses and severe personal and family debts it can cause. Individual debts for pathological gamblers seeking help have been reported to average from about \$53,000 to \$92,000.1 Considered together, the sum of individual gambling debts can be extraordinary. One estimate placed the annual debt accrued by pathological gamblers in New Jersey alone at \$514 million.<sup>2</sup> The debt levels of many pathological gamblers can become so high at the individual level that the stress and depression they produce can cause actual physical ailments that require medical treatment. At the domestic level pathological gambling and its consequences can disrupt home life to such an extent that it causes the breakup of families. In its more advanced stages pathological gambling frequently results in absenteeism and loss of productivity on the job. Eventually the need for gambling money can lead to such crimes as theft, embezzlement, insurance fraud, and other kinds of illegal activities. In its final stages the only apparent course of action remaining is all too often suicide.<sup>3</sup>

Because gambling usually involves money, many people believe that therein lies the answer to its attraction and popularitythat this motivation alone explains why people gamble. People are thought to gamble in the hope of winning money they don't already have, of winning more money than they already have, or, in the case of insurance, of protecting what money they already have. But is acquisitiveness really the only reason for gambling? While many card games are played for money, many people play these same games purely for enjoyment or as an opportunity to socialize with friends and relatives, often with no money involved. While many adults become mesmerized by the electronic gambling games they play in casinos in hopes of winning money, countless children and adolescents become equally mesmerized by electronic video games in public arcades and on home computers that are played for amusement only. Technically, friendly card parties and children's video games do not constitute gambling since they do not involve money, but they certainly have many other elements in common with gambling. On the other hand, many risky behaviors like sky-diving, auto racing, Russian roulette, motorcycle jumping, and driving while intoxicated do not involve money but they certainly constitute gambling. There may very well be more to gambling than just the prospect of monetary gain.

A number of competing theories have been proposed by various psychiatrists, psychologists, sociologists, economists, anthropologists, and laypeople in their attempts to explain the "real" motivations for gambling. A number of the more popular and influential of these approaches will be reviewed in this series. Theories, it will be seen, are often little more than opinions, and nearly everyone who studies gambling behavior has a favored opinion. It will be clear that many of those that have been advanced are frequently little more than the standard, stock-intrade ideologically inspired answers that specialists in various disciplines typically call upon to explain all behavioral phenomena. Thus, in the past and sometimes even today it has generally been assumed that all instances of gambling-normal and pathological-have the same underlying cause irrespective of individual preferences. Many authorities have even proposed single, monolithic explanations to account for excessive or uncontrolled behaviors of all kinds, and a number of the approaches that will be discussed reflect this tendency toward "grand theorizing." It should be obvious that some of these theories may, indeed, offer some insights into certain instances of gambling behavior while the utility of others may be extremely limited. Most importantly, however, since the individual motivations for gambling appear to be so many and varied, it should also be obvious that no single theoretical approach, despite the most fervent aspirations, proselytizations, and diatribes of its adherents, will ever be able to account for all cases.

#### A QUESTION OF MORALS?

The earliest theoretical approach viewed drinking, drug use, and gambling from a moral perspective.<sup>4</sup> Throughout most of human history the social mores, religious doctrines, and ethical standards of a society have provided the only criteria by which to gauge the behavior of its members. Islamic tradition forbade drinking alcohol and gambling at the same time since both were regarded as tools of Satan. In India the great spiritual leader Mahatma Ghandi also com-

pared the habit of gambling to that of drinking: it is a vice that destroys men's souls and makes them a burden on the earth. Similar views have a long standing in the Western cultural and Judeo-Christian religious traditions. Aristotle himself equated gamblers with thieves and plunderers in his treatise on ethics. In describing those who take what they are not entitled to he wrote:

meanness is not the term we apply to those who operate in this way on a grand scalehigh and mighty persons, for example who sack cities and plunder temples. Such we prefer to call wicked or impious and unrighteous. But the dicer, the thief, the footpad may be reckoned among the mean, because their own hope is to turn a dishonest penny. That is why they labour in their vocation regardless of the world's reproach; the thieves running the greatest risk for the sake of the haul, the gamblers by skinning their friends, who ought rather to benefit by their connexion. Both sorts are unscrupulous profit-hunters, looking to the main chance in discreditable circumstances.<sup>6</sup>

In fourteenth-century England Geoffrey Chaucer's Pardoner condemned gambling

... the very mother of all lies,
And of deceit, and cursed false swearing,
Blasphemy of Christ, manslaughter, and
waste also
Of property and of time; and furthermore,
It is shameful and dishonorable

To be known as a common gambler.<sup>7</sup>

In the American colonies Cotton Mather censured gambling as "unquestionably immoral and, as such, displeasing to God."8 Despite a remarkable lack of any concrete evidence, both legal and illegal forms of gambling in the modern United States are commonly believed to be under the firm control of vast organized criminal networks. According to a sociologist who has thor-