NICOTINE, CAFFEINE AND SOCIAL DRINKING

Behaviour and Brain Function

Edited by

Jan SNEL
University of Amsterdam, The Netherlands

and

Monicque M. LORIST
University of Groningen, The Netherlands
CONTENTS

Preface vii
Notes on Contributors ix

Part I — Nicotine 1

ONE Pharmacokinetics and Pharmacodynamics of Nicotine 3
Jacques Le Houezec

TWO Effects of Nicotine on Human Performance 21
Walter S. Pritchard and John H. Robinson

THREE Nicotinic and Non-Nicotinic Aspects of Smoking: Motivation and Behavioural Effects 83
Karl Bättig

FOUR Functional Utility of Nicotine: Arousal, Mood and Performance 115
Verner J. Knott, Anne Harr and Stacey Lusk-Mikkelsen

FIVE Nicotine and the Situation X Trait Adaptive Response (STAR) Model: Emotional States and Information Processing 131
David G. Gilbert and Brenda O. Gilbert

Part II — Coffee and Caffeine 151

SIX Pharmacokinetics and Metabolism of Caffeine 153
Maurice J. Arnaud

SEVEN Caffeine and Human Performance 167
Odin van der Stelt and Jan Snel

EIGHT Caffeine and Information Processing in Man 185
Monicque M. Lorist

NINE Caffeine, Morning-Evening Type and Coffee Odour: Attention, Memory Search and Visual Event Related Potentials 201
Adriaan Kole, Jan Snel and Monicque M. Lorist

TEN Effects of Caffeine on Attention: Low Levels of Arousal 215
Andrew P. Smith
Contents

ELEVEN Coffee Consumption and Subjective Health: Interrelations with Tobacco and Alcohol
Ronald A. Knibbe and Ypie T. De Haan

TWELVE Caffeine, Nicotine and Attentional Performance
David M. Warburton

Part III — Social Drinking

THIRTEEN Pharmacokinetic and Pharmacogenetic Aspects of Alcohol
Dharam P. Agarwal

FOURTEEN Acute Effects of Alcohol Revealed by Event Related Potentials
Werner Sommer and Hartmut Leuthold

FIFTEEN Acute and Chronic Effects of Social Drinking: Event Related Potentials and Quantified EEG
Nancy E. Noldy

SIXTEEN Selective Attention and Event Related Potentials in Young and Old Social Drinkers
Elly Zeef, Jan Snel and Bertie M. Maritz

SEVENTEEN Social Drinking, Memory and Information Processing
Jennifer M. Nichols and Frances Martin

EIGHTEEN Limited Alcohol Consumption and Complex Task Performance
Siegfried Streufert and Rosanne Pogash

NINETEEN Cognition in Social Drinkers: The Interaction of Alcohol with Nicotine and Caffeine
Robert O. Pihl, Jean-Marc Assaad and Kenneth R. Bruce

TWENTY Effects of Caffeine, Nicotine and Alcohol on Vigilance Performance
Harry S. Koelega

References

Subject Index

Author Index