

TABLE OF CONTENTS

PLENARY SESSION

In Memoriam: Stanley L. Wallenstein. Ph.D. - 1921 - 1996 <i>R. W. Houde</i>	1
College on Problems of Drug Dependence Presidential Address 1996: Inhalant Abuse, Forgotten Drug Abuse Problem <i>R. L. Balster</i>	3
The National Institute on Drug Abuse: Changes, Challenges, and Opportunities in 1996 <i>A. I. Leshner</i>	9
Introduction of the Nathan B. Eddy Memorial Award Recipient <i>J. H. Jaffe</i>	14
Lunch with Dr. Kerr: Nathan B. Eddy Award Lecture <i>G. Edwards</i>	17

SYMPOSIUM I

Using Molecular Biological Tools to Explore Behavior <i>L. Erinoff and L. Gold, Chairpersons</i>	28
--	-----------

SYMPOSIUM II

Drugs of Abuse and the Immune System <i>T. K. Eisenstein and B. Sharp, Chairpersons</i>	31
---	-----------

SYMPOSIUM III

Marijuana Use: Basic Mechanisms, Epidemiology, Natural History, and Clinical Issues <i>A. J. Budney and D. B. Kandel, Chairpersons</i>	35
--	-----------

SYMPOSIUM IV

Motivational Aspects of Drug Abuse <i>C. W. Schindler and S. R. Goldberg, Chairpersons</i>	38
--	-----------

SYMPOSIUM V

Excitatory Amino Acids in Stimulant Abuse and AIDS Dementia <i>T. Kosten, Chairperson</i>	41
---	-----------

SYMPOSIUM VI

Agonist Efficacy, Drug Dependence, and Medications Development
J. Bergman and C. P. France, Chairpersons..... 44

SYMPOSIUM VII

Drugs of Abuse and Gender Differences
D. Hatsukami and C. L. Wetherington, Chairpersons 48

SYMPOSIUM VIII

Presynaptic and Postsynaptic Neurochemical Alterations in Human Psychostimulant Abusers
J. Staley and Y. Hurd, Chairpersons..... 51

SYMPOSIUM IX

Antibody and Protein Based Therapies for Drug Abuse
M. Owens and P. Pentel, Chairpersons..... 54

SYMPOSIUM X

Prevalence, Projections and Policy
P. Reuter, Chairperson.....56

SYMPOSIUM XI

Behavioral and Pharmacological Interventions for Pregnant Substance Abusers
L. Amass and R. Elk, Chairpersons..... 59

SYMPOSIUM XII

Mechanisms of Abused Drugs: Concordance Between Laboratory Animal and Human Studies
K. L. Preston and L. A. Dykstra, Chairpersons..... 62

ORAL COMMUNICATIONS I

Nicotine: Laboratory and Clinical Studies..... 65

ORAL COMMUNICATIONS II

Analgesia: Opioids and Cannabinoids..... 69

ORAL COMMUNICATIONS III

Contingency Management of Cocaine Dependency..... 74

ORAL COMMUNICATIONS IV
Molecular Biological Studies Related to Opioids and Stimulants 78

ORAL COMMUNICATIONS V
Drug Discrimination: Cocaine and Hallucinogens 80

ORAL COMMUNICATIONS VI
Opioid Tolerance and Physical Dependence 84

ORAL COMMUNICATIONS VII
Cocaine Antagonists: DAT and Antibody-Directed Compounds 87

ORAL COMMUNICATIONS VIII
HIV, Hepatitis B and C 93

ORAL COMMUNICATIONS IX
Drug Discrimination and Self-administration 94

ORAL COMMUNICATIONS X
Novel Opioids and Cannabinoids 98

ORAL COMMUNICATIONS XI
Immune System: Opioids and Cocaine 103

ORAL COMMUNICATIONS XII
Cannabinoids 107

ORAL COMMUNICATIONS XIII
Women and Substance Abuse 111

ORAL COMMUNICATIONS XIV
**Dopamine and Kappa Opioid Receptors: Relationship to Cocaine
Effects 113**

ORAL COMMUNICATIONS XV
Imaging 116

ORAL COMMUNICATIONS XVI
Alcohol, Sedative-Hypnotics 121

ORAL COMMUNICATIONS XVII
Drug Dependency: Psychiatric Comorbidity124

ORAL COMMUNICATIONS XVIII
Drug Dependency: Perinatal Issues.....128

ORAL COMMUNICATIONS XIX
Adolescents and Substance Abuse.....132

ORAL COMMUNICATIONS XX
Clinical Pharmacology of Opioids and Cocaine.....136

ORAL COMMUNICATIONS XXI
Buprenorphine and LAAM: Treatment of Opiate Addiction.....141

ORAL COMMUNICATIONS XXII
Screening and Epidemiology of Alcohol and Stimulant Abuse.....144

POSTER SESSION I-A.....148

Neurobiology

Opioids: Chemistry, G-Proteins, Metabolism

Opioid Receptors: Biochemical and Physiological Pharmacology

Behavioral Pharmacology

**Stimulants: Metabolism, Physiological and Behavioral Effects, Craving,
Treatment of Dependence**

POSTER SESSION I-B.....188

HIV/AIDS

Medical Complications of Drug Abuse

Substances of Abuse and Immune Function

Cannabinoids

Nicotine

PCP/NMDA/Ibogaine

Comorbidity of Substance Abuse and Psychiatric Disorders

Impulsivity, Aggression, Anger

POSTER SESSION II-A.....227

Stimulants: Dopamine and Serotonin Systems

Inhalants, Sedative-Hypnotics, Alcohol

Drug Testing

Substance Abuse and Pregnancy

Adolescent Substance Abuse

POSTER SESSION II-B268

**Gender and Age Factors in Substance Abuse
Risk Factors for Substance Abuse
Opioid Tolerance, Dependence and Treatment
Polydrug Abuse**

**The History and Current Activities of the Drug Evaluation Committee
(DEC) of the College on Problems of Drug Dependence (CPDD)
A. E. Jacobson314**

ANNUAL REPORTS

**Biological Evaluation of Compounds for Their Physical Dependence Potential
and Abuse Liability. II. Drug Evaluation Committee of the College on
Problems of Drug Dependence (1996)
A. E. Jacobson323**

**Dependence Studies of New Compounds in the Rhesus Monkey, Rat and
Mouse (1996)
M. D. Aceto, E. R. Bowman; L. S. Harris; and E. L. May..... 338**

**Evaluation of New Compounds for Opioid Activity (1996)
*J. H. Woods; F. Medzhradsky; C. B. Smith; E. R. Butelman; and
Gail Winger*.....396**

AUTHOR INDEX421

SUBJECT INDEX