

# SFST and Drug Evaluation and Classification

MATT Conference  
Dayton, Ohio



# SFST

is a three stage process

- Identify impairment
- Attempt to determine if impairment is medically related
- Determine if the impairment is possibly due to alcohol

# Three tests in SFSTs

- Horizontal Gaze Nystagmus
- 9 step Walk and turn
  - Instruction stage
  - Performance stage
- One leg stand
  - Instruction stage
  - Balance and counting stage

# Fact

- University of Tennessee found 40% of crash-injured drivers had drugs other than alcohol in them.
- The Maryland Shock Trauma Center found nearly one-third of crash-injured drivers had recently used Marijuana.



TruHealth is committed to helping you stay healthy.

# Drug Evaluation and Classification

- Blood alcohol does not match impairment
- Determine if impairment is due to medical condition
- Conduct exam to determine if impairment is due to some type of drug

# What is a “drug”?





# Working Definition of "Drug"

Any substance which, when taken into the human body, can impair the ability of the person to operate a vehicle safely.

# Twelve step process

- Breath test
- Interview of officer
- Preliminary examination, 1<sup>st</sup> pulse
- Eye Examinations
- Divided attention tests
- Vital signs, 2nd pulse
- Dark room exam
- Muscle tone, 3rd pulse
- Injection sites
- Suspect statements
- Opinion of the evaluator
- Toxicology verification



# Central Nervous System Depressants

- Alcohol
- Rohypnol
- Valium/Xanax
- GHB - Gama Hydroxy Butyrate



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# Indicators of CNS Depressants Influence

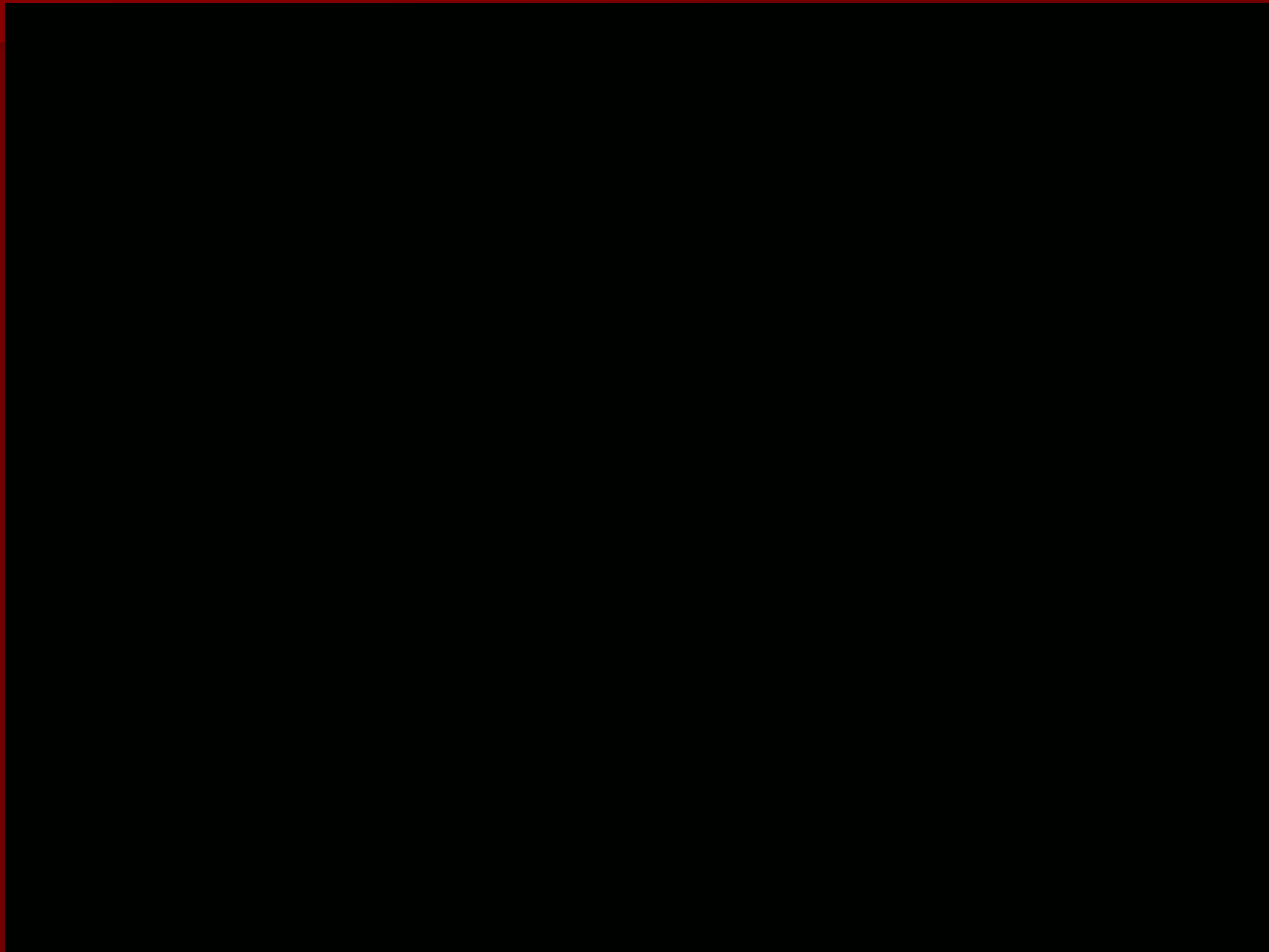
## General Indicators

- Drunken behavior and appearance
- Uncoordinated
- Drowsy
- Sluggish
- Disoriented
- Thick, slurred speech

## Eye Indicators

- Horizontal Gaze Nystagmus
- Possibly Vertical Nystagmus
- Pupil size generally normal (but dilated by Methaqualone and Soma)

# Horizontal Gaze Nystagmus



# Central Nervous System Stimulants

Cocaine

Amphetamines

Others





# Indicators of CNS Stimulant Influence

## General Indicators

- Restlessness, Excitation
- Talkative
- Euphoria
- Exaggerated Reflexes
- Anxiety
- Grinding Teeth
- Redness to Nasal Area
- Runny Nose
- Body Tremors

## Eye Indicators

- No Nystagmus
- Pupils will be noticeably dilated

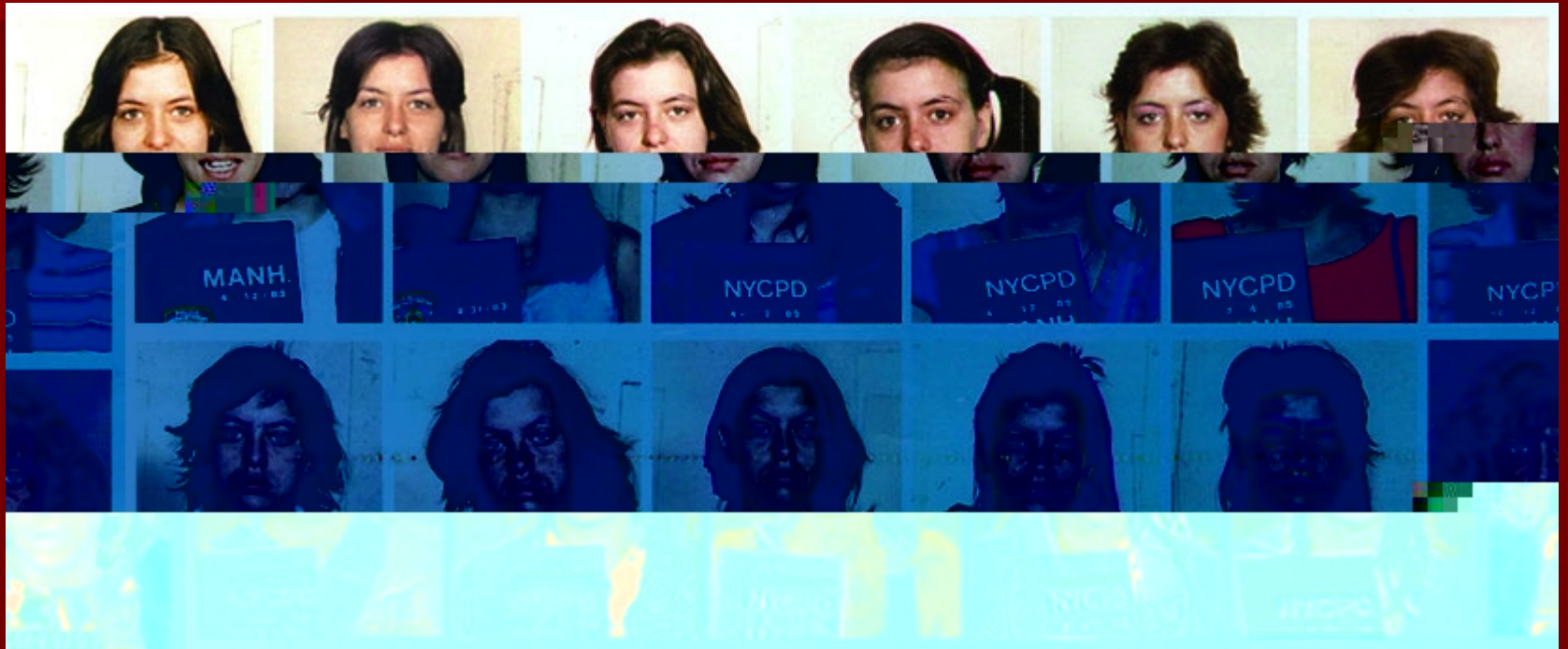


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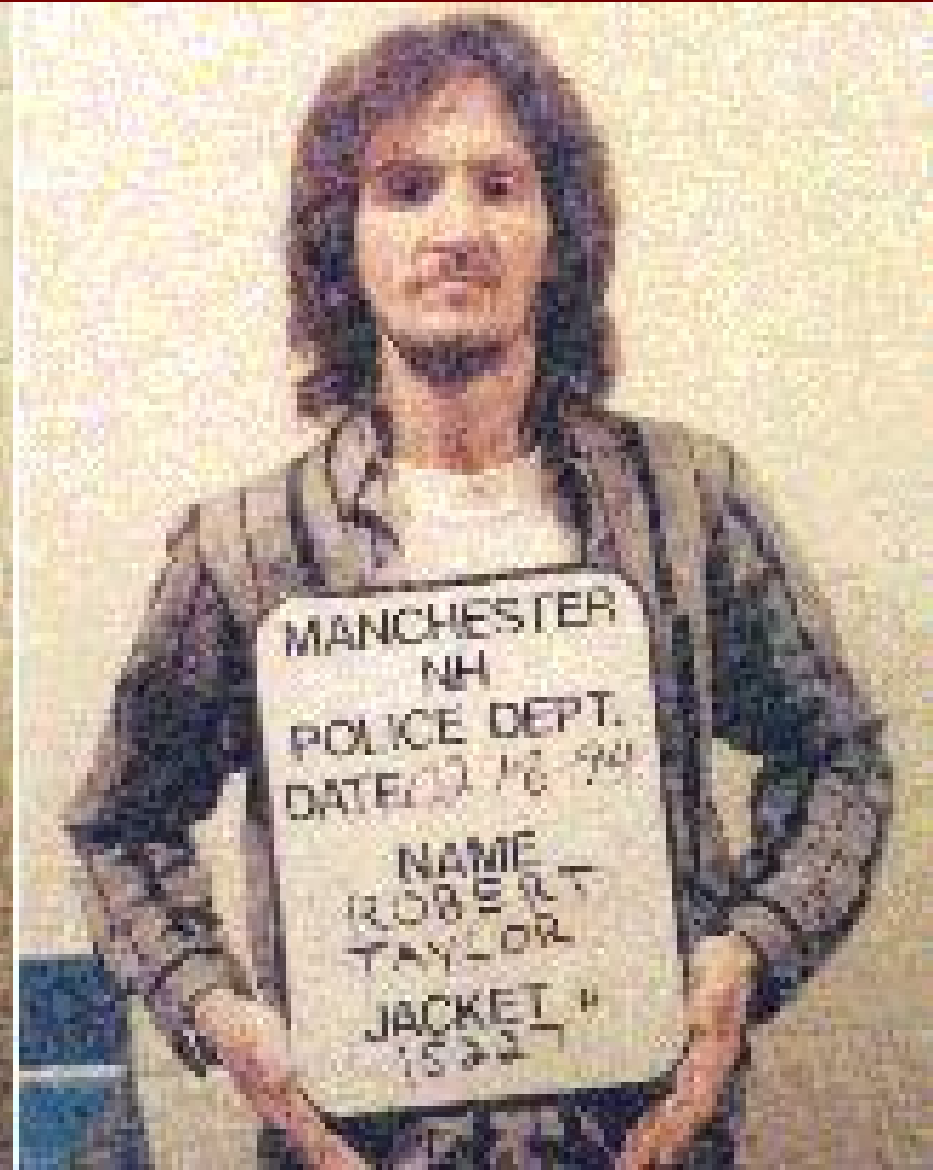
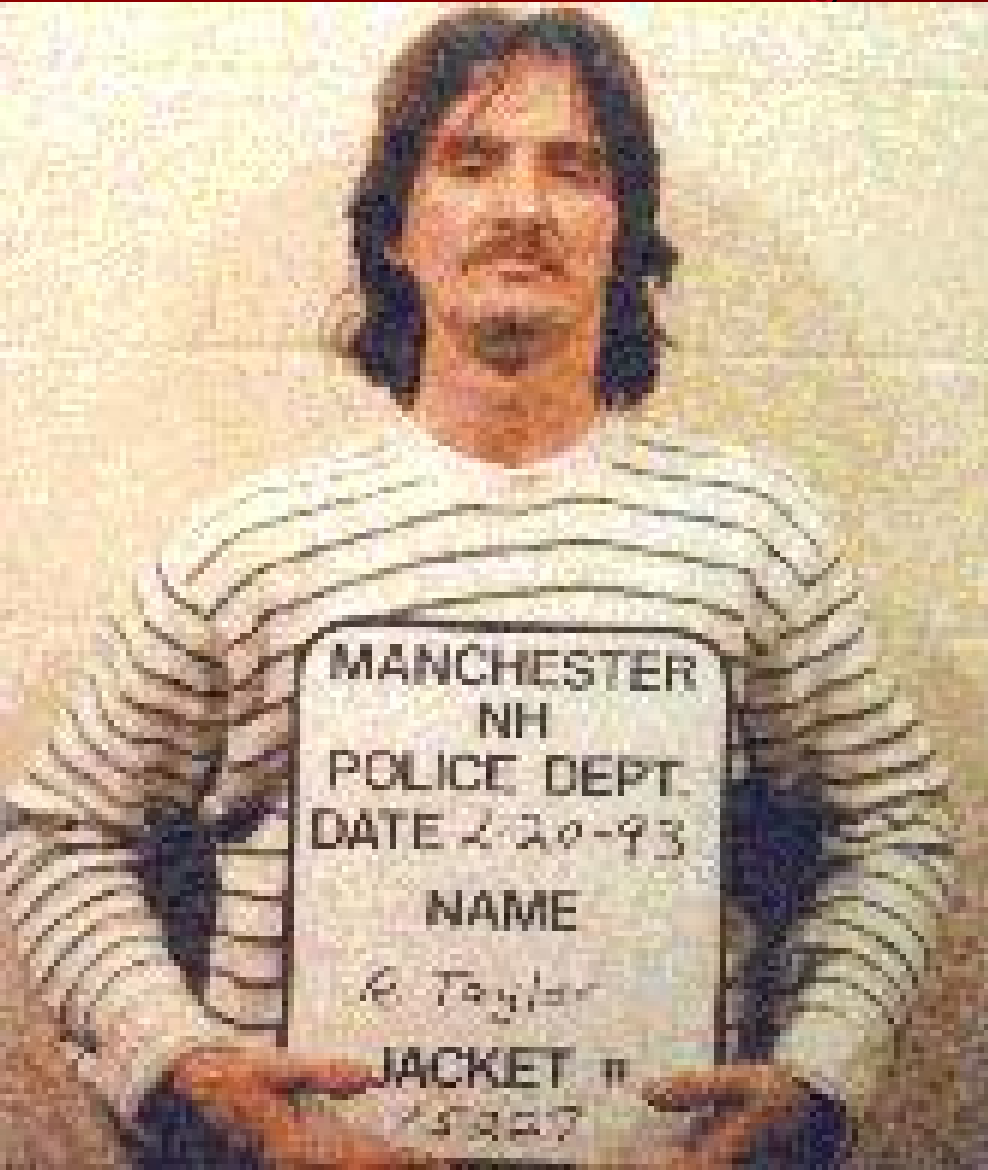
# Dilated Pupils





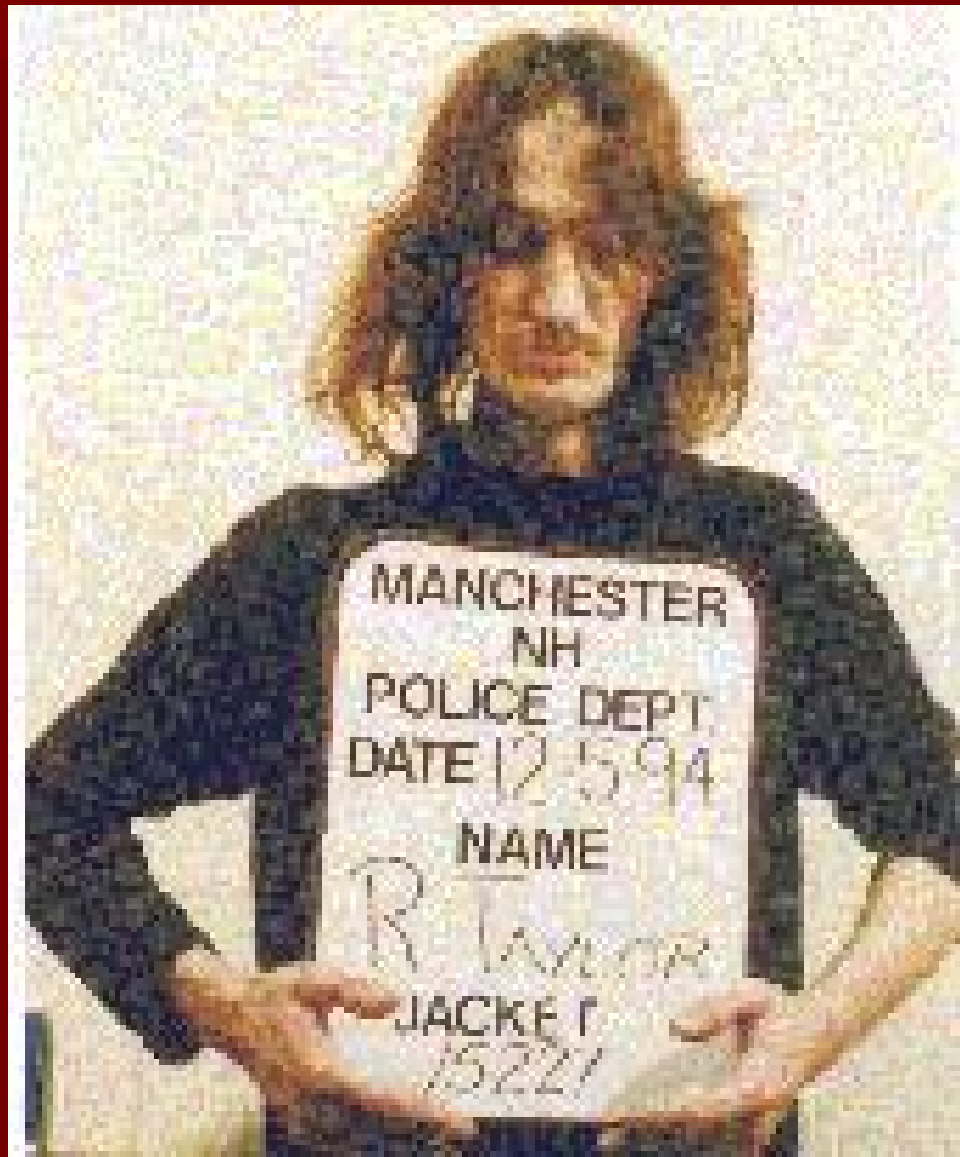
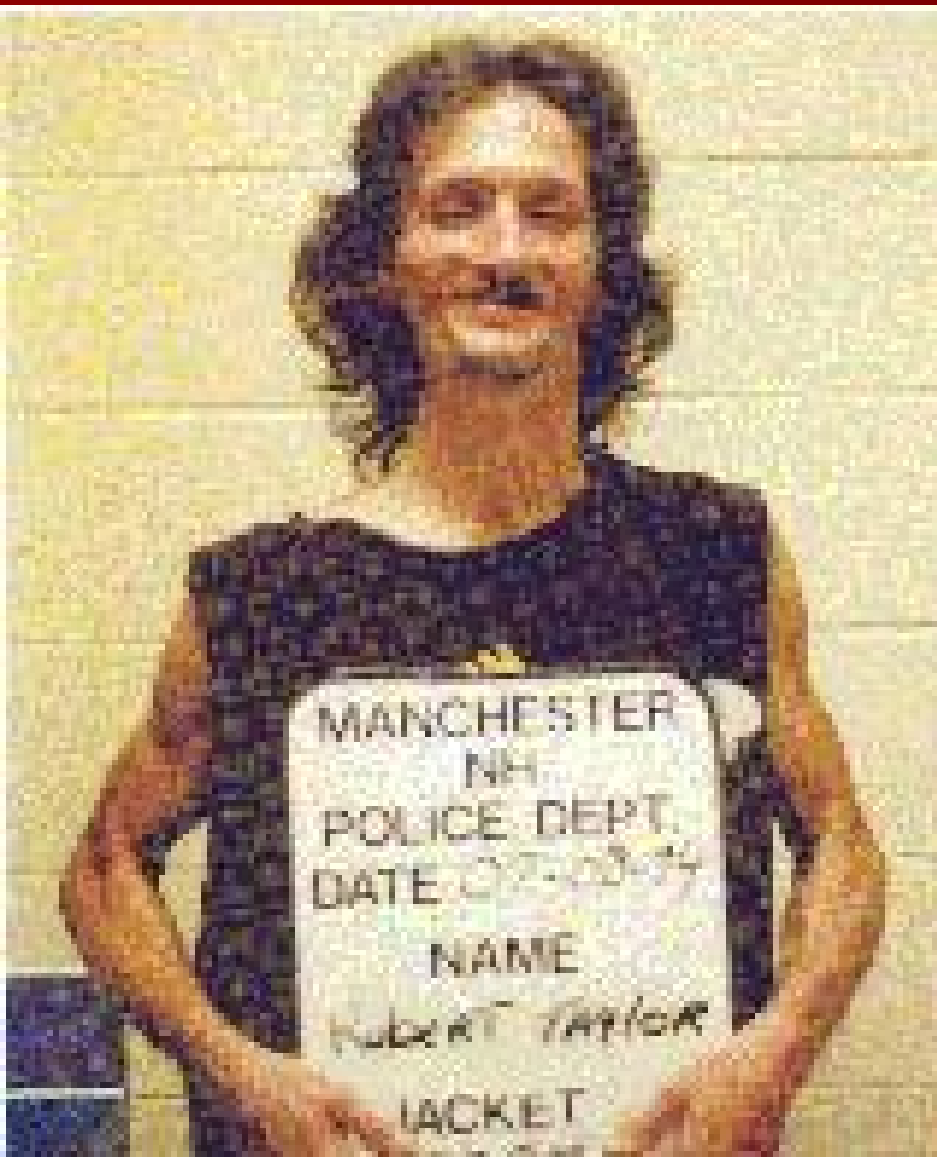
# D-Methamphetamine

## Long Term Effects



# D-Methamphetamine

## Long Term Effects





# Hallucinogens

- Naturally occurring

- Peyote
- Psilocybin
- Bufotanine

- Synthetics

- LSD
- MDMA (Ecstasy)
- MDA





# Synesthesia

A Transposition of Senses

“Seeing Sounds”  
“Hearing Colors”





# Indicators of Hallucinogen Abuse

## General Indicators

- Hallucinations
- Dazed Appearance
- Disoriented, Uncoordinated
- Body Tremors
- Perspiring
- Paranoia
- Difficulty in Speech
- Nausea
- Piloerection (goose bumps)

## Eye Indicators

- No Nystagmus
- Pupils will be noticeably dilated



# Disassociative Anesthetics





# Indicators of PCP Influence

## General Indicators

- Warm to the Touch
- Perspiring
- Blank Stare
- Repetitive Speech
- Incomplete Verbal Responses
- Confused
- Muscle Rigidity
- Possibly Violent and Combative

## Eye Indicators

- Horizontal Gaze Nystagmus often with Very Early Onset
- Pupils Size Generally Normal





# Narcotic Analgesic

## ■ Naturally occurring

- Morphine
  - Heroin
- Codeine
  - Vicodin
- Thebaine
  - Oxycontin

## ■ Synthetic

- Demoral
- Fentanyl
- Methadone
- Darvon

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# Indicators of Narcotic Analgesics Influence

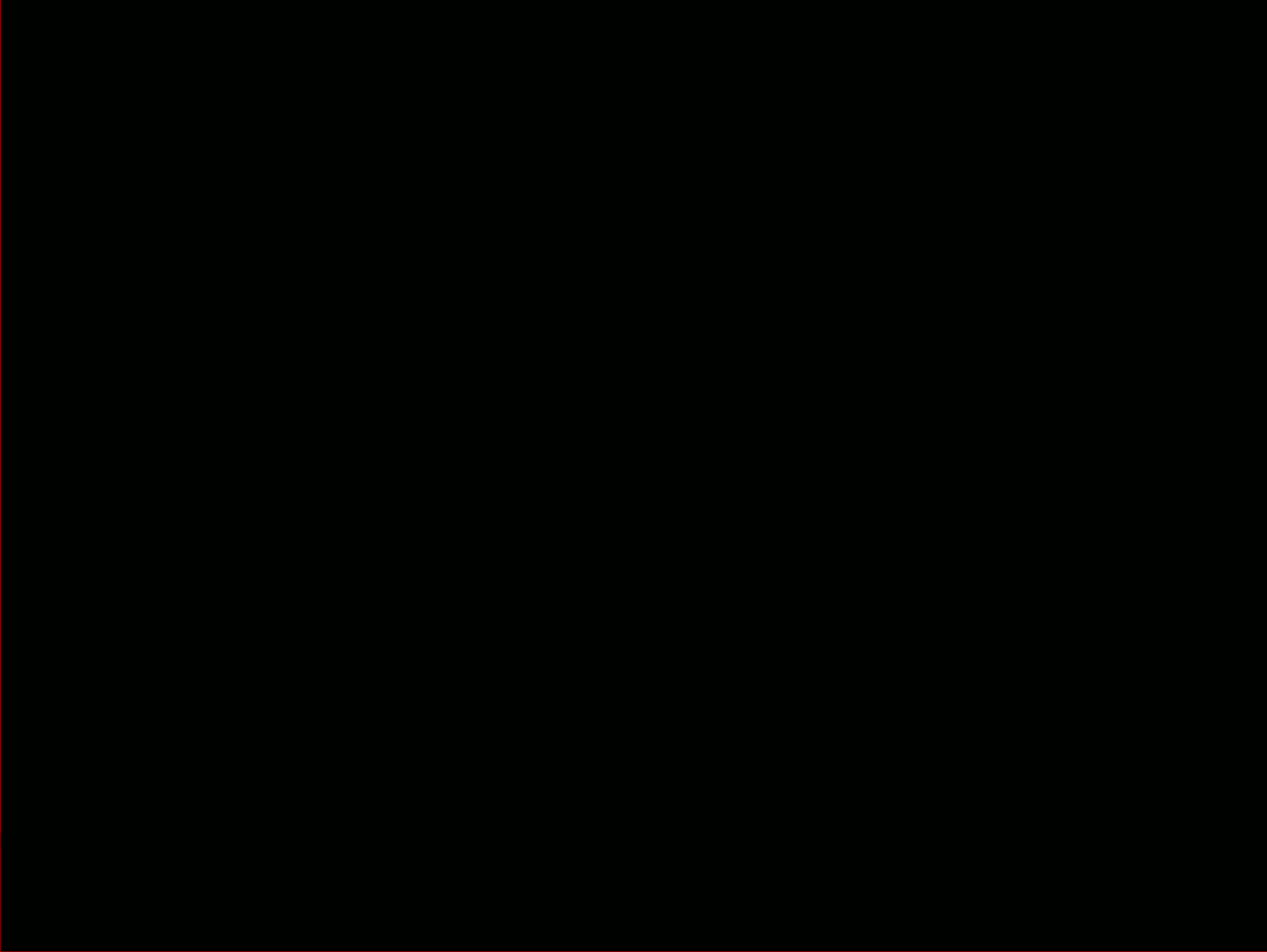
## General Indicators

- "On the Nod"
- Droopy Eyelids
- Depressed Reflexes
- Dry Mouth
- Facial Itching
- Low, Raspy Speech
- Possible Puncture Marks, "Tracks"

## Eye Indicators

- No Nystagmus
- Pupils will be severely constricted

# Constricted Pupils



# Inhalants

Aerosols



Volatile  
Solvents

Anesthetic  
Gases







[planetvids.com](http://planetvids.com)

# Indicators of Inhalant Influence

## General Indicators

- Disorientation
- Slurred Speech
- Residue of Substance on Face, Hands, Clothing
- Confusion
- Possible Nausea

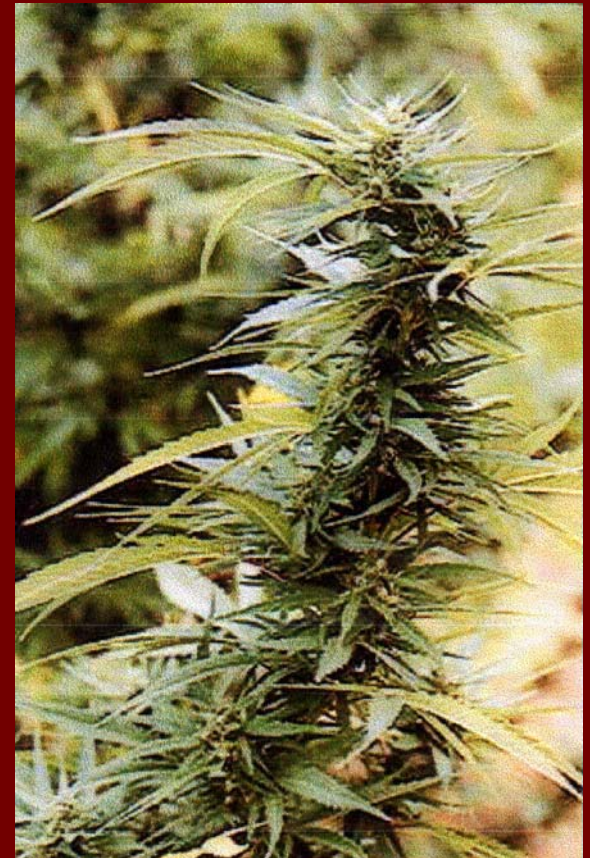
## Eye Indicators

- Horizontal Gaze Nystagmus usually will be present
- Vertical Nystagmus may be present
- Pupil size generally normal



# Cannabis

- Marijuana
- Hashish
- Hash Oil
- Marinol







More funny pictures at [www.afunworld.com](http://www.afunworld.com)

Unreg. Adult Version

planetwide.com



# Indicators of Cannabis Influence

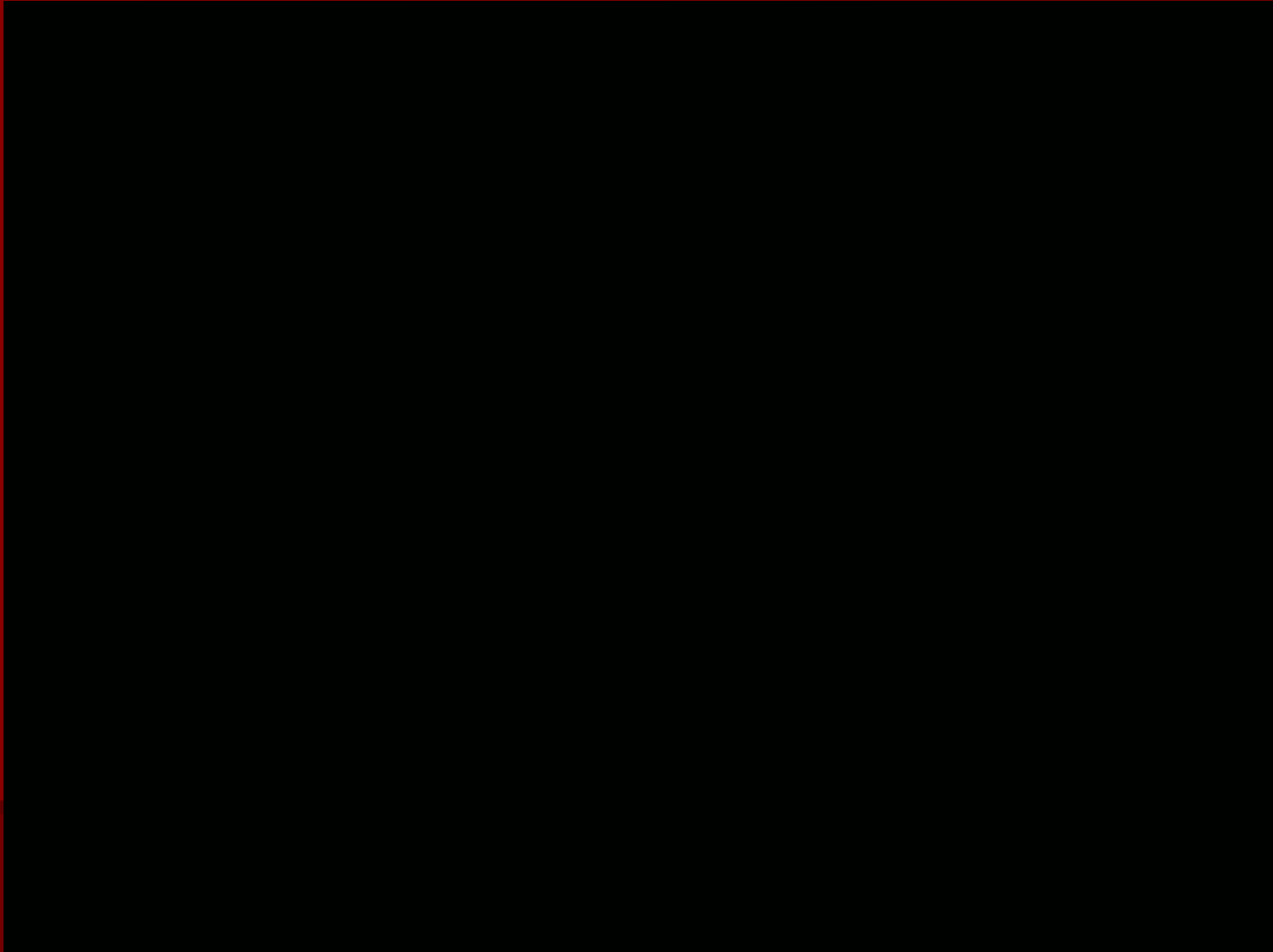
## General Indicators

- Very bloodshot eyes, with pronounced veins in the eyeballs
- Body Tremors
- Odor of Marijuana
- Disoriented
- Relaxed Inhibitions
- Difficulty in Dividing Attention

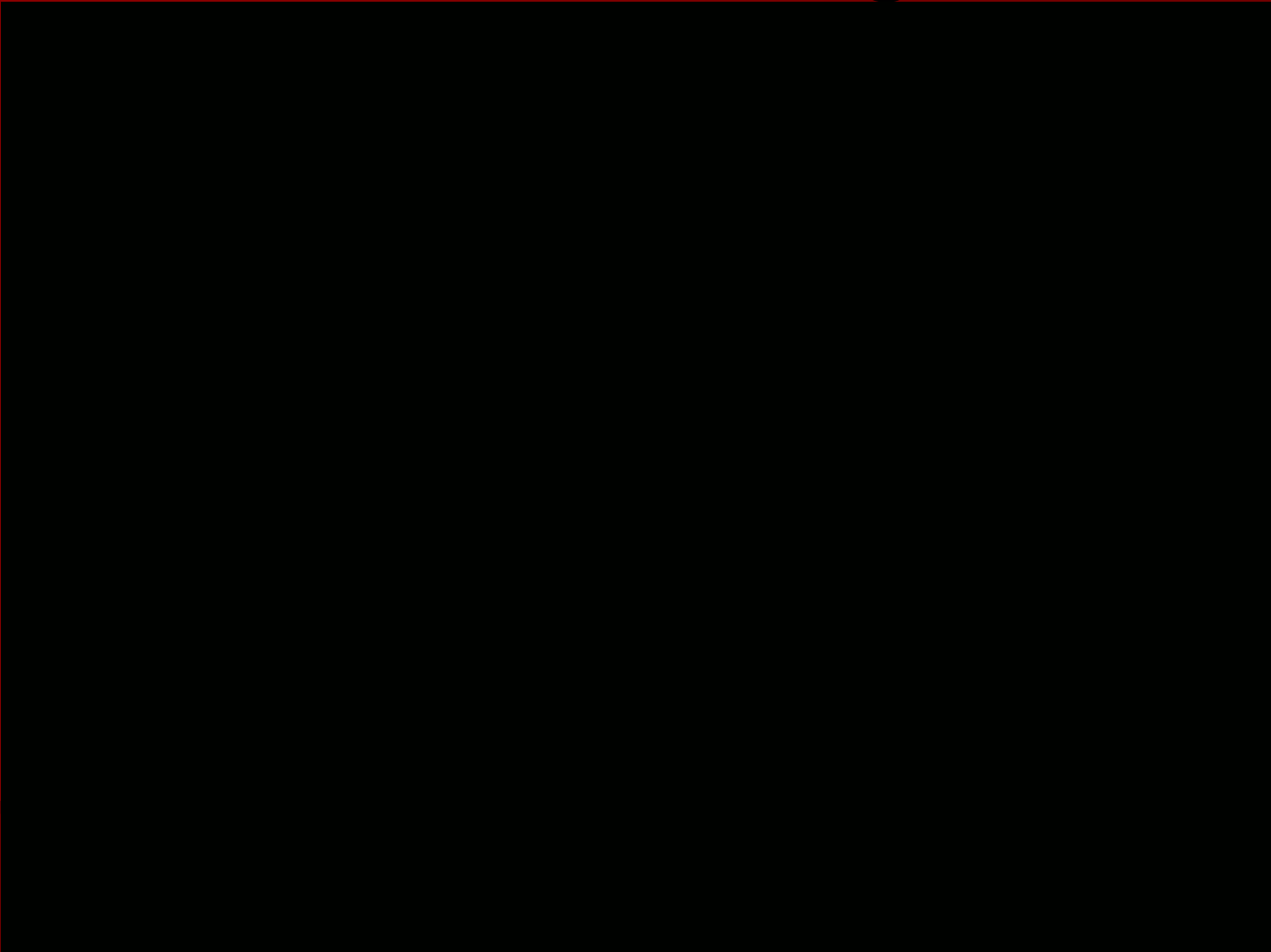
## Eye Indicators

- No Nystagmus
- Pupil size usually will be dilated - but may be normal

# Eyelid tremors



# Lack of convergence







# Joseph Turner

## ■ Indiana Law Enforcement Academy

- Office 317 837-3297
- Email [jturner@ilea.in.gov](mailto:jturner@ilea.in.gov)
  
- Home
- Cell 765 730-4254
- Email [rncop295@aol.com](mailto:rncop295@aol.com)