



# Army Substance Abuse Program

**Fort Jackson, S.C.**



# **ARMY SUBSTANCE ABUSE PROGRAM (ASAP)**

## **Civilian Employee Prevention and Training Part Four**

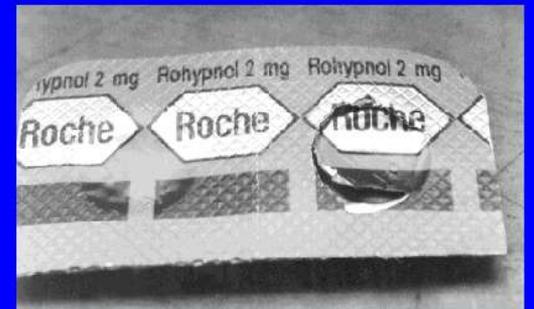
# CLUB DRUGS



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# ***RAVE CULTURE***

- **The “Rave” scene began as a subculture in England circa 1980, and has since migrated into mainstream culture throughout the United States.**

# **Rave Culture In The US**

- **All-night Dance or Party**
- **2 Types of Raves**
  - **Secretive: warehouses, deserts, woods, etc.**
  - **Commercialized: typically held in established clubs**

# **Rave Culture In The US**

- **Extremely loud “Techno” music/dancing**
- **Lighting and visual stimuli: lasers, video screens, etc...**
- **14-25 age group**
- **Alcohol-free environment**
- **Escapist culture**
- **Club drugs: bought, sold, consumed**

# RAVE PARAPHERNALIA

- **Light Sticks** - These are used to enhance the visual experience while on the drugs (individuals see “trails” of light)
- **Water Bottles & Fans** - Used to prevent dehydration and increased body temperatures associated with raves
- **Pacifiers** - Rave drugs tend to cause the user to grind their teeth, the pacifier prevents this.



GLOW POP



# RAVE PARAPHERNALIA

- **Eye-drop bottles** - These are used to store the liquid form of certain drugs.
- **Dust masks/Vicks Vapo-Rub** - These are combined to enhance the effects of the designer drugs. The Vicks is placed under the nose, the mask is used to keep the rub from dissipating.

# RAVE PARAPHERNALIA

- **Caffeinated Beverages/Stimulants** - These help with exhaustion caused by the dancing and stimulant effect of the drugs.
- **Bags of Small Candies and Breath Mints** -- The drugs intended for sale are often stored in these bags.

# RAVE PARAPHERNALIA

- **The BOMB INHALER** - combines eucalyptus, menthol, and other ingredients to awaken your senses and enhance an all natural feeling of easier breathing
- **Other** - Anything with bright flashing lights or erratic movements (belly light, flashing watches, etc)

# THE CLUB DRUGS

- Ecstasy
- LSD
- Ketamine
- GHB
- Rohypnol
- Xanax
- Methamphetamine
- PCP

# ECSTASY (MDMA)

(3,4-Methylenedioxyamphetamine)

- **Street names:** “E”, “X”, XTC, Rolling, Clarity, Essence, Adam, Go, Disco Biscuit, Crystal, Hug Drug, Love Drug, Dennis the Menace, Lover’s Speed
- **Typical Use:** In its purest form Ecstasy is a crystalline powder, but is most often pressed into tablets.
  - Typically taken orally in tablet form
  - May be Snorted, Smoked, or Injected





144 Ecstasy (MDMA) Tablets  
photographer unknown



# **SIDE EFFECTS REPORTED BY MDMA USERS**

- **Anorexia**
- **Altered Sleep**
- **Fatigue**
- **Sadness, midweek blues**
- **Memory Impairment**
- **Lack of Attention and  
Concentration**

# **PHYSIOLOGICAL EFFECTS WHILE UNDER THE INFLUENCE OF MDMA**

- **Dehydration**
- **Exhaustion**
- **Hyperthermia (106 –107°F)**
- **Seizures**
- **Increased Heart Rate**
- **Kidney Failure**
- **High Blood Pressure**
- **Heart Failure**

# **SHORT TERM EFFECTS OF MDMA USE**

- **Depression**
- **Increased release of some hormones such as prolactin and cortisol**
- **Anxiety**
- **Insomnia**
- **Hostility and Aggression**
- **Flashbacks**
- **Memory Impairment**

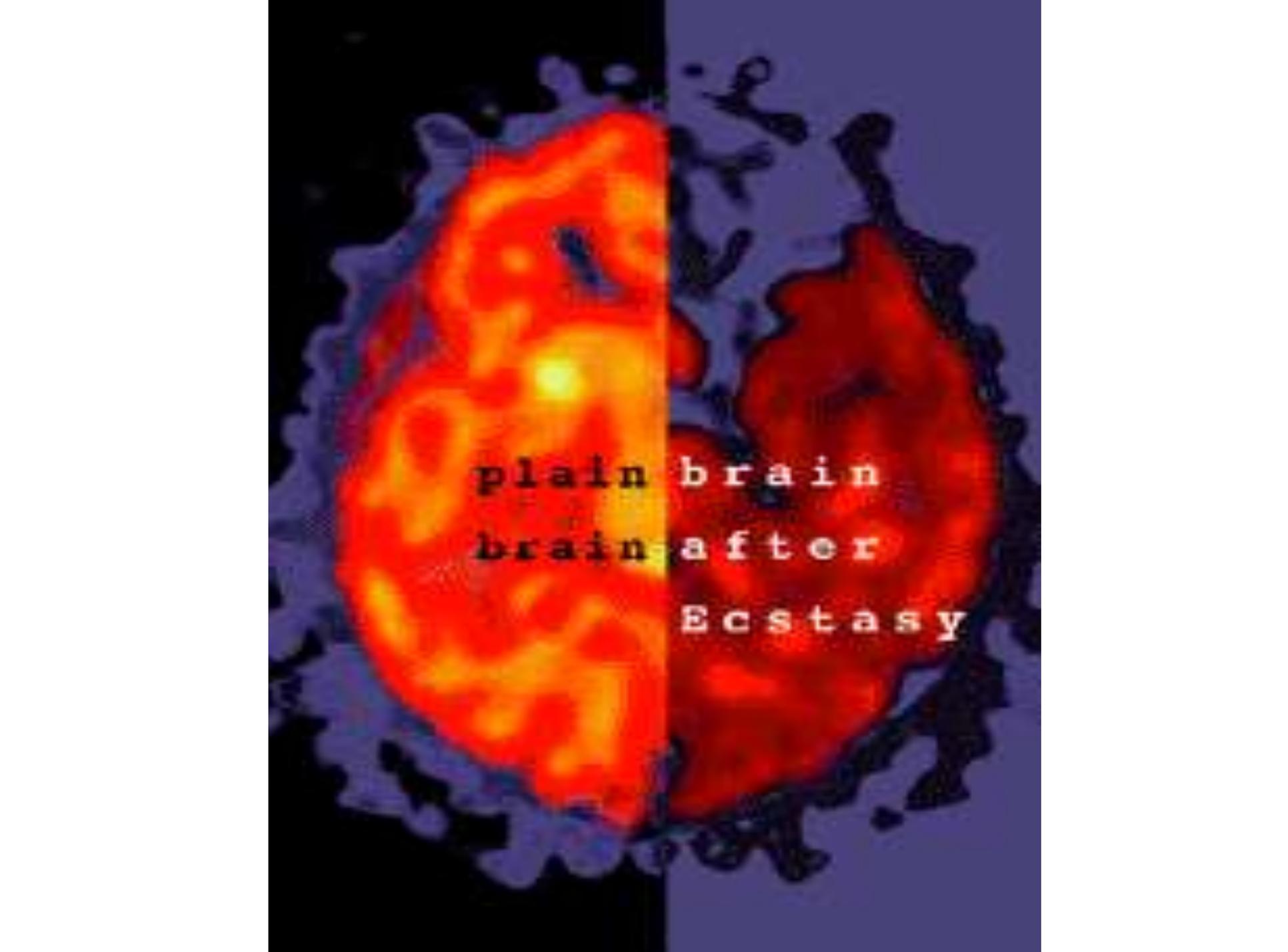
# **LONG-TERM EFFECTS OF MDMA USE**

- **Depression, Anxiety, & Altered sleep**
- **Loss of sex drive**
- **Impulsivity such as obsessive compulsive disorder**
- **Impaired working memory and recall performance**

**Note: Scientific research indicates that psychological problems associated with regular MDMA use are not reversible by prolonged abstinence**

# **BRAIN EFFECTS OF MDMA**

- **MDMA (Ecstasy)**
  - **The neurotransmitter, serotonin, modulates mood, emotion, sleep and appetite**
  - **MDMA causes a mass release of serotonin leading to the euphoric effect of the drug**
  - **MDMA results in the depletion of the body's supply of serotonin, often resulting in irreparable damage to the brain**
  - **The depletion of serotonin and the body's inability to replenish it causes depression**
  - **Depression may last over a year in some people**



plain brain  
brain after  
Ecstasy

# ***MDMA TESTING***

- ***MDMA is detectable in urine for 2-4 days after ingestion.***

# LSD

*LSD is known by hundreds of street names, some of the more universal are:*



*Hits*



*Cid*



*Tab*



*Microdots*



*Trips*



*Acid*



*Sid*



*Blotter*

# HISTORY of LSD

- 1938** While researching blood stimulants, Albert Hofmann synthesizes LSD for the first time.
- 1943** Albert Hofmann accidentally consumes LSD, the first time LSD is consumed by a human. Two days later Albert Hofmann becomes the first person to intentionally consume LSD as well.
- 1949** LSD enters the United States, and is studied in Boston and Los Angeles.



# HISTORY OF LSD (cont)

**1951** CIA becomes aware of LSD and begins experimenting with it.

**1952** The first study is published about treating depression with LSD.

**1953** Dr. Humphrey Osmond begins to use LSD to treat alcoholics.

**1962** FDA restricts LSD research, first LSD related arrests are made.

**1963** LSD is found on the streets (liquid on sugar cubes).

**1966** LSD becomes illegal in California.

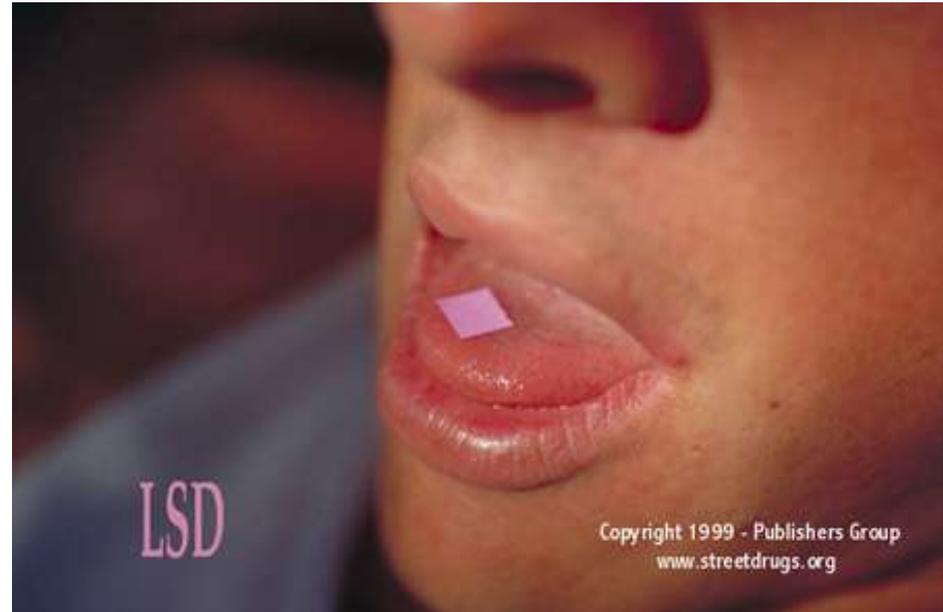
**1967** Federal government bans LSD in the U.S.

**1970** LSD is placed in Schedule 1 of the Controlled Substance Act.

# HOW IS LSD CONSUMED?



***LSD is generally taken orally, either as a pill, a piece of blotter paper (as seen on right), or via liquid dripped onto a sugar cube. LSD can also be absorbed through the users skin.***



LSD

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# PHYSICAL EFFECTS

- » ***Dilated Pupils***
- » ***Increased Body Temperature***
- » ***Increased Heart Rate***
- » ***Increased Blood Pressure***
- » ***Extreme Sweating***
- » ***Loss of Appetite***

- » ***Sleeplessness***
- » ***Dry Mouth***
- » ***Tremors***
- » ***Nausea***
- » ***Loss of Motor Skills***
- » ***Loss of Coordination***
- » ***Seizures***

# PSYCHOLOGICAL EFFECTS

***Shortly after the physical effects set in, dramatic psychological effects begin to occur. The majority of these effects are due to severe changes to the users perception, thought, and mood:***

- » *Vivid Pseudo-hallucinations*
- » *Loss of depth perception*
- » *Sensation of floating*
- » *Sensation of being pressed down*
- » *Loss of thought process control, i.e. a long lost memory resurfacing.*

- » *Fusion of the senses (seeing music or hearing colors)*
- » *Feelings of fear, depression, or anxiety known as “BAD TRIPS”*
- » *Distorted perception of time*
- » *True hallucinations*

# PHYSICAL EFFECTS

- » *Dilated Pupils*
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- » *Loss of Coordination*
- » *Seizures*

# LONG TERM EFFECTS OF LSD

***The long-term effects of LSD are known as “FLASHBACKS”.***

- ***Flashbacks are spontaneous, unpredictable recurrences of the LSD experience without the ingestion of more of the drug.***
- ***There are three types of flashbacks:***
  - ***Emotional***
  - ***Somatic***
  - ***Perceptual***

# FLASHBACKS

- ***Emotional Flashbacks***– ***The most dangerous type, brings back feelings of fear, depression, and anxiety. Reminds the user of a “bad trip”.***
- ***Somatic Flashbacks***– ***This type of flashback alters sensations of the body that are associated with the original “trip”, i.e. tremors, dizziness and nausea.***
- ***Perceptual Flashbacks***– ***Perceptual flashbacks consist of the sensory distortions that come with the original dose, i.e. seeing music and hearing colors.***
- ***Morning Glory seeds can cause visual and perceptual effects similar to LSD***

# LSD TESTING

- ***LSD is detectable in urine for 1-3 days.***

