

J24.2: D84/972/c.2

GOVERNMENT DOCUMENTS

drugs of abuse

The background of the cover is a complex, abstract composition. It features a dense network of thin, bright yellow lines that crisscross the dark, almost black, background. These lines vary in thickness and orientation, creating a sense of dynamic movement and depth. In the lower-left quadrant, there are several small, irregular yellow shapes that resemble fragments or debris. A small, multi-colored, diamond-shaped object is visible near the bottom left, partially obscured by the yellow lines. The overall effect is one of intense, chaotic energy, which visually represents the theme of 'drugs of abuse'.

Identification of Narcotics Morphine has generally been diverted from legitimate stocks in white powder, tablet or liquid form, and infrequently in cubes. Brick morphine base seldom reaches this country. Heroin comes in fine powder ranging from off-white to dark brown, and occasionally purple. It is packaged and sold in capsules or wax paper and foil "decks" depending on the quantity. The loose drug or pre-packaged heroin is often carried in balloons or other plastic containers to facilitate concealment. Codeine has been diverted and appears in white powder, hypodermic tablet or solution form.



Man has used drugs since the beginning of time. He also abused these powerful drugs to escape from life and betrayed their medicinal value. Today, drug abuse remains a problem to society. To solve the problem, man must educate himself to the potent nature of the drugs of abuse.

The opium poppy—a beguilingly beautiful flower—grows in sections of Mexico, the Near and Far East. Cultivators process poppy juices into crude opium to prepare smoking opium or, most often, morphine base, identified with "999" or other trademarks. Clandestine laboratory operators then process the base drug to make morphine, codeine, or heroin for the United States market.

Abusers usually inject narcotics. Hence, the addict's equipment, the "works," is a strong indication of narcotic abuse. Because they use and share contaminated needles, addicts often contract hepatitis, tetanus, tissue infections and abscesses of the skin and various organs.

Heroin is the most popular narcotic drug of abuse, because of its intense euphoria and long lasting effect. It is synthesized from morphine and nearly 10 times as potent, but has no legitimate use in the U.S. Traffickers "cut" or dilute pure heroin so it normally ranges between 3% and 10% pure when sold to the addict.

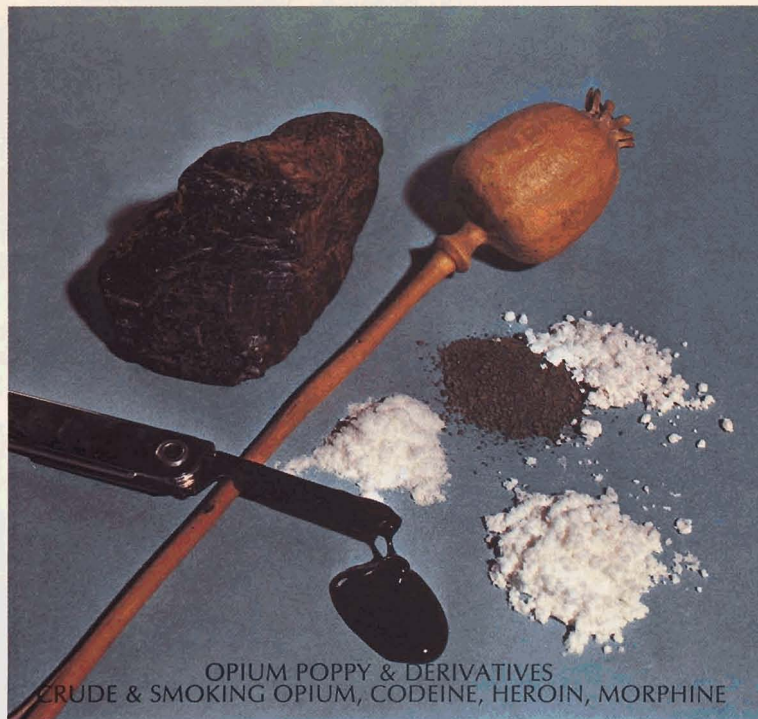
Doctors prescribe morphine to relieve pain, but addicts rank it second to heroin. They may abuse morphine when heroin is scarce.

Codeine is most frequently abused when in cough syrups, but occasionally the pure drug is abused. Its effects are milder when compared to heroin and morphine.

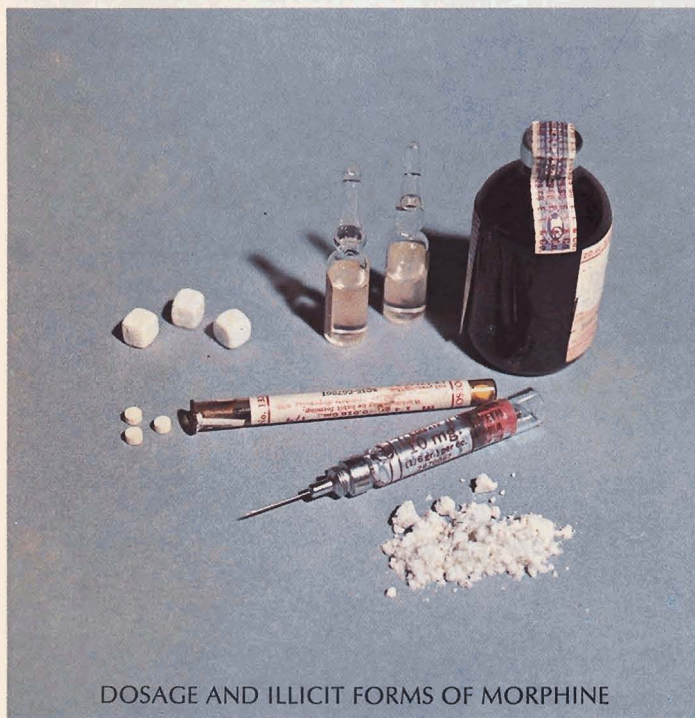
Narcotics



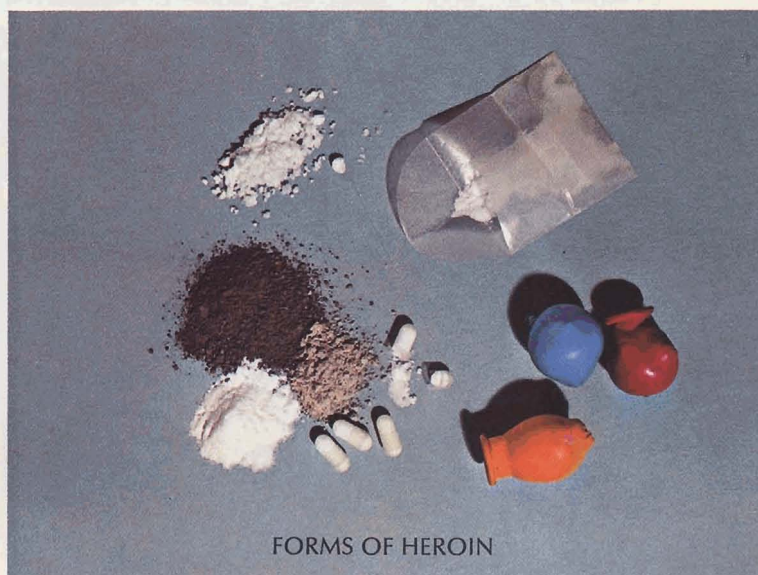
MORPHINE BASE



OPIUM POPPY & DERIVATIVES
CRUDE & SMOKING OPIUM, CODEINE, HEROIN, MORPHINE



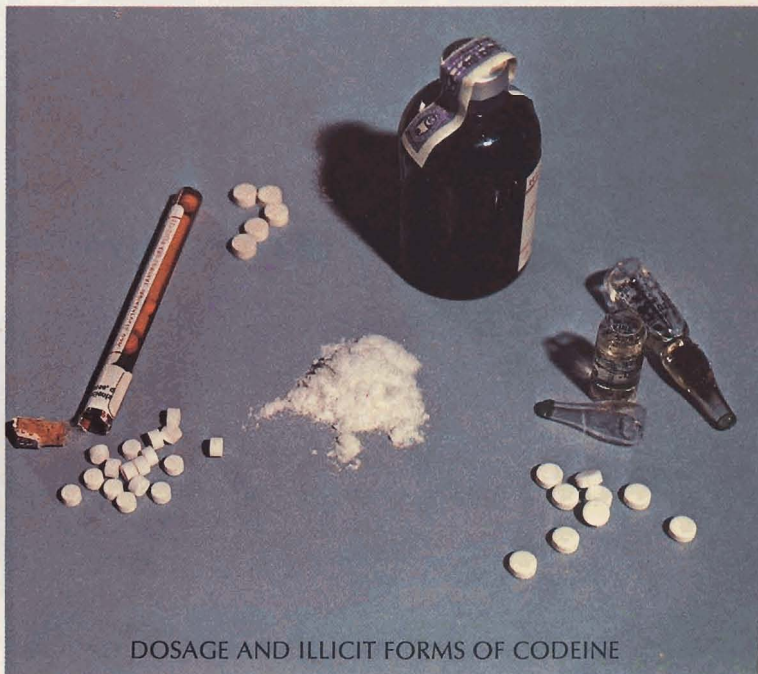
DOSAGE AND ILLICIT FORMS OF MORPHINE



FORMS OF HEROIN

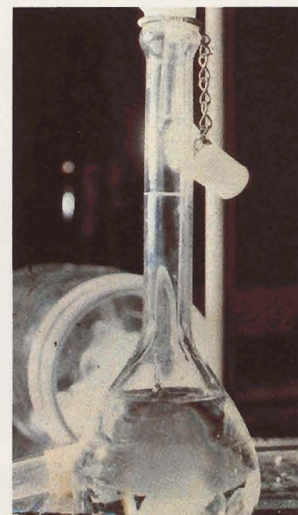
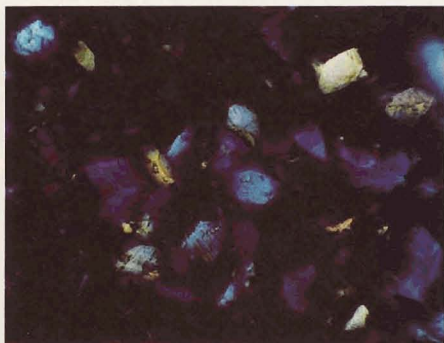


ADDICT'S EQUIPMENT



DOSAGE AND ILLICIT FORMS OF CODEINE

Identification of Narcotics Cocaine is a crystalline structure. Resembling epsom salts or snowflakes (nickname "snow") it reflects light. Hydromorphone, a semi-synthetic and opium derivative, and true synthetic narcotics, methadone and meperidine, are usually diverted from legitimate channels. They are found in white tablet or liquid form, and Dilaudid also appears in larger compounding tablets. Exempt narcotic cough preparations containing codeine are of syrupy consistency ranging from clear to dark brown. Exempt paregoric preparations containing camphorated tincture of opium are yellowish brown liquids.

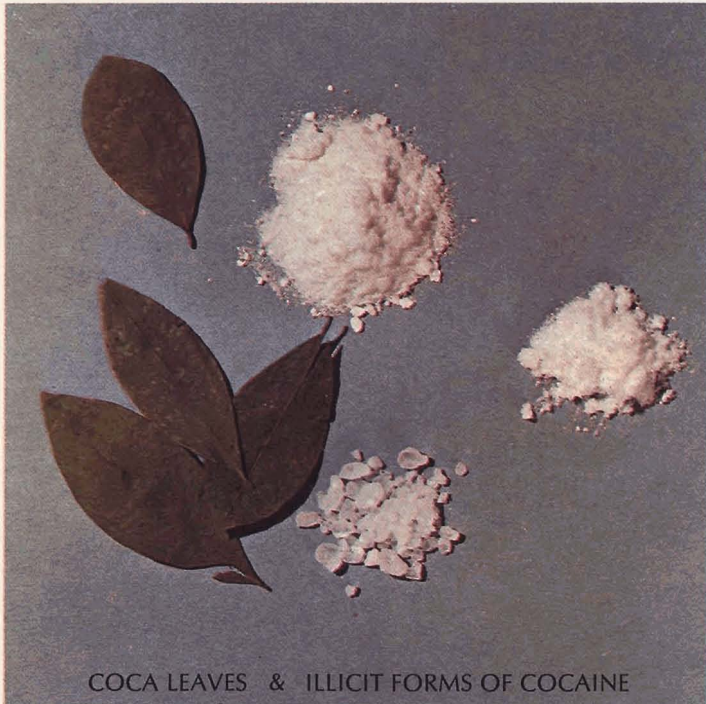


The coca bush grows in the Andes Mountains of South America. Farmers process its leaves into coca paste, then cocaine. Federal law classifies it as a narcotic, but pharmacologically it stimulates the central nervous system. People in some parts of the world chew coca leaves, but abusers in the U.S. generally inhale ("snort") or inject it into the body after mixing the crystalline powder with heroin.

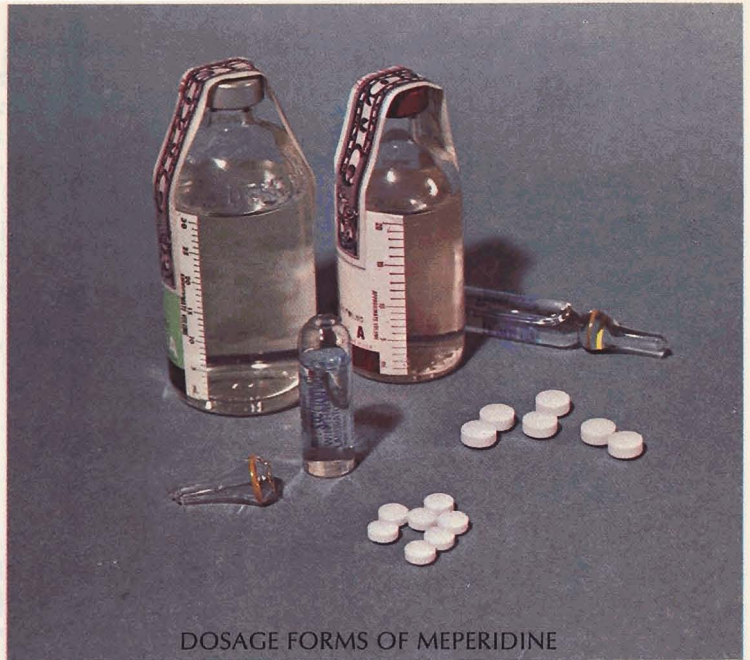
Hydromorphone, a semi-synthetic drug and opium derivative, is made from an opium extract or through a chemical process or a combination of both procedures. Meperidine was the first synthetic narcotic created. Methadone, another synthetic narcotic, is currently used in research as clinical treatment for heroin addiction. These drugs and all 81 semi-synthetic and true synthetic drugs have properties similar to opium derivatives. Each is considered a dangerous narcotic.

Exempt narcotics contain small amounts of narcotic drugs in combination with other drugs. They include codeine cough syrups and preparations of camphorated tincture of opium such as paregoric. When used as directed, they are reasonably safe and free of addiction potential. But young people frequently abuse exempt narcotics and addicts may substitute them when more potent drugs are not available.

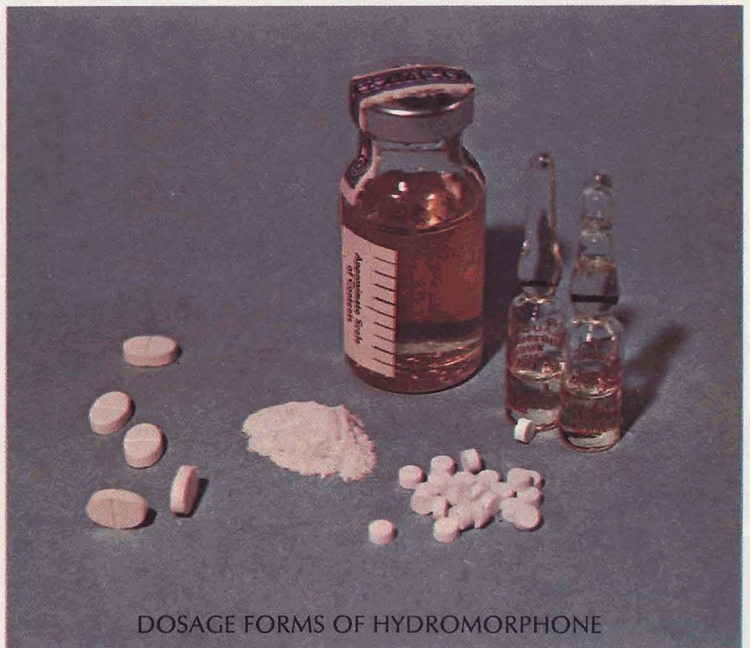
Narcotics



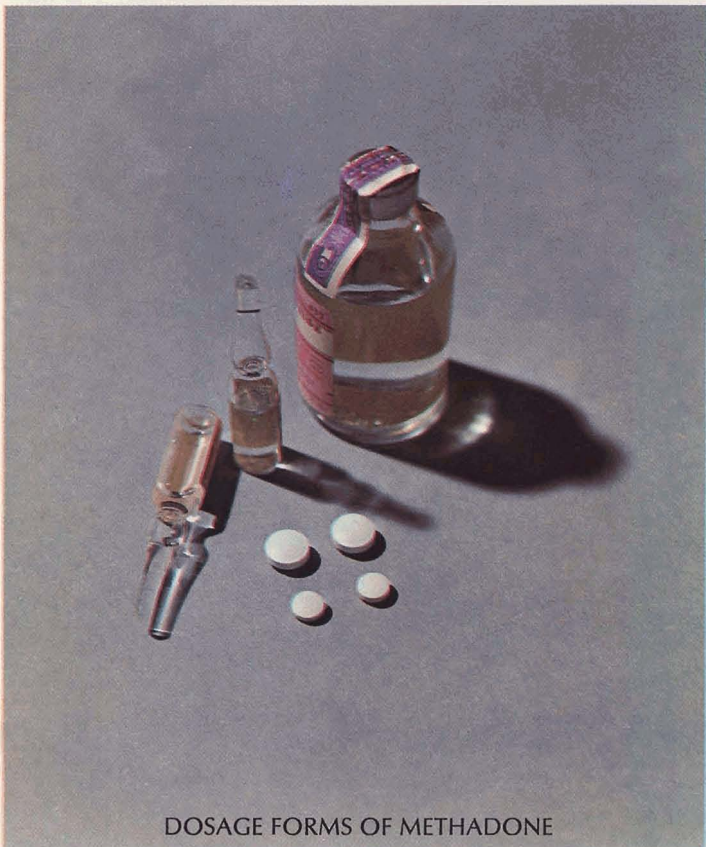
COCA LEAVES & ILLICIT FORMS OF COCAINE



DOSAGE FORMS OF MEPERIDINE



DOSAGE FORMS OF HYDMORPHONE

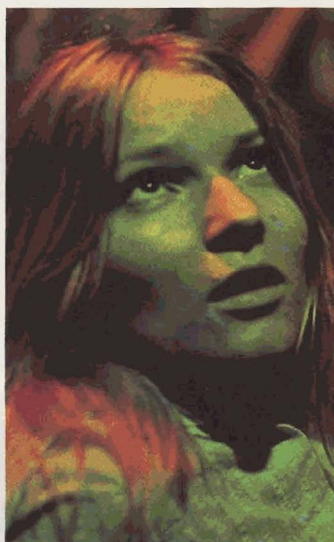


DOSAGE FORMS OF METHADONE



EXEMPT NARCOTICS
COUGH SYRUP WITH CODEINE & PAREGORIC

Identification of Marihuana Marihuana leaves have an odd number (5, 7, 9, etc.) of serrated leaflets. Hashish is a light green-brown, dark brown or black oblong, flat cake from 1/4 to 3/4 inches thick. These loaves or "soles" are broken into small irregular "cubes" or "chunks" and sold by the gram. Manicured marihuana is a finely ground green substance that looks much like coarsely ground oregano or, when less finely processed, thyme. It is generally packaged in match boxes, plastic bottles, tins and other small containers for retail sale. In brick form, large pieces of marihuana twigs, stalks, leaves and seeds have been compressed into blocks, called "kilobricks" measuring about 5 x 2 1/2 x 12 inches. Sometimes a finely processed veneer covers the coarse brick core. Cigarettes, generally shorter and smaller in diameter than the commercial type, contain manicured marihuana. Both ends are "crimped" or "twisted." Occasionally tobacco in regular filter-tip cigarettes has been removed and marihuana inserted, but unless the end is "crimped" the fine marihuana will fall out.



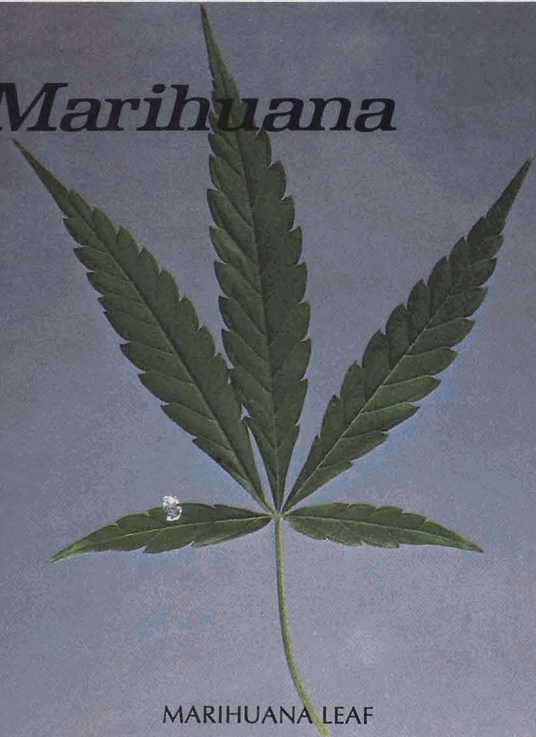
Marihuana was discovered 5,000 years ago. The plant, *Cannabis sativa* L., grows in mild climates throughout the world especially Mexico, Africa, India and the Middle East. The strength of the drug differs from place to place, depending on where and how it is grown, how it is prepared and how it is stored.

Traffickers frequently include all parts of the plant including seeds and stalks—sometimes grass, alfalfa, other drugs or diluents—in marihuana preparations. Sophisticated abusers insist on and pay high premiums for the more potent preparations of cannabis resin or the female flowering top of the plant. In 1966, a scientist synthesized the active ingredient of marihuana, tetrahydrocannabinol.

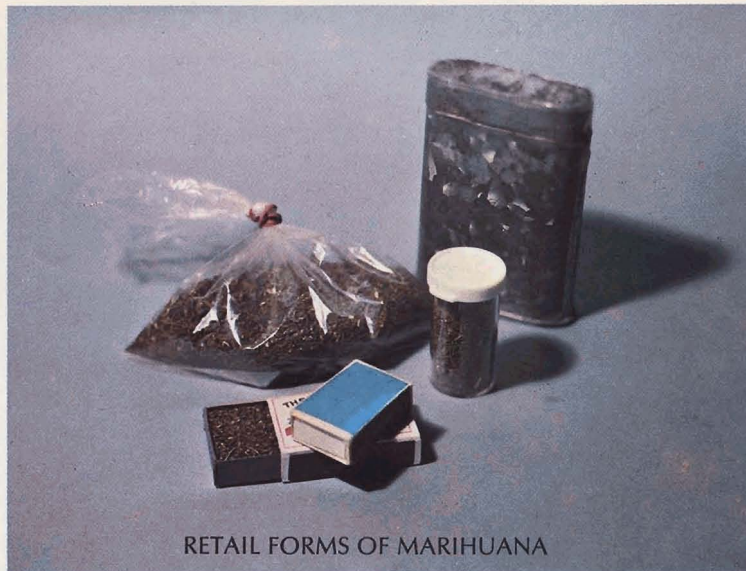
Abusers usually smoke marihuana in cigarettes, hookahs or pipes with small bowls. Some smokers make removable tin foil bowls to hold the marihuana. They also use wire "roach holders" or paper clips to smoke the whole cigarette.

Marihuana use in other countries and current scientific information indicate it is a dangerous drug. At the same time researchers in this country are carefully exploring the drug's short and long term effects.

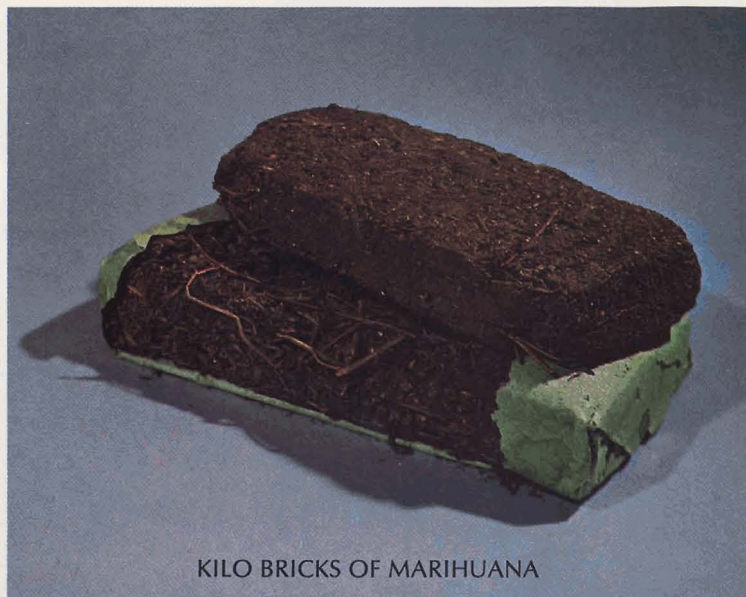
Marihuana



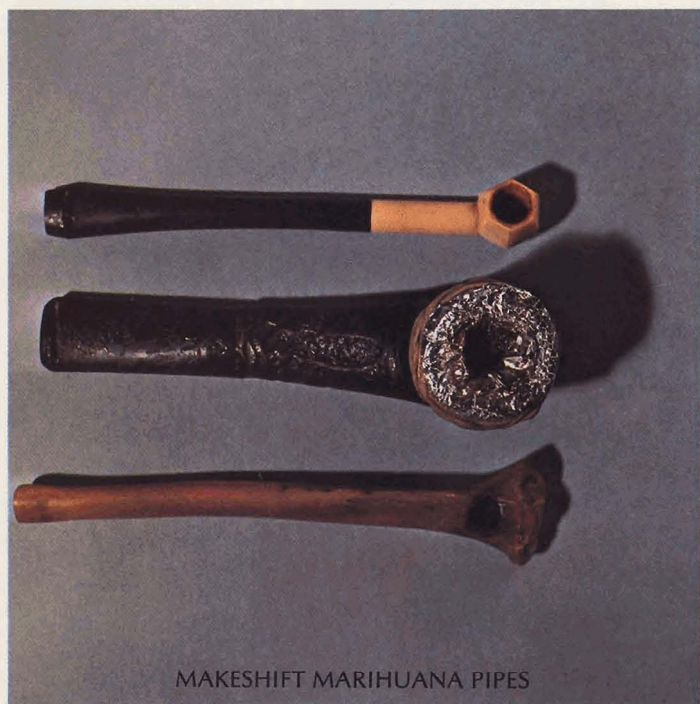
MARIHUANA LEAF



RETAIL FORMS OF MARIHUANA

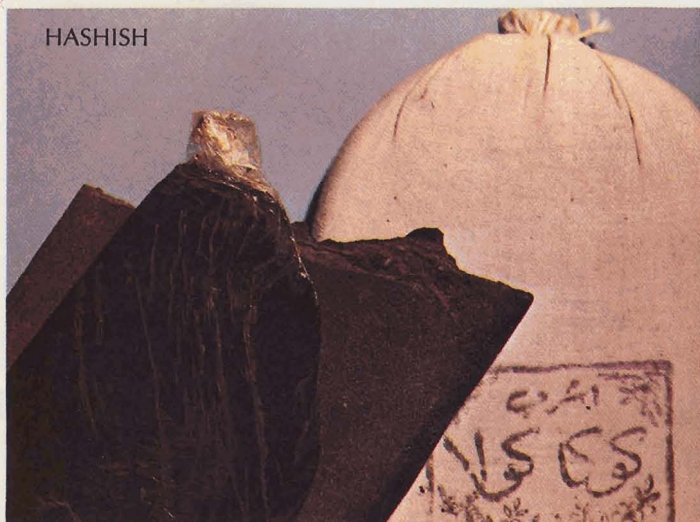


KILO BRICKS OF MARIHUANA



MAKESHIFT MARIHUANA PIPES

HASHISH



MANICURED MARIHUANA, CIGARETTES AND SEEDS

This chart indicates the most common symptoms of drug abuse. However, all of the signs are not always evident, nor are they the only ones that may occur. Any drug's reaction will usually depend on the person, his mood, his environment, the dosage of the drug and how the drug interacts with other drugs the abuser has taken or contaminants within the drug.

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Terms & Symptoms of Drug Abuse

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DROWSINESS
EXCITATION & HYPERACTIVITY
IRRITABILITY & RESTLESSNESS
BELLIGERENCE
ANXIETY
EUPHORIA
DEPRESSION
HALLUCINATIONS
PANIC
IRRATIONAL BEHAVIOR
CONFUSION
TALKATIVENESS
RAMBLING SPEECH
SLURRED SPEECH
LAUGHTER
TREMOR

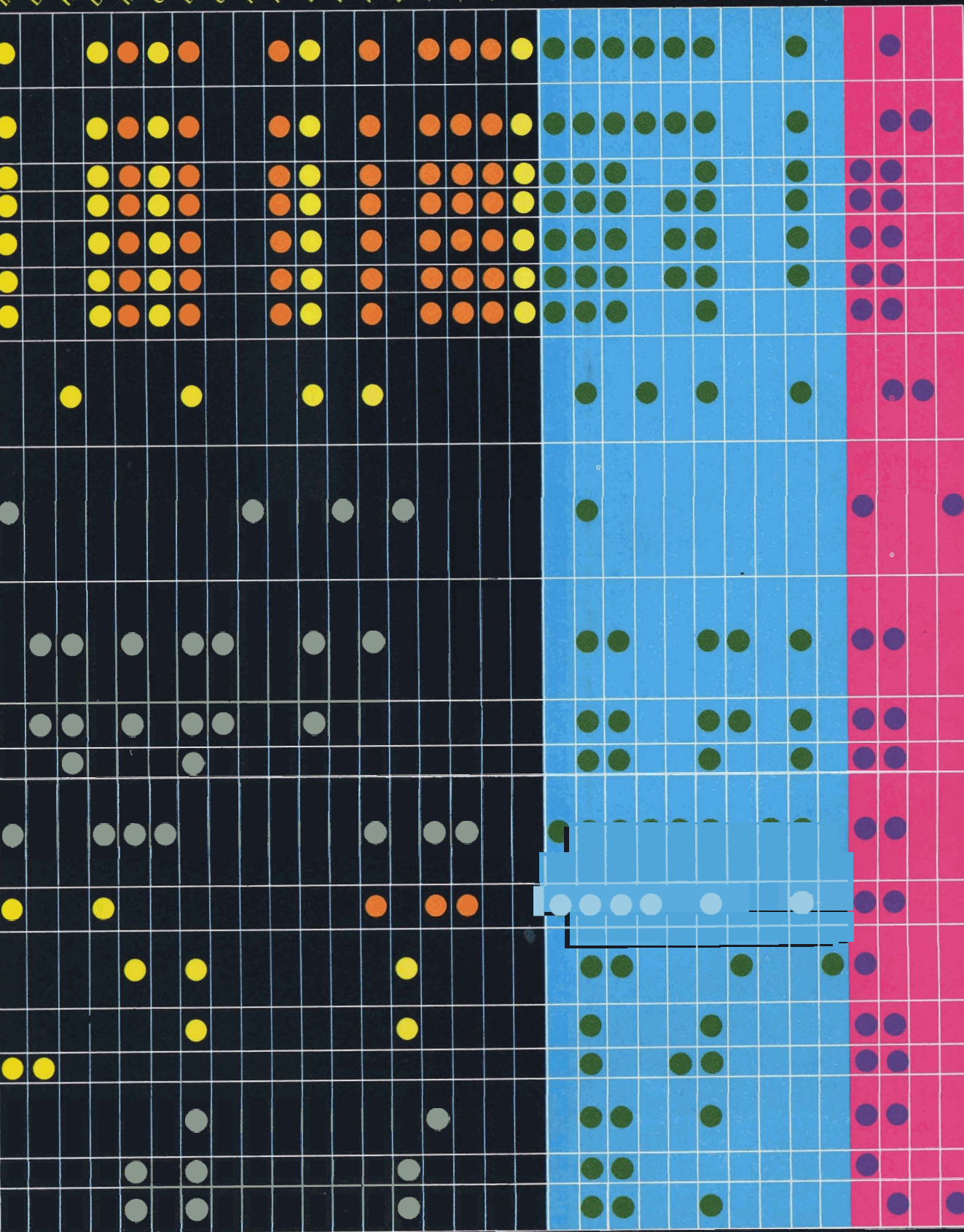
		DROWSINESS	EXCITATION & HYPERACTIVITY	IRRITABILITY & RESTLESSNESS	BELLIGERENCE	ANXIETY	EUPHORIA	DEPRESSION	HALLUCINATIONS	PANIC	IRRATIONAL BEHAVIOR	CONFUSION	TALKATIVENESS	RAMBLING SPEECH	SLURRED SPEECH	LAUGHTER	TREMOR
MORPHINE	M, dreamer, white stuff, hard stuff, morpho, unkie, Miss Emma, monkey, cube, morf, tab, emsel, hocus, morphie, melter	●		●	●	●	●	●	●	●			●			●	
HEROIN	Snow, stuff, H, junk, big Harry, caballo, Doojee, boy, horse, white stuff, Harry, hairy, joy powder, salt, dope, Duige, hard stuff, schmeek, shit, skag, thing,	●		●	●	●	●	●	●	●			●			●	
CODEINE	Schoolboy	●		●	●	●	●	●	●	●			●			●	
HYDROMORPHONE	Dilaudid, Lords	●		●	●	●	●	●	●	●			●			●	
MEPERIDINE	Demerol, Isonipecaine, Dolantol, Pethidine	●		●	●	●	●	●	●	●			●			●	
METHADONE	Dolophine, Dollies, dolls, amidone	●		●	●	●	●	●	●	●			●			●	
EXEMPT PREPARATIONS	P.G., P.O., blue velvet (Paregoric with antihistamine), red water, bitter, licorice	●		●	●	●	●	●	●	●						●	
COCAINE	The leaf, snow, C, cecil, coke, dynamite, flake, speedball (when mixed with Heroin), girl, happy dust, joy powder, white girl, gold dust, Corine, Bernies, Burese, gin, Bernice, Star dust, Carrie, Cholly, heaven dust, paradise		●	●	●	●	●				●					●	
MARIHUANA	Smoke, straw, Texas tea, jive, pod, mutah, splim, Acapulco Gold, Bhang, boo, bush, butter flower, Ganja, weed, grass, pot, muggles, tea, has, hemp, griffo, Indian hay, loco weed, hay, herb, J, mu, giggles-smoke, love weed, Mary Warner, Mohasky, Mary Jane, joint sticks, reefers, sativa, roach,	●	●	●	●	●	●	●	●		●			●			
AMPHETAMINES	Pep pills, bennies, wake-ups, eye-openers, lid poppers, co-pilots, truck drivers, peaches, roses, hearts, cart-wheels, whites, coast to coast, LA turnabouts, browns, footballs, greenies, bombido, oranges, dexies, jolly-beans, A's, jellie babies, sweets, beans, uppers		●	●	●	●	●	●			●					●	
METHAMPHETAMINE	Speed, meth, splash, crystal, bombita, Methedrine, Doe		●	●	●	●	●	●			●					●	
OTHER STIMULANTS	Pep pills, uppers		●	●	●	●	●				●					●	
BARBITURATES	Yellows, yellow jackets, nimby, nimbles, reds, pinks, red birds, red devils, seggy, secy, pink ladies, blues, blue birds, blue devils, blue heavens, red & blues, double trouble, tooles, Christmas trees, phennies, barbs	●		●	●	●	●	●	●	●			●	●	●	●	●
OTHER DEPRESSANTS	Candy, goofballs, sleeping pills, peanuts	●		●	●	●	●	●	●	●			●			●	●
LYSERGIC ACID DIETHYLAMIDE (LSD)	Acid, cubes, pearly gates, heavenly blue, royal blue, wedding bells, sugar, Big D, Blue Acid, the Chief, the Hawk, instant Zen, 25, Zen, sugar lump		●		●	●	●	●	●	●			●			●	
STP	Serenity, tranquility, peace, DOM, syndicate acid					●	●	●	●	●			●			●	
PHENCYCLIDINE (PCP)	PCP, peace pill, synthetic marihuana	●			●				●	●						●	
PEYOTE	Mescal button, mescal beans, hikori, hikuli, huatari, seni, wokowi, cactus, the button, tops, a moon, half moon, P, the bad seed, Big Chief, Mesc.		●	●	●		●						●				
PSILOCYBIN	Sacred mushrooms, mushrooms		●	●	●	●	●	●	●	●			●				
DIETHYLTRYPTAMINE (DMT)	DMT, 45-minute psychosis, businessman's special		●		●	●	●	●	●	●			●				

SLANG TERMS

SYMPTOMS OF ABUSE

SYMPTOMS OF WITHDRAWAL

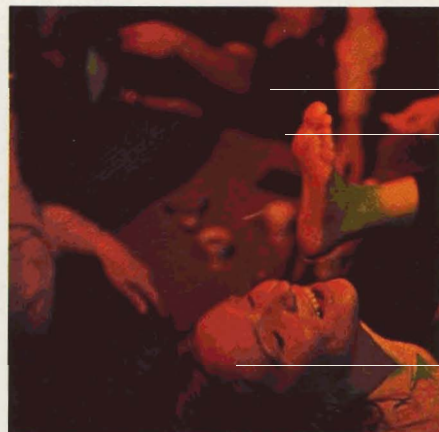
IMPAIRMENT OF COORDINATION
 DIZZINESS
 HYPERACTIVE REFLEXES
 DECREASED REFLEXES
 INCREASED SWEATING
 CONSTRICTED PUPILS
 UNUSUALLY BRIGHT SHINY EYES
 INFLAMED EYES
 RUNNY EYES AND NOSE
 LOSS OF APPETITE
 INCREASED APPETITE
 INSOMNIA
 DISTORTION OF SPACE OR TIME
 NAUSEA AND VOMITING
 DIARRHEA
 CONSTIPATION
 PHYSICAL DEPENDENCE
 PSYCHOLOGICAL DEPENDENCE
 TOLERANCE
 CONVULSIONS
 UNCONSCIOUSNESS
 HEPATITIS
 PSYCHOSIS
 DEATH FROM WITHDRAWAL
 DEATH FROM OVERDOSE
 POSSIBLE CHROMOSOME DAMAGE
 ORALLY
 INJECTION
 SNIFFED
 SMOKED



● DANGERS OF ABUSE

● HOW TAKEN

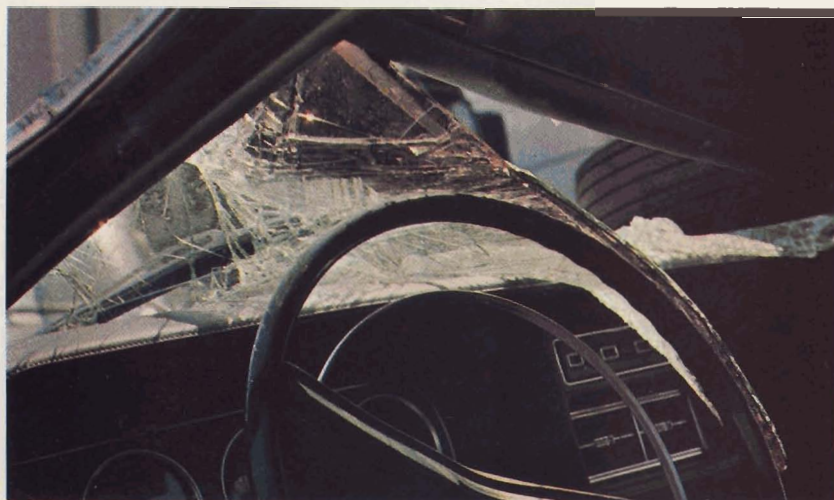
Identification of Stimulants Illicit amphetamines are most frequently in tablet and capsule form, occasionally as powders and rarely in liquid form. While more popular brand name stimulants bear trademarks or other identifying symbols, tablets vary widely, in color, size and shape. They may be unscored, single scored or double scored; any color, shape (round, heart, square, triangular, oval, etc.) and size (varying in thickness; curved or flat; with beveled or unbeveled edges). Some are candy coated while others are not. Amphetamine capsules may be solid color, but are most often clear, filled with powder or multicolored time-disintegration beads. Methamphetamine also appears in powder, tablets or solution form for injection.



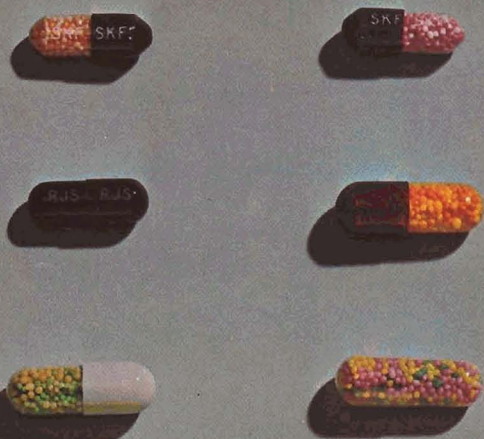
Stimulants directly affect the central nervous system. Their ability to produce increased activity, alertness and excitement has prompted people to call them "pep pills." Amphetamines are the most widely known and frequently abused stimulants. Doctors use them to treat obesity and mild depression. Abusers tend to be accident prone. They are especially dangerous on the highway, because the drugs' effects mask fatigue and abusers exceed their physical endurance without realizing it until it's too late. Criminals may also use amphetamines to bolster their courage before committing a crime.

The shapes, colors, effects and uses of amphetamines often spark slang names. For instance rose colored, heart shaped amphetamines are known as "peaches," "roses," or "hearts," while long acting capsules are often called "coast-to-coast," "L.A. Turnabouts," or "co-pilots."

Methamphetamine is a powerful, but widely abused stimulant. Chemically related to the amphetamines, it has greater psychological effect. Abusers shoot "meth," or "speed," intravenously and use equipment similar to the narcotic abuser's. The drug culture has coined a slogan to warn others that "speed kills" and indeed an overdose of the drug may cause death.



Stimulants



AMPHETAMINE CAPSULES



AMPHETAMINE TABLETS



AMPHETAMINE TABLETS



AMPHETAMINE TABLETS



AMPHETAMINE-BARBITAL COMBINATIONS



DOSAGE FORMS OF METHAMPHETAMINE



PHENMETRAZINE TABLETS

Identification of Depressants Depressants in illicit traffic have often been diverted from legitimate channels. Popular brand name depressants bear trademarks or other identifying symbols. They are found in tablet and capsule form with capsules predominant. Tablets are usually round with no scoring or a single score. They may be sugar coated or uncoated in a variety of shapes with or without markings. Capsules vary in color, but are frequently red ("redbirds"), yellow ("yellow jackets"), blue ("blue heavens") or red and blue ("Christmas trees"). Barbiturate capsules range widely in size and are usually filled with powder and occasionally time disintegration beads. Depressants also appear as solutions for injection and as white powder.



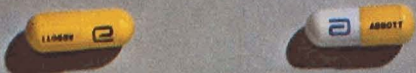
This group of drugs depresses the central nervous system and relieves anxiety. They are valuable when used properly but extremely dangerous when abused.

Barbiturates are depressants. The first barbituric acid derivative was introduced to medicine shortly after the turn of the century. Since then, hundreds of barbiturates have been synthesized. They are prescribed as sedatives and to induce sleep, or in smaller doses, to provide a calming effect. Legally, people can buy and use these drugs only with a doctor's prescription, but they are extensively abused.

Barbiturate abusers often are involved in traffic accidents because their reactions tend to be sluggish. Accidental deaths from overdoses of barbiturates are common because abusers become confused as a result of the effects of the drug and forget how many they have already taken. The combination of alcohol and barbiturates can be lethal.

These drugs are addicting. Signs of physical dependence appear with doses well above therapeutic level. Withdrawal from barbiturates is especially dangerous and is characterized by accompanying convulsions and delirium. Depressants — they're real downers!

Depressants



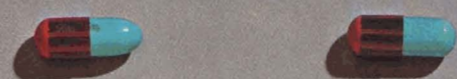
PENTOBARBITAL CAPSULES



SECOBARBITAL CAPSULES



AMOBARBITAL CAPSULES



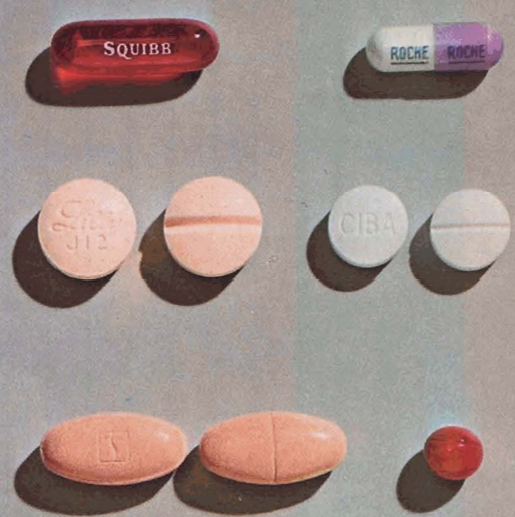
AMOBARBITAL WITH SECOBARBITAL



PHENOBARBITAL TABLETS



MISCELLANEOUS BARBITURATE TABLETS



OTHER DEPRESSANT DRUGS



Regional Addresses

Region I-Boston

JFK Federal Bldg.
Room G-64
Boston, Mass. 02203
(Connecticut, Maine,
Massachusetts, New Hampshire,
Rhode Island, Vermont)

Region II-New York

Suite 605
90 Church Street
New York, New York 10007
(New York, Northern New Jersey)

Region III-Philadelphia

Continental Bldg.
Suite 1000
400 Market St.
Philadelphia, Pa. 19106
(Delaware, Southern
New Jersey, Pennsylvania)

Region IV-Baltimore

31 Hopkins Place, Rm. 955
Baltimore, Maryland 21201
(District of Columbia, Maryland,
North Carolina, Virginia,
West Virginia)

New York Regional Laboratory

New York, New York 10007
(Maine, New Hampshire, Vermont,
Rhode Island, New York,
Massachusetts, Connecticut, New
Jersey, Pennsylvania, Delaware)

Washington Regional Laboratory

Washington, D.C. 20537
(Maryland, West Virginia, Virginia,
North Carolina, South Carolina,
Georgia, Florida, Puerto Rico)

Region V-Miami

201 N.E. 12th Street
Miami, Fla. 33132
(Florida, Georgia, South
Carolina, Puerto Rico)

Region VI-Detroit

602 Federal Bldg. & U.S.
Courthouse
231 W. Lafayette
Detroit, Michigan 48226
(Kentucky, Michigan, Ohio)

Region VII-Chicago

Suite 1800
219 S. Dearborn
Everett Dirksen
Federal Office Bldg.
Chicago, Illinois 60604
(Illinois, Indiana, Wisconsin)

Region VIII-New Orleans

546 Carondelet Street
Fourth Floor
New Orleans, Louisiana 70130
(Alabama, Arkansas, Louisiana,
Mississippi, Tennessee)

Chicago Regional Laboratory

Chicago, Illinois 60607
(North Dakota, South Dakota,
Nebraska, Kansas, Minnesota, Iowa,
Missouri, Wisconsin, Michigan,
Illinois, Ohio, Indiana, Kentucky)

San Francisco Regional Laboratory

San Francisco, California 94102
(Washington, Oregon, Montana,
Idaho, California, Nevada,
Hawaii, Alaska)

Region X-Kansas City

U.S. Courthouse
Suite 225
811 Grand
Kansas City, Mo. 64106
(Minnesota, North Dakota,
South Dakota, Iowa, Kansas,
Missouri, Nebraska)

Region XI-Dallas

1114 Commerce Street
Room 723
Dallas, Texas 75202
(Oklahoma, Texas)

Region XII-Denver

New Customs House
1950 Stout Street
Denver, Colorado 80202
(Arizona, Colorado, New
Mexico, Utah, Wyoming)

Region XIII-Seattle

221 1st Avenue
Room 200
Seattle, Washington 98119
(Alaska, Idaho, Montana,
Oregon, Washington)

Region XIV-Los Angeles

1340 West 6th Street
Los Angeles, Calif. 90017
(California, Hawaii, Nevada)

Region XV-Mexico

American Embassy
Nar Apartado Postal 88 Bis.
Mexico D.F., Mexico

Region XVI-Bangkok

American Embassy
APO San Francisco 96346

Region XVII-Paris

American Embassy,
APO New York 09777

Dallas Regional Laboratory

Dallas, Texas 75202
(Oklahoma, Texas, Arkansas,
Mississippi, Louisiana, Tennessee,
Utah, Colorado, Arizona, New
Mexico, Wyoming, Alabama)

Special Testing

And Research Laboratory
Washington, D.C. 20537

COVER ILLUSTRATION

Polarizing microscope
Shows positive amphetamine
Micro-crystal test

★ U. S. GOVERNMENT PRINTING OFFICE : 1972 O - 459-616

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402 - Price 40 cents
Stock Number 2704-0017



3 0000 095 961 128

Bureau of Narcotics & Dangerous Drugs/U.S. Department of Justice/Washington, D.C. 20537

