



D/F/Lt. Steven D. Rau

Michigan State Police

## History

- Section Commander
- Metropolitan Enforcement Team (MET)
- Two Teams: Kent County, Interdiction (Hotel, FedEx UPS Postal). Street Team
- Central Michigan Enforcement Team (CMET)
- One Team covers Newaygo, Mecosta, Montcalm and Ionia County

## History Con't

- Meth Response
- Old way: single team covered the state
- Currently there are seven district coordinators
- Responders

## METHAMPHETAMINE



# History of Methamphetamine

## History of Methamphetamine

- 1887 Amphetamine first synthesized by German Chemist
- 1919 Methamphetamine, more potent-easy to make, was discovered in Japan
- World War II methamphetamine was distributed to soldiers
- War ends, soldiers return to states with meth addiction forming motorcycle gangs

## History

- War time use
  - Japanese soldiers used meth
  - Nazi soldiers used meth
    - Pervitin
    - Hitler was a known meth addict
  - Allied soldiers use meth
    - 5 meth tablets in each soldier's kit



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## History

- Widely prescribed in the 1950s and 1960s for:
  - Obesity
  - Depression
- Peak of 31 million prescriptions in U.S. issued in 1967
  - Called methadrine



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## History

- 225 million doses supplied to U.S. soldier during Vietnam war
- 1970 production of amphetamine tablets peaks at 10 billion annually



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## History

- 1972 Clan labs start appearing
- Mid to late 1970s P-2-P method is the primary method and is controlled by biker gangs.
  - Hells Angels
  - Gypsy Jokers



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## History

- 1982 HI/Red P method emerges
- 1988 HI/Red P method is the most prominent method – influenced by Mexican nationals



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## History

- 1988 first ammonia lab reported by DEA in Vacaville, CA
- 1997 Ammonia method is preferred method in the mid-west



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## What is Meth?

- The New Drug
  - Once considered a cult drug
  - Fastest spreading drug to come from California
  - 3 to 4 times as easy to make as the old drug
  - 3 to 4 times as potent as the old drug
  - Common chemicals purchased over the counter
  - 2 to 4 hours to cook a batch (old method took 20 hours)

## What is Meth?

- Psycho-stimulant
- Powerful upper
- Effects the central nervous system
- Increases metabolism, heart rate, blood pressure
- Increases body temperature and rate of breathing
- Produces Euphoria
- Poor Man's Cocaine





## Slang Names

- Meth
- Crystal
- Speed
- Glass
- Ice
- Crank
- Cat
- Christi
- Honey
- Dreams
- Clouds
- Peanut Butter



## Present Day Labs

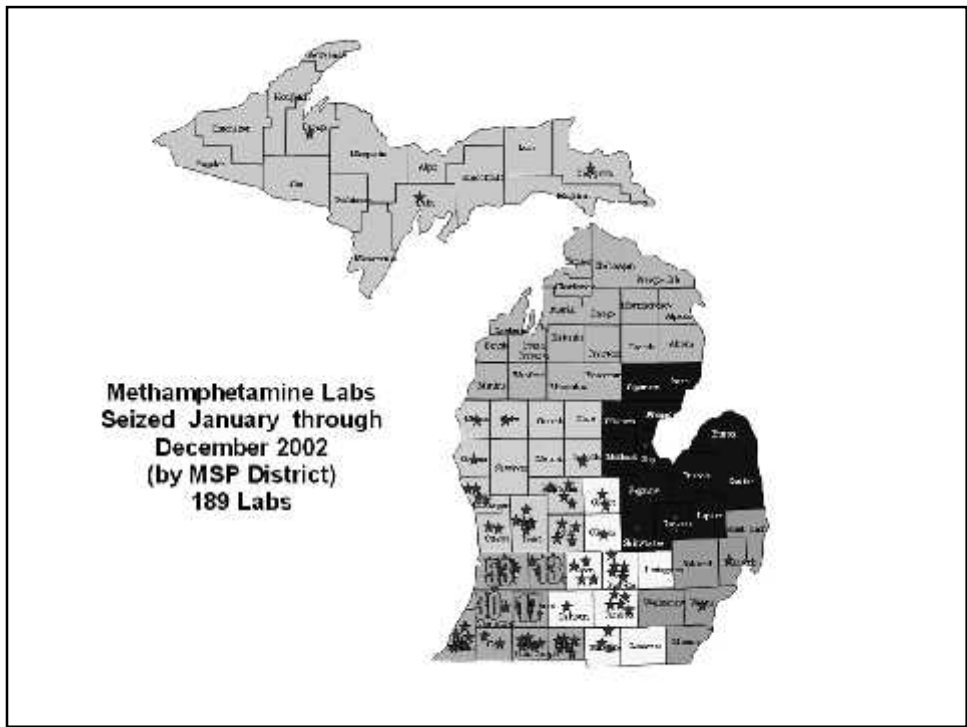
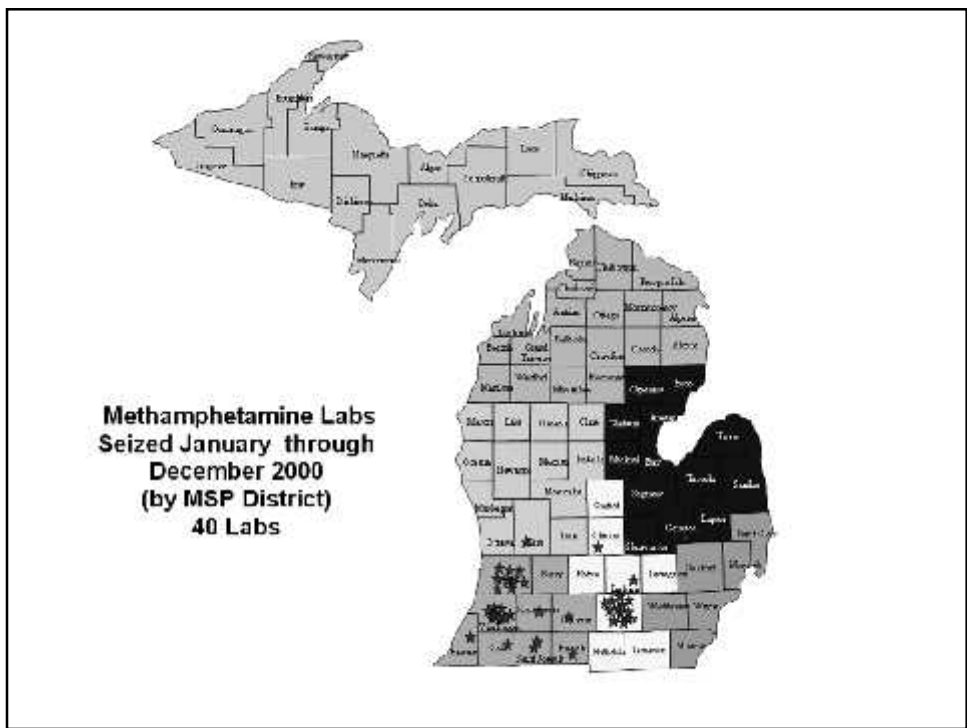
- The most common types of labs you can expect to find
  - Early on Anhydrous Ammonia/Lithium Metal Method, commonly referred to as the Nazi or Birch Method
  - Red Phosphorous/Iodine Method
  - Current trend is “One Pot” or shake and bake lab. (99% of all labs being found)
  - P2P, (super labs none in Michigan)

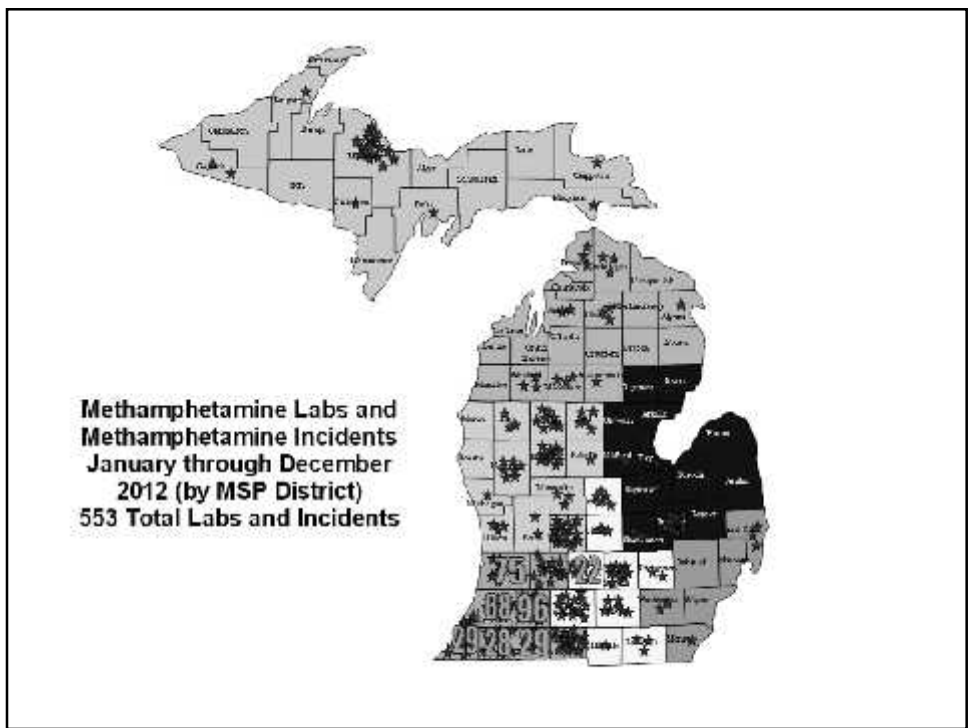
## **Present Day Labs**

- Currently Michigan is experiencing a proliferation of “Mom and Pop” labs.
- Seizures are ranging from grams to several pounds.
- In Michigan 18 Methamphetamine labs were seized in 1999.
- In 2002 there were 189 labs seized .
- 2013 over 605 labs and dumpsites seized. 6<sup>th</sup> in nation

## **Michigan Meth Lab Seizures**

Through the Years





## TYPES OF LABS and dishonorable mention

### Mexican National (ICE)





## Nazi/ Anhydrous Lab



## Red P Lab



## One Pot "Shake n Bake"



## Back Pack Lab





## P2P



## Pill Smurfing

- Change in Michigan law limits amount of pseudoephedrine that can be possessed.
- Role of cook vs others involved.



## Examples of One Pot Labs







## “One Pot” Ingredients

- Pseudoephedrine
- Ammonia Nitrate or Ammonia Sulfate
- Coleman Fuel or Ethyl Ether
- Lithium Metal (Lithium Batteries)
- Lye (Sodium Hydroxide)
- Water
- One or two liter container.

## “One Pot” Basics

- Ammonia Nitrate Fertilizer “Cold Packs” or
- Ammonia Sulfate “Tree Spikes”
- Use of one of these ingredients replace Anhydrous ammonia in the “One Pot” or “Shake & Bake” method which is a variation of the “Nazi” method.
- All ingredients are mixed in one container

## Common Source of Ammonia Nitrate



## Common Sources of Ammonia Sulfate



## “One Pot” Dangers

- Failure of the container will cause Coleman Fuel or Ethel Ether to catch fire in combination with the lithium metal.
- Container Failure is most likely due to lithium metal burning through the plastic container.
- Any pressure will spread the fuel (as noted in “one Pot” fire pictures)

Gatorade Failure

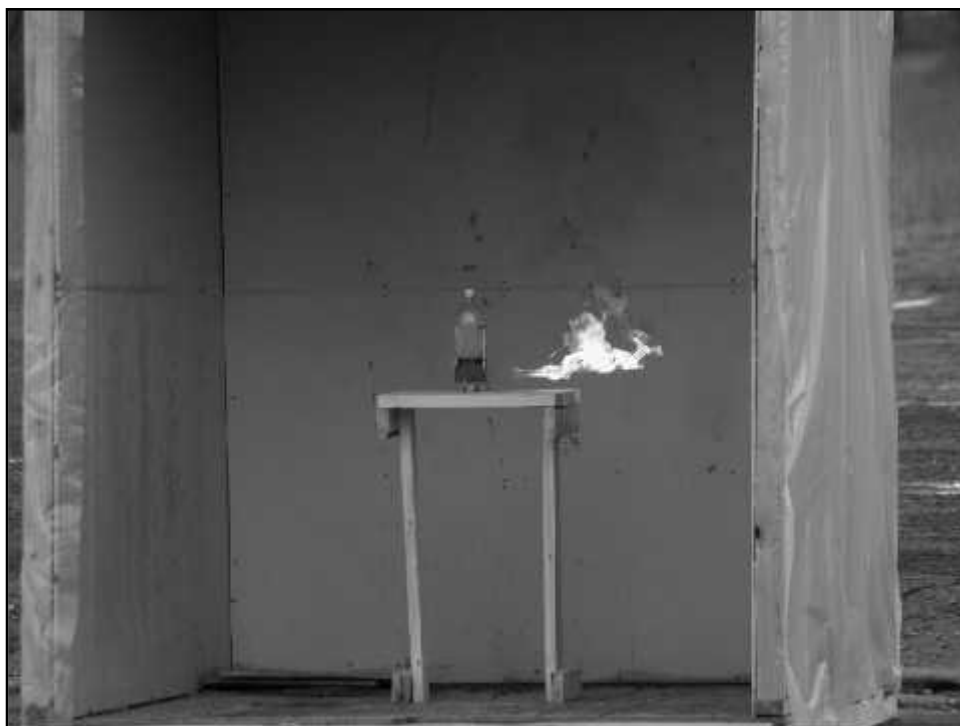
Lithium

# Tulsa











## Dump Sites





## Commonly Found Chemicals



- These Chemicals will:
  - React to Air
  - React to Water
  - React to Shock or Movement
  - React to Each Other
  - Attack your Eyes
  - Attack your Lungs / Kidneys
  - Burn your Skin
  - KILL YOU

## What To Do

- Leave alone
- Contact 911
- If safe monitor up wind, up hill

## Chasing the Dragon



## How is it taken ?

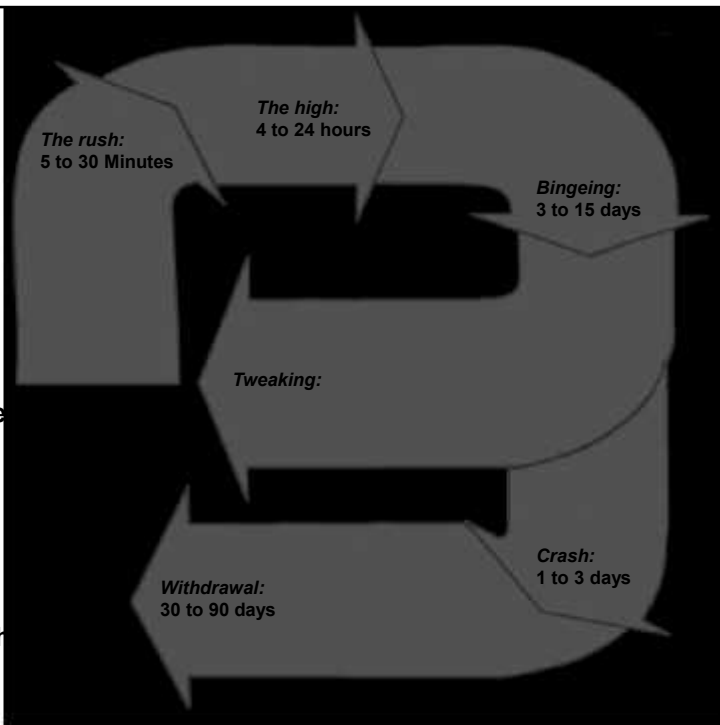
- **Orally Ingested**
  - Swallowed
  - Bitter Taste
  - No "RUSH"
- **Inhaled/Snorted**
  - Burns linings of Nostrils
  - No "RUSH"
- **Smoked**
  - Highly Addictive
- **Heat and Inhale Vapor**
  - "RUSH"
- **Injected**
  - Highly Addictive
  - "RUSH"





**The  
USER  
PATTERNS  
OF ABUSE**

Abuse patterns differ depending on how meth is used and how frequently. Typically, there are three levels of abuse: Low Intensity, which does not lead to psychological addiction; bingeing; and High Intensity or "Tweaking."



## Dopamine Effect

### Physical Symptoms

- Weight loss
- Abnormal sweating
- Shortness of breath
- Nosebleeds
- Sores that do not heal
- Dilated pupils
- Burns on lips or fingers
- Track marks



## Behavioral Symptoms

- Withdraw, Disinterest
- Increased activity
- Long periods of no sleep 24- 120 hrs
- Sleep 24 – 48 hrs
- Talking, Irritability, twitching, itching
- Erratic attention span. Rep behavior
- Aggressive, false confidence
- Lack of appearance

## Mental Symptoms

- Paranoia
- Anxiousness
- Nervousness
- Agitation
- Moodiness
- Depression
- Hallucination, Delusions (bugs)

## Meth Addiction

- When compared to Alcohol and Cocaine:
  - A group of 100 people given a drink of alcohol every day for 3 weeks, **8 of the 100** will become addicted.
  - A group of 100 people given meth or cocaine orally or as snuff every day for 3 weeks, **14 of the 100** will become addicted.
  - A group of 100 people given meth by smoking or injection just 2 times, **90 of the 100** will become addicted.
  - If a recovering meth addict, who has been clean for 11 months, has a hit of meth in placed in front of them, the desire to use it will cause the addict to use it, **100%** of the time.

## Physical Effects (User)



## Faces of Meth

## WHAT TO LOOK FOR



## Commonly Found Chemicals



- These Chemicals will:
  - React to Air
  - React to Water
  - React to Shock or Movement
  - React to Each Other
  - Attack your Eyes
  - Attack your Lungs / Kidneys
  - Burn your Skin
  - KILL YOU









## HCL Gas Generators



## Altered Tanks



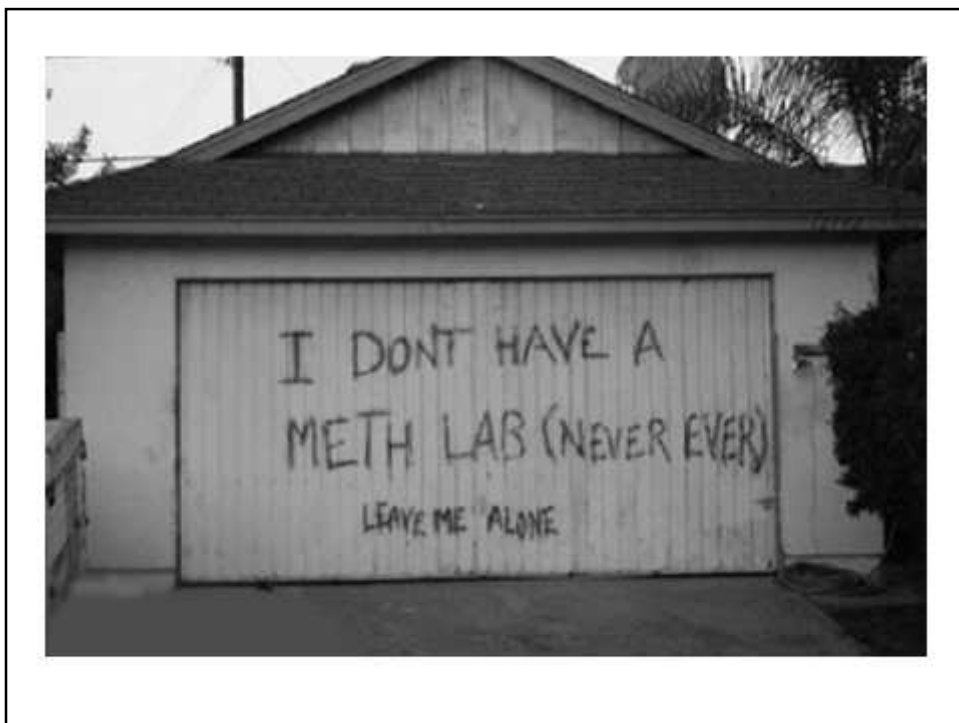
## Easiest Knock & Talk of all time





Just in case it's not that easy





## Penalties

- Ephedrine or pseudoephedrine
- Can purchase 2 boxes 24 dose each not to exceed 3.6 grams a day.
- No more then 9 grams a month
- 9 grams Misd. 12 gram felony

## Meth Penalties

- Use – Misd. with up to 1 year in jail
- Possession - Felony up to 10 years
- Manufacture or Del. – Felony up to 20 years

## Meth Lab Investigation

- District Meth Coordinators
- Response
- Assessment
- Dismantle
- Sample
- Dispose

## Meth Lab Responders



## Assessment/ Dismantle



## Process Sample The Lab



## Dispose/Containers



## Remediation

- Within 48 hours shall notify the local health department.
- Law Enforcement shall post written warning on site.
- Within 14 days after receipt health department reviews information. (fact of lab is prima facie evidence of contamination)

## Remediation con't

- Enforcing agency shall order the property to be vacated until owner establishes decontamination.
- Written assessment of property before and after. Showing steps taken and certification of decontamination.
- Public Act 258

## METH RESPONSE

- MSP Operations 24hrs (517)241-8000
- 6<sup>th</sup> District Coordinator D/Lt. Joel Abendroth
- Cell: (231)598-0716
- Office: (989)352-6738