The drug of Choice during 1800’s
It was everywhere!
Opium-Mom’s best friend!!
U.S. TREASURY DEPARTMENT
BUREAU OF NARCOTICS

REGULATIONS No. 5

RELATING TO THE
IMPORTATION, MANUFACTURE, PRODUCTION,
COMPOUNDING, SALE, DEALING IN, DISPENSING
AND GIVING AWAY OF

OPIUM, COCA LEAVES,
ISONIPECANE OR OPIATES
OR ANY COMPOUND, MANUFACTURE, SALT,
DERIVATIVE, OR PREPARATION THEREOF

UNDER THE

Act of December 17, 1914, as amended by Sections 106 and 107 of the Act of
February 24, 1919, Sections 604 and 704 of the Act of February 26, 1920,
Act of January 22, 1927, Section 402 of the Act of May 28, 1928, and Section
804 of the Act of June 22, 1930, and the Act of March 1, 1932, and June
14, 1931, the Act of March 2, 1932, and June 14, 1930, the Act of February 28, 1939, the Act of July 1, 1944,
and the Act of March 5, 1946.

NARCOTIC-INTERNAL REVENUE REGULATIONS

JOINT NARCOTIC REGULATIONS MADE BY THE
COMMISSIONER OF NARCOTICS AND THE COMMISSIONER
OF INTERNAL REVENUE WITH THE APPROVAL OF
THE SECRETARY OF THE TREASURY

Regulated April 1, 1947

Regulation No. 1. Narcotic Registration

COUGHER

THE PROBLEM
HAS BEEN SOLVED BY

GLYCO-HEROIN

PAREGORIC

PAXSON & ROCKEFELLER CO.
183 NORTH MAIN STREET
BUTTE, MONTANA

SUN CHOLERA MIXTURE

Contains 78% ALCOHOL, OPIUM 9.1 grs. in fl oz.
DOSE: 20 to 30 drops in sweetened water. Repeat
as required.

Fraser's Tablets

Antiasthmatic

No. 4

The Fraser Tablet Company

WHEATON CASSIUM

CHLORAL 100

3 oz.

CARPENTER & BURNE

45 N.W. 2nd St.
PORTLAND, OREG.

Dalin

Dalin
**Terms:**

- **Opium** – fluid obtained from the poppy plant
- **Opiates** – naturally occurring substance from the opium poppy that has pain relieving properties
- **Opioids** – synthetic drugs that act like morphine and are very effective pain relievers
Pain Pills
are prescribed 4
PAIN IS ALWAYS SUBJECTIVE AND CAN NEVER BE PROVED OR DISPROVED.
In order to treat the patient you must believe the patient.
Opioid Receptors

Receptor types
- mu, delta, kappa

Receptors located throughout body
- Pain relief: central and peripheral nervous system
- Reward and reinforcement: deep brain structures
- Side effects: constipation, sedation, itch, mental status changes

Receptor interactions
- Full agonists
- Partial agonists
- Antagonists
Endogenous Opioids

- Produced naturally in body
- Act on opioid receptors
  - Examples: endorphins, enkephalins, dynorphins, endomorphine
- Produce euphoria and pain relief;
  naturally increased when one feels pain or experiences pleasure
Many act like endorphins & other natural pain relievers

activate the same receptor sites in the brain

Body produces at least 20 different types of endorphins
Capsaicin contacts tongue
Body is tricked
Believes it’s in pain
Releases pain-relieving endorphins
Opioid Induced Hyperalgesia

Hyperalgesia - excessive sensitiveness or sensibility to pain

= Addiction
FROM RUSSIA WITH LOVE
Desomorphine
a.k.a. – krokodil
Codeine (OTC)
gasoline, hydrochloric acid, red phosphorous, iodine, paint thinner
65 million doses seized
Jan-March