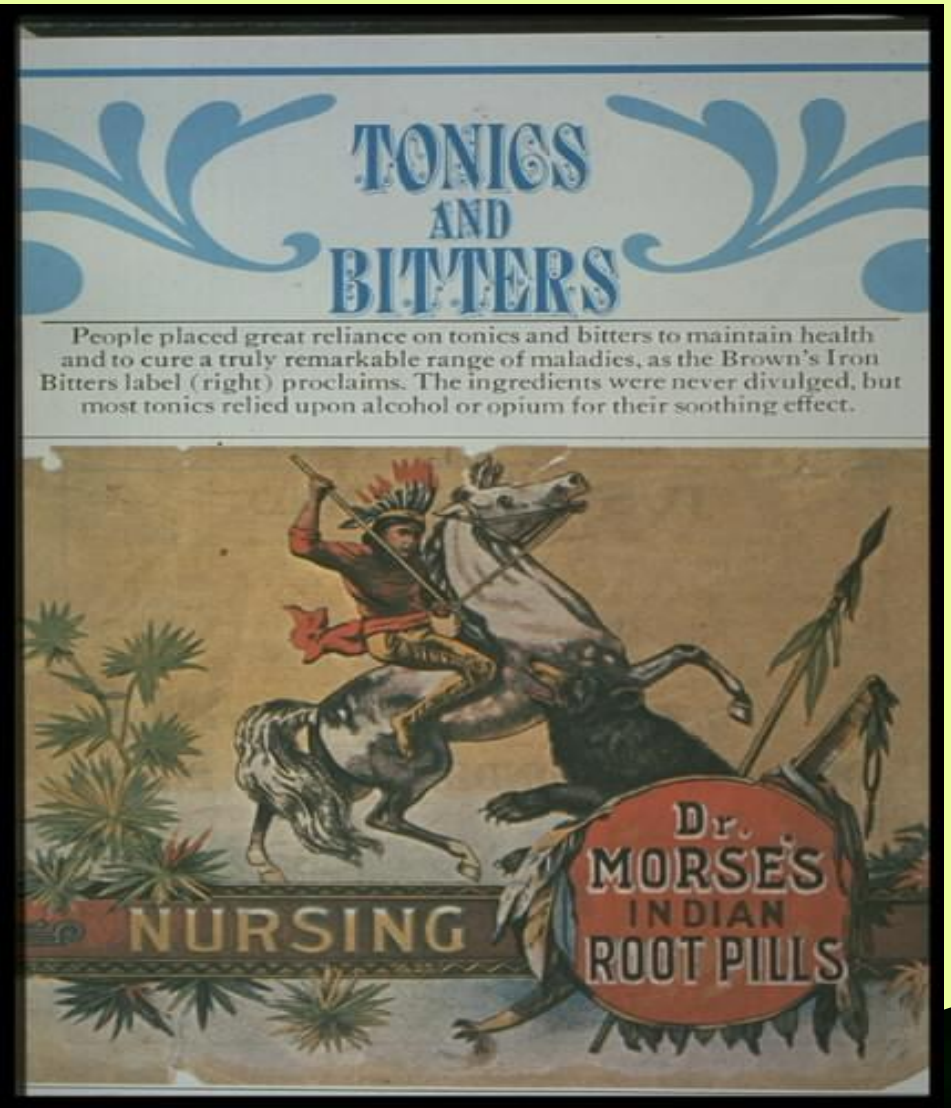
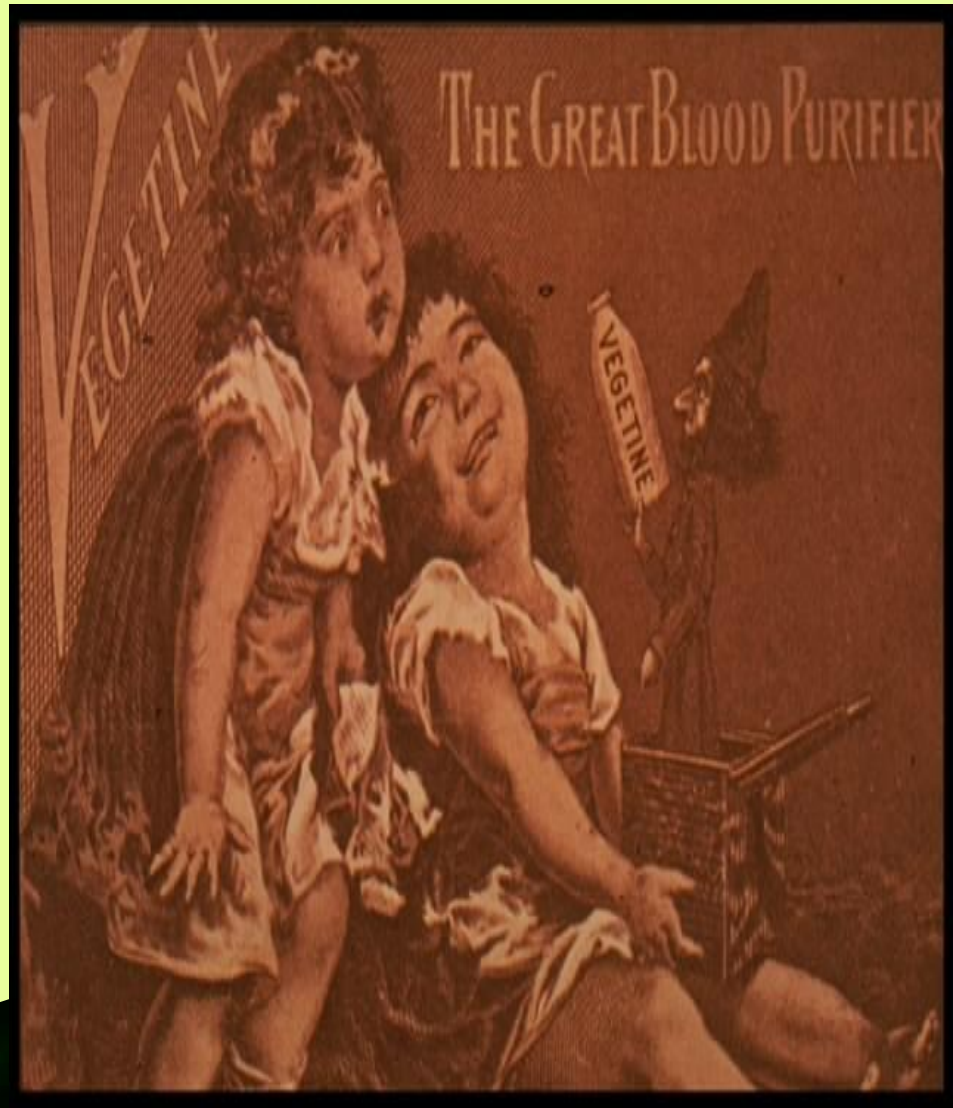

Pain Pills

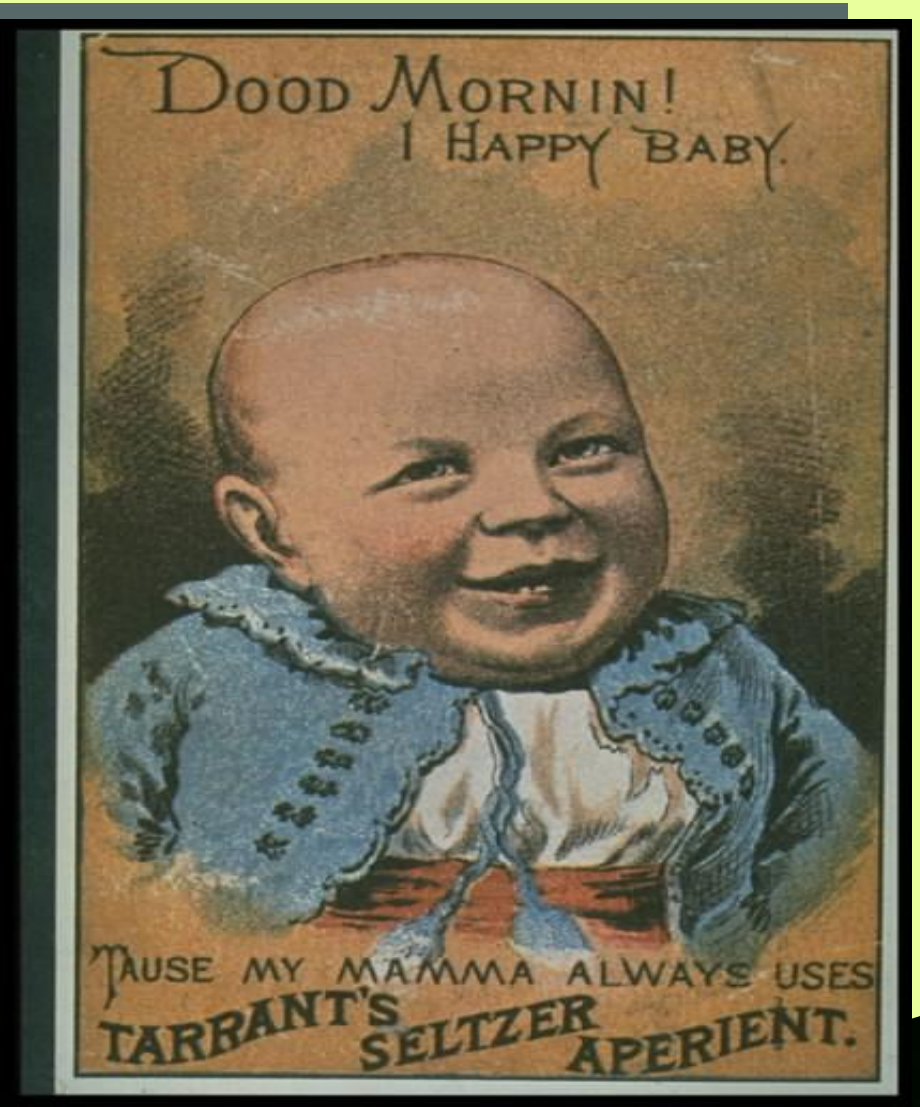
The drug of Choice during 1800's

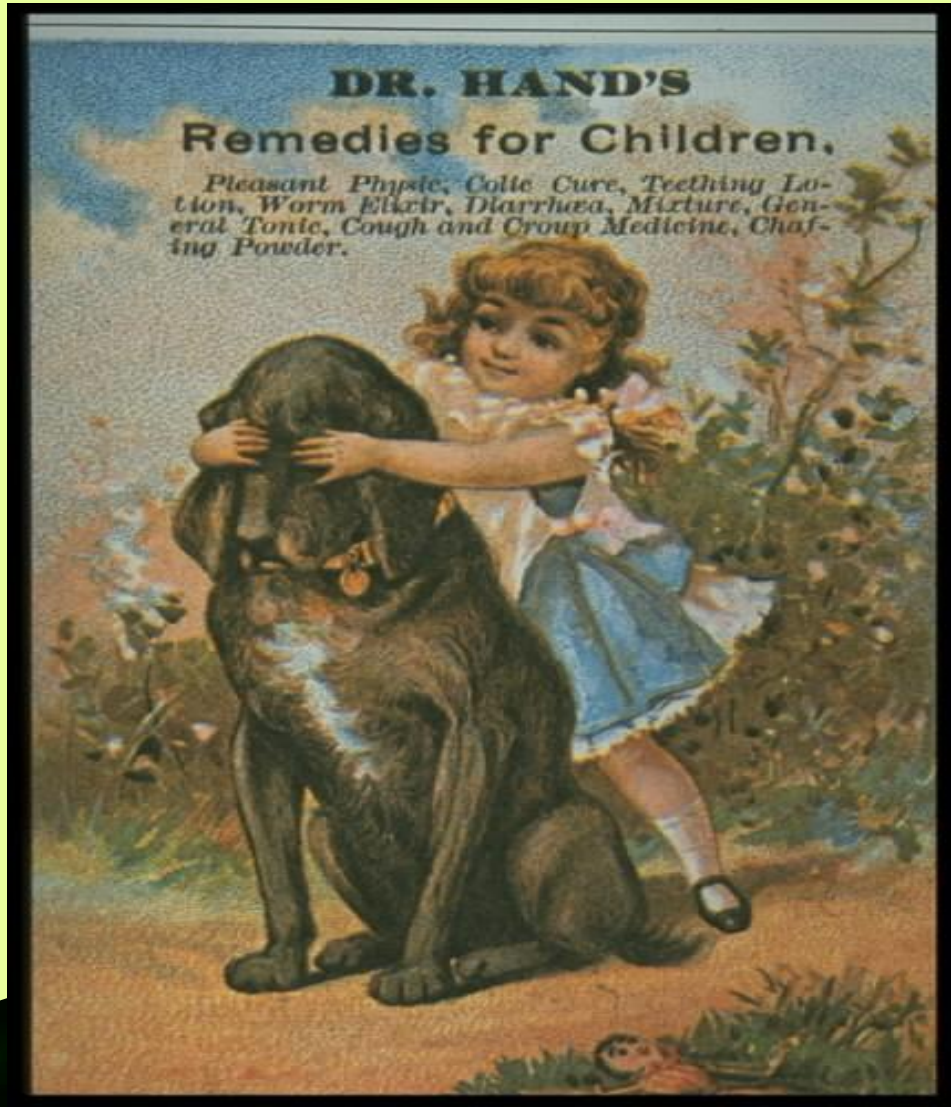


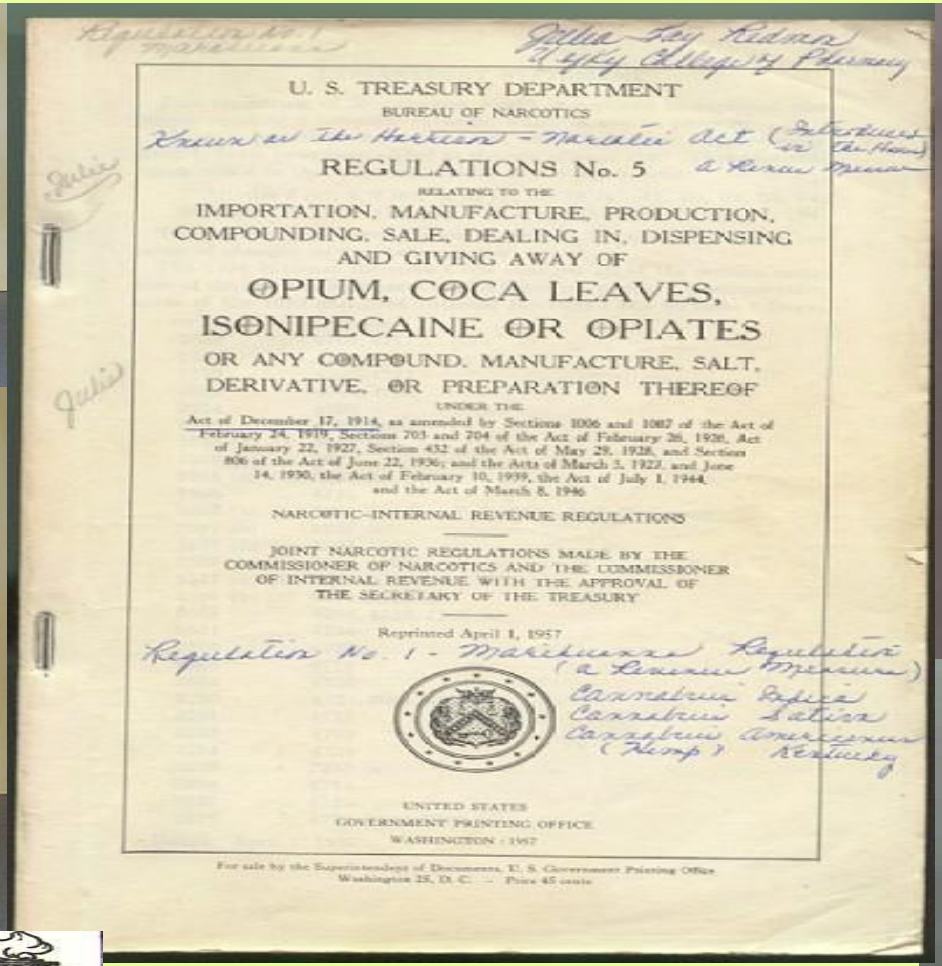
It was everywhere!



Opium-Mom's best friend!!






U. S. TREASURY DEPARTMENT
BUREAU OF NARCOTICS

Known as the Harrison - Narcotic Act

REGULATIONS No. 5

RELATING TO THE

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

OPIUM, COCA LEAVES, ISONIPECAINE OR OPIATES

OR ANY COMPOUND, MANUFACTURE, SALT, DERIVATIVE, OR PREPARATION THEREOF

UNDER THE

Act of December 17, 1914, as amended by Sections 1006 and 1007 of the Act of February 24, 1919, Section 703 and 704 of the Act of February 26, 1926, Act of January 22, 1927, Section 452 of the Act of May 29, 1928, and Section 806 of the Act of June 22, 1936; and the Acts of March 3, 1922, and June 14, 1930, the Act of February 10, 1939, the Act of July 1, 1944, and the Act of March 8, 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

Reprinted April 1, 1957

Regulation No. 1 - Marihuana

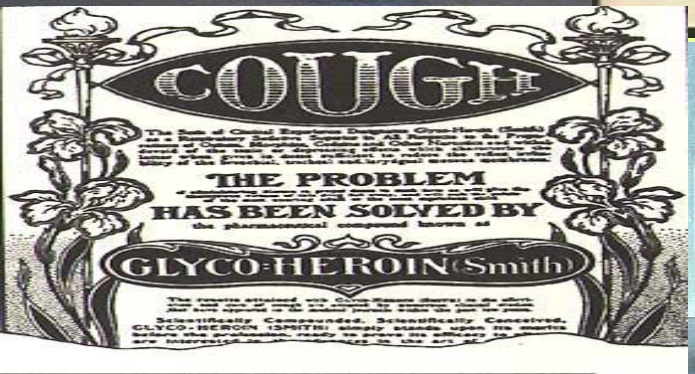
Cannabis Indica

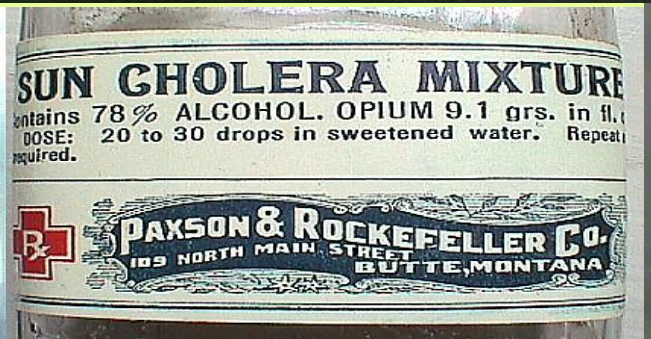
Cannabis Sativa

Cannabis Americana (Hemp)

UNITED STATES GOVERNMENT PRINTING OFFICE
WASHINGTON : 1957

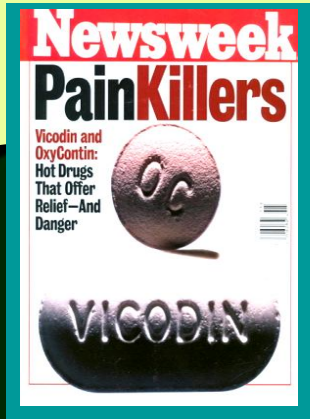
For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. — Price 45 cents





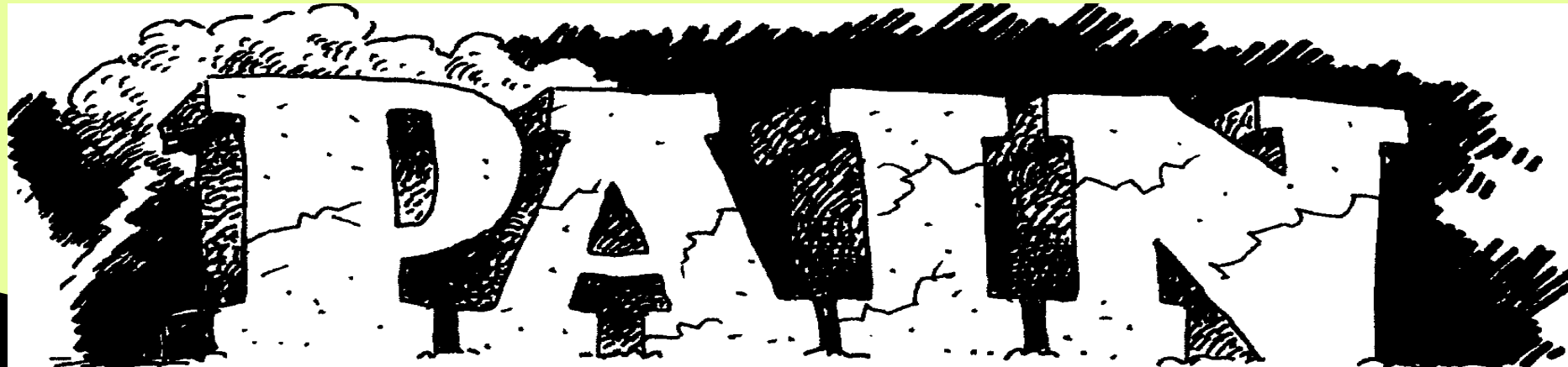
Terms:

- **<u>Opium</u> – fluid obtained from the poppy plant**
- **<u>Opiates</u> – naturally occurring substance from the opium poppy that has pain relieving properties**
- **<u>Opioids</u> – 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.

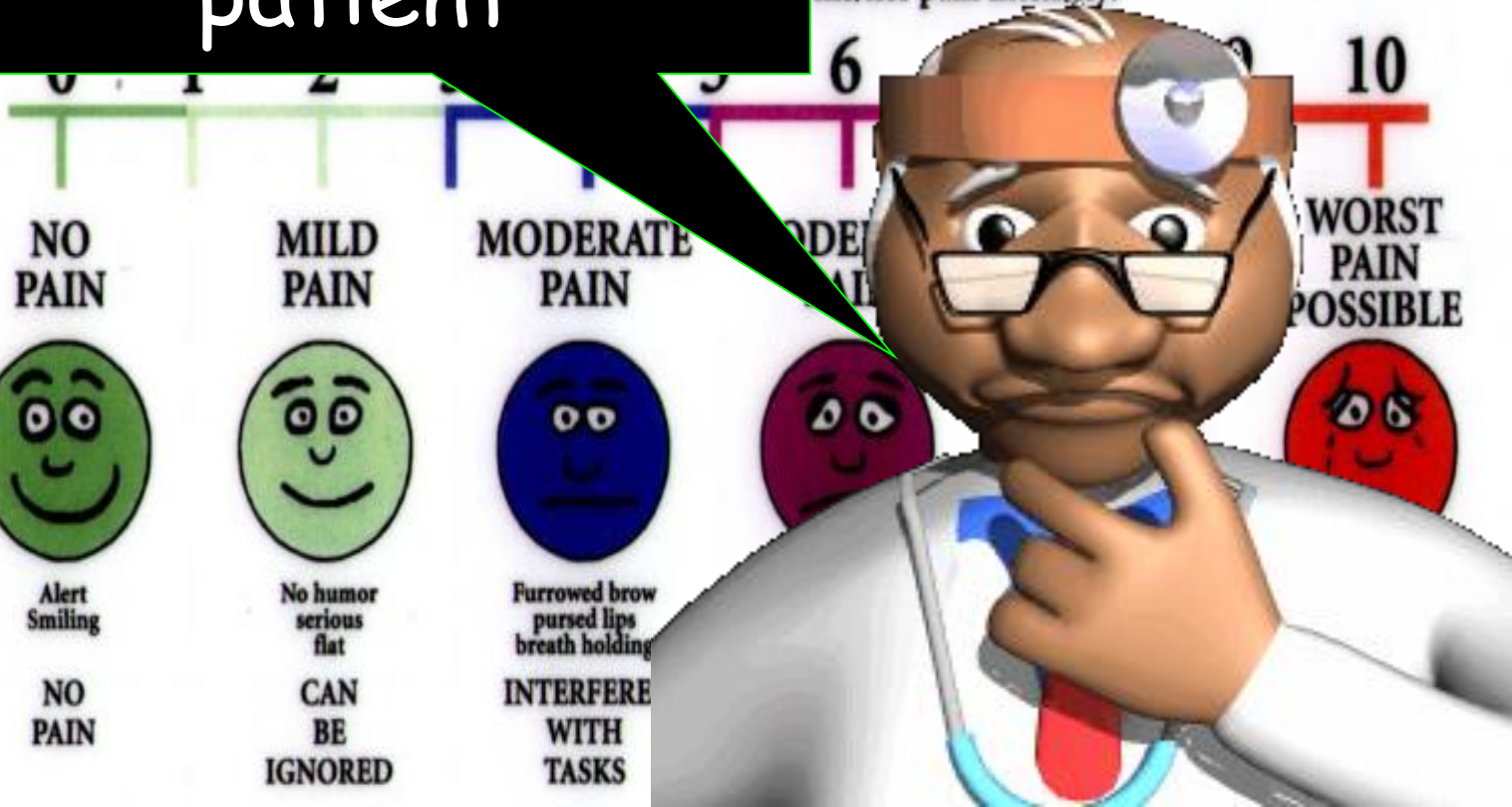
This pain assessment tool is intended to help patient care providers assess pain according to individual patient needs.
Explain and use 0-10 Scale for patient self-assessment. Use the faces or behavioral observations to interpret
/her pain intensity.

MODERATE

UN SSMENT TOOL

This pa s pain according to individual patient needs.
E or behavioral observations to interpret
his/her pain intensity.

In order to treat the patient you must believe the patient



Opioid Receptors

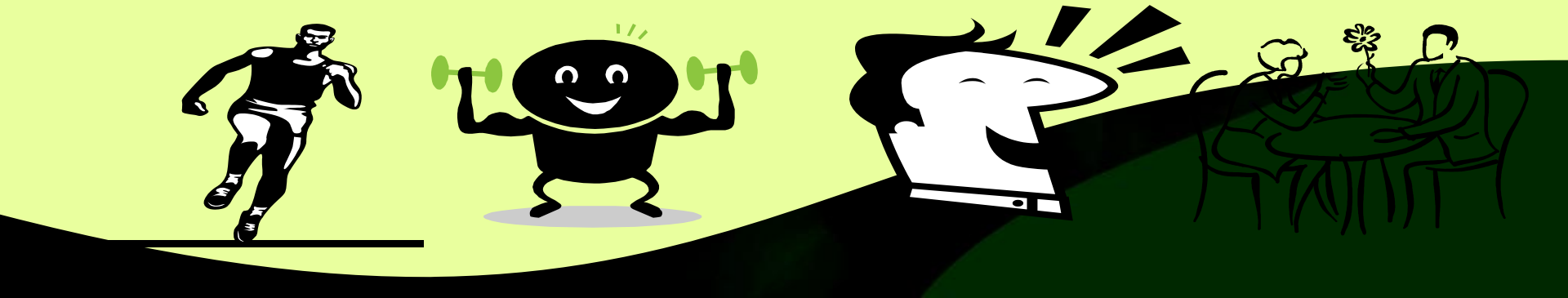
- **Receptor types**
  - **mu, delta, kappa**
- **Receptors located throughout body**
  - **Pain relief: central and peripheral nervous system**
  - **Reward and reinforcement: deep brain structures**
  - **Side effects: constipation, sedation, itch, mental status changes**
- **Receptor interactions**
  - **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***

How Painkillers Work

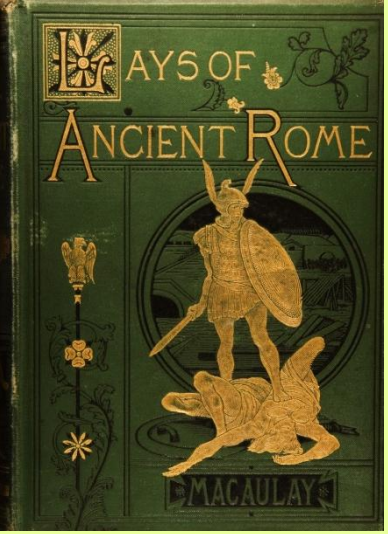
- **Many act like endorphins & other natural pain relievers**
  - **activate the same receptor sites in the brain**
    - **Body produces at least 20 different types of endorphins**



- Capsaicin contacts tongue
- Body is tricked
- Believes it's in pain
- Releases pain-relieving endorphins

OIH

- **Opioid Induced Hyperalgesia**
  - **Hyperalgesia - excessive sensitiveness or sensibility to pain**
- **= Addiction**


LAYS OF
ANCIENT ROME
MACAULAY

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