MALARIA
ANCIENT SCOURGE – STILL EVOLVING AND RELEVANT

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Protozoans

Ciliophora

Balantidium coli

Apicomplexa

Coccidia

Isospora belli

Toxoplasma gondii

Sarcocystis spp.

Cryptosporidium parvum

Pneumocystis carinii

Piroplasma

Plasmodium falciparum

Plasmodium vivax

Plasmodium malariae

Plasmodium ovale

Babesia microti

Kinetoplastida

Trypanosoma gambiense

Trypanosoma rhodesiense

Trypanosoma cruzi

Leishmania spp.

Other Flagellates

Chilimastix mesnili

Giardia lambdli

Trichomonas vaginalis

Sarcodina

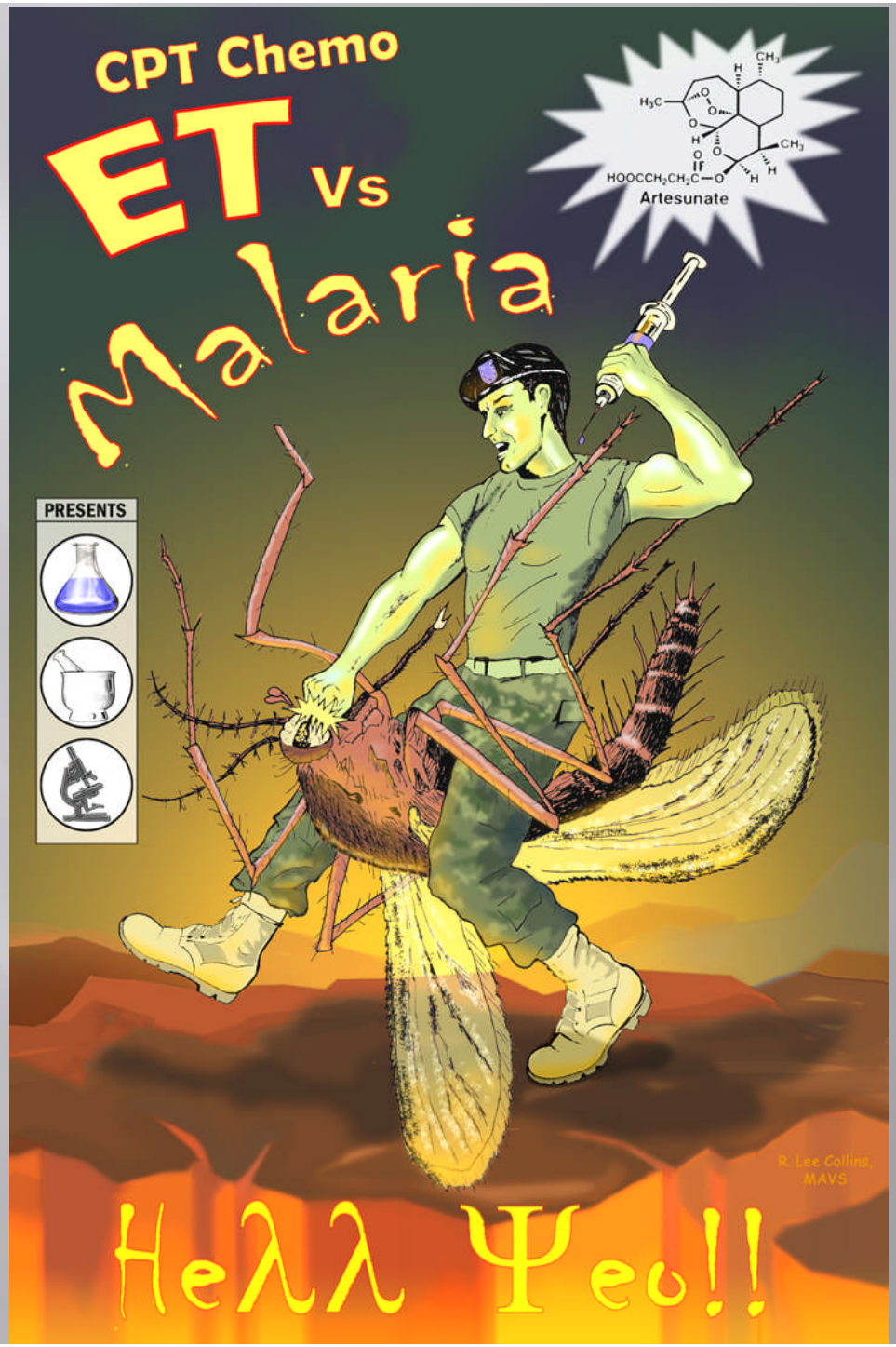
Entamoeba histolytica

Entamoeba coli

Endolimax nana

Iodamoeba buetschlii

Naeglaria fowleri


CPT Chemo
ET Vs
Malaria
Artesunate
PRESENTS
R. Lee Collins,
MAVS
HeλλΨeυ!!

History

- Chinese writings (2700 BC)
- The Eber's papyrus (1550 BC)
- Hippocrates (described malaria fevers)
- Greek civilizations affected by "bad air", the rich summered in the highlands
- Malaria in the United States???
  - First military expenditure in 1775 ($300) for quinine to protect G. Washington's troops
  - In Civil War (1861-65) 50% white and 80% of black troops w/ malaria annually

- 1880–Laveran made first sighting of parasite
- 1902-Ross awarded Nobel Prize (mosquito)
- 1927-Wagner von Jauregg awarded Nobel Prize for treating syphilis with malaria
- 1950-WHO plan for malaria eradication-1955
- mid-1960's, chloroquine-resistant *falciparium*
- Eradication effort declared dead in 1972