

# YELLOW FEVER NOTECATCHER





## Documenting the Yellow Fever Outbreak:

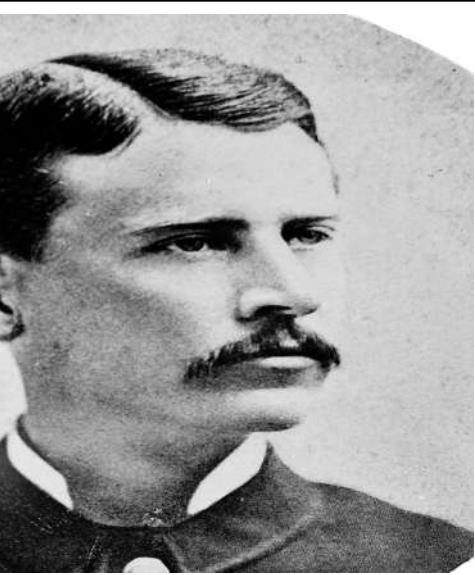

To create a comprehensive mini-documentary on Yellow Fever, we'll need to meticulously record key events, individuals, and any potential clues about disease transmission. As you learn new information throughout the unit, use this space to jot down relevant notes.

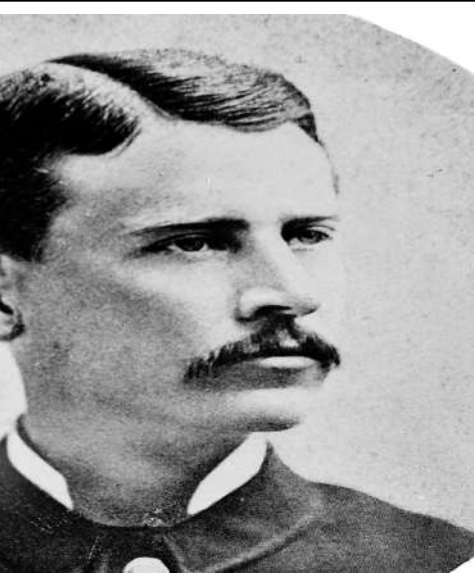

Your final assessment will ask, "What is an important trait for an investigator or problem solver?" Pay close attention to the doctors we encounter and note any valuable characteristics they demonstrate. These observations will help you answer the assessment question.

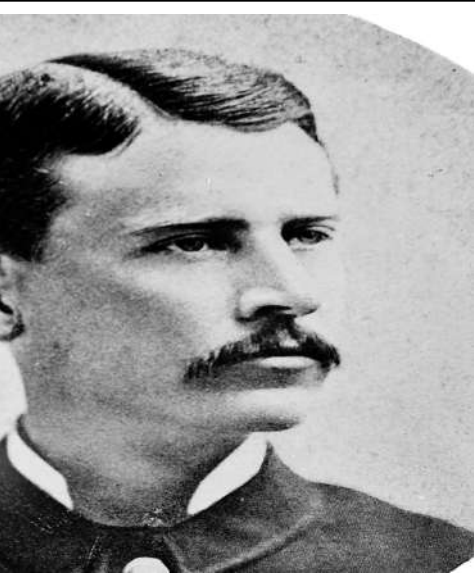

By keeping detailed and organized notes, you'll be well-prepared to create a compelling documentary and develop valuable investigative skills.

## Doctors

Dr. Walter Reed		What is their motivation? (Sub Unit 2-
	<ul style="list-style-type: none"> <li>• Aspires to be heroic</li> <li>• Committed/Determined</li> <li>• Brave to want to help others when he could get sick</li> <li>• Director of Team</li> <li>• Lying to his wife about Yellow Fever bc he doesn't want her to worry</li> </ul>	
Dr. James Carroll		What is their motivation? (Sub Unit 2-
	<ul style="list-style-type: none"> <li>• Boring guy</li> <li>• Nerdy</li> <li>• Loves his job</li> <li>• Bacteriologist</li> </ul>	<ul style="list-style-type: none"> <li>• He allowed the mosquito to bite because he didn't believe they transmitted yellow fever</li> <li>• Wanted to help Dr. Lazear</li> </ul>
Dr. Aristides Agramonte		What is their motivation? (Sub Unit 2-

Dr. Walter Reed	What is their motivation? (Sub Unit 2-
	<ul style="list-style-type: none"> <li>• Aspires to be heroic</li> <li>• Committed/Determined</li> <li>• Brave to want to help others when he could get sick</li> <li>• Director of Team</li> <li>• Lying to his wife about Yellow Fever bc he doesn't want her to worry</li> </ul>
	<ul style="list-style-type: none"> <li>• In charge of Autopsies</li> <li>• Charming man</li> </ul>
Dr. Jesse Lazear	What is their motivation? (Sub Unit 2-

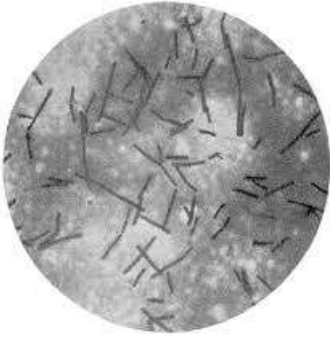
Dr. Walter Reed		What is their motivation? (Sub Unit 2-
	<ul style="list-style-type: none"> <li>• Aspires to be heroic</li> <li>• Committed/Determined</li> <li>• Brave to want to help others when he could get sick</li> <li>• <b>Director of Team</b></li> <li>• Lying to his wife about Yellow Fever bc he doesn't want her to worry</li> </ul>	
	<ul style="list-style-type: none"> <li>• Help study the bacteria</li> <li>• Charisma and smart</li> <li>• Leader of the team- wants team to stick together</li> <li>• RIP - He purposefully allowed a mosquito to bite him during a test</li> <li>• He did not tell his wife</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• He allowed the mosquito to bite him because he was getting frustrated that his experiments were failing</li> <li>• Thought some blood would prove the mosquito up</li> </ul>
Dr. Carlos Finlay		What is their motivation? (Sub Unit 2-

Dr. Walter Reed	What is their motivation? (Sub Unit 2-
	<ul style="list-style-type: none"> <li>• Aspires to be heroic</li> <li>• Committed/Determined</li> <li>• Brave to want to help others when he could get sick</li> <li>• <b>Director of Team</b></li> <li>• Lying to his wife about Yellow Fever bc he doesn't want her to worry</li> </ul>
	<ul style="list-style-type: none"> <li>• Cuban</li> <li>• Tried to prove that mosquito bites caused Yellow Fever</li> <li>• People thought he was a lunatic</li> <li>• Highly Educated</li> <li>• Knows 6 languages</li> <li>• Generous- treated patients for free</li> </ul>

## Theories (Lesson 3 & 6)

### Three Theories of Yellow Fever Transmission (Sub Unit 2- Lesson 3)

Bacteria (*Bacillus icteroides*)



- Dr. Giuseppe Sanarelli stated yellow fever spreads through bacteria
- This bacteria actually causes hog cholera
- Four doctors tried to find traces of BI in both alive and dead patients
- The doctors did NOT find that BI caused Yellow Fever

Contamination through items



- This theory states that yellow fever is spread through clothing, bedding, and furniture
- No scientist had proven this to be true
- This theory was proven discredited when the prisoners did not also get sick

Spread through mosquitoes



- Dr. Finlay's theory
- The experiments were unsuccessful
- After Lazear's experiments- this theory was proven correct
- Has to bite human with yellow fever within 3 days
- It has to bite a human within 7 to 17 days



## Camp Columbia (Lesson 6)



What happened in Camp Columbia to narrow down the theories to just one?

- BI was proven to not be the way yellow fever is transmitted
- The prisoner died of yellow fever but none of his cell mates did, which proves it was not through contamination

## Yellow Fever Infections (Lesson 11)

Name	Facts of Case	Remaining Questions
Lazear	<ul style="list-style-type: none"><li>• Died of yellow fever</li><li>• Left two kids and a wife</li></ul>	<ul style="list-style-type: none"><li>• Intentional or an accident?</li><li>• Hero or Reckless?</li></ul>



Carroll



- Bit- but survived

- 



Dean



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	Mosquito Experiment	Contaminated Clothing Experiment
Risks  	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
Rewards  	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>

### Experiments (Lesson 13)

Contaminated Clothing	Contaminated Air	Mosquito Bites
<ul style="list-style-type: none"> <li>Volunteers slept in poop/pee/vomit covered clothes from people that had yellow fever - No one got it</li> <li>Only got \$100</li> </ul>	<ul style="list-style-type: none"> <li>No one got yellow fever that shared air</li> </ul>	<ul style="list-style-type: none"> <li>John Moran was bit by a mosquito and got yellow fever</li> </ul>

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Final Thoughts/Wrap Up

Dr. Reed and the Hippocratic Oath
<ul style="list-style-type: none"><li></li></ul>
Yellow Fever Today
<ul style="list-style-type: none"><li></li></ul>
Additional Notes
<ul style="list-style-type: none"><li></li></ul>