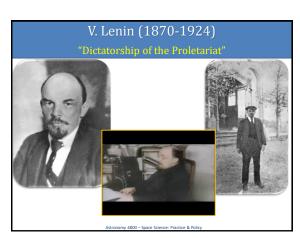




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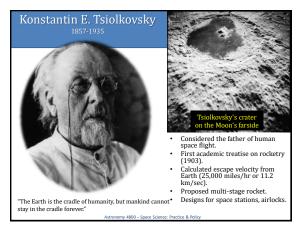
Class Exercise

Based upon your reading in <u>McDougall</u>, compare and contrast the political and economic systems in America and Russia in the early 20th century.

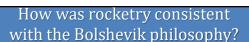


Comparison of Soviet & American <u>Systems</u> in the Early 20th Century

Characteristic	U.S.S.R.	U.S.
Economy	Socialist/Communist	Capitalist
Political/CEO	Totalitarian/Dictator	Democracy/President
Commerce	Collectives	Private industry
Income level	Very poor	Wealthy
R&D	Little technology	Advancing after WWII
International relations	Isolationist	Isolationist



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- Technology needed to survive and compete with the West (Lenin's lesson from WWI).
- But Soviets were ideologically opposed to free exchange of ideas!
- Centralized R&D was seductive feature of Soviet system (command & control).



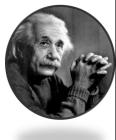
8



9

Einstein's view of USSR in 1932

"At the top there appears to be a personal struggle in which the foulest means are used by power-hungry individuals acting from purely selfish motives. At the bottom there seems to be complete suppression of individual and freedom of speech. One wonders whether life is worth living under such conditions."



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What was the impact of German V-2 rockets after the war?

- Von Braun began the U.S. space program at White Sands, NM.
- What did the Soviets get?
- The role of Korolev.
- Military implications to deliver H-bombs via ICBMs.



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How did Russian paranoia & the need to catch up drive rocket technology development?

- Tension between "borrowing" and developing technology
- Lack of competitive stimulus
- Risks of failure
- Scarcity of skilled labor
- Organization separation of R&D and production

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