



# Nuclear sharing (voluntary and otherwise)

Jake Hecla

3/4/21

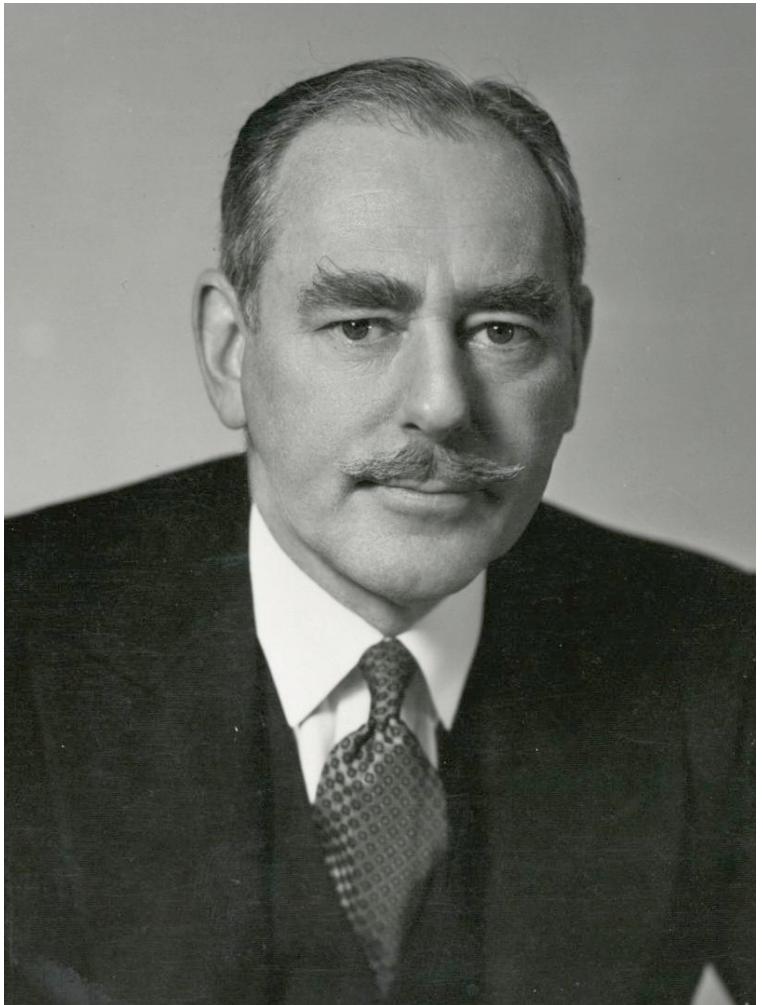
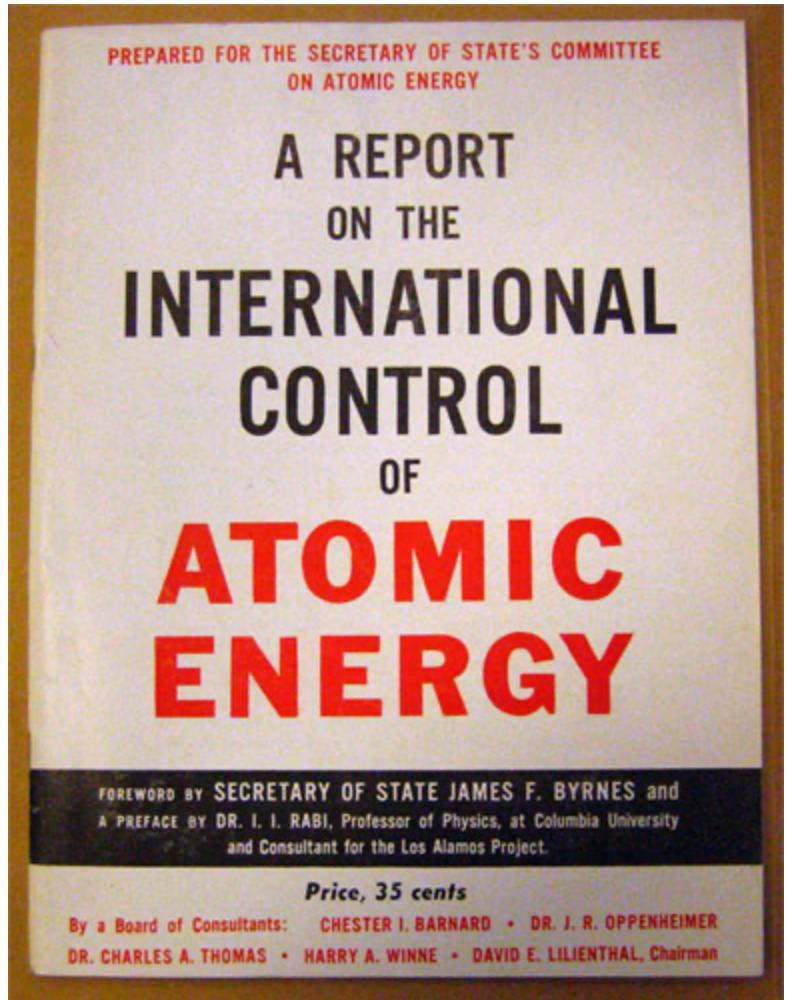


# What we are covering

- The debate on nuclear sharing as embodied by the Acheson-Lilienthal and Baruch Plans
- Soviet espionage on the Manhattan Project and why ultimately sharing was taking place, just not the sharing the US wanted



# The Acheson-Lilienthal Plan



Dean Acheson– Assistant SecDef



# The Acheson-Lilienthal Plan



**USSR** would not develop nuclear arms

Would get full knowledge of atomic bomb design / SNM production

## Atomic Development Authority

- Mining
- Refining
- Storage of SNM
- Dispense SNM for peaceful research



**US** would eliminate nuclear stockpiles (no timeline given)

All devices capable of making armaments (reactors etc) owned by ADA

## Other countries

- Would be aided in peaceful research
- No inspections

# Baruch Plan

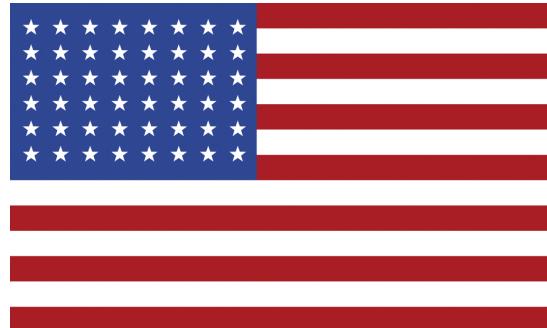


*Information + material*  
*Inspections regime*

**USSR** would not develop nuclear arms

Would get full knowledge of atomic bomb design / SNM production

**UNSC-proof sanctions for violations**



*Information + material*  
*Inspections regime*

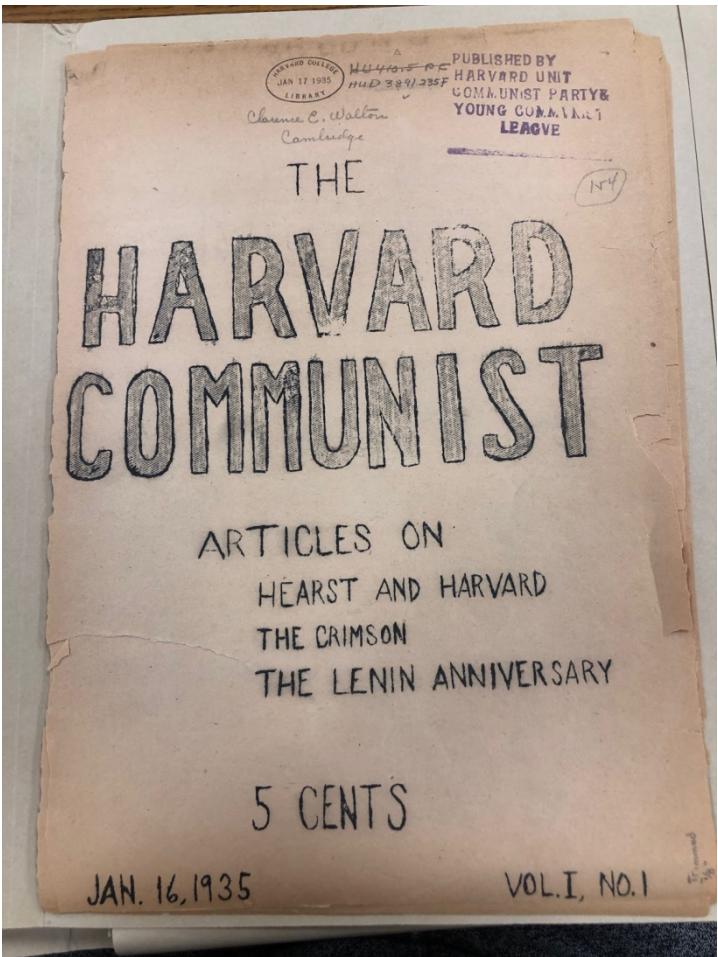
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# Social and political context: Pre-War Socialism



- In the interwar years, the ideas of world communism as promoted by the USSR had global appeal

# The internationalist idea was popular among academics



- Promised and end to horrifying exploitation common in that era
- Global membership in socialist/communist societies was large, and many were pro-Soviet

# Context: Russia's tumultuous start to the 20<sup>th</sup> century



- Russian revolution: 1918-23
- Lenin dies, 1924

# Birth of Russian Spycraft



**"Bolshevik Freedom"** A Polish propaganda poster depicting Trotsky during the Red Terror (~100-200k victims, 1917-22)

- All-Russian Extraordinary (or Emergency) Commission for Combating Counter-Revolution and Sabotage under the Council of People's Commissars of the RSFSR
- Called the *Cheka*, staffed by “Chekists”

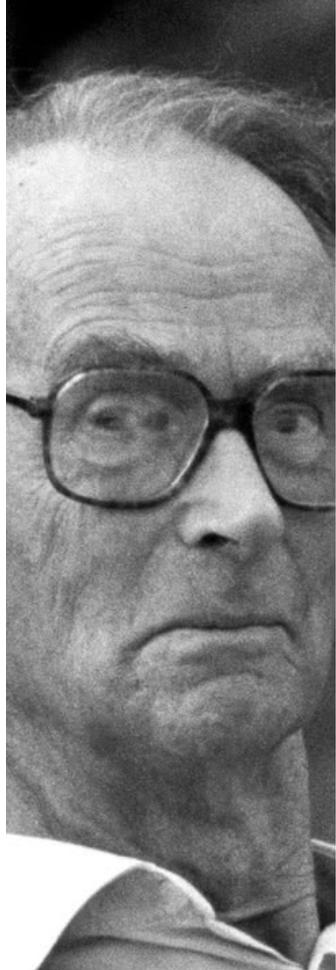
# “Special Services” were prioritized in the Soviet Union



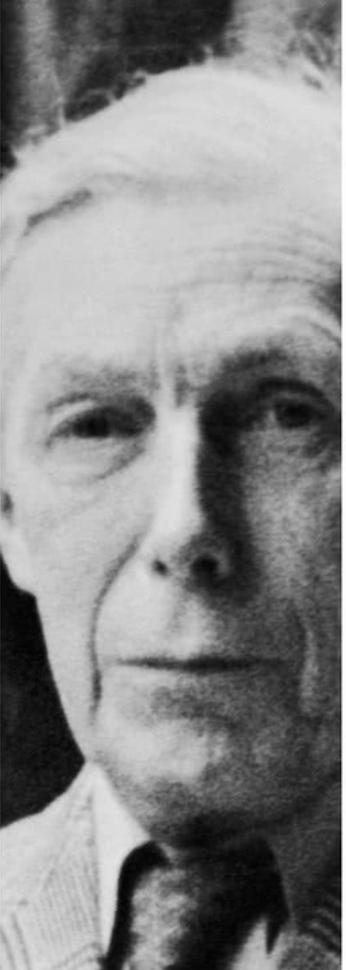
- Soviet officials constantly feared internal enemies as they sought to produce the same in other countries
- Cult of the Chekist and



# The Cambridge Five (~1930s-50s)



Cairncross



Sir Anthony Blunt



Burgess



Philby



MacLean

Getty Images

# When looking for a rat, think MICE

- Money
- Ideology
- Compromise
- Ego

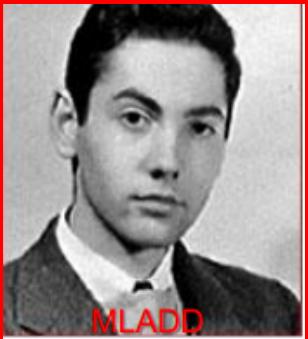




# Atomic Spies



CHARLES



MLADD



KALIBR



GODSEND

Agents with  
access to  
information



ARNO



STAR



ANTENNA

Couriers with access  
to both agents and  
official-cover officers



Intelligence officers at  
Soviet New York Embassy

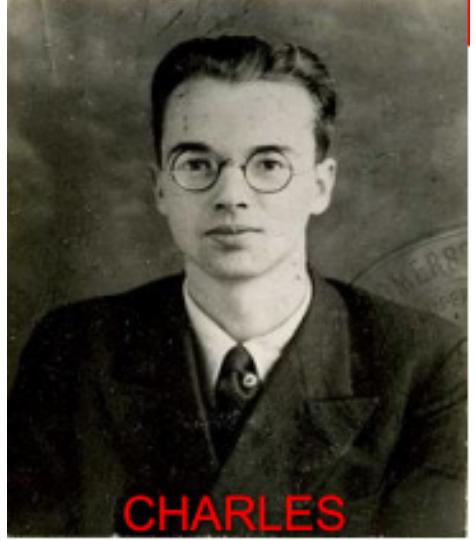
# Atomic spies: Ted Hall and Saville Sax

- Ted Hall: Physicist, joined Manhattan project age 19 after graduating Harvard
- Approached the Soviets as a walk-in, visiting the Soviet Embassy in NY in Oct. 1944
- Saville Sax, his college roommate, acted as a courier till the end of 1945
- CONTINUED reporting on activities after the end of the war using Lona Cohen



# Atomic spies: Klaus Fuchs and Harry Gold

- Fuchs (agent): Raised in Germany, son of Lutheran theologian
- Violently anti-Nazi
- Began working for Soviet intelligence during fight against Nazis



- Gold (courier): Raised in Ukraine and the US, radicalized by his mother



# Atomic Spy: David Greenglass

- Greenglass was a failed engineer, but excellent machinist
- Committed communist along with his wife; passed background checks by just lying
- Couriers were Julius and Ethel Rosenberg





# Atomic Spy: Oscar Seborer

- Electronics engineer
- Worked on seismic measurements of the bomb
- Fled US in 1951
- Brother (Stuart) also spied, still living in Moscow

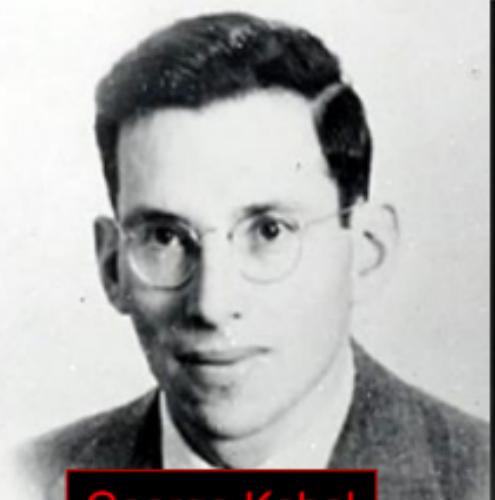


S. Oscar SEBORER, b. 4 June 1921, NYC , is an electronics engineer. About 1942 he was an ordinance inspector, Naval Torpedo Plant, Alexandria, Va. From 1944-'46 he was assigned to the "Manhattan Engineering Project" (cover name for atomic bomb development project) at Los Alamos, N.M. From 20 Sep. '48 to 26 Aug. '50 he was assigned with the Dept. of the Navy, Fort Trumbull, New London, Conn. From 1950 to '51 he worked in the Sonar Branch, Bureau of Ships, Washington, D.C., primarily in harbor defense and advanced bases, having been transferred from the US Naval Underwater Sound Lab., New London, Conn. On 3 July 1951 he left for "Europe" (USSR actually with Stuart Jack SEBORER.

# George Koval



## George Koval Code Name “Delmar”



George Koval



George Koval died in Moscow on 31 January 2006. His role was never officially recognized until 2 November 2007, when the Kremlin announced his posthumous decoration with the highest state honor, “Hero of Russia.” Cited among his major contributions to the Soviet atomic project was the design of the “neutron fuse” for the first Soviet atomic device, which was tested on August 23, 1949. Koval was cited for “his courage and heroism while carrying out special missions and was the only Soviet intelligence officer to infiltrate the Manhattan Project’s secret plants.”



# The Spymasters

FD-36 (Rev. 3-13-56)

**FBI** *[Handwritten signatures]*

Date: 7/12/61

Transmit the following in *[Redacted]*  
(Type in plain text or code)

Via **AIRTEL** REGISTERED MAIL, AMSD  
(Priority or Method of Mailing)

TO : DIRECTOR, FBI (100-428091)

FROM: SAC, CHICAGO (134-46, Sub B)

*[Handwritten notes: SOLO, IS - C, alpha/beta, N/A, ReBulet 6/14/61 and CGlet 6/23/61, captioned, [Redacted]]*

During a Solo contact with VLADIMIR BARKOVSKY, Soviet UN official, New York City, on 3/25/61, BARKOVSKY requested CG 5824-S\* to ascertain the status of [Redacted] *CH/IF* a school teacher who was in the CP from 1950-59 while residing in California and was a person known to *[Redacted] CH MEMBER*.

During the period of 6/9-11/61, CG 5824-S\* had opportunity to discuss with [Redacted] in New York City the matter relating to [Redacted]. At that time [Redacted] indicated that the name was vaguely familiar but he could not specifically recall the subject. [Redacted] agreed to make inquiries and furnish this info to CG 5824-S\*.

3-Bureau (Enc. 2) (RM) (AMSD)  
1-New York (Enc. 4) (RM) (AMSD)  
(1-100-134637) (SOLO)  
1-Chicago

RWH:MDW  
(5)

*[Handwritten signatures: ENCLOSURE, OM, ENCL, ATTACHED, 3A/HB, f/k/a, REC-18, 100-428091-1365, 20 JUL 17 1961]*

Approved: *[Signature]* Sent \_\_\_\_\_ M Per \_\_\_\_\_  
57 JUL 21 1961 Special Agent in Charge

