12-1-1958

Soviet Science and Engineering

Lewis F. Powell Jr.

Follow this and additional works at: https://scholarlycommons.law.wlu.edu/powellspeeches

Part of the Engineering Education Commons
Soviet Science & Engineering

The Soviet "secret weapon" is science.

The Soviets promote scientific achievement with enormous resources of money and manpower, primarily as follows:

1. Soviet Education.
   
   50% of curriculum of public schools.
   
   Institutes, Technikums and Universities.
   
   65% of Moscow University.

2. Scientific Research.

   Academy of Science (1726).
   
   Elite body -- 200 full members plus 300 "candidate members".
   
   Directs research of 250,000 scientists.

3. Incentives and Awards.

   President Malot (Cornell) says:
   
   "The Soviets are becoming Capitalistic almost faster than the Western world is embracing Socialism."
Article 118 of Constitution guarantees payment for work "in accordance with its quantity and quality".

The new aristocracy.

Scientists -- $50,000/$100,000 per year.

4. Utilization of Western Knowledge.

Soviet "abstracting" service.

2,000 Soviet scientific journals not available to West.

* * *

Export of Scientists and Engineers

Senator Benton -- Soviets are "producing almost 3 times as many new engineers" as the United States.

Soviets will train 1,200,000 engineers as compared with 800,000 in the United States during decade 1950-1960.

Soviet "surplus" is being exported.

Clever way to disseminate Communism.
Issue May Be American Survival

Committee of House of Representatives on Astronautics and Space Exploration concluded:

"If a stumbling block exists (to American survival), it will probably be found in one of two directions, namely (1) within our educational program where, relative to the Soviet Union, too few scientists and engineers are being trained ...".
Soviet Science & Engineering
(Secret Western)

Soviet's promote scientific achievement with enormous resources of money & manpower, primarily as follows:

1. Education
   50% of Curriculum
   65% to U. of Moscow

2. Scientific Research
   Academy of Sciences (1726)
   Elite Body: 200
   300 candidate members
   250,000 Scientists
   New Budget: 24,000,000,000
   Research: 6,800,000,000

3. Incentives & Rewards
   Pres. Malot (Cornell) says:
   "The Soviets are becoming capitalistic almost faster than the Western World in embracing Socialism."

   Act 118 of Court.
   New Aristocracy
   Scientists: $50/100,000
4. Utilization of Western Knowledge
   "Abstracting service"
   2000 journals in Russian

Export of Scientists & Eng.

Senator Benton - 3 times as many

Part of Soviet Foreign Aid
(Separate Card)