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Smithsonian National Air and Space Museum Archives

Correspondence of A. Roy Knabenshue, 1943-1953

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10. First robot planes.
11. Mass paratroop landings.
12. Air Transport Command (A.T.C.) and Naval Transport Command (N.A.T.S.) during war operations.
 - a) Flying China's hump, etc.
13. Delivery of A-bomb; victory.

VII POST-WAR AND KOREA - Jets and guided missiles revolutionize aviation.

Editorial (including statement by key person representative of era) covering start of supersonic and guided missile age; demobilization of U.S. war industry and reduction of aircraft production; struggle between Airforce and Navy over big peacetime airforce; creation of Department of Airforce in Defense Department; rapid growth of commercial transportation - particularly air freight; airlines as medium of transportation become key to developing backward countries; remobilization of war industry after start of Korean War; Russia's emergence as a first-rate airpower, etc.

- A. Hasty demobilization of U.S. war industry - drop in aircraft production.
 1. Lack of appropriations for proper research and development.
 2. Heavy increase in passenger transportation by air - domestic and overseas.
 3. Increase of freight and non-scheduled airlines.

B. England keeps up research, produces good quality planes, pioneers with jet airliners.

- C. War in Korea - testing of American and British vs. Russian aircraft.
 1. Russian aircraft industry improves in quality with help of German scientists and slave labor appears to have passed U.S. in production.

- D. Technological advances.
 1. Guided missiles.
 2. Improvement in radar, fire control, etc. (U.S. heavy jet planes vs. Russia's lighter, faster planes)
 3. Supersonic speed, problems of temperature, safety of pilot, etc.
 4. Robot airplanes, etc.

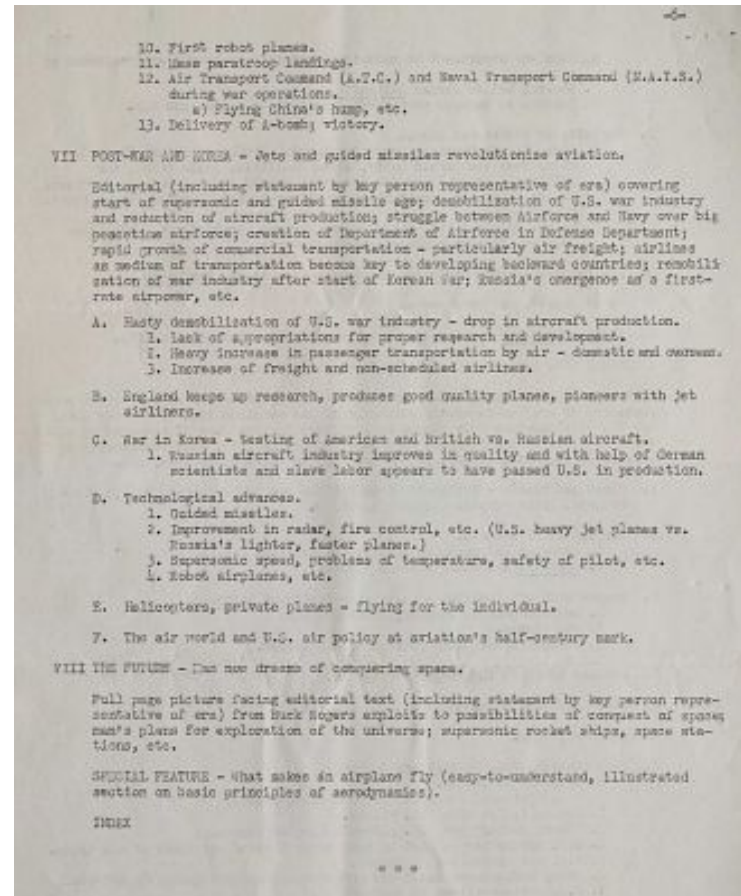
E. Helicopters, private planes - flying for the individual.

F. The air world and U.S. air policy at aviation's half-century mark.

VIII THE FUTURE - Man now dreams of conquering space.

Full page picture facing editorial text (including statement by key person representative of era) from Buck Rogers exploits to possibilities of conquest of space; man's plans for exploration of the universe; supersonic rocket ships, space stations, etc.

SPECIAL FEATURE - What makes an airplane fly (easy-to-understand, illustrated section on basic principles of aerodynamics).



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