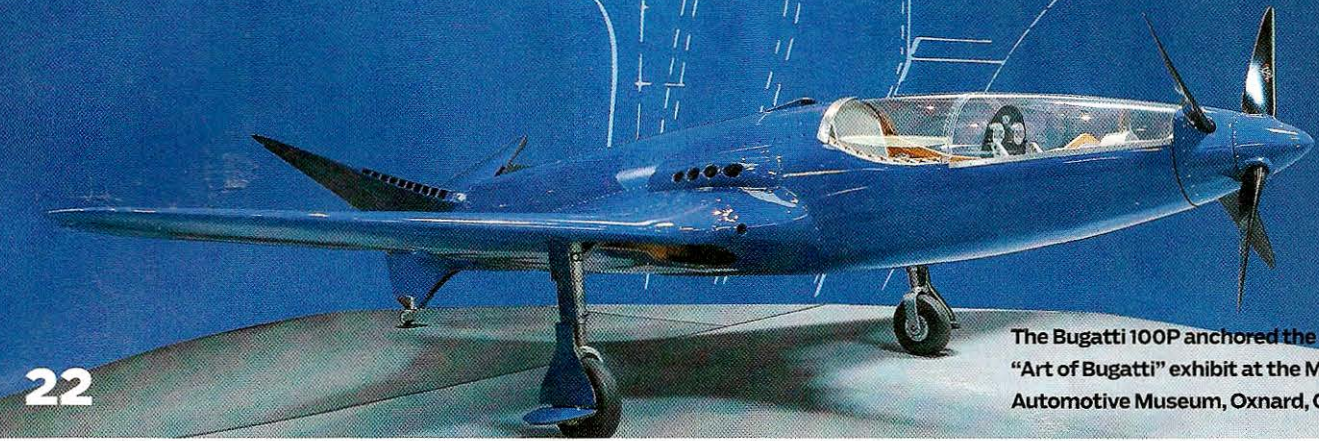


AIR & SPACE

Smithsonian



The Bugatti 100P anchored the 2014 "Art of Bugatti" exhibit at the Mullin Automotive Museum, Oxnard, California.

22

Features

22 French Racing Blue

Ettore Bugatti built fast cars. His one airplane was never tested—until now.

BY PRESTON LERNER

28 Solved: The Mystery of the MiG-29

MiGs had been the equal of U.S. fighters. Would the -29 be better?

BY JOHN SOTHAM

36 CANCELLED Chubby in a Vicious Way

The Gregor FDB-1 fighting biplane.

BY GRAHAM CHANDLER



ON THE COVER: The Polish air force MiG-29A in Bartosz Bera's photograph looks like it means business. Based at Siauliai air base in Lithuania, four Fulcrums from Poland are flying with four Royal Air Force Typhoons to secure the air above Lithuania, Latvia, and Estonia.

38 The Great Big, Beautiful Tomorrow

A view from the first World's Fair of the Space Age, predicting a jet pack in every garage.

BY ALLEN ABEL



42 Barefoot Pilots of the Maldives

Why floatplane pilots and de Havilland Twin Otters prefer this South Asian archipelago.

BY DAVID SHAFTEL

50 The Incredible Shrinking Space Program

Planetary explorers smaller than your microwave oven.

BY MARK BETANCOURT

54 Special Introductory Airplane

Since the 1950s, airplane builders have tried to make prospective pilots offers they can't refuse.

BY GEORGE C. LARSON

60 Diary of a World War I Ace

A young pilot's mementos from a German prison.

BY REBECCA MAKSEL



60

Departments

2 Viewport Museum collections go digital

4 Letters

8 What's Up
Happy 50th birthday, RAF Red Arrows

10 Soundings A hunk of Sputnik IV; fake jump

14 Bill Sweetman Technically Speaking
The 737 triumphs

16 Above & Beyond
Spacewalkers all wet

18 Flights & Fancy
Fly (and strum) Hawaii

20 In the Museum
Rocket's red glare

66 Sightings
Untouched planet Earth

68 Reviews & Previews
Books, iPad apps, more

74 Credits

75 Forecast

76 One More Thing
Roscoe Turner's racer