



WHAT?—Here are two views of the startling new Russian glider equipped with flapping wings. At top, wings point downward. At bottom, they have reversed their angle. The photos, printed in the magazine *Aero Digest*, were

copied from the Russian popular magazine "Wings of the Fatherland." The craft is credited to Soviet Engineer A. U. Manozkow. The flexible wing support is used mainly for steady flight, not for propelling purposes.

—Associated Press Wirephoto.

New Russian Glider Has Innovation--Wings That Flap

WASHINGTON, May 7. — (AP) — A Russian engineer may have become the first person to fly like a bird—in a sailplane with flapping wings, the magazine *Aero Digest* said today.

The aviation publication printed a translation of an arti-

cle from a Russian popular magazine, "Wings of the Fatherland," attributing the achievement to a Soviet engineer, A. U. Manozkow of Kiev. He named the flapping-wing glider the "Kashuk."

The flapping wings apparently were designed to steady

the glider's flight, not to propel the craft through the air.

The craft was described as a singleplace monoplane with cantilever wing of three main spars, but with conventional fuselage construction and controls. The wing action is controlled by air compression in a pneumatic cylinder.