

AVIATION WEEK

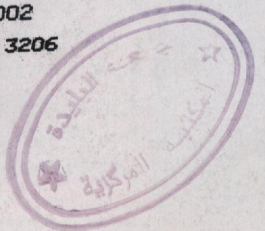
& SPACE TECHNOLOGY



SIMULATING HIGH-G FLIGHT

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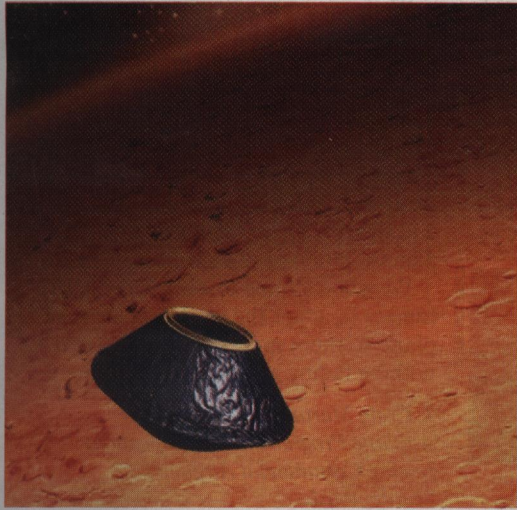
ABOUT THE COVER

Maj. Ulf Bladh "flies" a mission in the Swedish air force's new Dynamic Flight Simulator. Configured as a JAS 39 Gripen fighter cockpit with a three-screen visual display, the Wyle Laboratories-developed system is a combined flight simulator and centrifuge, allowing pilots to replicate the pitch, roll and normal accelerations of actual flight (see p. 46). Swedish Defense Materiel Administration photo by Pia Eriksson.

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BEHIND THE SCENES

Swedish air force Capt. Christopher Gruv makes sure *Aviation Week & Space Technology* Rocky Mountain Bureau Chief William B. Scott is strapped-in and prepared for a "flight" in the service's new Dynamic Flight Simulator (see p. 46). Built by Wyle Laboratories, the DFS features a three-screen visual system, is configured like a JAS 39 Gripen fighter cockpit and allows line pilots to pull up to 9g. The combined simulator/centrifuge system is used for both pilot training and aeromedical research.

