



SCIENCE PHOTO BRIEFS
No. 74 - 5 Photos

"TUNNEL WITH 3000-MILE WINDS
WILL TEST U.S. SPACESHIPS"

16 FEB. 1960

4-5 The four-motor drive system (lower photo) for the supersonic wind tunnel has two large motors, each more than 20 feet high, weighing 225 tons and developing 83,000 horsepower. Together with two 25,000-horsepower "starting" motors, the tandem-style machine operates large compressors to produce simulated gales of transonic and supersonic velocity. A portion of the 287-foot-long supersonic compressor unit is shown in the photo at top. The system, which can be used for either wind tunnel separately or for both simultaneously, has four compressors with a total of 21 separate stages. (59-22424) (See also accompanying text)

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SCIENCE ⁵⁴ - ASTRONAUTICS (RESEARCH)

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