

---

Journal of the  
AERO-SPACE TRANSPORT DIVISION  
Proceedings of the American Society of Civil Engineers

---

AERO-SPACE TRANSPORT DIVISION  
EXECUTIVE COMMITTEE

Reginald J. Sutherland, Chairman; Frank M. Mellinger; Vice-Chairman;  
Donald A. Buck; William E. Downes, Jr.; William C. Borland, Secretary  
Roger H. Gilman, Board Contact Member

COMMITTEE ON PUBLICATIONS

Walter E. Gillfillan, Chairman, Julian L. Bardoff;  
S. Russell Stearns, Max Weinroth  
Frank M. Mellinger, Executive Committee Contact Member

CONTENTS

April, 1963

Papers

	Page
Subgrade Stabilization Under an Existing Runway by S. Chas. Dearstyne and Gene J. Newman . . . . .	1
Houston's Jetero Airport: Location and Configuration by Frank H. Newnam . . . . .	9
Houston's Jetero Airport: Development of Airport Terminal and Related Areas by Robert O. Grimes . . . . .	27
Effect of Gradient on Jet Transport Runway Lengths by Gale Ahlborn and Robert Horonjeff . . . . .	39
Fueling System for Dulles International Airport by R. Dan Mahaney and D. M. Hosler . . . . . (over)	51

---

Copyright 1963 by the American Society of Civil Engineers.

The three preceding issues of this Journal are dated March 1961, August 1961 and August 1962.

	Page
Pan American Passenger Terminal at Idlewild Airport by Walther Prokosch. . . . .	67

---

DISCUSSION

---

Helicopter Performance and Heliport Design, by Kenneth K. Wilde. (August, 1962. Prior discussion: None. Discussion closed.) by Robert Horonjeff. . . . .	89
Forecast of Air Transport for 1980, by R. Dixon Speas and Leroy Simpson. (August, 1962. Prior discussion: None. Discussion closed.) by Walter E. Gillfillan. . . . .	93
Airport Location in Relation to Urban Trans- portation, by Richard H. Jordan. (August, 1962. Prior discussion: None. Discussion closed.) by Lawrence V. Hammel . . . . .	95