

---

---

Journal of the  
AIR TRANSPORT DIVISION  
Proceedings of the American Society of Civil Engineers

---

---

AIR TRANSPORT DIVISION  
EXECUTIVE COMMITTEE

Robert Horonjeff, Chairman; John M. Kyle, Jr., Vice-Chairman;  
Joseph D. Blatt; Ronald M. White; Clarence E. Harness, Secretary

COMMITTEE ON PUBLICATIONS

Max Weinroth, Chairman; Julian L. Bardoff; S. Russell Stearns

CONTENTS

December, 1957

Papers

Number

**JET-AGE AIRPORT CONFERENCE, MAY 15-17, 1957**

|   |      |
|---|------|
| Opening Remarks<br>by Mason G. Lockwood .....                             | 1467 |
| Orientation<br>by Joseph D. Blatt .....                                   | 1468 |
| Civil Jet Transport Noise<br>by Donald A. Buck .....                      | 1469 |
| Operational Characteristics of the Douglas DC-8<br>by J. B. Edwards ..... | 1470 |
| Convair 880 Airport Operations<br>by A. D. Riedler .....                  | 1471 |
| Jet Age Planning<br>by James T. Pyle .....                                | 1472 |
| Traffic Estimates and Airport Economics<br>by Kenneth A. Osterberg .....  | 1473 |

(Over)

|   |      |
|---|------|
| Protection of Airport Approaches<br>by Chester G. Bowers . . . . .  | 1474 |
| Jet Transport Ground Handling<br>by Donald B. Talmage . . . . .   | 1475 |
| Airports, Planes and People<br>by William L. Pereira . . . . .  | 1476 |
| A Statistical Approach to Runway Length<br>by Ralph T. Glasson . . . . .  | 1477 |
| Airport Configuration<br>by W. E. Cullinan, Jr. . . . .   | 1478 |
| Effects of Jet Blast and Fuel Spillage on Bituminous Pavements<br>by W. J. Turnbull and Charles R. Foster . . . . . | 1479 |
| USAF Airfield Pavement Problems in the Jet Age<br>by George W. Leslie . . . . .                                     | 1480 |
| The Jet Age Airport and its Neighbors<br>by Charles E. Rosendahl . . . . .  | 1481 |
| Fueling U. S. Air Force Aircraft<br>by George B. Seeley . . . . .   | 1482 |
| Airport Master Planning for the Jet Age<br>by Herbert H. Howell . . . . .   | 1483 |
| Approach and Runway Lighting for Jet-Age Aircraft<br>by Howard J. Fry . . . . .                                     | 1484 |
| Discussion . . . . .  | 1485 |