

Second Pacific Area Meeting Papers

**FATIGUE OF  
AIRCRAFT STRUCTURES**



Published by the  
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1916 Race St., Philadelphia 3, Pa.

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# FATIGUE OF AIRCRAFT STRUCTURES

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Presented at the  
SECOND PACIFIC AREA NATIONAL MEETING  
Los Angeles, Calif., September 16-21, 1956  
AMERICAN SOCIETY FOR TESTING MATERIALS



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## FOREWORD

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The papers and discussions included in this publication on Fatigue of Aircraft Structures provide a good insight into the latest developments in fatigue research now taking place in the Aircraft Industry. The papers were presented as part of two Sessions on Fatigue at the Second Pacific Area National Meeting of the American Society for Testing Materials held in Los Angeles, Calif., September 16-21, 1956. Other papers presented at the Sessions on Fatigue will appear in a special technical publication on Metals (*ASTM STP No. 196*).

These papers were sponsored by Committee E-9 on Fatigue with Mr. R. E. Peterson, of Westinghouse Electric Corp., and Mr. Paul Kuhn, NACA, Langley Aeronautical Laboratory, presiding over the two sessions.

Because of its contribution to the study of Aircraft Fatigue a paper by H. W. Foster, presented at the ASTM Annual Meeting, June 1957, is also included in this publication.



