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A METHOD OF GROUND RESONANCE TESTING
FOR HELICOPTERS



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PREPARED BY

Committee S-2, Helicopters

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc.
485 LEXINGTON AVENUE
NEW YORK 17, N.Y.

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INTRODUCTION

There have been a number of serious accidents on rotary wing aircraft which can be attributed to the phenomena called "ground resonance" and it was felt that it would be of substantial benefit to the helicopter industry if this phenomena could be brought to the attention of prospective helicopter manufacturers with sufficient emphasis and a satisfactory means could be determined which would detect "ground resonance" in its incipient stages. Remedial measures might then be taken in time to avert serious damage during this very critical phase of rotary wing development.

It is, therefore, the purpose of this subcommittee to prepare a recommended procedure for testing helicopters for "ground resonance" prior to flight. The subcommittee consists of the following members:

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R. A. Wagner - Kellett Aircraft Corporation
C. A. Moeller - Sikorsky Aircraft

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