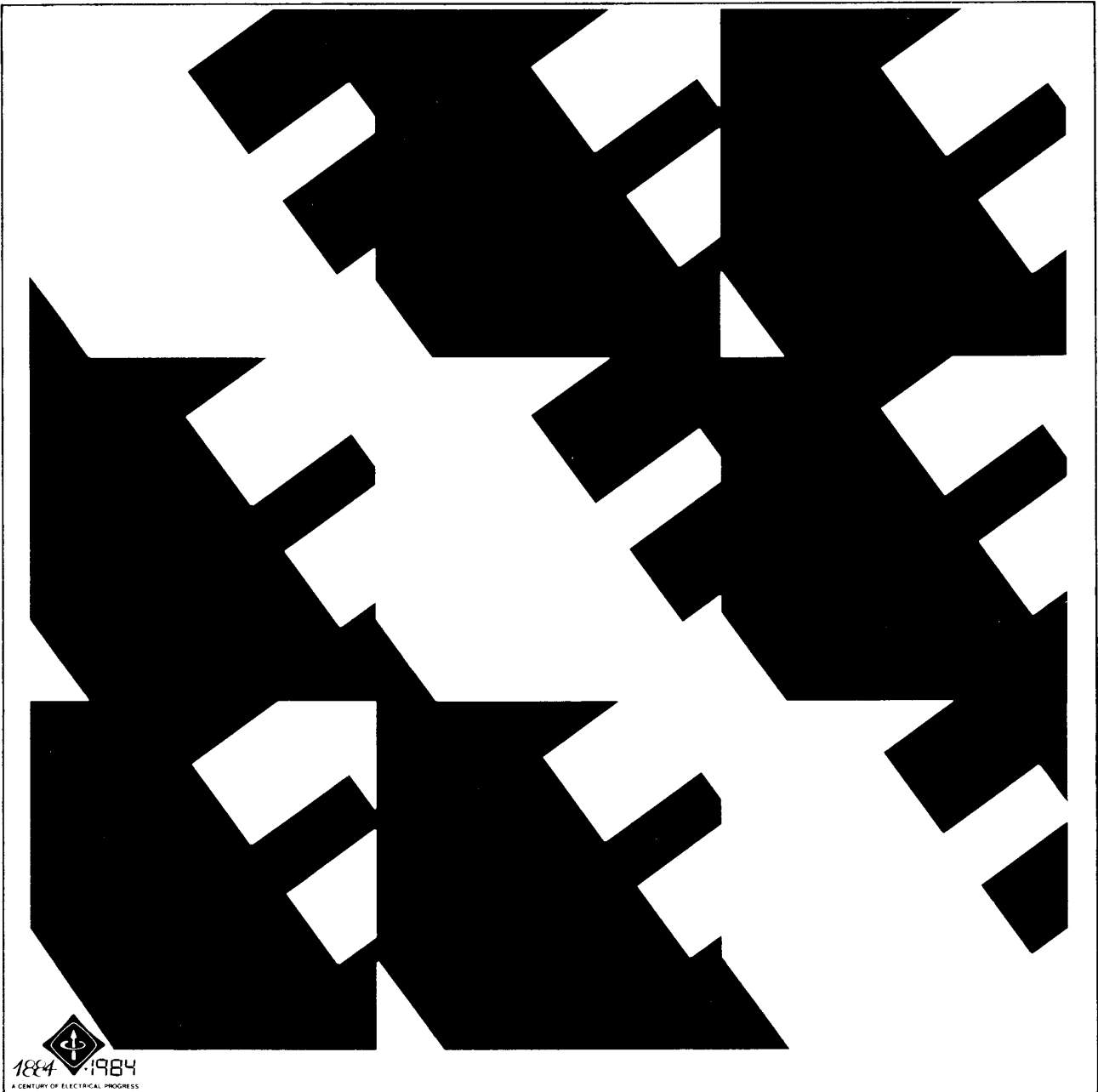


IEEE Standard Definitions of Terms Relating to Overhead-Power-Line Corona and Radio Noise

ANSI/IEEE Std 539-1979



IEEE

Published by The Institute of Electrical and Electronics Engineers, Inc. 345 East 47th Street, New York, NY 10017, USA

December 18, 1979

SH06882

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(Supplement to ANSI/IEEE Std 539-1979)

In Section 2.6.2 replace the NOTE to read as follows:

NOTE: The frequency bands may differ from country to country. Present United States bands are 26.965 MHz - 27.405 MHz, 49.82 MHz - 49.90 MHz, 72 MHz - 76 MHz, and 462.550 MHz - 467.425 MHz.

In Section 3.3.3 replace the NOTE to read as follows:

NOTE: According to ANSI C63.2-1980, American National Standard Specifications for Electromagnetic Noise and Field Strength Instrumentation, 10 kHz to 1 GHz, the quasi-peak detector has charging/discharging time constant of 45/500 ms, 1/160 ms, and 1/550 ms for the frequency ranges of 0.010 MHz - 0.15 MHz, 0.15 MHz - 30 MHz, and 30 MHz - 1000 MHz respectively. For corona noise and the frequency range of 0.15 MHz - 30 MHz, meters which were built according to ANSI C63.2-1963, Specifications for Radio Noise and Field Strength Meters, 0.015 MHz - 30 MHz, will give radio noise levels approximately 2 dB higher than meters built according to ANSI C63.2-1980.

Approved December 17, 1981, by the IEEE Standards Board

Approved December 15, 1981, by the American National Standards Institute

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July 6, 1984

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Std 539-1979
(Includes supplement
ANSI/IEEE Std 539A-1981)

An American National Standard

**IEEE Standard Definitions of
Terms Relating to Overhead-Power-Line
Corona and Radio Noise**

Sponsor

Transmission and Distribution Committee of the
IEEE Power Engineering Society

Approved June 2, 1977
Approved December 17, 1981

IEEE Standards Board

Approved December 15, 1981
American National Standards Institute

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Second Printing

Includes supplement, ANSI/IEEE Std 539A-1981.

The supplement is identified by a bar line in the right-hand margins.

Foreword

(This Foreword is not a part of IEEE Std 539-1979, IEEE Standard Definitions of Terms Relating to Overhead-Power-Line Corona and Radio Noise.)

The purpose of this standard is to provide uniformity in the terms used in the field of corona and radio noise. Its scope is to define the most widely used terms specific to or associated with overhead-power-line corona and radio noise.

Development of this standard was accomplished by the Radio Noise and Corona Subcommittee under the sponsorship of the Transmission and Distribution Committee of the Power Engineering Society. The original work was carried out between 1963 and 1969 by members of the subcommittee and expert advisors from industry and the universities. It was spearheaded by Frank Warburton. The document was updated by a task force of the subcommittee in 1976. The members of the task force were:

R. M. Morris, *Chairman*

W. Janischewskyj
P. S. Maruvada

A. R. Morse
N. G. Trinh

The Radio Noise and Corona Subcommittee had the following membership as of July 30, 1976:

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