

PROCEEDINGS
and
TRANSACTIONS
of
THE INSTITUTE OF RADIO
ENGINEERS
(INCORPORATED)

Volume I
1913



STANFORD LIBRARY

EDITED BY
ALFRED N. GOLDSMITH, Ph.D.

PUBLISHED QUARTERLY BY
THE INSTITUTE OF RADIO ENGINEERS
SEVENTY-ONE BROADWAY
NEW YORK

225048

YANBUI GONGYATZ

CONTENTS OF VOLUME I

PART 1		Page
Experimental Tests of the Radiation Law of Antennae. By Michael		
I. Pupin		3
Discussion		12
High Tension Insulators for Radio-Communication. By Stanley M.		
Hills		14
Discussion		32
Recent Developments in the Work of the Federal Telegraph Company.		
By Lee DeForest		37
Discussion		53
PART 2		
Radio Operations by Steamship Companies. By Robert H. Marriott 3		
Discussion		8
Inaugural Address: Engineering Ethics. By Greenleaf W. Pickard 15		
The Effects of Distributed Capacity of Coils Used in Radio Telegraphic		
Circuits. By Frederick A. Kolster		19
Discussion		27
The Relation Between Effective Resistance and Frequency in Radio-		
Telegraphic Condensers. By Louis W. Austin		35
Discussion		39
PART 3		
The Seibt Direct Indicating Wave Meter. By Emil J. Simon and		
Alfred N. Goldsmith		3
Discussion		18
The Sayville Station of the Atlantic Communication Company. By		
Alfred E. Seelig and Fritz Van Der Woude		23
Discussion		35
The Daylight Effect in Radio Telegraphy. By A. E. Kennelly 39		
Discussion		52
The Heterodyne Receiving System and Notes on the Recent Arlington-		
Salem Tests. By John L. Hogan, Jr.		75
Discussion		97
PART 4		
Officers, Board of Direction and Committees for 1913 3		
The Multitone System. By Hans Rein 5		
Discussion		28
Some Recent Radio Sets of the Marconi Wireless Telegraph Company		
of America. By Roy A. Weagant		43
Discussion		61

Report of the Committee on Standardization, 1913