

EHL



NEWSLETTER

**IRE Professional Group on
ULTRASONICS ENGINEERING**
174 ST. 79 STREET, NEW YORK 21, N. Y.

**Non-Profit Organization
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IMPORTANT!
**CALL FOR PAPERS FOR THE
1969 NATIONAL ULTRASONICS SYMPOSIUM**



IRE Professional Group on ULTRASONICS ENGINEERING

THE PROFESSIONAL GROUP ON ULTRASONICS ENGINEERING (PGUE) IS AN ASSOCIATION OF IRE MEMBERS WITH PROFESSIONAL INTEREST IN THE FIELD OF ULTRASONICS ENGINEERING. ALL IRE MEMBERS ARE ELIGIBLE FOR MEMBERSHIP AND WILL RECEIVE ALL PGUE PUBLICATIONS UPON PAYMENT OF THE PRESCRIBED ASSESSMENT.

January 1961

Ex-Officio (Chairmen of
Standing Committees)

PGUE ORGANIZATION

Period Ending June 30, 1961

D. L. Arenberg
Arenberg Ultrasonic Lab.
94 Green Street
Jamaica Plain 30, Mass.

W. P. Raney
Harvard University
Cruft Laboratory
Cambridge, Mass.

A. Rothbart
98 Van Cortlandt Pk. So.
Bronx 63, New York

Administrative Committee

Clevite Research Center
540 East 105 Street
Cleveland 8, Ohio

Pacific Division, Bendix Corp.
11600 Sherman Way
North Hollywood, California

University of Illinois
Electrical Engineering Res. Lab.
Urbana, Illinois

USN Underwater Sound Lab.
New London, Connecticut

Bell Telephone Laboratories
Whippany, New Jersey

Stanford Research Institute
Menlo Park, California

USN Underwater Sound Lab.
New London, Connecticut

Ex-Officio (Past PGUE Chairmen)

Bell Telephone Labs.
Whippany, New Jersey

Roth Lab. for Physical Research
557 Asylum Street
Hartford, Connecticut

Awards

Constitutions & Bylaws

Editor

Associate Editor

Liaison with ASA

Membership

Newsletter

Papers Study & Review

Papers Procurement

PIRE Anniversary Issue

1961 IRE Convention Program

F. Massa
Massa Div., Cohu Electronics
5 Fottler Road
Hingham, Mass.

M. D. Fagen
Bell Telephone Laboratories
Murray Hill, New Jersey

O. E. Mattiat
Acoustica Associates
415 Montecito Street
Santa Barbara, California

D. A. Berlincourt

O. E. Mattiat & M. D. Fagen

A. H. Meitzler

A. Rothbart

W. J. Fry

J. J. G. McCue
M. I. T. Lincoln Laboratory
Lexington 73, Massachusetts

M. D. Fagen

A. H. Meitzler

1961 IRE INTERNATIONAL CONVENTION, MARCH 20-23, 1961 IN
NEW YORK CITY

As in former years, the PGUE will sponsor two technical sessions at the 1961 Convention. These sessions which have been organized by Dr. Meitzler, will be held on Thursday, March 23, in the Jade Room of the Waldorf Astoria Hotel.

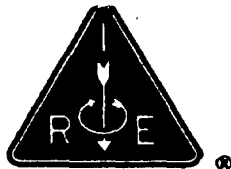
Title of Session:..... Ultrasonics Engineering I
No.:.....42
Time:.....10:00 - 12:30

Chairman:..... Dr. Rudolf Bechmann
U. S. Army Signal Research
& Development Labs.
Fort Monmouth, New Jersey

Sequence of Papers

1. "The Ultrasonically Coupled Oscillator" by Yujiro Yamamoto, Borg-Warner Controls, Division Borg-Warner Corp., Santa Ana, California.

IRE Professional Group on
ULTRASONICS ENGINEERING



Mack, Erik
Poland
Auerbach, J. E.
Jzechowski, Anto
Puerto Rico
Hense, H. L.

Pain
Polino, Antonio
Espinoza, Manuel

weden
Lehr, K. E.
Braune, E. H. J.
Olving, A. L.

Novsson, K. S.
Axo, L.
Wertzell, S. G.
Frankler, S. G.

Wollgren, G. P.
Feyman, B. C.
Josephson, B. A.

Arlistedt, Lennart
Atzeff, Kurt
Linberg, Cai

Laurent, Torbern
Wollgren, E. O.
Olving, Sven

Wersers, O.
Wersson, N. I. E.
Wamskold, O. S. H.

Wichter, H. F.
Woll, Anders
Walders, P. G.

Westerhult, B. C.
S. S. R.
Wulin, M. S.

Wimov, E. A.
Wladimov, V. A.
Wizan, G. P.

Wartjus, K. I.
Wokin, A. I.
Wokin, A. A.

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Secretary-Treasurer
A. Rothbart
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Urbana, Illinois

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Time:.....10:00 - 12:30

Chairman:..... Dr. Rudolf Bechmann
U. S. Army Signal Research
& Development Labs.
Fort Monmouth, New Jersey

Sequence of Papers

- "The Ultrasonically Coupled Oscillator" by Yujiro Yamanaka, Borg-Warner Controls, Division Borg-Warner Corp., Santa Ana, California.

"The Bandwidth, Insertion Loss, and Reflection Coefficient of Ultrasonic Delay Lines for Backing Materials and Finite Thickness Bonds" by W. F. Konig, L. B. Lambert, and D. L. Schilling, Columbia University-Electronic Research Labs., New York, New York

"Techniques for the Determination of Ultrasonic Attenuation in Fused Silica" by Richard F. Weeks, Richard D. Brew and Co., Concord, New Hampshire

"Depletion Layer Ultrasonic Transducer-A New High Frequency Transducer" by Donald L. White, Bell Telephone Laboratories, Whippany, New Jersey

"Ultrasonic Instrumentation for Research on Bats" by J. J. G. McCue, Lincoln Laboratory, Massachusetts Institute of Technology, Lexington 73, Massachusetts

Title of Session:.....Ultrasonics Engineering II
 No.....50
 Time:.....2:30 - 5:00

Chairman:.....Robert L. Rod
 Acoustica Associates
 Los Angeles, California

Sequence of Papers

"Automatic Ultrasonic Examination of Large Rotor Forgings" by R. Goldman and M Auger, General Electric Co., Large Steam Turbine-Generator Dept., Schenectady, New York

"Application of Theory of Elastic Waves in Plates to the Design of Ultrasonic Dispersive Delay Lines" by T. R. Meeker, Bell Telephone Labs., Whippany, New Jersey

3. "Transmission Characteristics of Longitudinal-Mode Strip Delay Lines Having Asymmetrically Tapered Widths" by Allen H. Meitzler, Bell Telephone Labs., Whippany, New Jersey
4. "Discussion of Time Delay in Reference to Electrical Waves" by E. Howard Young, Jr., Bell Telephone Labs., Whippany.
5. "A Review of Some Russian Papers in Ultrasonics Engineering" by R. N. Thurston, Bell Telephone Labs., Murray Hill, N.J.

FINANCIAL STATEMENT

Period from January 1, 1960 to June 30, 1960

| | |
|--------------------------------|-------------------|
| Balance at beginning of period | \$5,727.33 |
| Receipts during period | 1,831.57 |
| Total | <u>\$7,558.90</u> |
| Expenses during period | 1,706.01 |
| Balance at end of period | <u>\$5,852.89</u> |

MEMBERSHIP

As of November 30, 1960, we had the following number of paid members.

| | |
|-----------------|------------|
| Regular Members | 906 |
| Students | 21 |
| Affiliates | 4 |
| Total | <u>931</u> |

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