



# NEWSLETTER

## 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.

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### SECOND NATIONAL ULTRASONICS SYMPOSIUM

At its last meeting in Cincinnati, Ohio, on November 7, 1961, Administrative Committee decided to seek permission from IRE quarters to hold a Second National Ultrasonics Symposium in New York City in December, 1962. The Chairman of the Symposium will be Dr. John E. May, Jr. of the Bell Telephone Labs. at Whippany, New Jersey. Dr. May would appreciate hearing from PGUE members who might care to assist him in the various arrangements.

The Administrative Committee invites all members and non-members who are doing research and development in all phases of ultrasonics to submit papers to the Symposium. Sessions are being planned on such major subjects as industrial ultrasonics, ultrasonic delay lines, solid state acoustics, and underwater sound. A special issue of the PGUE Transactions will be devoted to Symposium papers. Authors, whose papers are accepted for oral presentation at the Symposium, will be urged to submit written versions to the Editor of the Transactions by the time of the meeting.

### 1962 IRE INTERNATIONAL CONVENTION, MARCH 26-29, NEW YORK CITY

As in previous years, the PGUE will sponsor two technical sessions at the Convention. The Group wishes to thank Mr. Stanley E. Jacke and Dr. Allen H. Meitzler for their efforts in organizing these sessions. The complete program, which will be presented in the Jade Room of the Waldorf-Astoria Hotel, follows:

Title of Session . . . . Ultrasonics Engineering I  
Number . . . . . 3

Time . . . . . 2:30 - 5:00, March 26  
Chairman . . . . . Dr. Robert O. Fehr  
Sibley School of Mechanical Engineering  
Upson Hall, Cornell University  
Ithaca, New York  
Organizer . . . . . Stanley E. Jacke  
Branson Instruments, Inc.  
37 Brown House Rd.  
Stamford, Connecticut

### Sequence of Papers

- "Ultrasonic Welding in Electronics Devices"  
J. Byron Jones  
Aeroprojects Incorporated  
310 Rosedale Avenue  
West Chester, Penna.
- "Ultrasonics for Machining"  
George C. Brown  
The Sheffield Corporation  
Dayton, Ohio
- "A Chemical Method for Measuring Relative Amounts of Cavitation in an Ultrasonic Cleaner"  
Dr. Alfred Weissler  
National Institutes of Health  
Bethesda 14, Maryland
- "Advantages of Ultrasonic Cleaning as a Production Tool"  
George Brett Hollerith  
Branson Instruments, Inc.  
37 Brown House Rd.  
Stamford, Connecticut
- "Evaluation and Applications of the Levasseur Whistle"  
Isidore Elias  
Acoustica Associates, Inc.  
5331 West 104 St.  
Los Angeles, California
- "Hyper Intense Proximal Scanning Ultrasonic Generator"  
Dr. Lewis Balamuth  
Cavitron Ultrasonics Inc.  
51-02 21st St.  
Long Island City 1, New York

### Title of Session . . . . Ultrasonics Engineering II

Number . . . . . 11  
Time . . . . . 10:00 - 12:30, March 27  
Chairman . . . . . Dr. Wilfred Roth  
Roth Lab. for Physical Research  
557 Asylum St.  
Hartford 5, Connecticut  
Organizer . . . . . Allen H. Meitzler  
Bell Telephone Labs.  
Whippany, New Jersey

### Sequence of Papers

- "Heat Treatment of Wire for Torisonal Magnetostrictive Delay Lines"  
Alan J. Brown  
Airborne Instruments Lab. and Arthur Rothbart  
Deer Park, New York  
New York, New York
- "A Piezoelectric-Piezomagnetic Gyrator"  
Morio Onoe and Mitsuo Sawabe  
Institute of Industrial Science, University of Tokyo  
Tokyo, Japan