



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.

Number 15

March 1959

Ultrasonics at the IRE National Convention

PGUE will sponsor a two-session program covering a wide variety of topics at the IRE National Convention in New York, March 23-26, 1959. The PGUE sessions will be held in the morning and in the afternoon of Thursday, March 26, 1959 in the Jade Room of the Waldorf-Astoria. This program was arranged by Don Berlincourt, our PGUE representative on the Convention Technical Program Committee.

Please note that the program has been rearranged from the Convention Program version and that the paper on "Ultrasonic Welding Equipment" by J. N. Antonevich will be given in the morning session.

The program is as follows:

Session 42, Ultrasonic Engineering - I
Chairman: Armor L. Lane
Technitrol Engineering Company
1952 East Allegheny Avenue
Philadelphia 34, Pennsylvania

Papers 50.5) Titles
42.2) Authors
42.3) Abstracts to be furnished by
42.4) Miss Sirjane

Session 50, Ultrasonic Engineering - II
Chairman: Frank Massa
Massa Division, Cohu Electronics
5 Fottler Road
Hingham, Massachusetts

Papers 50.1) Titles
50.2) Authors
50.3) Abstracts to be furnished by
50.4) Miss Sirjane

National Ultrasonics Symposium - Deadline for Abstracts April 1, 1959

Plans are progressing well for the first National Ultrasonics Symposium to be held at Stanford University, Stanford, California on Monday, August 17, 1959 and for the PGUE sponsored sessions at WESCON to be held in San Francisco during the remainder of that week. Dr. Vincent Salmon is chairman of the committee arranging both programs. Abstracts (100 words) and Summaries (500 words) intended for these meetings should be sent to Dr. Salmon later than April 1, 1959.

Address: Dr. Vincent Salmon, Chairman
1959 National Ultrasonics Symposium
Stanford Research Institute
Menlo Park, California

Policy on New Professional Groups and Financing

During the last year there has been considerable discussion on formation of new Professional Groups and on Group financing at the meetings of the Professional Groups Committee and of the IRE

Board of Directors. The following actions were taken by the Board of Directors at their November 1958 meeting:

There shall be no arbitrary change in the present structure of Professional Groups, but a strong recommendation suggests that Groups consolidate as areas of interests overlap or become generally compatible. New Professional Groups will not be activated without critical examination of all relevant factors.

As new fields of technology open up, consideration shall be given to meeting the needs in these fields by appropriate enlargement of the scopes of existing Groups.

The Professional Groups Committee shall: (a) direct activities within the established pattern of policy; and (b) work with the IRE Board of Directors to extend policy and to enunciate new policy.

The Professional Groups Committee shall evaluate all proposals for the formation of new Groups and recommend appropriate action to the Board of Directors. Petitioners for new Groups shall be invited to attend the meetings of the Professional Groups Committee at which their petitions are to be considered, to be heard and their views recorded.

Effective January 1, 1959, the present method of Professional Group financing shall be discontinued, and there shall be substituted a subsidy equal to one-third of the cost to the Professional Groups of printing and mailing all TRANSACTIONS, Newsletters, and any other types of publications which are distributed to all paid members of a Group free-of-charge; and further there shall be provided for new Professional Groups, in addition to the preceding, matching funds of \$1.00 for each dollar of income derived by the Group from membership fees during the first two years.

Publication of the IRE National Convention Record shall be continued with the provision that free distribution to members of Professional Groups shall be discontinued, and Professional Group members shall be given special rates to purchase IRE National Convention Record Parts.

The following PGUE technical sessions will be held during the IRE National Convention on Thursday, March 26th:

SESSION 42

Thursday - 10:00 A. M. -12:30 P. M.
Waldorf-Astoria, Jade Room

ULTRASONIC ENGINEERING--I

Chairman: Amor L. Lane
Technitrol Engineering Co.
Philadelphia, Pennsylvania

42.1. Ultrasonic Welding Equipment

JOHN N. ANTONEVICH
Battelle Memorial Inst., Columbus, Ohio

The basic principles of ultrasonic welding are discussed. It is postulated that this welding process is a form of pressure or friction welding.