



NEWSLETTER

Professional Group on ULTRASONICS ENGINEERING

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A BRIEF REPORT ON THE 1962 ULTRASONICS SYMPOSIUM

The Ultrasonics Symposium was held at Horace Mann Auditorium, Columbia University, New York City on November 28, 29, and 30, 1962.

Columbia University School of Applied Science and Engineering acted as the host. There were 235 paid registrations, 55 complimentary registrations for speakers and session chairmen and two non-paying attendees, bringing the total to 292. The geographical distribution of those attending was 121 from the local area, 166 from more distant points in the U. S., 2 from Canada, 1 from England, 1 from Holland and 1 from France.

The program consisted of six technical sessions with 17 invited papers and 21 contributed papers. On Thursday night, November 29, a social hour and a banquet were held at the Men's Faculty Club, Columbia University. The after-dinner speaker was Dr. W. N. Kellogg who presented a very interesting illustrated talk entitled "Porpoises and Sonar." About 50 people attended the social hour and banquet.

That the 1962 Ultrasonics Symposium was a tremendous success is a view shared by the officers and many of the members of the PTG-UE. The thanks of the PTG-UE are again extended to the speakers, session chairmen, members of the Symposium Committee, and all the others whose efforts made the Symposium possible.

PUBLICATION OF PAPERS FROM THE 1962 ULTRASONICS SYMPOSIUM

The papers presented at the Symposium have generated considerable interest as evidenced by the numerous requests that have been received for information regarding where these papers can be found in print. All the authors presenting papers at the Symposium have been invited to publish their papers in the IEEE Transactions on Ultrasonics Engineering. Approximately half of the authors have indicated they would do so. The April issue of the Transactions, presently in preparation, will contain four of the Symposium papers. Eleven additional papers have been received and are being processed. It is expected that these papers will appear in the next issue published before September. An extra issue of the Transactions will be published before the end of 1963 if the number of papers on hand warrants this action.

CALL FOR PAPERS FOR THE 1963 ULTRASONICS SYMPOSIUM

The great interest aroused by the 1962 Ultrasonics Symposium has encouraged the Administrative Committee of the PTG-UE to plan a 1963 Ultrasonics Symposium. The 1963 Symposium will be held in Washington, D. C., on December 4, 5, and 6. A social hour and banquet will be held on Thursday evening, December 5. All of the events on the program will take place at the Marriott Motor Hotel in Washington, D. C. The Symposium Committee follows:

Local Chairman: A. H. Meitzler

Chairman: R. N. Thurston

Technical Program Committee: T. R. Meeker, Chairman

R. Beckmann

J. E. May, Jr.

J. H. Rowen

Arrangements: W. P. Raney
Finance: A. Rothbart

Contributed papers are sought in any of the various specialized areas of ultrasonics. The rapidly developing area of microwave ultrasonics will again receive particular attention, however, papers are also sought on the more established topics such as industrial ultrasonic devices, piezoelectric resonators, delay lines and mechanical filters, ultrasonic image forming and display devices, and internal friction of solids at ultrasonic frequencies. Authors intending to present papers should submit three copies of a 200 word abstract to:

Dr. T. R. Meeker
Technical Program Chairman
Bell Telephone Laboratories
555 Union Boulevard
Allentown, Pennsylvania

In order to have uniformity of style, authors are requested to follow the format for abstracts used by the American Physical Society. The deadline date for abstracts will be August 15.

THE 1963 IEEE INTERNATIONAL CONVENTION

The PTG-UE will sponsor two sessions at the 1963 International Convention. The two sessions will be held on the morning and afternoon of Tuesday, March 26, in the Jade Room of the Waldorf-Astoria Hotel. Thanks are due R. S. Woollett for acting as session organizer of both sessions. The detailed program of the sessions follows:

Title of Session..... Ultrasonics Engineering I
Number 11
Time 10:00 - 12:30, March 26
Chairman..... Mr. Laurence Batchelder
Raytheon Company
Second and South Avenues
Burlington, Mass.

Sequence of Papers

1. "Trends and Problems in Sonar Transducer Design"
Ralph S. Woollett, U. S. Navy Underwater Sound Laboratory,
New London, Conn.
2. "A Flexural Ceramic Disk Transducer for Deep Water Operation"
Frederick H. Johnson and Ralph S. Woollett
U. S. Navy Underwater Sound Laboratory, New London, Conn.
3. "A Three-Channel Transistorized AGC Amplifier"
F. J. Wiegand, V. Vartanian, H. C. Single, Raytheon Company,
Newport, Rhode Island
4. "A Portable Detector for Ultrasounds"
J. J. G. McCue and A. Bertolini, Lincoln Laboratory,
Massachusetts Institute of Technology Lexington 73, Mass.
5. "Design of Sonic Amplitude Transformers for Large Magnification"
Edward Eisner, Bell Telephone Laboratories, Incorporated,
Murray Hill, New Jersey

Title of Session..... Ultrasonics Engineering II
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