

TOP LEVEL PHYSICISTS

*To direct research group
in microwave field*

Microwave Associates, Inc., invites qualified physicists to discuss an unusual opportunity to direct a research group involved in problems of microwave control and propagation in ionized media, ferrites, and semiconductors. A broad background can be achieved in the interactions of electromagnetic energy with non-linear lossy dielectric materials.

Excellent high power and low power instrumentation is available to investigate these phenomena over a wide frequency spectrum—400 to 70,000 mc.

This is a new group and, hence, offers considerable potential for future professional growth and financial advancement.

You are invited to a confidential exploratory discussion of your future with us. Contact Dr. Lawrence Gould for suitable arrangements.



MICROWAVE ASSOCIATES, INC.
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Prospective authors should submit 150-word abstracts, no later than April 1, to W. H. Eichelberger, Denver Research Institute, University of Denver, Denver 10, Colo., from whom further information about the symposium may be obtained.

Ultrasonics

PLANs are underway for a National Ultrasonics Symposium to be held August 17 at Stanford University, Stanford, Calif. Sponsored by the IRE Professional Group on Ultrasonics Engineering, the meeting will precede the 1959 Western Electronic Show and Convention (WESCON) to be held August 18–21 in San Francisco.

Papers intended for presentation at the symposium may be submitted on the following suggested topics ("which are not to be taken as all inclusive"): design, calibration, and use of high-power transducers for use in industrial processing and in sonar; antenna design and its analog in sonar transducers; electromechanical filters; survey of, new developments in, and circuit problems associated with ultrasonic delay lines; ultrasonic modulation in optical systems; nondestructive testing by energy absorption; effectiveness of ultrasonic cleaning by pulsed vs. steady-state cavitation; and noncontacting measurement of surface velocity by ultrasonic probe beam using Doppler effect.

April 1 is the deadline for submission in triplicate of abstracts (100 words) and summaries (500 words), each containing the title of the paper and the prospective author's name and address. All material should be sent to the symposium chairman, Dr. Vincent Salmon, Stanford Research Institute, Menlo Park, Calif., from whom further information is available.

Ionization Phenomena in Gases

THE Fourth International Conference on Ionization Phenomena in Gases is being organized by the University of Uppsala in collaboration with the Swedish National Committee for Physics and will be held August 17–21 in Uppsala, Sweden. The conference sessions, to take place in the University building, will cover fundamental processes in gas discharges, high-frequency discharges, glow discharges, arc discharges, spark discharges, high-temperature plasmas and controlled fusion, instabilities and oscillations in gas discharges, and new methods of measurements.

The deadline for abstracts (not to exceed 350 words) is June 15. Abstracts of all accepted papers will be made available at the conference and the complete papers will be published at a later date by North-Holland Publishing Company.

Final application forms will be available for distribution this month and should be requested as soon as possible. Inquiries concerning the meeting and requests for application forms should be sent to the secretary general of the conference, Dr. Åke Nilsson, Institute of Physics, Uppsala, Sweden.