

# The Historical Exhibit

This year, the Historical Exhibit celebrates the 50th anniversary of the MIT Radiation Laboratory. In 1941, the MIT Radiation Laboratory started with just forty employees, then grew rapidly to nearly 4,000 within a few years. The goals that were achieved by this core of dedicated scientists and engineers from all disciplines within the Laboratory, had a profound effect not only on the outcome of World War II but also the field of microwave engineering. Following the close of the Laboratory, the 28 book Radiation Laboratory Series was published by McGraw Hill under the technical leadership of Louis N. Ridenour.

This heritage will be highlighted in a separate theme session at the symposium, and all attendees will receive a special symposium edition of the book *Five Years at the Radiation Laboratory*. Roger W. Sudbury, who was responsible for the publication, has edited this edition to include the original text plus selections from E. G. Bowen's book *Radar Days* and a listing of all staff members. Some classified material that was subsequently declassified has been included in the symposium edition for historical purposes.

The MTT-S Historical Exhibit which covers the development of microwave theory, devices, and systems dating back to pre-1900 will be displayed. This year marks the 12th anniversary of the exhibit at the symposium. The first collection consisted mainly of borrowed items and was managed by Ted Saad. Today, we have such a large collection that it is housed in the Historical Electronics Museum in Baltimore. The main part of the Historical Exhibit is the "core" collection which has grown from Ted Saad's original material as the result of donations by many MTT members over the years. This year, the display will feature many items found documented in the Radiation Laboratory Series. The Historical Exhibit contains all sorts of hardware, pictures, and various other artifacts which are displayed along with descriptive information. You can get a better feel of what microwave engineering was really like before network analyzers, calculators, and CAD as you operate some of the early test equipment. Another special feature of the Historical Exhibit is the Monolithic Microwave Integrated Circuits (MMIC) collection under the sponsorship of Bob Pucel.

All attendees are encouraged to visit the special reading area, which will feature part of the MTT-S library collection, and peruse the many microwave books, reports, and other documentation available.

In the theater room, a large number of documentary videos on our technology will be shown on a posted schedule over the three day period. "Echoes of War", the dynamic Nova production on the development of radar, produced and directed by Linda Garmon of WGBH-TV, will be featured each day.

This year's Historical Exhibit will have a hospitality room displaying photographs and various other items, representatives of the Rad Lab era, as prepared by Chuck Swift. Coffee and other light refreshments will be available to guests and members of the microwave community as they meet in a congenial atmosphere. The Historical Exhibit will also be the scene of a special gathering for Radiation Laboratory alumni, alumnae, and invited guests.

The hospitality room, reading library, and video viewing areas are co-located with the Historical Exhibit in the Hynes Auditorium. Look for the directional signs to the Exhibit area. This Exhibit will be open from 9:00 am to 4:00 pm on Tuesday, June 11, from 9:00 to 5:00 pm on Wednesday, June 12 and from 9:00 am to 4:00 pm on Thursday, June 13. Plan to stop by the Historical Exhibit and receive a 1991 MTT-S logo sticker for your conference badge.