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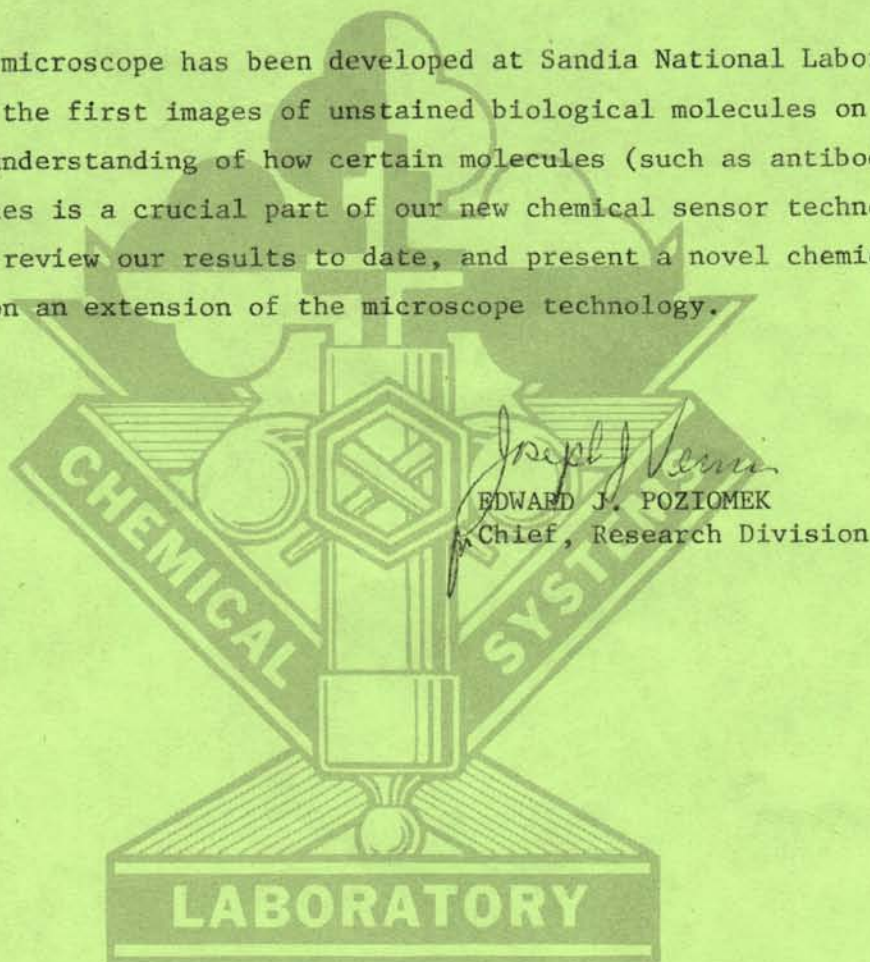
CHEMICAL SYSTEMS LABORATORY RESEARCH DIVISION

SPEAKER: Dr. J.A. Panitz
Sandia National Lab
Albuquerque, NM 87185

TITLE: Field Ion Tomography and the LIFE
Detector

ABSTRACT:

A new microscope has been developed at Sandia National Laboratories and used to obtain the first images of unstained biological molecules on metal surfaces. An understanding of how certain molecules (such as antibodies) bind to metal surfaces is a crucial part of our new chemical sensor technologies. This talk will review our results to date, and present a novel chemical sensor concept based on an extension of the microscope technology.



DATE: 8 February 1983 (Tuesday)

TIME: 1000 hours

PLACE: E3100, Conference Rm # 14

PRESIDING OFFICER: William S. Magee, Jr.

ANYONE WANTING TO MEET WITH THE SPEAKER IS ENCOURAGED TO MAKE AN APPOINTMENT BY CALLING PAMELA TARBERT, EXT. 4414/2849. IF YOU ARE INTERESTED IN HAVING LUNCH WITH THE SPEAKER, PLEASE CONTACT ~~DR. F. PRESCOTT~~ WILLIAM S. MAGEE, Jr., EXT. 3250/4144.