

## SECTION NEWS

### Canadian

The Section held a spring symposium on "New Electrochemical Materials: Composition, Structure, and Properties" in Toronto on March 7. Eight lectures and 18 poster were presented. A poster session followed the oral presentations. Three student poster awards were given to the following recipients: First Prize (\$150) went to Amy Lloyd of the University of Western Ontario; Second Prize (\$100) went to Ian Burgess of the University of Guelph; and Third Prize (\$50) went to David Kreller of Queen's University.

Two Student Travel grants of \$100 each were awarded to two students who presented a poster at the meeting: Patrick Germain of the University of Ottawa and Xihua He of the University of Western Ontario.

### National Capital

The Section held a joint Meeting with ASM & NACE on February 13 in Alexandria, Virginia.

The guest speaker was Dr. Brenda Little, currently a senior scientist for marine molecular processes at the Naval

Research Laboratory in Stennis Space Center, Mississippi. Dr. Little is quite well known for her work in microbiologically influenced corrosion. The presentation on "Microbiologically Influenced Corrosion in Humid Environments" emphasized recent work in fungi as a particularly versatile kind of biology, not requiring liquid water, thriving in 65% relative humidity.

The Section held a meeting on March 15 in Alexandria, Virginia. William H. Smyrl of the University of Minnesota, Corrosion Research Center Department of Chemical Engineering and Materials Science in Minneapolis, Minnesota spoke on "Surface Engineering and Microscopy of Corroding and Reactive Surfaces." The focus of the speaker's discussion was on the development and use of microscopy on reactive and reacting heterogeneous surfaces as well as the use of fluorescence imaging, electrochemical imaging, photoelectrochemical imaging, and spectroscopic imaging with the NSOM to both probe and to form textured and tailored surfaces for technological applications.

The Section held a meeting on April 1 at the University of Maryland in College Park, Maryland.

Dr. Farrel Martin of GEO-Centers, Inc. spoke on "Seawater Crevice Corrosion of Nickel Superalloys." Crevice corrosion susceptibility is a function of many parameters. The interrelationship between each of these parameters has yet to be fully quantified, let alone completely understood. The present work attempts to explain the interrelationship between some of these parameters for Alloy 625 and similar nickel superalloys during exposure to natural seawater. In addition to the lecture, three students from the University of Virginia presented posters: Meghan Goldman; Ashley Lucente; and Francisco Presuel.

### New England

The Section held a meeting on April 15 at Tuft's University in Medford, Massachusetts. The featured speaker was Prof. Heidi Martin of the Chemical Engineering Department at Case Western Reserve University.

Dr. Martin's presentation on "Diamond-based Electrodes as Neurochemical Sensors" focused on her own group's work on electrochemically monitoring the dynamics of neurochem-

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## Section News

(continued from the previous page)

ical events in the extracellular space within the brain. The work has concentrated on the fabrication of boron-doped diamond film microelectrodes and application of these electrodes toward the detection of catecholamine neurotransmitters, such as dopamine. The study of heterogeneous electron transfer kinetics for dopamine oxidation has been emphasized.

### San Francisco

The Section met on February 12 at PK Selective in Santa Clara, California. Peter Kellett, founder of PK Selective, and Arnold Sanchez, manager, led a tour of the facility including over 50 baths for different processes. The company's capabilities include standard processes applicable to mechanical and electronics parts, as well as a variety of artistic applications of surface finishing. PK Selective does anodizing and decorative finishing for such products as musical instrument and electronic parts. The processes in their shop include anodizing, electropolishing, electroless nickel, powder coating, silkscreening as well as various cleaning and surface preparation processes. ■

### Section Services

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