

The Accuracy of Al and Cu Film Thickness Determinations and the Implications for Electron Probe Microanalysis

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Nano-Cathodoluminescence Measurement of Asymmetric Carrier Trapping and Radiative Recombination in GaN and InGaN Quantum Disks

Julia I. Deitz, A. T. M. Golam Sarwar, Santino D. Carnevale, Tyler J. Grassman, Roberto C. Myers, and David W. McComb

On the Progress of Scanning Transmission Electron Microscopy (STEM) Imaging in a Scanning Electron Microscope

Cheng Sun, Erich Müller, Matthias Meffert, and Dagmar Gerthsen

In Situ Scanning Electron Microscope (SEM) Observations of Damage and Crack Growth of Shale

Zhendong Cui and Weige Han

Evaluating X-Ray Microanalysis Phase Maps Using Principal Component Analysis

Ben Buse and Stuart Kearns

On the Origin of Extended Resolution in Kelvin Probe Force Microscopy with a Worn Tip Apex

Sergey Y. Luchkin and Keith J. Stevenson

The Effects of Betaine on the Nuclear Fractal Dimension, Chromatin Texture, and Proliferative Activity in Hepatocytes in Mouse Model of Nonalcoholic Fatty Liver Disease

Milena Vesković, Milica Labudović-Borović, Ivan Zaletel, Jelena Rakočević,

Dušan Mladenović, Bojan Jorgačević, Danijela Vučević, and Tatjana Radosavljević

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Alexander Heiss, Daesung Park, and Anna-Christin Joel

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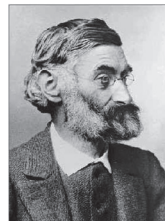
Distinguishing the Signs of Fungal and Burial-Induced Degradation in Waterlogged Wood from Biskupin (Poland) by Scanning Electron Microscopy

Diego Tamburini, Caroline R. Cartwright, Grzegorz Cofta, Magdalena Zborowska, and

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Ultrastructural Alterations of Midgut Epithelium, But Not Greater Wing Fluctuating Asymmetry, in Paper Wasps (*Polistes dominula*) from Urban Environments

Carlo Polidori, Agustín Pastor, Alberto Jorje, and José Pertusa



Dear Abbe

Dear Abbe,

I have to section a lot of resin-embedded tissues. I don't mind sectioning, but it does become very boring. I need to find a way to make the tediousness enjoyable. If anyone can help, it's you.

Endless Ennui in Edinburgh

Dear Endless,

Ach, sectioning used to be a *real* skill, now there are diamond knives, powered ultramicrotomes, computerized microtomes, even computerized ultramicrotomes *inside* electron microscopes. And you whine about having to sit and cut sections. There are worse things than having to section biological samples, or so I've been told. I do not section, as I have minions at my disposal (although I am running out of bananas). However, I did ask my relatively sane colleague what she would do. She developed several methods for attenuating the tedium and claims the quickest method is imbibing alcoholic cocktails. Make sectioning a drinking game! If you manage five or more sections on a slot grid, you take a swig. As a young acolyte she told her supervisor that the concoction was medication and had a prescription. Of course, the gentleman at the corner Spirituosengeschaft called it a receipt. Semantics. The games become more difficult and entertaining with success of getting sections on grids. After editing *Huckleberry Finn* for my friend Mr. Clemens, I suggested his solution for unappealing tasks: overselling the task. She began to tout how wonderful it was to section: elaborating on the Zen-like quality, the rewarding exercise of chasing errant, needed sections around the trough filled with the tears of undergraduates. She was very good at it and should have won an award for her performances, but no one recognizes a budding genius before they become a blooming idiot.

If you are stuck with mindless tasks, you may wish to seek additional advice from Herr Dr. Abbe. Contact his faithful assistant at jpsshield@uga.edu.

