

## NEW AND/OR INTERESTING IN MICROSCOPY

✦ The National Institute of Standards and Technology's (NIST) Standard Reference Data Program provides reliable, well-documented data to scientists and engineers for use in technical problem-solving, research, and development. NIST offers, free of charge, a catalog listing published data compilations and current databases in the Standard Reference Database Series.

The newly issued 1994 issue of this catalog contains many new databases and updates current ones. These data compilations have been subdivided into ten categories. To receive a free copy of this catalog, contact:

Ms. Joan Sauerwein  
Standard Reference Data  
National Institute of Standards & Technology  
Bldg. 221/Rm A320  
Gaithersburg, MD 20899  
Tel.: (301)975-2208  
Fax: (301)926-0416  
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**HELP:** We all know that there is much of interest happening in microscopy and we **need** your help in bringing it to the attention of our readership.

And don't forget - the authors of all accepted material (articles, information, "Tricks", etc.) will be eligible in a drawing at next year's MSA Conference to win an 1 ounce gold Krugerrand (a \$500 plus value).

--- Don Grimes, Editor

✦ Olympus America, Inc. offers the following booklets:

Volume 1: "Microscope, Basics & Beyond" (\$5.00)

Volume 2: "Contrast Methods in Microscopy" (\$5.00)

Volume 3: "Reflected Light Microscopy" (\$5.00)

Volume 4: "Fluorescence Microscopy" (\$8.00)

"Optics: A Primer" (\$5.00)

"Basics of the Optical Microscope" (From Olympus Tokyo) (N/C)

Add \$2.00 to each booklet to cover shipping and handling and place order with check to:

Olympus America, Inc.  
Precision Instrument Division  
4 Nevada Drive  
Lake Success, NY 11042  
Tel.: (516)488-3880

✦ The Royal Microscopical Society has set up two new special interest groups in Digital Imaging and Three-Dimensional Microscopy. The purpose of the groups is to organize meetings, workshops, seminars and courses with the support and backup of the RMS.

If you would like to be added to the mailing lists for these groups, please send your name and address (and email address) to the Royal Microscopical Society, 37/38 St. Clements, Oxford OX4 1AJ, U.K. Email: RMS@VAX.OX.AC.UK. Please indicate which group you would like to receive information about.

## NEW PRODUCT NEWS

✦ **Advanced Research Instruments Corp.** announces an enhancement to their PC-based automatic analyzing system AutoSEM 1. This enhancement is a real-time image/x-ray analyzer that works with virtually any scanning electron microscope for analysis of air and water pollution, ceramics, metal inclusions, asbestos, GSR and many others. AutoSEM 1 automatically analyzes features and field data such as area, size distribution, number of features per field, percent area coverage, etc., and performs x-ray analysis on each feature. The search resolution may be as low as 8 x 8 pixels or as high as 4096 x 4096 pixels. AutoSEM 1 also produces TIFF images and high resolution hard copy; performs digital imaging for sharper, flicker-free images; has feature and graph summaries; is spreadsheet compatible. All systems features are available through an easy-to-use graphical user interface (GUI). See how AutoSEM 1 can work for you! Telephone (303)449-9189, Fax (303)449-9376. Circle Reader Inquiry #17.

✦ **Nanoprobes, Inc.** announces a valuable new tool for immunohistochemistry, "FAB-3", a 3 nm colloidal gold particle conjugated to Fab' antibody fragments. The small size of the resulting probe (smaller than a single IgG) ensures excellent penetration into tissues and better saturation of antigens. Smaller probes have been shown to give more quantitative antigen labeling. The 3 nm particle may be visualized directly at high magnification in the electron microscope, or silver enhanced for low magnification work and light and confocal microscopy applications. FAB-3 is gel filtered to eliminate aggregates. This high quality product is now available with goat anti-mouse, rabbit anti-goat, and other commonly used secondary antibodies, as well as with anti-biotin Fab'. You can now achieve improved performance with this new and unique product. Contact Nanoprobes, Inc., 25 East Loop Rd., Suite 124, Stony Brook, NY 11790-3350; Tel.: (516)444-8815, Circle Reader Inquiry #18.

✦ **TopoMetrix Corporation** announces One-Pass Imaging™ for magnetic force microscopy (MFM) using its TMX 2000 Scanning Probe Microscopes (SPMs). MFM offers high resolution, three-dimensional images of magnetic fields and One-Pass Imaging allows the user to simultaneously obtain and/or completely separate the topographic and magnetic signals. Tel.: (408)982-9700, Fax: (408)982-9751. Circle Reader Inquiry # 19.

✦ **Carl Zeiss, Inc.** announces the addition of an advanced automated coverslipper to its increasing line of histology products for the clinical or research pathology laboratory. The new Cover-Tech Coverslipper from MICRON, Walldorf, Germany, will automatically attach glass cover-ups to microscope slides at a rate of up to 500 per hour. It is suitable for cytological smears and preparations as well as histologies sections. The Cover-Tech Coverslipper is the perfect mate to the Zeiss HMS Series Programmable Slide Stainer and also is compatible with all other staining units. The unit features a simple touch keypad, integrated halogen illumination, a slide counter and automatic error display. Benefits include easy use, walk-away operation, reproducibility, time savings and user health and safety.

Microscope Division, Carl Zeiss, Inc., Thornwood, NY 10594. Call (800)233-2343, Fax: (914)681-7446. Circle Reader Inquiry #20.

✦ **Leica, Inc.** introduces two additions to its ultramicrotomy product line, the newly designed Ultracut R ultramicrotome and the FC-R attachment for cryosectioning. The Ultracut R's perfectly matched illumination and viewing system simplifies precise orientation and alignment of knife to block. The Leica StereoZoom microscope provides an exceptional image quality over the entire magnification range from 10x to 45x. For more information, contact Leica, Inc. at tel.: (800)248-0123. Circle Reader Inquiry #21.