

Optimizing Light Microscopy for Biological and Clinical Laboratories by Barbara Foster



Microscopy/Microscopy Education 53 Eton Street - Springfield, MA 01108



(413) 746-6931

e-mail: mme@map.com



Optimizing Microscopy

Get the BEST
from your
light microscope!
Attend this puratic lecture/de

Attend this energetic lecture/domo with author Barbara Foster

November 3 - NYC

November 5 - Springfield, MA

November 7 - Boston, MA



Barbara Foster or Ken Piel Microscopy/Microscopy Education (413) 746-6931

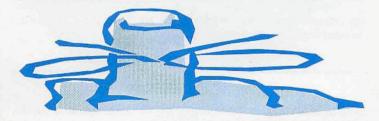
e-mall: mme@map.com

EMPLOYMENT WANTED

Electron microscopist seeks materials research position; M.S. Degreed; Experienced with laboratory management, user training, SEM, STEM, EDS, WDS, XRD, ultramicrotomy, computers, photography, printing, light microscopy, data analysis, publishing, and presenting. Ph: (702)753-4124, (603)429-0315.

USED EQUIPMENT FOR SALE

- OLYMPUS BMAX 40 Research Microscope (L.N.) \$3695, PM 10AD Photo-Micrographic System \$3750, PM 10AD CBAD Exposure Unit \$1395, 4x5 POLAROID Back with cone and adapt. \$950, AMRAY 1600 Turbo SEM \$14,950. MICROGENICS: (707)277-7909
- **✿ CAMECA IMS 4f, Ion Microanalyzer:** Currently in Fortune 500 R&D Lab. Mind condition. Instrument no longer satisfies changing Corporate R&D mission. Hessler Technical Services: Phone/Fax: (203)358-0266.
- ➡ ISI SX-30E SEM and an ISI SR-50 SEM: Both are in good condition. Warranty, Imaging and X-ray available on both. Call Cleaner Image for details: (908)359-5060
- ♠ MILITARY RESEARCH LAB IS CLOSING Military contractor is selling at drastically reduced prices its Reichart Polycut S motorized sliding microtome, refrigerated and rotary microtomes, Sorvall ultramicotome, Gatan Model 600 dual ion mill. Fisher embedding center, stereo microscopes, Perkin Elmer microdensitometer and LECO sulfur analyzer. For specification sheets, call: (202)544-0836.



ELECTRON MICROSCOPY LABORATORY MANAGER/TECHNICIAN

Trinity College has an immediate opening for an experienced Electron Microscopist to work in a newly established Electron Microscopy Center. As this facility is designed to serve both the physical and biological sciences, familiarity with both disciplines is highly preferred. Primary responsibilities include assisting faculty and students in the use of the facility for teaching and research, and overseeing the upkeep and use of TEM, STEM and specimen preparation facilities, including the analytical EM (EDX and EELS). A BS degree with advanced research training and/or extensive experience with TEM are essential; Master's degree with requisite experience is preferred.

This position is a full-time, 12-month appointment with full College benefits. Applications will be reviewed upon receipt; search will continue until position is filled. Please respond with a resume, cover letter stating salary expectations, and the names, telephone numbers and addresses of three professional references to: Prof. Daniel Blackburn, clo Human Resources, 300 Summit Street, Trinity College, Hartford, CT 06106. (Resumes also may be faxed: (860) 297-5140, or sent via the Internet: Sandra.Magee@Mail.Trincoll.edu).

Trinity College is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply. Applicants with disabilities should request any needed accommodation in order to participate more fully in the application process.





The Amray Model 3600 LEAP (Low Energy Advanced Performance) can propel your field emission SEM

(Low Energy Advanced Performance) can propel your field emission SEM performance beyond current boundaries to a new standard of excellence. The Amray 3600 LEAP delivers: □ high resolution − 4nm at 1kV, 1.5nm at 15kV □ optimized geometry for □ a short working distance at high tilts

with large samples (6mm w.d. at 45° tilt) □ high kV (25kV) for uncompromised analytical capabilities □ highly reliable patented Schottky field emission gun □ 2048 x 2048 frame buffer for advanced digital imaging □ two 17", high resolution, 1000 line viewing monitors □ 5 axes motor-

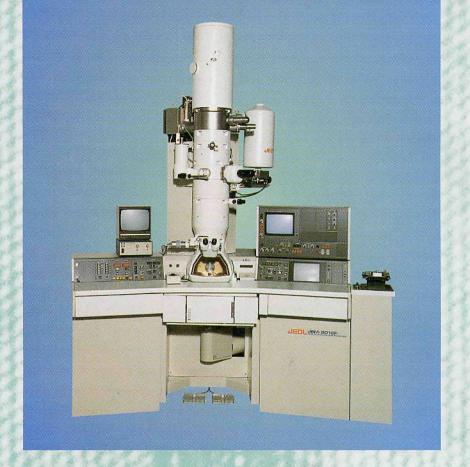


ized eucentric stage □ motorized 8" linear load lock for rapid sample exchange □ embedded computer control for all SEM functions

The Amray 3600 LEAP provides resolution that's out of this world – call 1-800-225-1462 for complete information on the Model 3600 LEAP and other Amray systems.

AMRAY

160 Middlesex Tpke., Bedford, MA 01730 Tel: 617-275-1400 Fax: 617-275-0740



Sights Unseen.

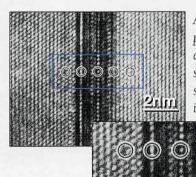
With the New JEM-2010F **Field Emission** Electron Microscope You'll See It ... If It's There.

From JEOL...the newest generation of precision equipment that permits unprecedented resolution in 3-dimensional, subnanometer analysis of microstructures.

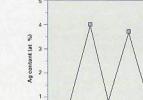
Featuring user-friendly operation and long-term stability, the JEM-2010F also offers:

- Schottky Emission: High Current High Brightness
- High Probe Current: 0.5nm Probe with 100 pA Current
- High Resolution: Information Limit 1.4Å, Scherzer 1.9Å
- Holography: Option Available
- STEM Resolution: 0.2nm
 Magnification: 8MX

Discover the JEM-2010F and visit sights previously unseen.



Al-Cu-Mg (Ag) precipitate in aluminum showing silver segregation to interface.



Data courtesy of Dr. James M. Howe, Department of Materials Science & Engineering, University of Virginia, U.S.A.



JEOL USA, Inc., 11 Dearborn Road, Peabody, MA 01960 Tel: 508-535-5900 Fax: 508-536-2205 e-mail: eod@jeol.com