

NEW AND/OR INTERESTING IN MICROSCOPY AT PITTCOON '93

- ★ **AMRAY, Inc.** (800)225-1462 / (617)275-1400: Introduced the **Model 1910 FE**, a LOW COST-NO COMPROMISE, field emission SEM. Offering resolution of 1.4 nm at 30kV, the 1910 FE provides field emission technology at a previously unheard of price.
- ★ **BIO-LAB/Digilab** (617)868-4330: Demonstrated the new **ViewScan DVC-250 Direct View, Real Time, True Color Confocal Imaging System**, which is as easy to use as a standard research-grade epifluorescence microscope.
- ★ **Cameca Instruments, Inc.** (203)348-5252: **Time of Flight SIMS**, featuring laser post-ionization for increased elemental sensitivity and expanded range of detectable molecular species; improvements in sub-micron imaging and shallow depth profiling.
- ★ **Carl Zeiss, Inc.** (800)356-3440: The first USA installation of the new **EM912/OMEGA Transmission Electron Microscope** has been completed and accepted at Arizona State University - Center of High Resolution Electron Microscopy.
- ★ **Codonic** (800)444-1198: Announces two new state-of-the-art printers that are ideal for microscopy: the **NP-600 Photographic Network Printer** produces color digital output, and the **VP-4500 Video Printer** produces 256 levels of gray.
- ★ **Data Translation** (508)481-3700: **GLOBAL LAB® Image**, high-precision image analysis software for Microsoft™ Windows, can help solve your most challenging imaging problems. By automating processing, measurement, and classification, **GLOBAL LAB® Image** increases productivity, accuracy, and speed in any application.
- ★ **ETP USA** (510)449-8534: Displayed was **THE ROBINSON DETECTOR** equipped with low accelerating voltage BSE imaging. With 0.1 atomic number discrimination, 3 nm spatial resolution & TV imaging, it is recognized world-wide as the finest BSE available.
- ★ **Horiba Instruments, Inc.** (415)349-4802: Horiba has combined **Even Better Magic™** and **Even Better Imaging™** software on the Macintosh platform to permit the analyst to obtain instantaneous qualitative and quantitative analysis.
- ★ **Jandel Scientific** (800)874-1888: New **MOCHA® Image Analysis Software for Windows** turns images into meaningful data precisely, reproducibly, and automatically. Quantifies intensities and morphometries of cells, particles, fibers, materials, autoradiograms, and other applications where images are routinely measured.
- ★ **JEOL USA, Inc.** (508)535-5900: The **JEOL JAMP-7800** is a new generation **Scanning Auger Electron Spectrometer** that utilizes an electrostatic hemispherical analyzer with a multiple detector.
- ★ **Moxtek, Inc.** (801)225-0930: Our proprietary **Super UTW (Si(Li) Detector Window** allows detection of X-rays as light as beryllium K-alpha.
- ★ **National Institute of Standards and Technology** (301)975-2208: **NIST/NIH Desktop Analyzer Program and X-Ray Database** performs rapid, yet detailed generation, interpretation, and analysis of x-ray spectra.
- ★ **Nicolet Instruments** (800)356-8088. The Nicolet booth highlighted a number of FT-IR microscopes and accessories including the **IRμs™ scanning infrared microprobe** which quantifies and maps organic and inorganic materials; the **Nic-Plan™ research-grade, infrared microscope** that interfaces with one of Nicolet's high performance FT-IR systems and features an open throat design and the **Side Port Reflectance accessory** for viewing samples too large to fit on the microscope stage; and the new **EZ-Scope™ in-sample compartment FT-IR accessory**, a cost-effective microsampling unit that fits in the main sample compartment of Nicolet's Model 205 and Impact™ 400 FT-IR systems.
- ★ **Philips Electronic Instruments Co.** (201)529-6165: Demonstrated their **XL Series of Scanning Electron Microscopes** with a fully integrated EDAX EDS system. The system offers the user single keyboard, single mouse, single monitor control of the SEM and EDS system through Microsoft® Windows™. Since optimum imaging, EDS and the eucentric point of the stage are at one short (<10mm) working distance, the operator can easily switch between imaging and EDS modes in Microsoft Windows without having to move the stage.
- ★ **RJ Lee Group, Inc.** (412)325-1776: Displayed the **Personal SEM™**, a new, low-cost, digital, easy-to-operate SEM and the **CYTODRIVE™**, an automated, motorized microscope stage for pap smear and other analyses.
- ★ **SEMICAPS Inc.** (408)986-0121: **Image Archival System** for SEM, TEM/STEM, Optical, and PC based systems. Improves productivity & drastically reduces film costs. Networking, image processing & analysis capabilities. Image acquisition up to 4096 x 4096 pixels.
- ★ **SPI Supplies** (800)2424-SPI: **DOUBLE SIDED, CONDUCTIVE ADHESIVE CARBON SHEETS** - specially developed for attaching samples to mounts for examination by SEM or EDS. Provides excellent conductivity with minimum beam sensitivity, enables mounting of highly porous or absorbent samples without distortion and enables mounting without the organics that typically off-gas.
- ★ **Spectra-Tech Inc.** (203)357-7055: Introduced the two new germanium and diamond crystal versions of the **ATR Microscopy Objective**. The ATR Microscopy Objective is used for in-situ molecular microanalysis of organic and inorganic material surfaces.
- ★ **TopoMetrix** (408)982-9700: **Explorer AFM System**, A low-cost, complete high-performance atomic force microscope, allowing AFM imaging of any size sample, significantly expands applications for AFM in Chemistry and Spectroscopy.



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F.Y.I & F.Y.H*

(* = For Your Help?)

The following is a summary of all "establishments" in the U.S. (excluding manufacturers and suppliers) that receive five or more copies of this newsletter. "" indicates those with employment and internal addresses confirmed.*

Help with all others would be appreciated - to confirm both employment and internal mailing addresses.

- - - Don Grimes, Editor

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|--|--|--|---|
| <p>Abbott Labs, Abbot Park IL
Alabama U of, Birmingham AL
Albany Med College, Albany NY
Alcoa, New Kensington PA
Allegheny Ludlum Steel,
Brackenridge PA
Allied Signal, Morristown NJ
Amoco Corp, Naperville IL
Argonne National Labs, Argonne IL
Arizona U of, Tucson AZ
Arizona U Col of Med, Tucson AZ
Arizona State Univ, Tempe AZ
AT&T Bell Labs
* Allentown PA
New Providence NJ
Auburn Univ, Auburn AL
Batelle Pac NW Lab Richland WA
Baylor Col of Med, Houston TX
Baxter Healthcare, Round Lake IL
Beth Israel Hospital, Boston MA
Bethlehem Steel Co
Bethlehem PA
Chesterton, IL
Bethesda Eye Inst, St Louis MO
Boston Univ Med Sch, Boston MA
Bowling Green State Univ
Bowling Green OH
Bowman Grey Med School
Winson Salem NC
BP America, Cleveland OH
* Brandeis U, Holliston MA
Brookhaven Natl Lab, Upton NY
Brown Univ, Providence RI
Carnegie Mellon U, Pittsburgh PA
* Calif State U, Long Beach CA
Calif, U of
Davis CA
* Berkeley, CA
La Jolla CA
San Francisco
Santa Barbara CA
Calif U of Med Sch, San Fran CA
* Caltech, Pasadena CA
Case W Reserve U, Cleveland OH
Ctrs Disease Control, Atlanta GA
Central MI U, Mt Pleasant MI
Chas Evans Assoc, Rwd City CA
Childrens Hospital, Boston MA
Cincinnati U of, Cincinnati OH
Clemson U, Clemson SC
Cleveland Clinic, Cleveland OH
Colorado U of, Boulder CO
CO School Mines, Golden CO
Construction Tech Labs, Skokie IL
Cornell U, Ithaca NY
Corning Glass Wks, Corning NY
Dartmouth College, Hanover MA
David Taylor Lab, Annapolis MD
Delaware U of, Newark DE
Digital Equipment Corp
Hudson MA
Northborough MA
Dow Chemical
Freeport TX</p> | <p>Midland MI
Duke Med School, Durham NC
E Carolina U, Greenville NC
Eastman Kodak, Rochester NY
E TN State U, Johnson City TN
El Dupont
Philadelphia PA
Wilmington DE
Emory U, Atlanta GA
Exxon Research, Annandale NJ
Florida U of, Gainesville FL
FL Marine Res, St Petersburg FL
Fordham U, Bronx NY
Ford Motor Co, Dearborn MI
Fred Hutchison Cancer Res Ctr
Seattle WA
General Electric Co
Cincinnati OH
Pleasanton CA
Schenectady NY
GM Research, Warren MI
Georgetown U Med Ctr, Wash. DC
Georgia U of, Athens GA
Geo. Mason U, Fairfax VA
Geo. Washington U, Wash. DC
Gulf Coast Res Lab Ocean Sp MD
Hahnemann U, Philadelphia PA
Harvard Sch Pub Hlth, Boston MA
Henry Ford Hos, Detroit MI
Hewlett Packard, Palo Alto CA
Houston U of, Houston TX
Howard U, Wash. DC
IBM Corp
Endicott NY
Essex Junction VT
Hopewell Junction NY
Manassas VA
San Jose CA
Rochester MN
Yorktown Hts NY
Illinois U of
Chaicag IL
Urbana IL
Intel
Hillsboro OR
Santa Clara CA
Iowa State U, Ames IA
Iowa U of, Iowa City IA
Jefferson Med Col, Phila. PA
Jet Prop. Lab, Pasadena CA
Johns Hopkins Med Ctr, Balti. MD
Kansas U of Med Ctr, K.C. KS
Kraft Tech Ctr, Glenview IL
* L. Berkeley Lab, Berkeley CA
L. Livermore N Lab, Livermore CA
Lehigh U, Bethlehem PA
Los Alamos Natl Lab, L.A. NM
LA State U, Baton Rouge LA
LSU Med Ctr, New Orleans LA
Louisville U of, Louisville KY
Marshall SFC, Huntsville AL
Martin Marietta, Oak Ridge TN
MD U of, College Park MD
MD U of Med Sch, Baltimore MD</p> | <p>Marine Bio. Lab, Woods Hole MA
MA General Hospital, Boston MA
MA U of, Amherst MA
MA U of Med Ctr, Worchester MA
MIT, Cambridge MA
* Mayo Clinic, Rochester MN
McCrone Assoc, Westmont IL
Merrell Dow R.C., Cincinnati OH
Med Col of GA, Augusta GA
Med Col of OH, Toledo OH
Med Col of SC, Charleston SC
Med Col of WI, Milwaukee WI
Miami U, Oxford OH
Michigan U of, Ann Arbor MI
Michigan State U, E. Lansing MI
MS State U, MS State MS
Missouri U of, Columbus MO
MN U of,
Minneapolis, MN
St Paul, MN
Monsanto Co, St Louis MO
Motorola Inc, Mesa AZ
NASA, Hampton VA
NASA Johnson SFC, Houston TX
* NASA Lewis R. Ctr, Cleveland OH
* Natl Animal Disease Ctr, Ames IA
Natl Cancer Res Ctr, Frederick MD
* NIH, Bethesda MD
NIST, Gaithersburg MD
Natl Semicond., Santa Clara CA
Naval Research Lab., Wash. DC
Naval Weapons S.C., Crane IN
Nebraska U of, Lincoln NE
* Nebraska U of Med Ctr Omaha NE
Nevada U of, Reno NV
NY State Dept Health, Albany NY
NY U Med Ctr, New York NY
* NM U of, Albuquerque NM
NC A&T U, Greensboro NC
NC U of, Chapel Hill NC
* NC State U, Raleigh NC
N. Texas U of, Denton TX
Northern AZ U, Flagstaff AZ
Northwestern U
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Ohio State U, Columbus OH
Oklahoma U of, Norman OK
OK U Health Sci Ctr, OK City OK
OK State U, Stillwater OK
Oregon Grad Inst, Beaverton OR
Oregon U of, Eugene OR
PA State U, Univ. Park PA
PA U of, Phila. PA
PA U of Med Sch, Phila. PA
Philip Morris R. Ctr, Richmond VA
Pittsburgh U of, Pittsburgh PA
Polaroid Corp, Cambridge MA
Portland State U, Portland OR
Procter & Gamble, Cincinnati OH
Purdue U, W. Layette IN
Rhode Island U of, Kingston RI
RJ Lee Group, Monroeville PA</p> | <p>RMC Inc, Tucson AZ
Rutgers U, Picalaway NJ
St Louis U Sch Med, St Louis MO
Sandia Natl Labs Albuquerque NM
San Joaquin Delta C. Stockton CA
Smith Kline B, King of Prussia PA
Smithsonian Inst, Wash. DC
So. Alabama U of, Mobile AL
So. Calif U of, Los Angeles CA
So. Carolina U of, Columbia SC
So. Florida U of, Tampa FL
* So. Illinois U of, Carbondale IL
So. II U of Sch Med, Springfield IL
SW MO State U, Springfield MO
SW Research Inst San Antonio TX
Stanford Research, Stanford CA
State Univ of NY
Albany NY
Buffalo NY
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Texaco R&D Ctr, Beacon NY
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Texas Inst, Dallas TX
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Texas U of
Austin TX
Dallas TX
El Paso TX
Texas U of Hth Sci Ctr
Houston TX
* San Antonio TX
Texas U of Med Br, Galveston TX
TN U of, Knoxville TN
3M Co, St Paul MN
Tufts U Med Sch, Boston MA
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