43rd Regional Buyer’s Guide

228th ACS National Meeting
August 22-26, 2004
Philadelphia, PA
Robertson Microlit Laboratories

- Elemental CHN Analysis
- Atomic Emission Spectroscopy
- Atomic Absorption Spectroscopy
- FTIR Spectroscopy
- UV/ VIS Spectrophotometry
- Mass Spectrometry
- Chromatography
- Bioavailability
- Polarimetry
- Calorimetry
- Titrimetry
- Wet Chemistry
- KF Aquametry

P. O. Box 927  •  29 Samson Avenue  •  Madison, NJ 07940
Tel: (973)966-6668  •  Fax: (973)966-0136
www.robertson-microlit.com
email: results@robertson-microlit.com

Do Away with Vacuum Pump Oil Mist

**with MV Oil Mist Eliminators**

- Removes oil mist from vacuum pump exhaust
- Coalescing filters drain oil into a reservoir for easy recovery
- Protects clean rooms from pump vapors
- Keeps oil residue from sticking to furniture, walls and floors

Vacuum pump oil mist contaminates the surrounding air, settles on surfaces and you breathe it. Eliminate this problem by installing MV oil mist eliminators on your vacuum pumps. The coalescing filter elements remove oil mist at 0.1 micron with an efficiency of 99.999%. Contact MV Products for the oil mist eliminators best suited for your requirements.

MV Products
247 Rangeway Road • PO Box 359 • North Billerica, MA 01862
978-667-2393  •  FAX 978-671-0014  •  E-MAIL sales@massvac.com  •  WEB www.massvac.com
CIRCULATION: 12,000

The monthly newsletter of the New York & North Jersey Sections of the American Chemical Society. Published jointly by the two sections.

CONTENTS

Advertisers Index . . . . . . . . . . . . . . . . . .31
Buyer’s Guide - Products & Services .24-27
Call for Nominations . . . . . . . . . . . . . . . . .8
Career Opportunities . . . . . . . . . . . . . . .31
Education . . . . . . . . . . . . . . . . . . . . . .4, 6
New York Meetings . . . . . . . . . . . . . . . . .5
North Jersey Meetings . . . . . . . . . . . . . .6-9
Others . . . . . . . . . . . . . . . . . . . . . . . .8-13
Professional/Product Directory . . . . . .31

EDITORIAL DEADLINES

October August 15
November September 15
December October 15
January 2005 November 14
February December 13
March January 14, 2005
April February 13
May March 15
June April 15
September July 15

Click to Visit

www:TheIndicator.org

POSTMASTER: Send address changes to American Chemical Society, Department of Member and Subscriber Services, THE INDICATOR, P.O. Box 3337, Columbus, OH 43210, or e-mail: service@acs.org. Periodicals postage paid at Montville, NJ and additional mailing offices.

Published monthly except July and August. All views expressed are those of the editor and contributors and do not necessarily represent the official position of the New York and North Jersey Sections of the American Chemical Society unless so stated. Subscription price included in dues paid by New York and North Jersey Section members. Subscription price to non-members of either Section $20.00 per year. To subscribe, make checks payable to The Indicator and mail to the Manager/Editor (see top of left column on this page.

Address advertising correspondence to Advertising Manager. Other correspondence to the Editor.
June Calendar

NEW YORK SECTION
Thursday, June 10, 2004
Chemical Marketing & Economics Group
See page 5.

NORTH JERSEY SECTION
Thursday, June 3, 2004
Careers in Transition
See page 6.

Friday, June 4, 2004
ChemTAG
See page 6.

Wednesday, June 23, 2004
NMR Topical Group
See page 7.

Deadline for items to be included in the October 2004 issue of The Indicator is August 15, 2004.

Education

THE MA PROGRAM AT THE CITY COLLEGE OF NEW YORK

Would you like to increase your educational background but you are not sure if the Ph.D. degree is best for you? The City College offers the MA program in Chemistry. Course offerings every spring and fall provide state-of-the-art education in the areas of organic, inorganic and environmental chemistry. Classes in the evenings for students who are unable to attend day sessions. Learn about research in the various fields by participation in research activities.

Contact: Ms. Denise Addision, tel: (212) 650-8402, e-mail: chemistry-office@sci.ccny.cuny.edu
For courses leading to the MA degree in biochemistry contact: Prof. H. Schulz, Tel: (212) 650-8323, e-mail: hoschu@sci.ccny.cuny.edu
New York Meetings

www.newyorkacs.org

CHEMICAL MARKETING & ECONOMICS (CM&E) GROUP

Winning in the World of Specialty Chemicals During a Time of Change

Speaker: Dr. Elie Saad
Director, Functional Chemicals
Bayer Chemicals Corp.
(soon to be known as Lanxess)
Pittsburgh, PA

Date: Thursday, June 10th, 2004

Times: Cocktails 11:30 AM
Luncheon 12:00 Noon
Presentation 1:15 PM

Place: The Chemists’ Club
40 West 45th Street
New York, NY

Cost: $35 discount price for Members who reserve by Tuesday, June 8 (12 noon); $50 for Guests and Members (at the door without reservations)

To reserve: Please reserve early to be eligible for discount price. Call Probe Economics at (914) 923-4505, or via e-mail to: cmegroup@yahoo.com. To pay online, go to the CM&E Website: http://home.nyc.rr.com/chemmarkecon/
North Jersey Meetings

http://www.njacs.org

CAREERS IN TRANSITION GROUP

Job Hunting??

Are you aware that the North Jersey Section holds monthly meetings at Fairleigh Dickinson University in Madison to help ACS members? Topics covered at these cost-free workshops are:
- The latest techniques in resume preparation
- Ways for improving a resume
- Answers to frequently asked interview question and
- Conducting an effective job searching.

The next meeting for the Careers In Transition Group will be held Thursday, June 3, 2004, in the Rice Lounge on the first floor of the New Academic Building. The meeting will start at 5:30 PM and end at 9:00. There will be a Dutch-treat dinner. To get the most from the meeting, be sure to bring transparencies of your resume.

There will be no meeting in July and August. Please contact vjkuck@yahoo.com, if you plan on attending this meeting.

ChemTAG

A special presentation for ChemTAG members will begin promptly at 4:00 pm. Plan on arriving early. A barbeque at Bernie Donegan's will follow the meeting.

Date: Friday, June 4, 2004
Time: Presentation 4:00 PM
Place: Sterling Mine
Cost: $10.00

Contact Diane Krone at (201) 385-4810 or kroned@optonline.net for directions.

Education

The Formula for Success

Graduate Studies in Chemistry

If your field is chemistry, a Master of Science (M.S.) in Chemistry or a concentration in Pharmaceutical Chemistry can be a crucial element in achieving your career ambitions.

Whether your specialty is in research or teaching, an advanced degree from Fairleigh Dickinson University can mean advanced pay, position or authority in your work.

Offered at FDU’s convenient College at Florham Campus, the M.S. in chemistry program features the following courses in the Fall 2004 semester, which begins on September 1, 2004.

- Biochemistry (Dr. W. Fordham)  5:25–6:40 p.m.
- Pharmacology (Staff)  6:45–8:00 p.m.
- Instrumental Analysis (Dr. R. Strange)  5:25–6:40 p.m.
- Pharmacokinetics (Staff)  6:45–8:00 p.m.

For more information call:
(973) 443-8778 / 8779
Dr. Norwood will talk to us about his experience in the pharmaceutical industry regarding the analysis of small organic molecules. The particular focus of his talk will be the relative strengths and weaknesses of MS vs. NMR, as well as the professional and scientific interactions of Mass Spectrometrists and NMR Spectroscopists.

Dr. Daniel L. Norwood is Senior Principal Scientist and Section Leader in the Analytical Sciences Department at Boehringer Ingelheim Pharmaceuticals, Inc. in Ridgefield, CT. He is responsible for the Preclinical Analysis Section, which includes the Structural Analysis, Materials Analysis, Microscopy, and Toxicology Analysis Groups, which includes mass spectrometry and NMR spectroscopy. Dr. Norwood received his Ph.D. in Environmental Chemistry from the University of North Carolina at Chapel Hill, and has over 27 years of experience in structure elucidation and trace organic analysis in the pharmaceutical and biomedical areas. He chairs the PQRI (Product Quality Research Institute) Working Group on Leachables and Extractables and has served on several International Pharmaceutical Aerosol Consortium (IPAC-RS) working teams related to container/closure system issues, analytical methods and regulation.

Date: Wednesday, June 23, 2004
Times: Beverages in the lounge 5:45 PM
       Dinner 6:30 PM
       Seminar 7:00 PM
Place: Woodbridge Hilton
Cost: $10 for students and post-docs, for all others $30.

News from the Group: Thanks to a generous donation from Varian, Inc. we were able to purchase our own LCD projector. After the June meeting, we will resume our regular program in September, and we have a tentative list of speakers throughout the rest of the year. Topics will include Specialty Chemicals, Surface Chemistry, and others.

Please visit our Website at http://njacs.org/nmr.html for further information. Our June meeting is exciting and, again, of interdisciplinary interest. The particular focus will be on the analysis of small organic molecules by NMR and MS, emphasizing the individual strengths and weaknesses of these analytical methods. Please join us for our June 23rd meeting.

ACS-TA EXECUTIVE COMMITTEE MEETING
Details TBA
Contact: Diane Krone at (201) 385-4810 or kroned@optonline.net

Make Your Sample Preparation Problems Disappear.

SPEX CertiPrep has provided spectroscopists with durable, reliable and economical sample preparation equipment for 50 years. Products available include: Grinders, Mills, Presses, Dies, XRF Accessories, Fusion/Flux Equipment and Cryogenic Grinders.

1-800-522-7739
263 Norcross Avenue, Metuchen, NJ, USA 08840
Phone 732-549-7144 • Fax 732-903-9647
http://www.spxcsp.com
sampleprep@spxcsp.com

THE INDICATOR-JUNE 2004 7
Call For Nominations

ACS NEW YORK SECTION’S OUTSTANDING SERVICE AWARD FOR 2004

Each year the New York Section presents an Outstanding Service Award to a very deserving member. Many members of the New York Section provide their time, leadership talent, educational skills and other valuable assets to the New York Section.

The tradition of excellence of the New York Section is directly attributable to the cumulative effect of these individuals. Please help us to recognize the efforts of our colleagues by nominating them for this award. The award will be presented at the New York Section’s General Meeting and Section-wide Conference in January 2005.

Nominations with supporting data should be mailed to Professor Yorke E. Rhodes, 1629 Glenwood Road, Route 565, Sussex, NJ 07461 or e-mailed to yr2@nyu.edu

For more information about the award along with a list of former award recipients, please visit the New York Section website at www.NewYorkACS.org.

Nominations should be forwarded to Professor Rhodes by June 30, 2004.

Others

CACS ANNUAL SYMPOSIUM
Focus on Frontiers of High Throughput Technologies and Applications

Jointly sponsored by the Chinese American Chemical Society and the Department of Pharmaceutical Chemistry, Ernest Mario School of Pharmacy, Rutgers University

Date: Saturday, June 5, 2004
Place: Fiber Optics Auditorium
Rutgers University, Busch Campus
607 Taylor Road
Piscataway, New Jersey

Agenda

8:15 AM
On-site Registration, Vendor & Poster Setup, Wake Up Coffee & Donuts

8:50 AM
Welcome Remarks
Dr. Kuangnan Qian
Tristate CACS President

Session Chair: Dr. Kuangnan Qian
ExxonMobil

9:00 AM
"The Role of HTE on "Combicats" (Metal Oxides/Micro-Meso Porous Supports) for Petrochemicals and Refining"
Dr. Jeffrey S. Beck  
Director of Catalyst Technology  
ExxonMobil Research & Engineering Company

9:30 AM  
"Recent Developments and Trends in High-Throughput MS and MS/MS Analyses"  
Professor Jack Henion  
President of Advion BioSciences

10:00 AM  
"Career Path in a Corporate Setting"  
Dr. Helen Han Hsu  
Sr. Director, J&J

10:20 AM  
Social break

Session Chair: Dr. Longqin Hu  
Rutgers University

10:40 AM  
"High Throughput Screening Applications for Microbial Functional Genomics"  
Professor Gerben J. Zylstra  
Director of Biotechnology Center for Agriculture and the Environment  
Rutgers University

11:10 AM  
"Avoiding Bottlenecks in High Throughput Experimentations"  
Dr. Ulrich E. Hackler  
Business Manager of Chemspeed, UK

11:40 AM  
"How Best to Start a Company and Develop it into a Nasdaq Listed Company in 3 to 5 Years"  
Dr. Joseph Mo  
CEO, NexMed, Inc.

12:00 AM  
Lunch

Session Chair: Dr. Yuguang Wang  
Schering Plough

1:00 PM  
"High-Throughput Synthesis: Impact on Drug Discovery and Beyond"  
Dr. Brian McKittrick  
Associate Director and Head of CombiChem  
Schering Plough Research Institute

(continued on page 10)
CACS ANNUAL SYMPOSIUM  
(continued from page 9)  
1:30 PM  
"R&D Outsourcing and High Throughput Research in China-a History and Recent Development of PharmaTech"  
Dr. Ge Li  
Chairman and CEO  
WuXi PharmaTech Co., Ltd.  
Shanghai, China  
2:00 PM  
"From Bench Work to Business World"  
Dr. T. Ben Hsu  
V.P., Finance & Control  
Quest Pharmaceutical Services  
2:20 PM  
Social Break  
Session Chair: Dr. Teh Ho  
ExxonMobil  
2:40 PM  
"Patent Trends in High Throughput Technologies"  
Dr. Kent H. Cheng  
Cohen, Pontani, Lieberman & Pavane  
3:10 PM  
"Combinatorial Chemistry for Novel Material Development at ITRI"  
Dr. Jassy Wang  
Deputy General Director  
Union Chemical Lab., ITRI  
Taiwan, ROC  
3:40 PM  
"Adapting to the US Work Environment"  
Dr. Lisa I. Yeh  
Advanced Research Associate  
ExxonMobil Research & Engineering Company  
4:00 PM  
Introducing CACS Mentor Program  
Dr. Yongkui Sun  
Merck Co.  
Dr. Lisa I. Yeh  
ExxonMobil  
4:10 PM  
Concluding Remarks  
Dr. Teh Ho  
CACS President  
4:15 PM  
Meeting Adjourned  
Registration: Free  
Register Online at: www.tristatecacs.org or contact one of the following Tristate CACS representatives for registration.  
Shaoqing Chen (Roche) at 973-235-4636, shaoqing.chen@roche.com  
Haiping Wang (Schering) at 908-740-3996, haiping.wang@spcorp.com  
Guang Cao (ExxonMobil) at 908-730-2103, guang.cao@exxonmobil.com  
Tianhui Xia (Aventis) at 908-2314890, tianhui.xia@aventis.com  
Guoqiang Shi (Merck) at 732-355-0297, guoqiang_shi@merck.com  
Weiyi Zheng (Novartis) at 862-7785311, weiyi.zheng@pharma.novartis.com  
Vendor & Sponsor Contact:  
Kuangnan Qian at 908-7302013, kuangnan.qian@exxonmobil.com  
CACS is a non-profit, non-political professional organization. To learn more about CACS please visit the following web sites, www.cacshq.org and www.tristatecacs.org

GATEWAY CHEMICAL TECHNOLOGY  

chemistry to meet your needs  

CUSTOM SYNTHESIS  
¥ Pharmaceuticals  
¥ Agrichemicals  
¥ Combinatorial Platforms  
¥ Competitor’s Products  
¥ Intermediates  
¥ Analytical Standards  
¥ Metabolites  

PROCESS DEVELOPMENT  
¥ Process Evaluation  
¥ New Route Development  

SPECTROSCOPIC SERVICES  
¥ LCMS (APCI and API-ES)  
¥ NMR (300 MHz)  
¥ GCMS (EI)  

11810 Borman Dr  ¥ Saint Louis, Missouri 63146  
314.220.2691 (office)  ¥ 314.991.2834 (fax)  
www.gatewaychemical.com  ¥ rjkaufman@aol.com
228th AMERICAN CHEMICAL SOCIETY NATIONAL MEETING

Special Symposium: “Ionic Liquids in Organic Synthesis”

Sponsored by: American Chemical Society Organic Division

Organizer: Prof. Sanjay V. Malhotra
Department of Chemistry and Environmental Science
New Jersey Institute of Technology, Newark, NJ

Overview: The symposium will consist of four half-day sessions of oral presentations and one poster session.

Topics:
• Organic Reactions
• Biosynthesis
• Polymerization
• Nanosynthesis
• Catalysis (Asymmetric, Bio-, Homogeneous & Heterogeneous)
• Electrochemistry etc.

Date: August 22-26, 2004
Place: Philadelphia, PA, USA
Cost: Free and open to all.

For more information: E-mail: malhotra@njit.edu, Phone: 1-(973) 596-5583 or Fax: 1-(973) 596-3586.
http://www.njit.edu/Chem/

WOMEN CHEMISTS NATIONAL COMMITTEE

Leadership Tools Workshop

Instructor: Teresa Edmondson, Founder
Edmondson Consulting Group

Target Audience: Women in Industry

Emotional Intelligence Tools for Career Success:
• Emotional Intelligence and its application to the workplace
• Assessment of current Emotional Intelligence levels
• Tools for responding appropriately to work situations
• Techniques to avoid emotional hijacks
• Specific strategies and techniques to raise Emotional Intelligence

Teresa Edmondson brings over 15 years of management and consulting experience to her audiences. She has worked with numerous Fortune 100 companies, as well as not-for-profit firms, including clients such as Compaq, ExxonMobil, Shell Oil, and Raytheon Systems Company. Teresa offers expertise in the areas of leadership and team development, workplace communication and emotional intelligence.

Date: Sunday, August 22, 2004
Times: 8:00 AM - 4:00 PM
Place: ACS Fall National Meeting
Philadelphia, PA
Cost: $199 per participant.

How to Register: Print the registration from the WCC website at http://membership.acs.org/w/wcc/
Deadline is 8/1/04. Contact Amber Hinkle at amber.hinkle@bayerpolymers.com for more information

SHOW – Sample Handling Operation Wizard

Error minimizer, stress reliever, productivity enhancer.
• Computer guiding system for manual sample handling
• 24, 48, 96, and 384-well plates, discrete vials
• A fraction of the cost of liquid handlers

Contact for demo!
LabAdvance, LLC, Livingston, NJ
www.LabAdvance.com, info@LabAdvance.com

 Parallel synthesis
 Cherry-picking
 Plate reformatting
 Data recording
Symposium: The Fundamentals of MS and MS-MS for Chromatographers

“HPLC Method Development for LC/MS: Transfer of Conventional HPLC Methods to LC/MS”

Speaker: Shane Needham, PhD.

The section discusses the importance of HPLC when interfaced with mass spectrometry including the separation of undetected matrix components, isomers and labile metabolites. The development of HPLC methods for LC/MS for use in qualitative and quantitative analysis throughout drug discovery and drug development are presented. The most advantageous column chemistry for each LC/MS application are thoroughly discussed. Details of choosing the mobile phase additives, mode of separation, and best column size for a particular application are presented. The aspects of chromatographic retention, peak shape and resolution relative to LC/MS methods will also be presented. A section of the course is devoted to the minimization of adverse ionization effects that occur in the MS source by the development of good quality HPLC methods. The modifications of conventional HPLC methods to those compatible with LC/MS are also presented. Specific examples are included for each topic discussed including “real-world” problem solving and applications.

“Introduction to API Mass Spectral Interpretation”

Speaker: Cecilia Basic, PhD.

A summary of the tools available when interpreting of both full-scan LC/MS and product ion LC/MS/MS spectra collected using the atmospheric pressure ionization methods (API) of electrospray (ESI) and atmospheric pressure chemical ionization (APCI) will be presented. Tools included determining molecular mass from ions, rules for determining the number of N-atoms and C-atoms present in a molecule, as well as the use of isotopic ion patterns to identify heteroatoms. The use of accurate mass measurements to confirm proposed structures as well as to generate lists of possible formulae for unknowns was also described. A summary of the general rules guiding the fragmentation of ESI-generated ions lead to an understanding of the origins of fragment ions seen in a mass spectrum.

“An Introduction to LC-MS and LC-MSMS of small molecules”

Speaker: Philip R. Tiller, PhD.

The purpose of this presentation is to discuss the most prevalent mass spectrometry instrumentation found in a modern LC-MS laboratory. The presentation will focus on single quadrupole, triple quadrupole and ion trap mass spectrometers, these currently being the most frequently encountered LC-MS instruments.

A brief discussion of Atmospheric Pressure Ionization (API), highlighting the basic principles of both Electrospray (ESI) and Atmospheric Pressure Ionization (APCI) LC-MS.

Then a discussion of how a single quadrupole operates and the strengths and weaknesses of such an instrument will be followed by a discussion of how a triple quadrupole operates, providing an overview of the different MS/MS scan types possible using a triple quadrupole. The utility of the different MS/MS scan types will be compared with those possible using a single quadrupole mass spectrometer. The relative strengths and weaknesses of single and triple quadrupole instruments will be discussed. Following that a discussion of Ion Trap mass spectrometry will occur, highlighting the unique characteristics of such instruments and a comparison of ion trap and quadrupole instrumentation.

A brief discussion of some new analyzer types will end this presentation.

Biographies:

Dr. Shane Needham is Laboratory Director at Alturas Analytics, Inc. where he manages all scientific aspects of the HPLC/MS/MS bioanalytical contract laboratory. He has over 11 years of LC/MS and analytical lab experience in the drug discovery through drug development stage in the pharmaceutical industry. He previously worked for Pfizer Inc. in Groton, CT where he developed and validated GLP and non-GLP LC/MS/MS methods for the trace analysis of drugs and metabolites in biological fluids. He also performed in vivo and in vitro structure elucidation studies of drugs and metabolites using HPLC/MS/MS and HPLC/MSn instrumentation. His area of academic research included the development of optimized stationary phases to improve the assay of pharmaceuticals by HPLC/MS. Shane obtained his Ph.D. in Chemistry from the University of Rhode Island under the direction of Dr.
Phyllis R. Brown. Shane has over 60 publications and external presentations in the area of LC/MS. Shane also teaches LC/MS courses on the national and international level. Shane is a member of the American Chemical Society, American Society for Mass Spectrometry, American Association of Pharmaceutical Scientists and the International Society of the Study of Xenobiotics.

Dr. Cecilia Basic received her Ph.D. in analytical mass spectrometry under the supervision of Dr. Richard A. Yost at the University of Florida and her M.Sc. degree in mass spectrometry under the supervision of Dr. Alex Harrison at the University of Toronto. She has over 15 years of experience in mass spectrometry fundamentals and applications and has published numerous research articles and book chapters.

As owner of Basic Mass Spec, she has been conducting workshops in industry on the fundamentals of mass spectrometry instrumentation, methods and data analysis, as well as hands-on LC/MS/MS training sessions for over 5 years.

In addition, she is also currently an adjunct professor at Lehigh University through their Distance Education Program and is a past professor at Villanova University. Dr. Basic has also worked as a Visiting Scientist at the Beckman Research Institute at the City of Hope and as a scientist at NASA's Jet Propulsion Laboratory.

Dr. Philip R. Tiller obtained his PhD at the Imperial College of Science Technology and Medicine, University of London. Since then he has worked for both VG (now Micromass) and Finnigan. He has also worked in the Pharmaceutical industry initially at Glaxo in England and is now at Merck in the U.S. His focus has been the application of mass spectrometry in solving analytical problems.

Date: Monday, August 16, 2004
Times: Registration 8:00 AM (Continental breakfast provided)
Symposium 9:00 AM - 4:30 PM (lunch included)
Place: Somerset Marriott Hotel
Somerset, NJ
Cost: $100.00 (payment information will be announced at a later date)

Please reserve by: Monday, August 9, 2004 at our website: http://www.njacs.org/chroma.html
Directions to the hotel are also available here.

ASSOCIATION OF CONSULTING CHEMISTS & CHEMICAL ENGINEERS, INC. (ACC&CE)

Personal Care Products: History and Emerging Technology
Speaker: Michael W. Helioff
MH Consulting

Michael W. Helioff is a consultant in personal care products. He has over 40 years of experience including GAF, ISP and Norville, Inc.. His background includes 32 US Patents and 7 publications in this area. Mr. Helioff holds a BS in Chemistry from the University of Charleston, WV.

Date: Tuesday, June 22, 2004.
Time: Networking 6:00 PM
Dinner 6:30 PM
PrePM
Place: Sheffield's Catering
1050 Route 22 West
Mountainside, NJ
Cost: $40 Members
$50 Non-members

To Reserve: Call Linda B. Townsend at 1-973-729-6671 or e-mail: accce@chemconsult.org

Advanced registration is required. Cancellations must be made 24 hours in advance or be invoiced.

Please visit our web site for more details: www.chemconsult.org.

Contribute to The Indicator

The Indicator is interested in adding new features to the publication. Your input would be appreciated. Please let us know which type of feature you would like to see in future issues; i.e., book reviews, member news, short articles about your research or other ideas. Would you be willing to assist in gathering or writing such material?

Contact the Editor at: sturchio@optonline.net
Phone: (973) 331-5142
Fax: (973) 331-5143

THE INDICATOR-JUNE 2004 13
ANNUAL INDICATOR BUYER’S GUIDE

Your Buyers Guide Listing is free! If you are not listed in this year’s Guide, please contact Vince Gale at (781) 837-0424, Fax (781) 837-8792, e-mail: vincgale@tiac.net. The purpose of the Guide is to provide a ready reference of companies providing products and services that are of interest to our American Chemical Society members. Our members will use this guide as a way of finding vendors who can service their needs when they are trying to solve a problem, need equipment, restock inventory, or require consultant services, and they will keep this reference until the next one is published.

This directory will be given to our 12,000 members for their use. This issue has excellent advertising value because it is kept and referenced for the full year. For key numbers, see “Products and Services Directory” on page 30. If you wish to be in next year’s Guide, please contact Vince Gale as noted above.

BUYER’S GUIDE - Company Directory

A & D Weighing
Kimberly Gray
Marketing Manager
1555 McCandless Drive
Milpitas, CA 95035
(408)263-5333 (voice)
(408)263-0119 (fax)
www.a&dweighing.com
sales@a&dweighing.com
12B

AABSPEC Instrumentation Corp
Val Rossiter, President
135 Sutton Drive
Plainview, NY 11809
(800)783-9380 (voice)
(800)781-4934 (fax)
www.aabspec.com
val@aabspec.com
174A, 174B

Absolute Standards Inc.
John Criscio, CEO
PO BOX 5585
Hamden, CT 06518
(800)368-1131 (voice)
(203)281-2922 (fax)
www.absolutestandards.com
absolutest@aol.com
39

Activated Carbon Services Inc.
Dr. Henry G. Nowicki, President
409 Meade Drive
Corapolis, PA 15108
(724)457-6576 (voice)
(724)457-1214 (fax)
www.pacslabs.com
hnpcs@aol.com
60

Ahlstrom Mt Holly Springs LLC
Denise Russell
Customer Development Manager
122 W Butler St
Mt Holly Springs, PA 17065
(717)486-5982 (voice)
(717)486-6414 (fax)
ahlstrom.com/filtration specialties
denise.russell@ahlstrom.com
110

Airborne Labs Intl. Inc.
Don Pachuta, President
22C World’s Fair Drive
Somerset, NJ 08873
(732)302-1950 (voice)
(732)302-3035 (fax)
www.airbornelabs.com
airbornelabs@aol.com
135

AKZO NOBEL/EKA Chemicals
Pamela Mulla
Sales Support Manager
204 Spring Hill Road
Trumbull, CT 06611
(203)459-4376 (voice)
(203)452-0904 (fax)
www.kromasil.com
pamela.mulla@ekachemicals.com
44

Alpha Mos America
John Poling
V.P. Sales
33 North River Street
Hillsborough, NJ 08876
(908)359-9396 (voice)
(908)359-9398 (fax)
amusa@alpha-mos.com
12D

American Lab. (Int'l Sci Com)
Donna Hayes
Trade Show Coordinator
30 Controls Dr.
Shelton, CT 06484
(203)447-3426 (voice)
(203)447-3426 (fax)
iscpubs.com
donnah@iscpubs.com
179

Analytical Instrument Systems
Dr. Donald Nuzzio, President
P.O. Box 458
Flemington, NJ 08822-0458
(908)788-7022 (voice)
(908)788-7022 (fax)
ais@home.com
135A

Analytical Measurements
Richard Adye
Sales Manager
621 Ramsey Ave.
Hillside, NJ 07205
(800)635-5580 (voice)
(908)664-6622 (fax)
www.analyticalmeasurements.com
phmeter@bellatlantic.net
7

Andrews Glass Co Inc.
Dennis Courteen, Presidnet
3740 NW Blvd
Vineland, NJ 08360
(800)845-0026 (voice)
(856)692-5357 (fax)
mail@andrews-glass.com
116

Anter Corporation
1700 Universal Rd.
Pittsburgh, PA 15235-3998
(412)795-6410 (voice)
(412)795-8225 (fax)
www.anter.com
sales@anter.com
65A

Aqua Solutions, Inc.
Nick Papp
8 Old Burnt Mountain Road
Jasper, GA 30143
(706)692-9200 (voice)
(706)692-9203 (fax)
www.aqua-sol.com
sales@aqua-sol.com
135

Armbruster Associates Inc.
David Armbruster, President
43 Stockton Rd.
Summit, NJ 07901
(908)277-1614 (voice)
(908)277-1573 (fax)
www.armbrusterassocinc.com
drdavearm@att.net
78

THE INDICATOR-JUNE 2004
BUYER’S GUIDE - Company Directory

Association of Formulation Ch.
Laura Fosselman
Executive Director
PO Box 15235
Hattiesburg, MS 39404-5235
(601)266-6298 (voice)
(601)266-5635 (fax)
lmfoss@bellsouth.net
179B

Atlantic Analytical Laboratory
Bruce Gollob
President
PO Box 220, Salem Ind Pk
Bldg4
Whitehouse, NJ 08888
(908)534-5600 (voice)
(908)534-2017 (fax)
www.test-lab.com
AALCORP@aol.com
110

ATS RheoSystems
Lynn Morgan
Administrative Asst.
52 Georgetown Rd
Bordentown, NJ 08505-2405
(609)298-2522 (voice)
(609)298-2795 (fax)
www.atsrheosystems.com
info@atsrheosystems.com
12

Aura Industries Inc.
Henry Joshua
Vice President
545 Eight Ave, Suite 5W
New York, NY 10018
(212)290-9190 (voice)
(212)290-9191 (fax)
www.aura-inc.com
info@aura-inc.com
41

Autoclave Engineers Division
Tim Porco
Sales Manager
8325 Hessinger Drive
Erie, PA 16509
(814)860-5808 (voice)
(814)838-5855 (fax)
www.snap-tite.com
tim_porco@snap-tite.com
127,128

Avery Filter Co.
Larry Avery
Technical Director
99 Kinderkamack Road
Westwood, NJ 07675
(201)666-9664 (voice)
(201)666-3802 (fax)
www.averyfilter.com
larry_avery@csi.com
110

BASF Corp. Callery Chemical
Tracey Carl
Sales Administrator
1420 Mars-Evans City Rd.,
Evans City, PA 16033
(724)538-1238 (voice)
(724)538-1260 (fax)
carl@basf.com
37

Bel-Art Products
Terry Eisenhardt
Admin Asst., Sales & Marketing
6 Industrial Road
Pequannock, NJ 07440
(973)694-7199 (fax)
www.belart.com
teisenhardt@belart.com
119A

BioPro International Inc.
Rene Lohtser
President
P.O. Box 156 265 Conklin St.
Farmingdale, NY 11735
(516)249-0099 (voice)
(516)249-0494 (fax)
www.biopro.com
rohtser@biopro.com
112

Bioscience Technology
Boyce,Joan
Publisher
301 Gibraltar Drive
Morris Plains, NJ 07950
(973)292-5100 (voice)
(973)539-3476 (fax)
biosciencetechnology.com
jboyce@reedbusiness.com
179

Biotage, Inc./A. Dyax Corp Co.
P.O. Box 8006
Charlottesville, VA 22906
(800)446-4752 (voice)
(434)979-4743 (fax)
www.biotage.com
product_info@biotage.com
42A

Bohlin Instruments, Inc.
Charlotte Anderson
Marketing
11 Hartes Lane, Suite I
East Brunswick, NJ 08816
(732)254-7742 (voice)
www.bohlinusa.com
sales@bohlinusa.com
12

Brinkmann Instruments, Inc.
Nancy Burns
Communications Manager
One Cantiague Road
Westbury, NY 11590-0207
(516)334-7500 (voice)
(516)334-7521 (fax)
www.brinkmann.com
info@brinkmann.com
11A

Brookfield Engineering Lab
Inc
Robert McGregor
Marketing Manager
11 Commerce Blvd
Middleboro, MA 02346-1031
(508)946-6200 (voice)
(508)946-6262 (fax)
www.brookfieldengineering.com
sales@brookfieldengineering.com
12

Bulbtronics, Inc.
Barbara Kaplan
Marketing Manager
45 Banfi Plaza
Farmingdale, NY 11735
(631)249-2272 (voice)
(631)249-6066 (fax)
bulbtronics.com
bk@bulbtronics.com
120A

Burle Industries, Inc.
Nancy George
Admin Secy Mktg & Sales
1000 New Holland Ave
Lancaster, PA 17601-5688
(717)295-6888 (voice)
www.burle.com
burlesls@burle.com
84A

Burrell Scientific
Joseph Mattis
Vice President
2223 Fifth Avenue
Pittsburgh, PA 15219
(412)471-2527 (voice)
(412)391-4231 (fax)
www.burrellsci.com
burrellsci2@aol.com
114

Business Development Intnl.
A.O. Zoss
President
333 Elmwood Ave. Suite D538
Maplewood, NJ 07040-2449
(973)762-5802 (voice)
(973)762-5802 (fax)
www.chemconsultants.org/
aozoss.html
aozoss@aol.com
80A
C.W. Brabender Instruments
Kevin R. Van Allen
Marketing Manager
50 E. Wesley St.
S. Hackensack, NJ 07606
(201)343-8425 (voice)
(201)343-0608 (fax)
www.cwbrabender.com
cwbi@cwbrabender.com

CambridgeSoft Corporation
Michael Tomasic
CEO
100 CambridgePark Drive
Cambridge, MA 02140-3070
(617)588-9100 (voice)
(617)588-9190 (fax)
www.cambridgesoft.com
info@cambridgesoft.com

Cargille Laboratories
Dorothy Schneider
Customer Service
55 Commerce Road
Cedar Grove, NJ 07009
(973)239-6633 (voice)
(973)239-6096 (fax)
www.cargille.com
cargillelabs@aol.com

Carl Zeiss MicroImaging, Inc.
Marina Yurovitsky
Marketing Manager
1 Zeiss Dr., Thornwood, NY 10594
(800)233-2343 (voice)
(914)681-7446 (fax)
www.zeiss.com/micro
micro@zeiss.com

CDS Analytical Inc
Kelly Williams
Inside Sales
465 Limestone Rd PO Box 277
Oxford, PA 19363-0277
(800)233-2343 (voice)
(610)932-4158 (fax)
www.CDSanalytical.com
kwilliams@CDSAnalytical.com

CERAC, Inc.
Nora Biersack
Marketing Administrator
P.O. Box 1178
Milwaukee, WI 53201-1178
(414)289-9800 (voice)
(414)289-9805 (fax)
www.cerac.com
marketing@cerac.com

Chem Service Inc
PO Box 599
West Chester, PA 19381
(800)452-9994 (voice)
(610)692-8729 (fax)
www.chemservice.com
info@chemservice.com

Chemglass, Inc.
Sherry Munyan
Marketing Manager
3861 N. Mill Road
Vineland., NJ 08360
(800)843-1794 (voice)
(800)922-4361 (fax)
www.chemglass.com
smunyan@chemglass.com

Chemir
Joy Hahn
Business Development Mgr.
2672 Metro Boulevard
Maryland Heights, MO 63043
(800)659-7659 (voice)
(314)291-6630 (fax)
www.chemir.com
info@chemir.com
64, 65, 65A, 68, 69, 72, 74B, 75, 76, 80, 81

Chemo Dynamics, L.P.
John Arnett, Ph.D.
Director of Operations
3 Crossman Road outh
(732)721-4700
(732)721-6835
www.chemodynamics.com
tkromis@chemodynamics.com

Chiral Technologies, Inc.
Thomas Lewis
President
730 Springdale Dr.
Exton, PA 19341
(610)594-2100 (voice)
(610)594-2325 (fax)
www.chiraltech.com
chiral@chiraltech.com

Chiralizer Services, LLC
Steven Parker
Sales Manager
12 Penns Trail, Suite 131
Newtown, PA 18950
(215)497-9493 (voice)
(215)497-9466 (fax)
www.hplctools.com
steven@hplctools.com

Chromak Research, Inc.
Dr. Onkar Tomer
Director
350 Campus Drive
Somerset, NJ 08873
(732)560-1366 (voice)
(732)560-9321 (fax)
tomercromak@att.net
77

Chomak Research, Inc.
Dr. Onkar Tomer
Director
350 Campus Drive
Somerset, NJ 08873
(732)560-1366 (voice)
(732)560-9321 (fax)
tomercromak@att.net
77

Cianflone Scientific Inst.
R.A. Cianflone
President
228 RIDC Park West Drive
Pittsburgh, PA 15275
(412)787-3600 (voice)
(412)787-5022 (fax)
www.cianflone.com
sales@cianflone.com

CombiPhos Catalysts, Inc.
P.O. Box 220
Princeton, NJ 08542-0220
(800)659-9793 (voice)
(908)281-9698 (fax)
www.combiphos.com
info@combiphos.com

Complete Analysis Laboratories
Dr. Zvi Blank
President
1259 Route 46, Bldg. #4
 Parsippany, NJ 07054
(973)335-2254 (voice)
(973)335-0556 (fax)
calllabs@earthlink.net

Controlotron Corp
Stan George
Marketing Manager
155 Plant Ave.
Hauppauge, NY 11788
(631)231-3600 (voice)
(631)231-3334 (fax)
www.controlotron.com
sgeorge@controlotron.com

Dawn Scientific Inc.
Andrew Abdul
President
164 Emmet St.
Newark, NJ 07114-2720
(973)802-1004 (voice)
(973)802-1005 (fax)
dawnscientific@att.net

Del Power Conv Gp.
High Volt Dv
Steve Swech
Vice President, Sales & Mktg
121 New South Rd
Hicksville, NY 11801
(914)686-3600 (voice)
(914)686-2870 (fax)
www.delpower.com
sswech@delpower.com

Desert Analytics
Dr. Richard Johnson
President
P.O.Box 31838
Tucson, AZ 85717
(520)623-3381 (voice)
(520)623-9218 (fax)
www.desertanalytics.com
thelab@desertanalytics.com

Dopak Inc
Joan Bal
9572 Kempwood Dr.
Houston, TX 77043
(713)460-8311 (voice)
(713)460-8578 (fax)
www.dopak.com
info@dopak.com

DuPont Analytical Solutions
Jeanette Woodward
Customer Svc. Staff Scientist
POB#80323 Experimental Station
Wilmington, DE 19880-0323
(302)695-8727 (voice)
(302)695-1513 (fax)
jeanette.v.woodward@usa.dupont.com

Eastern Chemical Corporation
D. Hamspon
Sales
230 Marcus Blvd. POB 18050
Hauppauge, NY 11788
(631)273-0900 (voice)
(631)273-0858 (fax)
eastern@u-g.com

Eastern Scientific Co.
Tom James
General Manager
70 Finnell Drive Unit 5
Weymouth, MA 02188
(781)337-2501 (voice)
(781)337-2375 (fax)
www.easternsci.com
easternsci@aol.com

EDAX Inc
Christine Meehan
Marketing Comm Specialist
91 McKeel Dr., Mahwah, NJ 07430
(201)529-6121 (voice)
(201)529-3156 (fax)
christine.meehan@edax.com

Electron Tubes Incorporated
Paul Davison
100 Forge Way, Unit F
Rockaway, NJ 07866-2023
(973)586-9594 (voice)
(973)586-9771 (fax)
www.electronubes.com
sales@electronubes.com

Elementar Americas
Sandy Hughes
Director of Sales
520 Fellowship Rd, Ste B-204
Mt. Laurel, NJ 08054-3407
(856)787-0022 (voice)
(856)787-0055 (fax)
www.chnos.com
info@elementar-inc.com

EMD Chemicals Inc.
Bill Perry
Mgr. Marketing Communications
480 South Democrat Road
Gibbstown, NJ 08027
(856)423-6300 (voice)
(856)423-6313 (fax)
www.emdchemicals.com
bperry@emdchemicals.com

Erlab, inc.
Karen Souza
Marketing Manager
1 Elm Square--Rte. 114
North Andover, MA 01845
(978)975-2705 (fax)
www.captair.com
captairsales@erlab.com

ES Industries
David Kohler
President
701 South Route 73
West Berlin, NJ 08091-2621
(800)356-6140 (voice)
(856)753-8484 (fax)
esindustries@msn.com

Eurofins Scientific, Inc.
Lori Overstreet
Marketing Manager
6555 Quince Road, Suite 202
Memphis, TN 38119
(901)272-7511 (voice)
(901)272-2926 (fax)
www.eurofinsus.com
keleymarketing@eurofinsus.com

Excel for Scientists & Engineers
Joseph Billo PhD
Prof. Dept. of Chem Boston Col
13 Shattuck Street
Natick, MA 01760
(617)552-3619 (voice)
(617)552-2705 (fax)
joseph.billo@bc.edu

DuPont Analytical Solutions
From rapid, routine testing to complex problem-solving, One of the world’s largest, and most diverse analytical laboratories, with the experience to solve your analytical challenges in :

Electronic Materials • Personal Care • Catalysis • Coatings, Pigments, and Adhesives
Specialty Chemicals • Films and Packaging • Pharmaceuticals • Plastics• Fibers • Textiles

DuPont Analytical Solutions
P.O. Box 80302
Wilmington, DE 19880-0302
Phone: (302) 695-1018
Contact us for all your analytical needs.

DuPont 200 Years
BUYER’S GUIDE - Company Directory

Fairleigh Dickinson Univ (Tea)  
Walter Siegesky PhD  
Chem. Dept Metropolitan Campus  
1000 River Road, H336D  
Teaneck, NJ 07666  
(201)692-7204 (voice)  
(201)692-7209 (fax)  
179B

First Ten Angstroms  
Vernon Eberwine  
Marketing Manager  
465 Dinwiddle Street  
Portsmouth, VA 23704-3633  
(757)393-1584 (voice)  
(757)393-3708 (fax)  
www.firsttenangstroms.com  
sales@firsttenangstroms.com  
17

Fischer Technology, Inc.  
Dennis Scorcia  
Vice President Sales  
5 Aerial Way #500  
Syosset, NY 11791-5593  
(800)223-3388 (voice)  
(516)624-8261 (fax)  
dennis.scorcia@fmipump.com  
129

Frinton Laboratories, Inc.  
Dr. George Inglessis  
Marketing Manager  
P.O. Box 2428  
Vineland, NJ 08362  
(856)722-7037 (voice)  
(856)439-1977 (fax)  
www.frinton.com  
sales@frinton.com  
116

Fluid Metering, Inc.  
Dennis Scorcia  
Vice President Sales  
5 Aerial Way #500  
Syosset, NY 11791-5593  
(800)223-3388 (voice)  
(516)624-8261 (fax)  
dennis.scorcia@fmipump.com  
178

Fritschi Laboratories  
David W. Fritschi  
President  
P.O. Box 115  
Cedar Grove, NJ 07009  
(201)444-9000 (voice)  
(201)444-9000 (fax)  
dwf@fritschi.com  
109

Gallard-Schlesinger Industries  
Henry Medollo  
Marketing Manager  
245 Newton Road, Suite #305  
Plainview, NY 11803-4303  
(800)645-3044 (voice)  
(516)683-6990 (fax)  
hmedollo@gorld.com  
12A, 30, 37

Gammah High Voltage Research Inc  
Don Galluzzo  
V.P. Eng.  
1096 N US Highway 1  
Ormond Beach, FL 32174  
(386)677-7070 (voice)  
(386)677-3039 (fax)  
www.gammahvoltage.com  
sales@gammahv.com  
124

Gateway Chemical Technology  
Bob Kaufman  
Chairman  
11810 Borman Dr.  
St. Louis, MO 63146  
(314)220-2691 (voice)  
(314)991-2834 (fax)  
rjkaufman@aol.com  
28

Gilson Company, Inc.  
Julie Holt  
Customer Service Manager  
P O Box 200  
Lewis Center, OH 43035  
(800)444-1508 (voice)  
(740)548-5314 (fax)  
www.globalgilson.com  
customerservice@gilsonco.com  
104

Gilson, Inc.  
Dennis Claspell  
Vice President  
3000 W. Beltline Highway  
Middleton, WI 53562-0027  
(608)836-1551 (voice)  
(608)831-4451 (fax)  
dclaspell@gilson.com  
42A

Glen Mills Inc.  
395 Allwood Rd.  
Clifton, NJ 07012  
(973)777-0777 (voice)  
(973)777-0070 (fax)  
www.glenmills.com  
staff@glenmills.com  
97

Globe Scientific Inc  
Dara Diamond  
PO Box 1625  
Paramus, NJ 07652-1625  
(201)599-1400 (voice)  
(201)599-1406 (fax)  
www.globescientific.com  
mail@globescientific.com  
119A

Goldstein Associates  
Dr. Al Goldstein  
President  
P.O. Box 88  
Adelphia, NJ 07710  
(732)780-7171 (voice)  
(732)462-3644 (fax)  
www.monmouth.com/~goldstein  
goldstein@monmouth.com  
64, 65, 74, 75, 76, 77, 78A

GOW-MAC Instrument Co.  
Gail Johnson  
Marcom Manager  
277 Broadway Rd.  
Bethlehem, PA 18017  
(610)954-9000 (voice)  
(610)954-0599 (fax)  
www.gow-mac.com  
gjohnson@gow-mac.com  
5, 43, 84A, 85, 86, 87A

H.S. Martin  
James E. Kontes  
General Manager  
P.O.Box 661  
Vineland, NJ 08360  
(856)692-8700 (voice)  
(856)692-3805 (fax)  
www.hsmartin.com  
info@hsmartin.com  
116

Hach Company  
Katy Craig  
5600 Lindbergh Dr  
Loveland, CO 80538  
(800)227-4224 (voice)  
(970)669-2932 (fax)  
www.hach.com  
kcraig@hach.com  
7

Hamilton Company  
Ron Lewis  
Marketing Director  
4990 Energy Way  
Reno, NV 89502  
(800)648-9590 (voice)  
(775)856-7259 (fax)  
rlewis@hamiltoncompany.com  
44

Hellma Cells Inc.  
Daniel Fields  
Director of Marketing  
80 Skyline Drive  
Plainview, NY 11803  
(516)935-0007 (voice)  
(516)939-0555 (fax)  
www.hellmausa.com  
info@Hellmausa.com  
93, 105A, 120A, 122, 133, 
134, 135A, 172A, 176

THE INDICATOR-JUNE 2004
Huffman Laboratories, Inc.
Bill Huffman, President
4630 Indiana St.
Golden, CO 80403-1849
(303)278-4455 (voice)
(303)278-7012 (fax)
www.huffalabs.com
chemistry@huffalabs.com

ICON (Isotope) Services Inc.
John Kilby, Marketing Manager
19 Ox Bow Lane
Summit, NJ 07901
(908)273-2956 (voice)
(908)273-0449 (fax)
www.iconisotopes.com
iconisot@juno.com

Impact Analytical, Div. of M.M.I
Andrew Wood
Business Manager
1910 West St. Andrews Road
Midland, MI 48640-2696
(989)832-5555 (voice)
(989)832-5560 (fax)
www.impactanalytical.com
wood@impactanalytical.com

Impandex, Inc.
395 Allwood Rd.
Clifton, NJ 07012
(973)777-0777 (voice)
(973)777-0070 (fax)
www.glenmills.com
staff@glenmills.com

Inorganic Ventures/I V Labs
Chris Gaines
Marketing Manager
195 Lehigh Avenue, Suite 4
Lakewood, NJ 08701
(732)901-1900 (voice)
(732)901-1903 (fax)
www.ivstandards.com
ivsales@ivstandards.com

Instruments For Resear. & Ind.
Joyce Werkman, President
108 Franklin Ave.
Cheltenham, PA 19012
(215)379-3333 (voice)
(215)663-8847 (fax)
www.i-2-r.com
info@i-2-r.com

Integrated Analytical Labs, LLC
Bianca Buckwalter
Director of Business Dev.
273 Franklin Road
Randolph, NJ 07869
(973)361-4252 (voice)
(973)361-6096 (fax)
buckwalter@online.com
65A

International Crystal Labs
Robert Herpst, President
11 Erie Street
Garfield, NJ 07026
(973)478-8944 (voice)
(973)478-4201 (fax)
www.internationalcrystal.net
icmail@internationalcrystal.net
125,171

ISSI Laboratories, Inc.
Yasu Das, PhD
President
515 Blue Ridge Avenue
Piscataway, NJ 08854-5013
(732)246-3930 (voice)
(732)247-4977 (fax)
issi@pipeline.com
12D

J.S.T.
R.N. Arison, President
88 Century Lane
Watchung, NJ 07069
(908)757-6812 (voice)
(973)394-8150 (fax)
rtsuarison@earthlink.net
70

Jordi FLP
Pam Jordi
Vice President
4 Mill St.
Bellingham, MA 02019
(508)966-1301 (voice)
(508)966-4063 (fax)
www.jordiflp@aol.com

Jarchem Industries, Inc.
Arthur Hein
Vice President
4 Wilson Avenue
Newark, NJ 07105
(973)344-0600 (voice)
(973)344-5743 (fax)
www.jarchem.com
info@jarchem.com

JASCO
Harriet Mills
Marketing Manager
8649 Commerce Drive
Easton, MD 21601
(410)822-1220 (voice)
(410)822-7526 (fax)
www.jascoinc.com
mills@jascoinc.com
165A,167,169,172A,174,176

Jobin Yvon Inc.
Diane Madrid
Advertising Manager
3880 Park Ave.
Edison, NJ 08820
(732)494-8660 (voice)
(732)549-5157 (fax)
www.jobinyvon.com
diane.madrid@jobinyvon.com
166,167,168,174,176

IMPACT ANALYTICAL:
MORE THAN A TESTING LAB - YOUR RESEARCH PARTNER

Our specialty: Using the best instruments and our
collective years of staff experience to solve real-life,
production-halting, career-threatening, boss-panicking

BRING ON THE TOUGH PROBLEMS.
1910 W. St. Andrews Rd.,
Midland, MI 48640
Phone: 989-832-5555
Fax: 989-832-5560
info@impactanalytical.com
www.impactanalytical.com

THE INDICATOR—JUNE 2004 19
**BUYER’S GUIDE - Company Directory**

**Julabo USA, Inc.**
Cindy Young
Marketing Coordinator
754 Roble Road
Allentown, PA 18109
(610)231-0250 (voice)
(610)231-0260 (fax)
www.julabo.com
cindyy@julabo.com
96

**Kimble/Kontes**
David Fenili
Advertising Manager
1022 Spruce Street
P.O.Box 1502
Vineland, NJ 08360
(856)692-8500 (voice)
(856)692-8134 (fax)
www.kimble-kontes.com
cs@kimkon.com
116

**Kinetics Thermal Systems**
John Chickosky
V. P. Sales & Marketing
P.O. Box 158
Stone Ridge, NY 12484
(845)687-0071 (voice)
(845)687-7481 (fax)
jchickosky@kineticsgroup.com
96

**KNF Neuberger**
Richard Rauth
Director of Marketing
2 Black Forest Rd.
Trenton, NJ 08691-1810
(609)890-8600 (voice)
(609)890-8323 (fax)
www.knf.com
info@knf.com
129

**Lab Safety Supply Co.**
Cindy Joyce
Copywriter
P.O. Box 1368
Janesville, WI 53547-1368
(608)754-2345 (voice)
(608)757-4645 (fax)
www.labsafety.com
c.joyce@labsafety.com
156

**Lancaster Laboratories Inc.**
Anne Osborn
Business Development
2425 New Holland Pike
Lancaster, PA 17601
(717)656-2301 (voice)
(717)656-0450 (fax)
www.lancasterlabs.com
avosborn@lancasterlabs.com
65A

**Lehigh Univ Distance Educa Ofc**
Dure Mirza
Administrative Coordinator
205 Johnson Hall, 36 Univ Dr.
Bethlehem, PA 18015
(610)758-3935 (voice)
(610)758-6269 (fax)
www.distance.lehigh.edu
mak5@lehigh.edu
179B

**LFR Levine-Fricke**
Ellie Mack
Marketing Manager
5 Johnson Dr. P.O. Box 130
Raritan, NJ 08869
(908)526-1000 (voice)
(908)526-7886 (fax)
www.lfr.com
ellie.mack@lfr.com
142

**Mass Vac, Inc.**
Herbert R. Gatti
President
247 Rangeway Rd. P.O.Box 359
N. Billerica, MA 01862-0359
(978)667-2393 (voice)
(978)671-0014 (fax)
www.massvac.com
sales@massvac.com
137

**Matech Associates**
Dr. B. Chowdhury
Materials Consultant
407 WLE
Lake Ariel, PA 18436
(570)689-4752 (voice)
(570)689-4752 (fax)
www.matechlabs.com
matech@usnetway.com
80B

**Matrix Scientific**
H.S. Allen
Manager
P.O. Box 25067
Columbia, SC 29224-5067
(803)788-9494 (voice)
(803)788-9419 (fax)
www.matrixscientific.com
sales@matrixscientific.com
35A, 146

**McPherson, Inc.**
Erik Schoeffel
Marketing Manager
7A Stuart Road
Chelmsford, MA 01824
(978)256-4512 (voice)
(978)250-8625 (fax)
www.mcphersoninc.com
mcp@mcphersoninc.com
167

---

**POLYMER PROBLEMS?**

- Complete Polymer Deformulation
- Good vs Bad Comparison
- DSC, TGA, IR, UV-Vis, GC, HPLC, NMR
- GPC/SEC Molecular Weights and MWD
- Additive Package Analysis

4 Mill Street, Bellingham, MA 02019
(508) 966-1301 • jordiflp@aol.com

---

**THE INDICATOR-JUNE 2004**
Metallurgical Chemists Inc.
Syed Hussain
President
25 E Kearney Street
Bridgewater, NJ 08807
(732)564-1116 (voice)
(732)564-1117 (fax)
metallurgical@hotmail.com
22,24,65,65A,80B

Metrohm-Peak, Inc.
Martin Brewer
Marketing Manager
12521 Gulf Freeway
Houston, TX 77034
(281)484-5000 (voice)
(281)484-5001 (fax)
www.metrohm-peak.com
info@metrohm-peak.com
45

MetroChem, Inc.
Jerry Wang PhD, President
93 Hoffman Road
Monroe, NJ 08831
(732)339-9230 (voice)
(732)797-2488 (fax)
jw@netchem.com
27A

Numaré Spectralab Inc.
Lawrence Byrnes
President & Lab Manager
POB #96, 10 Summit Ave, Unit#6
Berkeley Heights, NJ 07922-0096
(908)665-0066 (voice)
(908)464-4192 (fax)
www.eclipse.net/~numare/
numare@eclipse.net
72

NuMega Resonance Labs, Inc.
Frances Shen, Vice President
11526 Sorrento Valley Rd, Ste B2
San Diego, CA 92121
(858)793-6057 (voice)
(858)793-2607 (fax)
NuMegaLab@aol.com
12H

Oneida Research Services, Inc.
Laura Newkirk, Marketing Asst.
1 Halsey Rd.
Whitesboro, NY 13492
(315)736-5480 (voice)
(315)736-9321 (fax)
lnewkirk@prevalere.com
65

PACS Courses and Conferences
Barbara Sherman, President
409 Meade Drive
Coraopolis, PA 15108
(724)457-6576 (voice)
(724)457-1214 (fax)
www.pacslabs.com
barbpacs@aol.com
179B

Particle Sizing Systems
Donna M. Budny
Documentation & Standards Mgr.
8203 Kristel Circle
Port Richey, FL 34668
(727)846-0866 (voice)
(727)846-0865 (fax)
www.pssnicomp.com
sales@pssnicomp.com
114

Pechiney Plastic Packaging
Michael LeMoulton
Manager, Parafilm
101 Merritt 7
Norwalk, CT 06856
(800)558-6420 (voice)
(203)845-6362 (fax)
www.parafilm.com
michael_lemoulton@pechiney.com
180

Pelican Analytics
Dr. John Fiorino
Technical Director
11 Deerpark Drive
STE #203
Monmouth Junction, NJ 08852
(732)274-2600 (voice)
(732)274-0800 (fax)
www.pelicananalytics.com
jfiorino@pelicananalytics.com
22,23,24

Penn State University
Betsy R. King
Program Coordinator
201 South Frear
University Park, PA 16802-6001
(814)863-1918 (voice)
(814)863-7024 (fax)
http://www.psu.edu/dept/biotech
brk12@psu.edu
179

Petrolab Company
Angel Schell, Marketing Director
874 Albany-Shaker Road
Latham, NY 12110
(518)783-5133 (voice)
(518)783-5185 (fax)
www.petrolab.com
info@petrolab.com
12

Pfaltz & Bauer, Inc.
Mark Halperin, Marketing Manager
172 E. Aurora St.
Waterbury, CT 06708
(203)574-0075 (voice)
(203)574-3181 (fax)
www.pfaltzandbauer.com
sales@pfaltzandbauer.com
37

Photon Technology Intl.
Charles Marianik, President
1009 Lenox Drive, Suite 104
Lawrenceville, NJ 08640
(609)896-0310 (voice)
(609)896-0365 (fax)
www.pti-nj.com
marketing@pti-nj.com
167

Poly(Chem-Tech)
Daniel Kruh, Ph.D., President
8 Braddock
East Brunswick, NJ 08816
(732)238-3182 (voice)
(732)238-3182 (fax)
dankruh@aol.com
65,75,76,80B

Polymer Processing Institute
Theodore Davidson
Manager of Special Projects
NJIT,GITC,RM3901,218 Central A
Newark, NJ 07102
(973)642-4582 (voice)
(973)642-4594 (fax)
www.polymers-ppi.org
tdavidson@polymers-ppi.org
75

Polymer Processing Institute
Theodore Davidson
Manager of Special Projects
NJIT,GITC,RM3901,218 Central A
Newark, NJ 07102
(973)642-4582 (voice)
(973)642-4594 (fax)
www.polymers-ppi.org
tdavidson@polymers-ppi.org
75
Polymer Standards Ser., USA, Inc
Clara Trimmer
Advertising Manager
10111 Colesville Rd., Ste. 123
Silver Spring, MD 20901
(301) 570-6177 (fax)
www.polymer.de
ctrimmer@polymer.de
80B

Pressure Products Industries
Michael Walsh, Sales Manager
900 Louis Drive
Warminster, PA 18974
(215) 675-1600 (voice)
(215) 443-8341 (fax)
www.pressureproductsindustries.com
info@pressureproductsindustries.com
127

Prevalere Life Sciences, Inc.
Laura Newkirk
Marketing Asst., Sales Coord.
8282 Halsey Rd.
Whitesboro, NY 13492
(315) 736-3050 (voice)
(315) 736-9321 (fax)
www.prevalere.com
lnewkirik@prevalere.com
65

Primera Analytical Solns. Corp
Bibo Xu, PhD, Lab Director
1 Deer Park Drive, Ste. N
Monmouth Junction, NJ 08852
(732) 355-9111 (voice)
(732) 355-9112 (fax)
www.primera-corp.com
xub@primera-corp.com
12C, 19

Princeton-Chromatography, Inc.
Walton Caldwell
Technical Director
1206 Cranbury-South River Rd.
Crabruny, NJ 08512
(609) 860-1800 (voice)
(609) 860-1805 (fax)
www.pci-hplc.com
wcaldwell@pci-hplc.com
44

Product Safety Labs
Walter Newman
Marketing & Sales Director
2394 Rt. 130, Dayton, NJ 08810
(800) 425-0002 (voice)
(732) 355-3275 (fax)
www.productsafetylabs.com
walternewman@productsafetylabs.com
23

Q-Glass Co. Inc.
Dan Dotterweich, Vice President
624 Rt. 202, Towaoc, NJ 07082
(973) 335-5191 (voice)
(973) 335-2057 (fax)
www.qglass.com
dan@qglass.com
116

Quantitative Technologies Inc.
Gary Kusha
Business Development Spec.
P.O. Box 470, Bldg 5 Salem Pk
Whitehouse, NJ 08888
(908) 534-4445 (voice)
(908) 534-2100 (fax)
www.qtonline.com
info@qtonline.com
23

Reed Business Info/Science Gr.
Don Ransdell
VP/Publishing Director
301 Gilbart Dr., P.O. Box 650
Morris Plains, NJ 07950-0650
(973) 292-5100 (voice)
(973) 539-3476 (fax)
www.reedbusiness.com
dransdell@reedbusiness.com
179

Repex & Co. Inc.
Erich Sokolower
Managing Director
P.O. Box 577, 550 Durie Avenue
Closter, NJ 07624
(201) 767-1050 (voice)
(201) 767-6932 (fax)
www.repex@compuserve.com
repex@compuserve.com
57B

Ricca Chemical Company
Gcio: Gary
North East Territory Manager
6 Industrial Road
Pequannock, NJ 07440
(973) 694-0500 (voice)
(973) 694-7199 (fax)
www.riccachemical.com
gcio@riccachemical.com
39

Rudolph Instruments
Dr. Kumar Utukuri
President
40 Pier Lane
Fairfield, NJ 07004-2113
(973) 227-4576 (voice)
www.rudolphinst.com
rudinst@aol.com
8

Rudolph DigiPol-781, the new Automatic Polarimeter
Small in size, Big on performance

Contact for demo:
Rudolph Instruments, Inc.
Fairfield, NJ 07004-2113

Call TOLL FREE: 1-888-4RUDOLPh
Tel: 973 227 0139      Fax: 973 227 4576
e-mail: rudinst@aol.com
web: www.rudolphinst.com

Little Giant!
## BUYER’S GUIDE - Company Directory

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address/Director</th>
<th>Phone/Fax/email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sarchem Laboratories, Inc.</td>
<td>Sam Kumar, President</td>
<td>(732)708-1777 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(732)708-1265 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.sarchemlabs.com">www.sarchemlabs.com</a> <a href="mailto:sarchem@aol.com">sarchem@aol.com</a></td>
</tr>
<tr>
<td>Schwarzkopf Microanalytical</td>
<td>Florence Wohl, Exec. V. P.</td>
<td>(718)429-6248 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(718)429-5785 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="mailto:schwarzkopfmicro@aol.com">schwarzkopfmicro@aol.com</a></td>
</tr>
<tr>
<td>Scientific Bindery</td>
<td>Nancy McDonald</td>
<td>(312)563-9322 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(312)563-9325 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.scientificbindery88yrs.com">www.scientificbindery88yrs.com</a> <a href="mailto:skybind@att.net">skybind@att.net</a></td>
</tr>
<tr>
<td>Severntrent Laboratories</td>
<td>Chris Ouellette</td>
<td>(732)549-3900 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(732)549-3679 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.stl-inc.com">www.stl-inc.com</a> <a href="mailto:couellette@stl-inc.com">couellette@stl-inc.com</a></td>
</tr>
<tr>
<td>Solv-Tek Inc.</td>
<td>Gene Stanton, President</td>
<td>(540)955-4677 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(540)955-2018 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.solvtek.com">www.solvtek.com</a> <a href="mailto:sales@solvtek.com">sales@solvtek.com</a></td>
</tr>
<tr>
<td>Sonics &amp; Materials</td>
<td>Lois Baid</td>
<td>(203)270-4600 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(203)270-4610 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.sonics.biz">www.sonics.biz</a> <a href="mailto:lbaiad@sonics.biz">lbaiad@sonics.biz</a></td>
</tr>
<tr>
<td>SP Industries/Hotpack Div.</td>
<td>Ken Clary</td>
<td>(215)672-7800 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(215)672-7807 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="mailto:ciaryk@hotpack.com">ciaryk@hotpack.com</a></td>
</tr>
<tr>
<td>Spectral Data Services</td>
<td>Gary Turner, President</td>
<td>(217)352-7084 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(217)352-9748 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>wwww.sdsnmr.com <a href="mailto:sdsnmr@sdsnmr.com">sdsnmr@sdsnmr.com</a></td>
</tr>
<tr>
<td>Spectrum Chemicals &amp; Lab Prods</td>
<td>Larry Hilton, PhD</td>
<td>(800)772-8786 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(800)525-2299 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.spectrumchemical.com">www.spectrumchemical.com</a> <a href="mailto:ihilton@spectrumchemical.com">ihilton@spectrumchemical.com</a></td>
</tr>
<tr>
<td>Stieffel Research Inst.</td>
<td>Lance Haskin</td>
<td>(518)239-8402 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.stieffelresearch.com">www.stieffelresearch.com</a> <a href="mailto:lhaskin@stiefel.com">lhaskin@stiefel.com</a></td>
</tr>
<tr>
<td>Strom Chemicals, Inc.</td>
<td>Ephraim Honig</td>
<td>(800)633-7647 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(518)239-8402 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.strom.com">www.strom.com</a> <a href="mailto:info@strom.com">info@strom.com</a></td>
</tr>
<tr>
<td>Structure Probe, Inc.</td>
<td>Charles A. Garber Ph.D.</td>
<td>(610)436-5400 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(610)436-5755 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.2sp.com">www.2sp.com</a> <a href="mailto:cgarber@2sp.com">cgarber@2sp.com</a></td>
</tr>
<tr>
<td>TAL Technologies Inc.</td>
<td>Patricia Wells</td>
<td>(800)722-6004 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(215)496-0322 (fax)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="http://www.taltech.com">www.taltech.com</a> <a href="mailto:pat.wells@taltech.com">pat.wells@taltech.com</a></td>
</tr>
<tr>
<td>Taylor Technologies Inc.</td>
<td>Patricia Fitzgerald</td>
<td>(800)642-6538 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(608)273-5046 (fax)</td>
</tr>
<tr>
<td>Technec Inc.</td>
<td>Maire Masterson</td>
<td>(800)589-2560 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(609)589-2571 (fax)</td>
</tr>
<tr>
<td>Thar Technologies, Inc.</td>
<td>Todd Palcic</td>
<td>(800)849-5973 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(203)849-5978 (fax)</td>
</tr>
<tr>
<td>The Guthertz Group</td>
<td>Guthertz:Barry</td>
<td>(800)642-6538 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(608)273-5046 (fax)</td>
</tr>
<tr>
<td>Thermo Electron, Thermo</td>
<td>Kathryn Callaghan</td>
<td>(503)2101 Brandywine St. Ste #102</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pittsburgh, PA 15238</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(412)967-5665 (voice)</td>
</tr>
<tr>
<td>Thermoelectron, Thermo</td>
<td>Kathryn Callaghan</td>
<td>(203)849-5973 (voice)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="mailto:guthertz@earthlink.net">guthertz@earthlink.net</a></td>
</tr>
<tr>
<td>Ecolet</td>
<td></td>
<td>(800)642-6538 (voice)</td>
</tr>
<tr>
<td>Ecolet</td>
<td></td>
<td>(608)273-5046 (fax)</td>
</tr>
<tr>
<td>Ecolet</td>
<td></td>
<td><a href="http://www.thermo.com/elemental">www.thermo.com/elemental</a></td>
</tr>
<tr>
<td>Ecolet</td>
<td></td>
<td><a href="mailto:spectroscopy@thermo.com">spectroscopy@thermo.com</a></td>
</tr>
<tr>
<td>Ecolet</td>
<td></td>
<td>164, 176</td>
</tr>
<tr>
<td>Ecolet</td>
<td></td>
<td><a href="http://www.thermo.com/elemental">www.thermo.com/elemental</a></td>
</tr>
<tr>
<td>Ecolet</td>
<td></td>
<td><a href="mailto:spectroscopy@thermo.com">spectroscopy@thermo.com</a></td>
</tr>
<tr>
<td>Ecolet</td>
<td></td>
<td>169</td>
</tr>
</tbody>
</table>
Thermo Elect., Thermo Spectronic
Kathryn Callaghan
Sr. Marketing Comm. Specialist
5225 Verona Rd.
Madison, WI 53711
(800)642-6538 (voice)
(608)273-5046 (fax)
www.thermo.com/spectronic
spectroscopy@thermo.com

3-Densitometers
Cargille Laboratories

5-Moisture analyzers
EMD Chemicals Inc.

7-pH Meters & indicators
Analytical Measurements
Hach Company

8-Polarimeters
Rudolph Instruments

9-Refractometers
Cargille Laboratories

Utility Development Corp.
Harry S. Katz, President
112 Naylor Ave.
Livingston, NJ 07039
(973)894-4334 (voice)
(973)894-3341 (fax)
www.udccorp.com
harryskatz@aol.com

Vacuum Research Corporation
John F. Hartnett, President
2419 Smallman St.
Pittsburgh, PA 15222
(800)426-9340 (voice)
(412)261-7220 (fax)
www.vacuumresearchcorp.com
vrc@vacuumresearchcorp.com

Wilmad/Lab Glass
Mark Gray
Advertising & Promo Manager
P.O. Box 888, 1002 Harding Hwy
Buena, NJ 08310-0888
(800)220-5171 (voice)
(856)697-0536 (fax)
www.wilmad.com
magrestec@wilmad.com

Wolverine Proctor & Schwartz
C.L. Schnitzer
Marketing Manager
251 Gibraltar Rd.
Horsesham, PA 19044
(215)443-5200 (voice)
(215)443-5206 (fax)
www.wolverineproctor.com
bthomson@proctor.com

Wysmson Co. Inc.
Joseph Bevansena
Marketing Manager
1470 Bergen Blvd.
Fort Lee, NJ 07024
(201)947-4600 (voice)
(201)947-0324 (fax)
www.wysmson.com
sales@wysmson.com

XenoBiotic Laboratories, Inc.
Neil J. Lewis PhD
Vice President
John 107 Morgan Lane
Plainsboro, NJ 08536
(609)799-2295 (voice)
(609)799-7497 (fax)
www.xbl.com

Yasui Seiki Co. (USA)
Harold Seelig
Division Manager
233 Industrial Dr. Ste 24A3
Bloomington, IN 47404
(812)331-2800 (fax)
www.yasui.com

THE INDICATOR-JUNE 2004
12D-Mass Spectrometry  
Alpha Mos America  
ISSI Laboratories, Inc.

12F-TLC  
EMD Chemicals Inc.  
Galbraith Laboratories

12G-UV-Visible Spectroscopy  
Galbraith Laboratories

12H-NMR Spectroscopy  
NuMega Resonance Labs, Inc.

BIOTECHNOLOGY  
13-Biochemicals  
EMD Chemicals Inc.

14-Biomedical equipment  
Techne Inc.

16-Cell disruption  
Branson Ultrasonics Corp  
Impandex, Inc.  
SPEX CertiPrep

17-Microbiology  
EMD Chemicals Inc.  
Metuchen Analytical, Inc.

CHEMICAL ANALYSIS  
18-Bio-analyses by HPLC  
Galbraith Laboratories  
XenoBiotic Laboratories, Inc.

19-Bioanalytical service  
LC/MS  
Atlantic Analytical Laboratory  
Metuchen Analytical, Inc.  
Primeria Analytical Soins. Corp  
XenoBiotic Laboratories, Inc.

20-Certificates of analysis  
Robertson Microlit Labs.  
Schwarzkopf Microanalytical TL

22-Precious metal assay  
Metallurgical Chemists Inc.  
Pelican Analytics

23-Testing laboratory  
Desert Analytics  
Eurofins Scientific, Inc.  
Galbraith Laboratories  
Impact Analytical,Div.of M.M.I  
Pelican Analytics  
Product Safety Labs  
Quantitative Technologies Inc.  
Schwarzkopf Microanalytical  
Stiefel Research Inst.

24-Trace element analysis  
Galbraith Laboratories  
Huffman Laboratories, Inc.  
Metallurgical Chemists Inc.  
Pelican Analytics  
Schwarzkopf Microanalytical

CHEMICALS  
25A-Amino acids  
Tyger Scientific Inc.

26-Catalyst  
Strem Chemicals, Inc.

27A-Chiral & custom chemicals  
NetChem, Inc.

28-Custom synthesis  
Chemo Dynamics, L.P.  
Gateway Chemical

29-Detergents  
EMD Chemicals Inc.

30-Dyes and stains  
EMD Chemicals Inc.  
Gallard-Schlesinger Industries

31-Emulsifiers  
Jarchem Industries, Inc.

33-Inorganic chemicals  
CERAC,Inc.  
EMD Chemicals Inc.  
NanoScale Materials, Inc.

35-Isotopes  
ICON (Isotope) Services Inc.

35A-Pharmaceutical intermediates  
Matrix Scientific  
Tyger Scientific Inc.

37-Reagents  
BASF Corp.  
Callyer Chemical  
Chem Service Inc  
Dawn Scientific Inc.  
Eastern Chemical Corporation  
EMD Chemicals Inc.  
G.J. Chemical Co., Inc.  
Gallard-Schlesinger Industries  
Pfaltz & Bauer, Inc.  
Spectrum Chemicals & Lab Prods  
Taylor Technologies Inc.

39-Solutions, standard  
Absolute Standards Inc.  
EMD Chemicals Inc.  
Inorganic Ventures/I V Labs  
RICCA Chemical Company

41-Accessories & supplies  
Aura Industries Inc.  
Chiralizer Services, LLC  
Jordi FLP

42A-Chromatography  
Biotage, Inc./A. Dyax Corp  
Co.  
Chiral Technologies, Inc.  
Gilson,Inc.

43-Gas  
CDS Analytical Inc  
GOW-MAC Instrument Co.

44-HPLC columns  
AKZO NOBEL/EKA  
Chemicals  
ES Industries  
Hamilton Company  
Jordi FLP  
Princeton-Chromatography, Inc.

45-Ion  
Jordi FLP  
Metrohm-Peak, Inc.

47-Thin layer  
EMD Chemicals Inc.

CLOTHING, LABORATORY

COATINGS

49-Coating facilities  
Yasui Seiki Co. (USA)

COMPUTER APPLICATIONS

56-Software  
CambridgeSoft Corporation  
TAL Technologies Inc.

CONSULTING. MANAGEMENT

57B-Investment Management  
Repex & Co. Inc.

58-Market research  
The Guthertz Group

60-Research  
Activated Carbon Services Inc.

CONSULTING SERVICES

63-Biomedical  
XenoBiotic Laboratories,Inc.

64-Chemical Process  
Chemir  
Goldstein Associates  
Metallurgical Chemists Inc.

65-Contract research  
Chemir  
Chemo Dynamics, L.P.  
Goldstein Associates  
Jordi FLP  
Oneida Research Services, Inc.

65A-Contract testing laboratory  
Anter Corporation  
Chemir  
DuPont Analytical Solutions  
Galbraith Laboratories  
Integrated Analytical Labs,LLC  
Lancaster Laboratories Inc.  
Metallurgical Chemists Inc.

68-Forensic analyses  
Cargille Laboratories  
Chemir  
Metuchen Analytical, Inc.

69-Infrared analyses  
Chemir  
Huffman Laboratories, Inc.  
Metuchen Analytical, Inc.  
Micron Inc.

70-Language translation  
J.S.T.

72-NMR analysis  
Chemir  
Numare Spectralab Inc.  
Spectral Data Services

74-Organic chemistry  
Goldstein Associates  
Jordi FLP  
Poly(Chem-Tech)  
Polymer Processing Institute

76-Product formulation  
Chemir  
Goldstein Associates  
Poly(Chem-Tech)

77-R & D  
Chromak Research, Inc.
Goldstein Associates
Schwarzkopf Microanalytical
Thar Technologies, Inc.
TilPrinceton
Utility Development Corp.
XenoBiotic Laboratories, Inc.

78-Radiation processes
Armbuster Associates Inc.

78A-Rubber Processing-Nat & Syn
Goldstein Associates

80-Spectroscopy
Atlantic Analytical Laboratory
Chemir
Schwarzkopf Microanalytical

80A-Technology transfer
Business Development Intl.

80B-Testing Laboratory
Matech Associates
Metallurgical Chemists Inc.
Poly(Chem-Tech)
Polymer Standards Ser.-USA Inc
Schwarzkopf Microanalytical

81-UV analysis
Chemir
Schwarzkopf Microanalytical

DETECTORS
84A-Discharge ionization
BURLE INDUSTRIES, INC.
GOW-MAC Instrument Co.

85-Flame ionization
GOW-MAC Instrument Co.

88-Electron Microprobe
Micron Inc.

89-Electron Microscopy
EDAX Inc
Metuchen Analytical, Inc.
Micron Inc.
Structure Probe, Inc.

ENVIRONMENTAL ANALYSIS
90-Environmental analysis
Complete Analysis Laboratories
Galbraith Laboratories
Schwarzkopf Microanalytical
Severn Trent Laboratories

ESCA SERVICES
91-ESCA services
Micron Inc.

FURNITURE, LAB

GENERAL EQUIPMENT
93-AA lamps
Helma Cells Inc.

95-Autoclaves
SP Industries/Hotpack Div.

96-Baths
Julabo USA, Inc.
Kinetics Thermal Systems

97-Blenders, mixers, stirrers
ErtelAlsop
Glen Mills Inc.
SPEX CertiPrep
Waring Products Division

100-Centrifuges
Eastern Scientific Co.

104-Crushers & grinders
Gilson Company, Inc.
SPEX CertiPrep

105A-Deuterium Lamps
Helma Cells Inc.

107-Dryers
Wolverine Proctor & Schwartz
Wyssmont Co., Inc.

107A-Ductless fume hoods
ErLab, inc.

109-Evaporators
Eastern Scientific Co.

110-Filters
Ahstrom Mt Holly Springs LLC
Avery Filter Co.

111-Flow meters
Controlotron Corp

112-Freeze dryers
BioPro International Inc.
Eastern Scientific Co.
Virtis, an SP Industries Co.

114-General laboratory equipment
Burrell Scientific
Particle Sizing Systems
SPEX CertiPrep
Thomas Scientific

116-Glassware
Andrews Glass Co Inc.
Chemglass, Inc.
H.S. Martin
Kimble/Kontes
Q-Glass Co Inc.

118-Homogenizers
SPEX CertiPrep

119-Lab stirrers
VarioMag USA

119A-Laborware
Bel-Art Products
Cargille Laboratories

120A-Light sources
Bultronics, Inc.
Helma Cells Inc.

122-PID lamps
Helma Cells Inc.

124-Power supplies
Del Power Conv Gp, High Volt Dv
Electron Tubes Incorporated
Gamma High Voltage Research Inc

125-Pressures
International Crystal Labs
SPEX CertiPrep

127-Pressure vessels
Autoclave Engineers Division
Pressure Products Industries

128-Process controls
Autoclave Engineers Division

129-Pumps
Eastern Scientific Co.
Fluid Metering, Inc.
KNF Neuberger

132-Solvent purification systems
Solv-Tek Inc.

133-Spectrophotometer cells
Helma Cells Inc.

134-Tungsten halogen lamps
Helma Cells Inc.

135-Ultra-pure water system
Airborne Labs Intl. Inc.
Aqua Solutions, Inc.

136A-UV-visible lamps
Analytical Instrument Systems
Helma Cells Inc.

137-Vacuum equipment
Eastern Scientific Co.
MASS VAC, Inc.

138-Valves
Dopak Inc

INDUSTRIAL HYGIENE SERVICES
142-Industrial hygiene services
LFR Levine-Fricke

LASER SYSTEMS

MICROSCOPES & SERVICES
144-Microscope accessories
Cargille Laboratories

144B-Microscopes
Carl Zeiss MicroImaging, Inc.

ORGANIC MICROANALYSIS
145-Organic microanalysis
Elementar Americas
Galbraith Laboratories
Huffman Laboratories, Inc.
Schwarzkopf Microanalytical

ORGANIC SYNTHESIS
146-Organic synthesis
Frinton Laboratories, Inc.
Matrix Scientific
Sarchem Laboratories, Inc.
Tyger Scientific Inc.

ORGANOMETALLICS
147-Organometallics
Schwarzkopf Microanalytical

POLLUTION CONTROL

QUALITY CONTROL
151-Quality control
Cargille Laboratories
Schwarzkopf Microanalytical

RADIATION EQUIPMENT

RADIATION PROCESSES

SAFETY
155-Materials
National Institute Stds & Tech

156-Equipment
Instruments For Resear. & Ind.
Lab Safety Supply Co.

THE INDICATOR-JUNE 2004
DOCUMENTATION
163-Stock lab books
Scientific Bindery

SPECTROMETERS
164-Atomic absorption instruments
Thermo Elect., Thermo Elemental
165A-Circular dichroism spectrometers
JASCO
166-Emission
Jobin Yvon Inc.
167-Fluorescence
JASCO
Jobin Yvon Inc.
Thermal Science Intl.
Photon Technology Intl.
168-Gratings
Jobin Yvon Inc.
169-IR
JASCO
Thermo Electron, Thermo Nicolet
171-IR & UV cells
International Crystal Labs

172-Mass
Atlantic Analytical Laboratory
U.S. Services, Inc.
172A-NIR spectrophotometers
Hellma Cells Inc.
JASCO
173-NMR
Wilmad/Lab Glass
174-Raman
Jobin Yvon Inc.
174A-Raman cells
AABSPEC Instrumentation Corp
174B-Raman microscopy cells
AABSPEC Instrumentation Corp
176-UV visible
Jobin Yvon Inc.
178-X-ray fluorescence
Cianflone Scientific Inst.
EDAX Inc
Fischer Technology, Inc.
Rigaku/MSC, Inc.

EDUCATION & PUBLICATIONS
179-Books, journals, monographs
American Lab. (Int'l Sci Com)
Bioscience Technology
Penn State University
Reed Business Info/Science Gr.
179B-Training & education
Association of Formulation Ch.
Excel for Scientists & Engineers
Fairleigh Dickinson Univ (Mad)
Fairleigh Dickinson Univ (Tea)
Lehigh Univ Distance Educa
Olc
PACS Courses and Conferences

SUPPLIES
180-Sealing film
Pechiney Plastic Packaging

SERVICES, GENERAL

PROTECT
Your Expensive Lab Work
With Research & Development Record Books

STOCK RECORD BOOKS
B50D -- Fifty pages and fifty duplicates. 1/4 inch sqs. on right pages.
B100P- 100 pages, 1/4 inch sqs. on right pages, 100 pages, 10 sqs. per inch on left page
B200P -- 208 pages with 1/4 inch sqs. on right and left pages.
B200PH-208 horizontally lined right and left pages.

Books have instruction and TOCs. Page size 11" x 8 1/2".
Hard extension brown cloth covers. Pages open flat.

$14.50 each, F.O.B. Chicago
CUSTOM MADE BOOKS TO ORDER
SCIENTIFIC BINDERY PRODUCTIONS, INC
1060 West Adams, Chicago IL 60607
Phone: 312-563-9322
Fax: 312-563-9325
www.scientificbindery88yrs.com

THE INDICATOR-JUNE 2004
Atlantic Analytical Laboratory Inc.
P.O. Box 220, Whitehouse, NJ 08888 (908-534-5600)

Experience  Resources  Service
Analysis by: CGA/ANSI • USP/NF • NFP • ASTM • NIOSH • OSHA • EPA • NJDEP • Mil Spec Methods
GC • LC • GC/MS • MS • FTIR • ICP • DSC/TGA

Yasui Seiki Co., (USA)
Coating Test Laboratory
✦ Battery Coating, Patch Coat
✦ Display Coatings 0.1 to 1 μ
✦ Photo / Photo-Resist 0.1 to 9μ
✦ 1 micron UV Hardcoats
✦ “Mini-Labo™” Coater Rentals
✦ Tabletop “Mini-Labo™” Sales (custom designs are available)
Super smooth, patented “Micro Granule™”
Tel 812.331.0700 ✦ Fax 812.331.2800
www.yasui.com ✦ yasui@ix.netcom.com

Polymer Problems?
Complete Polymer Deformulation
Good vs. Bad Comparison
Expert Witness

RUSH SERVICE!
(508) 966-1301
jordiflp@aol.com

CHIRAL SEPARATIONS
LC and GC Columns
Methods Development
Processing
Advanced Separation Technologies Inc.
37 Leslie Ct., PO Box 297, Whippany, NJ 07981
973.428.9080 Fax 973.428.0152
**Pelican Analytics**

Answers you can count on... data you can trust.

- Custom & routine metals analysis
- Method development & validation
- Precious metal & catalyst assays

Tel: 732-274-2600  info@PelicanAnalytics.com

---

**Schwarzkopf Microanalytical Laboratory**

Elemental & Trace Analysis
Organics, Inorganics
Organometallics
Metals by AA & Graphic Furnace
Functional Grps. - Mol. Wt.
Calorimetry
Total S. F. Halogens TOX
Coneg Testing  Custom Analysis

56-19 37th Ave.  Woodside, N.Y. 11377
(718) 429-6248
Schwarzkopfmicro@aol.com

---

**Product Formulation • Process Development**

- Natural & Synthetic Rubber Processing
- Hydrophilic Resins & Coatings
- Custom Formulation & Manufacturing

GOLDSTEIN ASSOCIATES  CONSULTING CHEMISTS
P.O. Box 88  Adelphia  NJ 07710
(732) 780-7171  FAX (732) 462-3644
email: goldstein@monmouth.com
http://www.monmouth.com/~goldstein

---

**Elemental Analysis**

CHNOS ash
ICP • AA • ICP/MS
TOC • TOX • BTU
Problem Solving

HUFFMAN LABORATORIES, INC.
Quality Analytical Services Since 1936
Phone: (303) 278-4455
FAX: (303) 278-7012
chemistry@huffmanlabs.com
www.huffmanlabs.com

---

**Custom Synthesis of Chemicals**

On-time Delivery, Quality, & Competitive Price

Tyger Scientific Inc.
324 Stokes Ave., Ewing, NJ 08638
Phone (609) 434-0144, Fax (609) 434-0143
www.tygersci.com, Email sales@tygersci.com
We help chemists develop billion dollar products

---

**NMR Service 500 MHz**

*Mass
*Elemental Analysis

NuMega Resonance Labs
Tel: (858) 793-6057

---

**INVESTMENT MANAGEMENT**

For Individuals & Retirement Plans
Call 201-767-1050 • 888-795-6684
Erich Sokolower
Registered Investment Advisor Since 1980
(Member ACS; GA Tech, CHE; Columbia, MS)

RepeX INVESTMENT MANAGEMENT CO., INC.
550 Durie Avenue, Closter, New Jersey 07624
email: repex@compuserve.com

---

**Polymer Processing Institute**

- The Right Choice for Plastics R & D
- 20 years of process and product improvements
- Formulation, rheology, characterization

Call (973) 642-4582 or
Visit our site: www.polymers-ppi.org

---

**Patent Attorney**

Jacqueline M. Arendt
Arendt & Assoc. Intellectual Property Group
Full range of technologies, Patents, Licensing,
Counsel on Controlling Patent Costs
1740 Massachusetts Avenue
Boxborough, MA 01719-2209 USA
978-897-8400  Fax (978) 371-2281
email-jacquelinearendt@aol.com

---

**Primera**

Fast and Accurate Chemical Analysis
LC/MS/MS, chiral separations, GC, HPLC, CE
dissolution, post column derivitizations,
semi-prep purification, customer synthesis
1 Deer Park Dr. Monmouth Jct., NJ 08852
732-355-9111, info@primera-corp.com
**Professional/Product Directory**

**Case Consulting Laboratories, Inc.**  
Chemistry - Materials  
- GLP Compliant Analysis  
- R & D  
- Testing & Evaluation  
- Claims Validation  
622 Route Ten  
Whippany, NJ 07981  
973-428-9666  
www.case-labs.com  
info@case-labs.com

**ISSI Laboratories, Inc.**  
Voice: (732) 246-3930; Fax: (732) 247-4977  
Email: <issi@pipeline.com>  
Chromatography (HPLC, TLC, GC);  
GC-MS and LC-MS; Isolation, Purification  
And Identification of Unknown Substances;  
Stability-Indicating Tests. GLP-Compliant.

**Advanced Synthesis, S.A.**  
Custom Synthesis  
Scale up to pilot plant-bulk production 1 gram to 1000 kgs  
Expertise in hydrogenation, hydride reductions, cyanation, grignards,  
butyl lithium-low temp, distillation, column chromatography  
P--619-423-7821  
F--619-423-7793  
E--sales@advancedsynthesis.com  
W--www.advancedsynthesis.com

**MATERIAL CHARACTERIZATION LABORATORY**  
A Unique Combination of State-of-the-Art  
Analytical Instrumentation & Expertise  
GC/MS • HPLC • LC/MS • FTIR • TOC • AA  
ICP-MS • XRD • XRF • AFM • SEM • TEM  
York Center for Environmental Engineering & Science  
www.ycees.njit.edu/labs  
138 Warren Street  
Newark, NJ 07102  
Tel: (973) 596-5858  
Fax: (973) 642-7170

**Front Run OrganX, inc.**  
Custom Organic Synthesis  
Process R&D  
High purity:  
Scaffold Lead-optimization  
Pre-clinical  
Preclinical to Complex  
Delivering Creative Solutions & Excellence  
to Biotech & Pharma  
since 1995  
e-mail  
11 Harvard St.  
Sparks, Me. 06659  
Ph: 978-534-1333  
Fax: 7445  
Front_run@hotmail.com

**ISSI Laboratories, Inc.**  
Voice: (732) 246-3930; Fax: (732) 247-4977  
Email: <issi@pipeline.com>

**NMR Analysis**  
270 - 360 - 400 MHz • 1D/2D  
Liquids/Solids • GLP/GMP Compliance  
SPECTRAL DATA SERVICES, INC.  
818 Pioneer • Champaign, IL 61820  
(217) 352-7084 • FAX (217) 352-9748  
http://www.sdsnmr.com  
sdnmr@sdsnmr.com

**Galbraith Laboratories, Inc.**  
Contact Analytical Services Laboratory for over 50 Years  
Elemental Analyses  
Organics Analyses  
Trace Analyses  
Physical Testing  
Method Development  
Method Validation  
USP, JP, BP, EP Testing  
GLP/GMP  
Toll Free 877-449-8797  
www.galbraith.com

**VACUUM PUMP PROBLEMS?**  
Eastern Scientific specializes in the  
repair and precision rebuilding of all  
makes of mechanical vacuum pumps.  
Eastern Scientific  
easternsci@aol.com  
781-337-2501

**Material Characterization Laboratory**

**TeLL OUR ADVERTISERS**

Advertisers want to know if their ads are working. When you call or  
write them, tell them you saw their ad in *The Indicator*. This will allow  
us to increase the amount of articles that you have asked for.
Ad Index

ANALYTICAL
Advanced Synthesis .......................... 30
Astec ........................................... 28
Atlantic Analytical Laboratory, Inc. ........ 28
Case Consulting Labs., Inc. .................. 30
Chemir Analytical Services .................. 28
Chemo Dynamics, L.P. ........................ 8
Desert Analytics Laboratory ................. 27
DuPont Analytical Solutions .................. 17
Front Run Organx, Inc. ....................... 30
Galbraith Laboratories ....................... 30
Gateway Chemical Technology .............. 10
Goldstein Associates ........................ 29
Huffman Laboratories, Inc. .................. 29
Impact Analytical, Div. of m.M.I. .......... 19
ISSI Laboratories, Inc. ...................... 30
J.S.T. ........................................... 28
Jordi FLP ...................................... 20
Jordi FLP ...................................... 28
Metuchen Analytical, Inc. ................... 28
Micron Inc. ................................... 32
New Jersey Institute of Technology ........ 30
Numare Spectralab Inc. ...................... 28
NuMega Resonance Labs. .................... 29
Pelican Analytics ............................. 29
Polymer Processing Institute ............... 29
Primera Analytical Solutions Corp. ........ 29
Quantitative Technologies Inc. ............. 9
Robertson Microlit Labs ..................... 2
Schwarzkopf Microanalytical ............... 29
Spectral Data Services ....................... 30
Spex Certi Prep. Inc. ......................... 7
Tyger Scientific Inc. ........................ 29
Yasui Seiki Co. (USA) ....................... 28

EDUCATION
City College of New York, The ............. 4
Fairleigh Dickinson University (Madison) .. 6

EQUIPMENT
Chemglass, Inc. ................................ 32
Eastern Scientific Co. ......................... 30
LabAdvance .................................... 11
Mass Vac, Inc. ................................ 2
Rudolph Instruments .......................... 22

GENERAL
ACS-NY/NoJ Sections ......................... 30
Arendt & Associates ........................ 29
Repex & Co. Inc. .............................. 29
Scientific Bindery ............................ 27

RECRUITMENT
ACS-NY/NoJ Sections ......................... 31
Manhattan College ........................... 31

Career Opportunities

RECRUITING?
The Indicator readership is New York/North Jersey's largest single source for chemical and bio-chemical personnel.

The Indicator reaches more than 12,000 readers each month. These professionals are active in the following types of businesses:
MANUFACTURING 73%
ACADEME 21%
INDEPENDENT LABS 7%
INDEPENDENT CONS 6%
GOVERNMENT 3%

One recruiter said — We received more qualified resumes Than from our newspaper ad.

Contact Customer Service at:
781-837-0424
Email vinggale@tiac.net

ADJUNCT FACULTY
Manhattan College, an independent Catholic coeducational institution in the Lasallian tradition, is seeking part-time faculty to teach day and evening courses in General Chemistry and Lab, General Chemical Science and Lab, and Organic Lab.

Ph.D. in Chemistry or Biochemistry preferred for lecture courses; M.S. preferred for lab courses.

Please send resume and 3 references to:
Dr. John Wasacz, Chair, Chemistry Dept.

MANHATTAN COLLEGE
4513 Manhattan College Parkway
Riverdale, NY 10471
Email: john.wasacz@manhattan.edu
An AA/EO Employer M/F/D/V. Women and minorities are encouraged to apply. We are committed to a diverse workforce.
Can Satisfy Any of Your Small Scale Process Reactor Needs From 100mL to 5L

Benchtop Reactor Stand Converts From Single to Double

- Support Stand - made of stainless steel pipe and Teflon coated aluminum for maximum strength and chemical durability
- Digital overhead stirrer with separate controller; digital temperature monitor
- Angled front port for powder additions
- Graduated outer jacket provides a quick reference for approximate volume
- Agitators - large selection with various sizes, styles, and configurations
- Leveling feet are adjustable up to 4”

www.chemglass.com

3861 N. Mill Rd.
Vineland, NJ 08360
Phone: 1-800-843-1794
Fax: 1-800-922-4361
customer-service@chemglass.com