**Duffy Lab**

**Standard Supplies (7/28/11)**

**(Please help to keep this list updated)**

**Argon**

Airgas East, Philadelphia PA

AR UHP300 99.9999% Ultra-high purity gas cylinder

**Belleville Washers**

Associated Springs/Raymond, Maumee, OH

ss Belleville washers, 3/16” Part: B03-75-020S

**Beryllium Gaskets**

Venice Precision, 112 Morse Court, North Venice FL 34275

941-485-7700, [veniceprecision@verizon.net](mailto:veniceprecision@verizon.net)

Talk to Bob Gredick (owner)

**Bulbs**

Bulb Direct, Pittsford, NY

EKE-US (21 V, 150 W)

Osram lamp (6V, 20 W) 64250 HLX ESB/FHE

Osram (15 V, 150 W) 64634 HLX EFR

**Chemicals**

Alfa-Aesar

ESPI

Sigma-Aldrich

**Dessicant**

Hammond Drierite, Xenia, OH

**Electrical**

Newark Electronics, Ft Washington, PA

**Epoxy**

Pro-Pac Corp., Branchburg NJ

Stycast 2850FT Blue Epoxy (3 lb)

Catalyst 24 LV (8 oz)

Epoxy Technology, Inc, Billerica MA

Epo-Tek 301 and Epo-Tek 353ND

**External Heating for DAC**

Cotronics Corp, Brooklyn NY

Hi Elect. Resist. Ceramic Adehsive 919-1

Omega Engineering, Stamford CA

Unsheathed Pt wire SP13RH-010

Unsheathed fine gage t/c CHAL-002

Unsheathed wire thermocouple P13R-002

Fiberglass 20 gage FBGS-BK-20

Ceramic 2-Hole Round TRX-164116-6 TRX-04018-6

**Furnace Items**

Coors Tek, Chicago, IL

Crucible (6 ml) and cover 65532, 65603

**Lab Supplies**

**Cole Parmer**

Mortar and Pestle, Porcelain U-17820, U-17821

Petri Dish, Pyrex EW-34551-01

**Daigger**

Whatman Benchkote Bench Paper, 18 x 22” loose sheets EF8305A

**Fisher Scientific**

Disposable Aluminum Dishes (44 mm) 08-732-5A

Tin Specimen Boxes 03-490A, 03-490D

Metal Needle Holder 08-960B, 08-960A

Conical sample cups and caps 02-544, 02-544-10

Shell vials, 12 x 35, 03-375-9

Mortar and pestle, Al2O3, 12-948A, 12-948C 12-948-5A, 12-948-5C

**Instruments for Research and Industry, Cheltenham, PA**

Glove Bag (X-27-27H)

**International Products Corp., Burlington, NJ**

9031 Micro liquid lab cleaner (qt)

**McMaster–Carr**

screws

10-32 x 1” socket head screw 91251A347; 91251A351 (1.5” length)

10-32 x 1” socket head screw – left handed 91670A999 or 9167A316?

10-32 x ½” socket head screw 91252A242

10-32 X ¼” S.S. Sc. cup point 91375A438

3-48 x 3/32” Set screws, coarse thread 91375A088

3-48 x ¼” Set screws, 91375A092

**MSC Industrial Supplies, Warminster, PA**

**PGC Scientifics Corp., Gaithersburg, MD**

Shell vials, 8 x 30, 82-5689-70

**Sigma Aldrich, Milwaukee, WI**

**Laser**

Coherent, Inc, Santa Clara, CA

Verdi Air Filter 0170-383-00

**Microdrills**

Minitool, Los Gatos, CA

Spade type carbide microdrills 125-15-1

Drive Belt for model H drilling machine MD 0013

**Microscopy Supplies**

Ted Pella, Inc. Redding, CA.

[www.tedpella.com](http://www.tedpella.com)

--Pin Vise

--Sytrene square boxes

McCrone Microscopes & Accessories, Westmont, IL

[www.mccronemicroscopes.com](http://www.mccronemicroscopes.com)

-- tungsten needles

Lhasa OMS, Weymouth, MA

<http://www.lhasaoms.com/seirin_needles-23-page.html>

-- steel acupuncture needles

**Mitutoyo micrometers and objectives**

MRO Industrial Supplies, Manville, NJ

**Office Supplies**

OfficeMax

**Optics and Mounts**

Coherent/Ealing

CVI Laser

Edmund Scientific

Melles Griot

New focus

Newport

Oriel

Rolyn Optics

Schneeberger

Thorlabs

**Re foil**

Sigma-Aldrich

50 mm x 50 mm, 0.25 mm thick - 267317-13.2G

25 mm x 25 mm, 0.25 mm thick - 267317-3.3G

**Polishing Supplies**

Lapping Film

Allied High Tech Products

0.3, 1, 5, 9 um Al2O3 (8” lapping disk)

Polishing Oil

Beta Diamond Products, Yorba Linda, CA

lubricant W/W

Abrasive disks

Buehler, Lake Bluff IL

Abrasive Disks 8” (240 grit, 600 grit) 30-5108-xxx-100; where xxx is 240, 600 etc.

**Samples**

Ward’s Natural Science, Rochester NY

**Saw Blades**

Buerhler, Ltd, Lake Bluff, IL

Buehler isomet Diamond wafer blade 11-4253, 11-4254

**Single Crystal plates**

MTI, Richmond CA

Commercial Crystal Laboratories, Naples, FL

**Stereomicroscopes**

Leica (I. Miller Precision Optics, Philadelphia, PA)

Meiji Microscope, Capital Microscope Services, Clifton Park, NY