

# Columbia Engineering Co.

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## Equipment List (partial listing)

### ELECTRONIC

- 100 Mhz Oscilloscopes (Tektronix 465) - Two
- High Speed Sampling Oscilloscope (Tektronix 568 w/ 3S3 & 3T6 plug-ins)
- AC Video Millivolmeters, (Hewlett Packard 400 series) - several
- DC microvolt-picoammeter (Hewlett Packard 425A)
- 0.1 % R-L-C Impedance bridge (E.S.I 250-DA)
- Digital frequency counters (Hewlett Packard 5232A) - Several
- Multi-function precision DVMs (Fluke & Dana) - Several
- Pulse Generator (Hewlett Packard 8002A)
- Oscillator - 1.0 MHz (Hewlett Packard 204C) - Several
- Noise Generator, Audio, Video, & R.F. (General Radio 7280)
- Military Microwave Power Meter
- Precision Capacitors and Resistors.

### POWER EQUIPMENT

- AC RMS Ammeters (Weston 904, & 433) - several
- Laboratory Grade Current Transformers, 200, 800 & 1200 amp (Weston 461) - several
- High current shunts: 50, 200, & 500, & 1500 Amps (0.25%)
- Clamp-on ammeter 8.0 to 100 Amp (Amprobe)
- RMS Wattmeters (Weston & Sargent Welsch) - several
- RMS Voltmeters, (Weston 435)
- Variac variable transformers from 10 amp to 100 amp at 120 Vac and 240 Vac
- Isolation Transformers 5 KVA

### MECHANICAL INSTRUMENTS (all Starrett)

- Gage Block set - Grade 2 (grade A+) + 4.0, -2.0 microinch
- Micrometer - direct tenth (0.0001") reading
- Dial caliper (six inch x 0.001")
- Pitch gages (English & Metric)
- Hole gages

### MISCELLANEOUS EQUIPMENT

- Power Supplies, (Hewlett Packard, Lambda, NJE, etc.) - Numerous
- Precision Capacitance Decade Boxes (CDE) - Several
- Precision Resistance Decade Boxes (General Radio) - Several
- Bread Boards, Substitution Boxes, & etc.
- Component assortments

### DESIGN SOFTWARE

- MathCad Math and Analysis software
- Multisim Circuit Simulation and analysis
- MAP Software (Bills of Material & etc.)