## PRICE LIST

## Effective January 1, 1947

## Resistance-Tuned Oscillators

| Model 200-A | $35-35,000 \mathrm{cps}$ |
| ---: | :--- |
| $200-\mathrm{B}$ | $20-20,000 \mathrm{cps}$ |
| $200-\mathrm{C}$ | $20-200,000 \mathrm{cps}$ |
| $200-\mathrm{D}$ | $7-70,000 \mathrm{cps}$ |
| $202-\mathrm{D}$ | $2-70,000 \mathrm{cps}$ |
| $200-\mathrm{I}$ | $6-6,000 \mathrm{cps}$ |
|  |  |
| $201-\mathrm{B}$ | $20-20,000 \mathrm{cps}$ |

## Audio Signal Generators

205-A 20-20,000 cps

205-AG 20-20,000 cps
205-AH $\quad 1 \mathrm{kc}$ to 100 k

Square Wave Generator
210-A 20-10,000 cps

## Harmonic Analyzers

| 300-A | Harmonic Wave <br> Analyzer |
| :---: | :--- |
| 320-A | Distortion <br> Analyzer |
| 330-B | Distortion <br> Analyzer |
|  | Distortion <br> Analyzer |

Frequency measurement range 30 cps to 16 kc . Variable selectivity
625.00

Distortion measurements at $\mathbf{4 0 0} \mathbf{c p s}$ and $\mathbf{5 , 0 0 0} \mathbf{c p s}$
75.00

Similar to $\mathbf{3 2 0}$-A, except six frequencies: $\mathbf{5 0 , 1 0 0} \mathbf{4 0 0}, \mathbf{1 , 0 0 0}, \mathbf{5 , 0 0 0}$ and $7,500 \mathrm{cps}$
150.00

Measures total distortion at any frequency from 20 to $20,000 \mathrm{cps}$. $\mathbf{4 2 5 . 0 0}$

> Bridged-T type, 110 db in 1 db steps. 5 watts. Resistances to $\pm 0.5 \%$ accuracy. 500 ohm impedance.........

Same as Model 350-A. 600 ohm impedance . . . . . . 50.00
Voltage dividers, matching networks, and precision resistors can be supplied for special problems. Prices upon request.

## Voltmeters

400-A Vacuum Tube Voltmeter
0.03 volts to 300 volts full scale. Frequency response, 10 cps to 1 mc . Average reading (calibrated in rms)
185.00

410-A High Freq. Vac. Tube Voltmeter

## Amplifier

450-A Stabilized Laboratory Amplifier

Direct reading. Output 1 watt into 500 ohms . . . . . . $\$ 120.00$
Direct reading. Output 1 watt into 500 ohms . . . . . . 120.00
Direct reading. Output 10 volts into 1,000 ohms . . . . . 150.00
Direct reading. Output 10 volts into 1,000 ohms . . . . . 175.00
Direct reading. Output 10 volts into 1,000 ohms . . . . . 275.00
Direct reading. Output 10 volts into 1,000 ohms. Frequency setting closer than $1 \%$
225.00

Direct reading. Output 3 watts into 600 ohms . . . . . 250.00

| Output 5 watts. Universal impedance output. Complete with output meter and 110 db attenuator | 390.00 |
| :---: | :---: |
| Similar to 205-A, plus separate voltmeter circuit for gain measurements | 425.00 |
| Output 5, 3, and 1 watt at $3 \%, 1 \%$, and $0.5 \%$ distortion, respectively. Universal impedance output. Complete with output meter and 110 db attenuator | 550.00 |

60 volts, peak to peak. Internal impedance 1,000 ohms, balanced to ground
150.00

## Attenuator Sets

350-A
Attenuator

350-B Attenuator

1 to 300 v ac full scale ( 6 ranges). Freq. response-20 cps to 700 megacycles (calibrated in rms). 1 to 1000 v dc voltmeter ( 7 ranges). 2 ohm to 500 megohm ohmmeter ( 7 ranges)
245.00

40 db or 20 db gain from 10 cps to $1,000,000 \mathrm{cps}$. Extends full scale sensitivity of -hp-400-A VTVM to 300 microvolts .
140.00

| Frequency Measuring Equipment |  |  |  |
| :---: | :---: | :---: | :---: |
| Model 100-A | Secondary Frequency Standard | $100 \mathrm{kc}, 10 \mathrm{kc}, 1 \mathrm{kc}$, and 100 cps .100 kc crystal with temperature coefficient of $\mathbf{2}$ cps per megacycle per degree Centigrade | \$450.00 |
| 100-B | Secondary Frequency Standard | Same frequencies as Model $100-\mathrm{A}$, with temperature controlled crystal. Frequency held within $.001 \%$ from - 10 to +50 degrees Centigrade | 500.00 |
| 110 | Frequency Divider Panel | 100 cps to 10 cps . To be used in conjunction with $100-\mathrm{A}$ or $100-\mathrm{B}$ Frequency Divider Panels can be supplied for other frequencies from 10 cps to 1 mc . Prices on application. | 350.00 |
| 500-A | Electronic <br> Frequency Meter | Direct reading, 5 cps to 50 kc . Input voltage as low as 0.5 volts | 210.00 |
| 505-A | Electronic <br> Tachometer | Similar to 500-A, with tachometer head added. Measures rotations up to $3,000,000 \mathrm{rpm}$. Scale calibrated in rpm. No mechanical connections to rotating part . | 300.00 |
| 505-B | Electronic <br> Tachometer | Similar to 505-A, with scale calibrated in rps | 300.00 |
| 506 | Tachometer Head Assembly | Photocell and light source with condensing lenses, mounted on a stand | 80.00 |
| Signal Generator |  |  |  |
| 610-A | Ultra High Frequency | Frequency range 500 mc to $\mathbf{1 3 5 0} \mathbf{m c}$. Calibrated output voltage 0.1 microvolt to 0.1 volt. Internal pulse modulation . | 925.00 |
| Power Supply |  |  |  |
| 710-A | Regulated Power Supply | Supplies any dc voltage between 180 and 360 volts for 0 to 75 ma load. Also supplies 5 amps at 6.3 vac . | 85.00 |
| Hardware |  |  |  |
| 10 | Binding Post | Complete with insulating washers, solder lug, lock washer and nut <br> quantity 1 to 99 | . 20 each |
| 14 | Flexible Coupler | 100 and over <br> Ceramic insulated; permits misalignments of $1 / 32^{\prime \prime}$ | .15 each |
|  |  | 10 to 99 <br> 100 and over | 1.35 each <br> 1.25 each |

Note: Above prices complete with tubes, FOB Palo Alto, California. Prices and data subject to change without notice. All instruments (except the $\mathbf{4 1 0 - A}$ and $710-A$ ) are available in relay rack mounting at $\$ 5.00$ additional. Standard finish grey wrinkle, other finishes at $\mathbf{\$ 5 . 0 0}$ additional.


## -hp- REPRESENTATIVES

BURLMGAME ASSOCIATES LTD.
11 Park Place
NEW YORK 7, NEW YORK
Worth 2-2171

ALFRED CROSSLEY
549 W. Randolph St.
CHICAGO 6, ILLINOIS

MORMAM B. MEEIY ENTERPRISES
7422 Melrose Avenue HOLLYWOOD 46, CALIF. Whitney 1147

ATAS RADIO CORP. LTD. 560 King St. Wost TORONTO I, CANADA

BIVINS \& CALDWEL
134 West Commerce Sireet HIGH POINT, CAROLINA Phone 3672

RONAD G. BOWEA
1886 South Humboldt Street
DENVER 10, COLORADO Spruce 9368

