

S H O R T & M A S O N

SCIENTIFIC  
INSTRUMENTS



*Taylor*



CATALOG No. 2000 • FEBRUARY 1936 EDITION

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# SCIENTIFIC INSTRUMENTS

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PRICES SUBJECT TO CHANGE WITHOUT NOTICE

*Branch Sales Offices*

|                |              |             |               |
|----------------|--------------|-------------|---------------|
| Boston         | Chicago      | Detroit     | Tulsa         |
| New York       | Atlanta      | Pittsburgh  | St. Louis     |
| Cincinnati     | Minneapolis  | Baltimore   | Cleveland     |
| Portland, Ore. | Philadelphia | Los Angeles | San Francisco |

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TAYLOR INSTRUMENT COMPANIES OF CANADA, LTD.  
Winnipeg                      TORONTO                      Montreal

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MANUFACTURING DISTRIBUTORS IN GREAT BRITAIN, SHORT & MASON, LTD.  
LONDON, ENGLAND

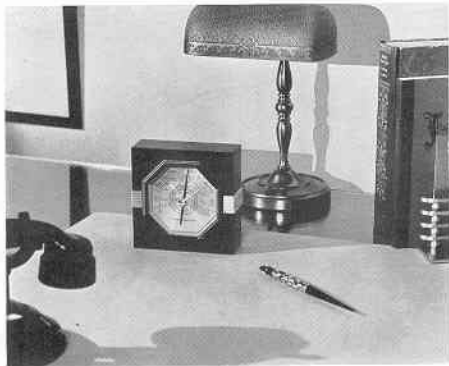
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## *Taylor Instrument Companies*

R O C H E S T E R • N Y • U S A



*The beauty and utility of a "Stormguide" enhance the intimacy of den, library or apartment.*

## Taylor **S T O R M O G U I D E S**

These handy weather advisors tell at a glance the weather conditions you may expect tomorrow. The forecasts on the dial have been positioned as they are after extensive and careful determination.

A handy device is embodied which makes "Stormguides" satisfactory for use in any locality from Sea Level to 3500 feet, or where specified, to 7000 feet. Merely rotate the plate until the figure equivalent to the elevation of your town is opposite the arrow on the case, and the "Stormguide" is set for service.

The Taylor Automatic Signal—a patented device that continually shows the present trend of pressure—is now incorporated into the majority of "Stormguides."

*Illustration shows adjustment for Rochester, altitude, 525 feet.*



▼  
**No. 2257 Taylor "Stormguide"—** EACH  
**Fairfax Model. \$10.00**

Satin-black finished 5-inch-square case, with chromium bezel and trim; 53/4" octagonal machined aluminum dial; good-grade movement; 4 1/2" range; fitted with signal device. Each in a gift box.

**No. 2257-HA** As No. 2257, except with altitude adjustment for 5400 to 7000 feet. . . . . **11.50**

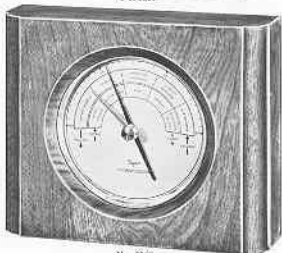
▼  
**No. 2267 Taylor "Stormguide"—** EACH  
**Stratford Model. \$7.50**

In dark-mahogany-finished frame; 4" grained-brass-finished dial; altitude adjustment to 5500 feet.

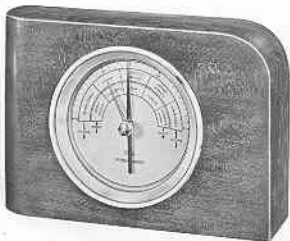
**No. 2267-HA** As 2267, except with altitude adjustment for 5500 to 7000 feet. . . . . **8.50**



No. 2257



No. 2267



No. 2268

▼  
**No. 2268 Taylor "Stormguide"—** EACH  
**Warwick Model. \$10.00**

In mahogany-finished frame; 4" grained-brass-finished dial; with bezel; good-grade movement; 4 1/2" range; fitted with signal device, and altitude adjustment to 5500 feet.

**No. 2268-HA** As 2268, except with altitude adjustment for 5500 to 7000 feet. . . . . **11.50**



▼  
**No. 2251 Taylor Yacht "Stormguide"** EACH **\$40.00**

Grained-finish brass case; steering-wheel design, with 5" silvered-metal dial; 6½"-diameter drilled back flange. Best-grade movement, compensated for temperature. Each in card box.

**No. 2251-C** Same as above except chrome finish **44.00**



No. 2251



No. 2414

▼  
**No. 2414 Short & Mason Hexagonal-Frame "Stormguide"** EACH **\$35.00**

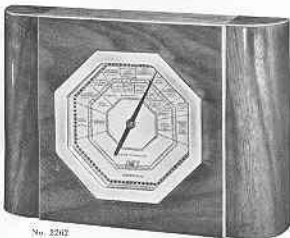
Supplied in either hand-rubbed walnut or solid-mahogany frame; 5" silvered-metal dial; antique-finish bezel. Best-grade movement, compensated for temperature. Each in card box.

▼  
**No. 2262-M Taylor "Stormguide"—Grosvenor Model** EACH **\$15.00**

In mahogany frame; full-gilt brass dial, best-quality compensated movement; 4½" range; with signal device. Altitude adjustment to 3500.

Also available in walnut (2262W) and maple-and-walnut combination (2262C).

**No. 2262-HA** As 2262 (all finishes), except with altitude adjustment for 5500 to 7000 feet **16.50**



No. 2262

*Essentially an instructive hobby, "Stormoguides" in choice wood frames—reprints of authentic pieces or originals of modern conception—blend harmoniously with surroundings. Their weather service is reliable.*

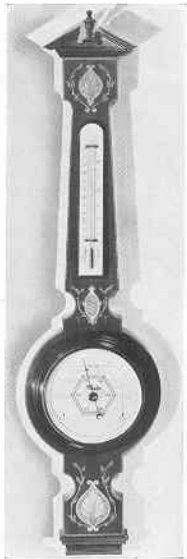


▼  
SHORT & MASON

## PENDANT STORMOGUIDES

Designed for hallways of the home, for hotel and club reception rooms—for all places where beauty and utility go hand in hand.

"Stormoguides" fulfill the requirements of the perfect gift; for the man who "has everything." Ideal for weddings, or as marks of esteem.



No. 2470-H

No. 2470-H Short & Mason Inlaid Sheraton EACH  
Pendant "Stormguide" \$65.00

Sheraton-design mahogany frame, richly inlaid—a true reproduction of an authentic design; 5" dial; best-grade compensated movement. Size 28" x 7½".

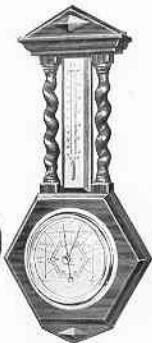
No. 2270 Taylor Inlaid Pendant "Stormguide" 50.00

Solid-mahogany frame, urn design; 3¼" grained-brass dial, and thermometer to match; best-quality movement. Size 18½" x 5½" x 2".

No. 2271 Same as No. 2270, except flower design. 50.00



No. 2270



No. 2409-H



No. 2480-H

No. 2409-H Short & Mason Jacobean Pendant EACH  
"Stormguide" \$48.50

Jacobean design; solid-walnut or mahogany frame; 5" dial; best-grade compensated movement. Size 19" x 9".

No. 2480-H Short & Mason Inlaid Pendant 44.00  
"Stormguide"

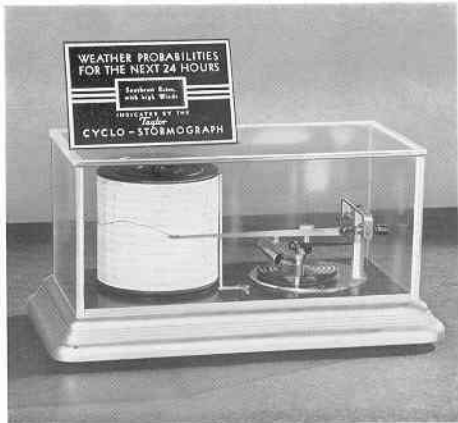
Inlaid mahogany frame; 5" silvered-metal dial; thermometer to match; best-grade compensated movement. Altitude adjustment to 3500 feet. Also furnished in satinwood or rosewood.

No. 2550 Taylor 12" Display "Stormguide" Price on application  
In mahogany or walnut frame 18¾" wide by 15¼" high; engraved silvered metal dial; best-grade compensated movement; with signal device; altitude adjustment to 3500 feet.

When alternative finishes are desired, indicate choice by adding to catalog number the letter "M" for mahogany; "W", walnut; "R", rosewood; "S", satinwood.

\*Can be supplied as plain barometers at a slightly lower cost.





*You will see "Stormographs" in banks, weather kiosks, hotel lobbies, steamship offices—in fact, wherever people congregate and appreciate service. (No. 2014 illustrated.)*

# S T O R M O G R A P H S

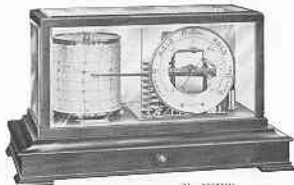
These instruments give weather information in plain, easy-to-read language, so simple that even a child can understand.

Weather is a matter of universal conversation. Use it to your personal advantage. Display a "Stormograph" and it will bring people daily to your place of business. It is a sure and distinctive builder of good will.

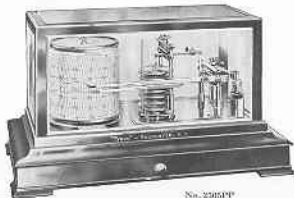




No. 2302



No. 2305NN



No. 2305PP

### Extras For "Stormographs"

| NUMBER   | YEAR'S SUPPLY |
|--|---------------|
| 82 Lettered Taylor "Cyclo-Stormograph" Charts for No. 2314   | \$5.00        |
| 85 Figured Taylor "Cyclo-Stormograph" Charts for No. 2314    | 3.00          |
| 2 Figured Taylor "Stormograph" Charts for Nos. 2302 and 2305 | 3.00          |
| 3 Lettered Taylor "Stenograph" Charts for Nos. 2302 and 2305 | 3.00          |
| 20 Figured Taylor "Stormograph" Charts for No. 2305PP        | 3.50          |
| 96 Forecasts Card for use with Taylor "Stenographs"          | EACH \$2.00   |
| Taylor "Stormograph" Ink. Plain bottle                       | .50           |
| Taylor "Stormograph" Ink. Stopped bottle                     | 1.00          |
| Taylor "Stormograph" Pens                                    | 1.00          |

NOTE—Metric charts Nos. 85M or 8, in place of Nos. 85 or 2, at no extra cost.

No. 2302 Short & Mason "Stormograph".....EACH \$115.50

Same movement as No. 2305. Hinged mahogany case with glass ends and front, and handle for carrying. Year's supply of No. 2 or No. 3 charts, and bottle of ink.

No. 2305 Short & Mason "Stormograph".....EACH \$137.50

Mahogany case with top and sides of beveled plate glass, doors for holding charts. Multiple diaphragm movement, insuring sensitivity and precision; movement compensated for temperature. Year's supply of No. 2 or No. 3 charts, and bottle of ink.

"NN" Short & Mason Dial Attachment for "Stormographs".....EACH \$22.00

Can be attached to any "Stormograph" except No. 2314. Combines chart record and dial readings of an ordinary aneroid barometer.

"PP" Short & Mason Thermograph Attachment for "Stormographs".....EACH \$35.00

Can be attached to any "Stormograph" except No. 2314. Furnishes barometer and thermometer readings, both on the same chart.

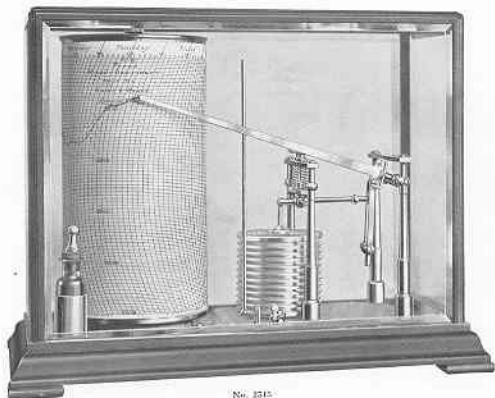
No. 2314 Taylor "Cyclo-Stormograph".....EACH \$50.00

(Illustrated on opposite page)

Glass-covered case; seven-day clock; oil diaphragm movement compensated for temperature. Forecast cards, year's supply of No. 82 Charts, and bottle of ink. For altitudes 0 to 3500 feet.

No. 2314HA Same as No. 2314, except for altitudes 3500 to 7000 feet.....EACH \$60.00

# SHORT & MASON MICRO-BAROGRAPHS



No. 2515

Accurate measurement of atmospheric pressure changes is of great interest and value in almost every branch of human endeavor. Since the invention of the barometer in 1643 A. D., and improvement of the aneroid barometer in 1845, there has been unanimous effort to reduce reading of changes to the smallest possible unit.

Ordinary barometers are satisfactory for indicating pressure at the moment. Barographs show the trend of change of pressure on charts divided to 1/10 of an inch of pressure. The "Micro-Barograph,"

with its extra sensitivity and accuracy of leverage, makes possible records on a chart divided to .02 of an inch, and sub-divisible by the eye to .005 of an inch.

Short & Mason "Micro-Barographs" are adequately compensated for temperature effect to a point where errors due to this cause are negligible.

Facsimiles on the opposite page, of two actual chart records made at the same station over the same period, verify the claim for this instrument of sensitivity to small changes.

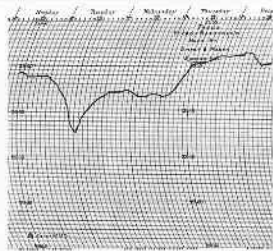
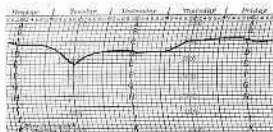
Public Service Corporations find the "Micro-Barograph" of immeasurable service during storm periods, enabling them to have emergency equipment available with the least possible delay.

In High Schools and Laboratories this instrument is of great advantage, because of its sensitivity and accuracy.

For Engineers its fineness of reading makes it the ideal station instrument, permitting finer and more accurate barometric surveys.

For Airports, where weather is such an important factor, this is the ideal instrument for recording air-pressure changes, because it insures greater accuracy in weather predictions.

(Below) A one-third-size chart and record of an ordinary barograph. (Right) A one-third-size "Micro-Barograph" chart and record, covering the same period. Comparison realizes the great advantage of the "Micro-Barograph" when close readings are important.



- |           |   |                         |
|-----------|---|-------------------------|
| No. 2515  | Shurt & Mason "Micro-Barograph".....  | EACH<br><b>\$275.00</b> |
|           | Metal frame 12" x 9" x 6 1/2", with beveled plate-glass top and sides; siphon-type element; seven-day jeweled clock.<br>Complete with year's supply of 7-day charts, and bottle of ink. |                         |
| No. 2515A | Same as No. 2515 except with No. 146 24-hour charts instead of seven-day charts.....  | <b>285.00</b>           |

#### Charts for "Micro-Barographs"

- |         |   |                                |
|---------|---|--------------------------------|
| No. 150 | Charts (38.5 to 31 inches) for use with No. 2515 "Micro-Barograph"..... | YEAR'S SUPPLY<br><b>\$4.50</b> |
| No. 131 | Charts (720 to 790 mm.) for use with No. 2515 "Micro-Barograph".....    | <b>4.50</b>                    |
|         |   | PER 100                        |
| No. 146 | Charts (24-hour) for use with No. 2515A "Micro-Barograph".....          | <b>\$9.00</b>                  |

# ALTITUDE BAROMETERS

*for*  
**Engineers,  
Tourists, Hunters  
and Other Out-of-  
Doors Men**

Instruments that give interesting information and valuable data on heights of hills and mountains encountered on your trips. Evenly-divided scales of Taylor Altimeters make the determination of altitudes a simple matter.

When at rest at any one place the instrument can be used to forecast probable weather conditions.



- ▼
- |  |                 |
|--|-----------------|
| No. 2075-C Taylor Auto-Altimeter (Illustrated)   | EACH<br>\$35.00 |
| 3" black enameled case with nickel-plated bezel; 4" back mounting flange; range to 5000 feet in 20-foot divisions. |                 |
| No. 2075-D Same, except reading to 10,000 feet in 50-foot divisions  | 36.50           |
| No. 2075-F Same, except reading to 16,000 feet in 50-foot divisions  | 39.00           |

NOTE—All are available with flange at front for flush mounting. In ordering add  $\frac{1}{2}$  to number of instrument.



No. 2005



No. 2007



No. 2001

**No. 2005** Short & Mason Altitude Barometer . . . . . **\$41.50**

Best-grade movement; range in 8000 feet, in 50-foot divisions. Gilt case;  $1\frac{3}{4}$ " silvered-metal dial. In soft leather pocket carrying case.

**No. 2005-B** Same as 2005, except reading to 5000 feet in 10-foot divisions . . . . . **45.00**

**No. 2005-E** Same as 2005, except reading to 12,000 feet in 50-foot divisions . . . . . **45.00**

**No. 2005-F** Same as 2005, except reading to 16,000 feet in 100-foot divisions . . . . . **49.50**

**No. 2007** Short & Mason Combination Aneroid Barometer and Compass . . . **82.50**

Aluminum case with  $1\frac{3}{4}$ " silvered-metal dial; range to 8000 feet in 50-foot divisions on one side and a floating-pearl-dial compass with curved thermometer in reverse side. In Morocco-covered velvet-lined case.

**No. 2007-B** Same as 2007, except barometer dial reads to 3000 feet in 10-foot divisions. . . . . **\$85.50**

**No. 2007-E** Same as 2007, except barometer dial reads to 12,000 feet in 50-foot divisions. . . . . **85.50**

**No. 2007-F** Same as 2007, except barometer dial reads to 16,000 feet in 100-foot divisions. . . . . **88.00**

**No. 2021** Short & Mason Altitude Barometer . . . . . **27.50**

Gilt case with  $1\frac{3}{4}$ " silvered-metal dial; range to 8000 feet in 100-foot divisions. In soft leather case.

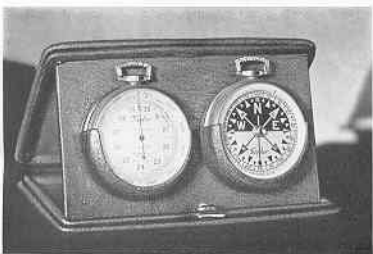
**No. 2021-E** Same as 2021, except reading to 12,000 feet in 100-foot divisions. . . . . **30.00**

**No. 2050** Short & Mason Admiral Byrd Set . . . . . **\$55.00**

$1\frac{3}{4}$ " Gilt-Cased Altitude Barometer to 10,000 feet; with floating-dial compass to match. In best-quality folding leather pocket case.

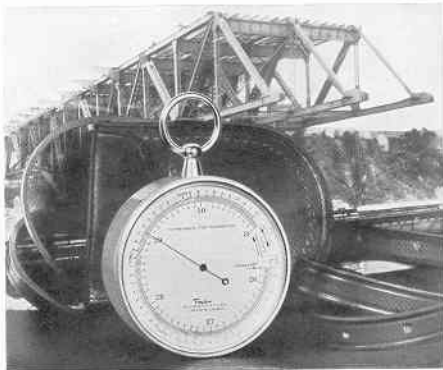
**No. 2069** Short & Mason "Heightometer" . . . . . **22.00**

Black-enameled flanged case,  $2\frac{5}{8}$ " diameter;  $1\frac{3}{4}$ " black-oxidized dial with white figures. Altitude, 0 to 5000 feet. Complete with screws for mounting.



No. 2069

# ALTITUDE BAROMETERS



*No. 2073-CK illustrated—standard with U. S. Dept. of Interior Geodetic Survey.*

## *for* Civil Engineers . . . Geologists . . . Surveyors

Instruments for general utility in preliminary field investigation, embodying all the improved features of construction that eliminate shift, creep and lag. Direct-reading from equally-divided altitude scales—based on U. S. Standard Table—that are adjustable to accurately compensate for atmospheric pressure. All instruments have movements compensated for temperature effect.



|   | EACH     |
|---|----------|
| No. 2042 Short & Mason Pocket Aneroid Barometer . . . . .   | \$ 55.00 |
| Gilt 2 1/4" diameter metal case; dial reading to 5000 feet, in 50-foot divisions. In soft leather case.   |          |
| No. 2042-B Same as No. 2042, except reading to 3000 feet, in 10-foot divisions . . . . .  | 58.50    |
| No. 2042-E Same as No. 2042, except reading to 12,000 feet, in 50-foot divisions . . . . .  | 58.50    |
| No. 2075-CK Taylor Engineer's Aneroid Barometer . . . . .   | 42.00    |
| Aluminum case with 3" dial reading to 5000 feet, in 20-foot divisions. In velvet-lined leather sling carrying case.   |          |
| No. 2075-DK Same, except reading to 10,000 feet, in 50-foot divisions . . . . .   | 45.00    |
| No. 2075-FK Same, except reading to 16,000 feet, in 50-foot divisions . . . . .   | 46.00    |
| * No. 2120 Short & Mason Surveying Aneroid Barometer . . . . .  | 112.50   |
| Aluminum 3" diameter case; dial range 6000 feet, reading by vernier to two feet, locking device to adjustable altitude scale; reading lens traversing complete circle. In leather sling case. |          |
| No. 2120-B Same as No. 2120, except range 3000 feet, reading to single feet by vernier . . . . .  | 118.00   |
| * No. 2121 Same as No. 2120, except 5" diameter, and dial range 6000 feet, reading to single feet by vernier . . . . .  | 129.00   |
| No. 2121-B Same as No. 2121, except range 3000 feet, reading to single feet by vernier . . . . .  | 155.00   |
| No. 2121-D Same as No. 2121, except range to 10,000 feet, reading to single feet by vernier . . . . .   | 135.00   |
| No. 2121-F Same as No. 2121, except range 16,000 feet, reading to two feet by vernier . . . . .   | 141.00   |

\*Nos. 2120 and 2121 can be built with range of 20,000 feet reading to 5 feet, or with mining scales. Prices on request.



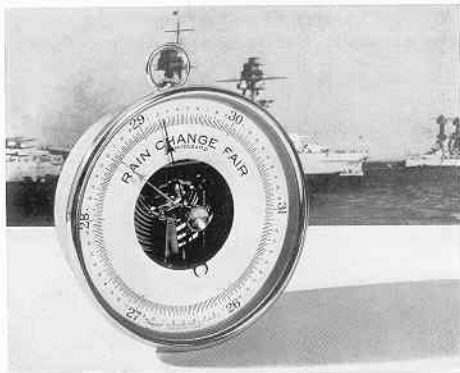
No. 2042



No. 2120



# Taylor ANEROID BAROMETERS



*As supplied to the U. S. Navy,  
U. S. Shipping Board, U. S.  
Dept. of Agriculture and the  
U. S. Dept. of Commerce.  
(No. 2250 Illustrated.)*

*for*

**Seamen ... Yachtsmen ... Doctors ... Factories ... Power Houses  
Householders ... Weather Observers at Airports**



These instruments will indicate atmospheric pressures to .02 inches of mercury. Used in trades, professions, and in industries where readings must be accurate, having a bearing on efficiency of operation and economics of production.

|  |                        |
|--|------------------------|
| No. <b>2200-5"</b> Taylor Brass-Case Barometer.....  | EACH<br><b>\$12.00</b> |
| Lacquered-brass 5" case; white-enamelled dial; good-grade movement. In card box.                                   |                        |
| No. <b>2202-5"</b> Same as No. 2200-5", except with loquered movement, and dial with open center. In card box..... | <b>15.50</b>           |
| No. <b>2250-5"</b> Taylor Special Brass-Case Barometer.....  | <b>20.00</b>           |
| Best-quality movement, temperature-compensated; open-face, silvered-metal dial. In card box.                       |                        |



\* Above barometers are available at an extra cost, for medical and scientific use, with dials engraved to give metric measurements in addition to the ordinary inch scale, but without weather words.



No. 2200



No. 2200-1M



No. 2250-1M

|  |                        |
|--|------------------------|
| No. <b>2250-6"</b> Same as No. 2250-5", except 6" diameter. In card box.....   | EACH<br><b>\$25.00</b> |
| No. <b>2250-T-5"</b> Taylor Special Brass-Case Barometer with Thermometer.....   | <b>21.50</b>           |
| Same as No. 2250-5", except with curved thermometer fitted in lower part of barometer dial. Thermometer with both F. and C. temperature scales. In card box. |                        |

### Folding Feet For Brass-Case Barometers

Frequent requests for brass-case barometers fitted with feet, for use on mantle, table or desk, led to the development of Taylor Patented Folding Feet, which are out of sight when instrument is hung. Can be fitted to any 5" Taylor Brass-Case Aneroid Barometer listed above and on pages 18 and 19. When ordering, add letter "X" to instrument number.

# Taylor ANEROID BAROMETERS



*Illustrating No. 2252—also back view showing means of adjusting instrument to your altitude.*

## *for* Use in High Elevations

Where users are located in high altitudes the regular sea-level-range instruments often are unsuitable. Special dials are built for these areas and cover elevations from 2,000 to 10,000 feet.

Others are made with adjustments to give equivalent sea-level readings.

**No. 2218-4½" Short & Mason** EACH  
**Cylindrical-Case Barometer \$49.50**  
 Precision-grade movement with extra-fine-divided hand-engraved metal dial, reading to .01 of an inch. In velvet-lined red-morocco case.



No. 2218



No. 2250APL

**No. 2250-L-5" Taylor Yacht**  
**Barometer 20.00**  
 Has 5" lacquered heavy spun brass case with 63⁄64" mounting flange; good-grade movement; open-center silvered dial. In card box.

**No. 2250-APL-5" Same as No. 2250-L-5", except with best-grade movement, compensated** EACH  
 for temperature. In card box. **\$27.00**

**No. 1040 Taylor Engine-Room Barometer 36.00**  
 Designed for gauge-board mounting; 6" brass case with flange back; open-face metal dial; movement compensated for temperature; range 25 to 31 inches in .01 of an inch divisions. In card box.

#### Barometers for Use in Higher Elevations

**No. 2202-25/29 Taylor Brass-Case Barometer 18.00**  
 Lacquered brass case 5" diameter; open-center enameled-metal dial; good-grade movement. For use between 2000 and 7100 feet.

**No. 2202-21.27 Same as 2202-25/29, except for use between 5600 and 9500 feet 18.00**

**No. 2250-25/29 Taylor Brass-Case Barometer 25.00**  
 Lacquered brass case 5" diameter; open-center, silvered metal dial; special, best-grade compensated movement. For use between 2000 and 7100 feet.

**No. 2250-20/26 Same as No. 2250-25/29, except for use between 4800 and 10,600 feet. 25.00**

**No. 2252 Taylor Brass-Case Barometer 18.00**  
 Lacquered brass case 5" diameter; closed enameled-metal dial; good-grade movement; with revolving altitude adjustment. For use between 0 and 5,600 feet.



No. 2232



No. 2232

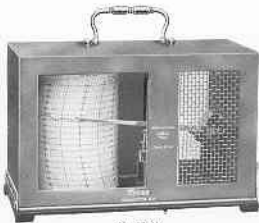
**No. 2252-HA Same as** EACH  
 No. 2252, except for use  
 from 3,500 to 7,000 feet **\$21.00**



\*Will be supplied if so specified, at an extra cost, to give metric measurements in addition to the ordinary inch scale, but without weather vials.



No. 2350

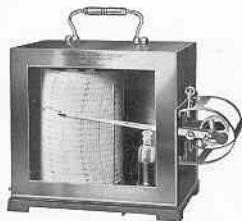


No. 2351

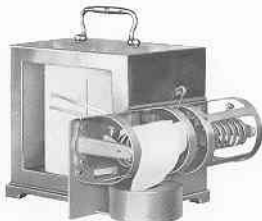
# T H E R M O G R A P H S

Records of temperature are invaluable in most phases of research and industry, and are essential in meteorology—and they must be accurate.

These portable thermographs give records that are of the desired accuracy. Actuated by highly sensitive bi-metallic coils, they have proved more satisfactory than the liquid-filled thermostat type. Direct connection from temperature member to the recording pen has eliminated lag and minimized friction. The iron base and copper covers are impervious to corrosion.



No. 2360



No. 2361

**No. 2550 Taylor Recording Thermograph**

EACH  
**\$50.00**

Gray-enamelled metal case  $10'' \times 6\frac{1}{2}'' \times 4\frac{1}{2}''$ , ranged to cover  $100^{\circ}\text{F}$ ., or equivalent centigrade; 7-day, full-jeweled clock. Complete with year's supply of charts as selected (see list below), and bottle of ink.

**Extra Charts for No. 2550 Thermograph**

|   | YEAR'S SUPPLY |
|---|---------------|
| No. 84 Charts; ranged $0^{\circ}$ to $100^{\circ}\text{F}$ .....            | \$5.50        |
| No. 85 Charts; ranged $20^{\circ}$ to $120^{\circ}\text{F}$ .....           | 5.50          |
| No. 86 Charts; ranged minus $10^{\circ}$ to plus $90^{\circ}\text{F}$ ..... | 5.50          |
| No. 88 Charts; ranged for $100^{\circ}\text{F}$ , but unfigured.....        | 5.50          |
| No. 90 Charts; ranged minus $20^{\circ}$ to plus $25^{\circ}\text{C}$ ..... | 5.50          |

**No. 2553 $\frac{1}{2}$  Short & Mason High-Drum Thermograph**

**\$115.50**

Oxidized copper case  $10'' \times 6\frac{1}{2}'' \times 4\frac{1}{2}''$ ; 7-day jeweled clock; ranged minus  $62^{\circ}$  to plus  $126^{\circ}\text{F}$ . With year's supply of No. 46 Charts, and bottle of ink.

**No. 2560 Short & Mason "M. O."-Pattern Thermograph**

**\$115.50**

As used by British Meteorological Office. Copper case  $7'' \times 6\frac{1}{2}'' \times 5\frac{1}{4}''$ ; exposed lamina, for perfect circulation of air; 7-day jeweled clock; ranged over any  $75^{\circ}\text{F}$ . (chart No. 54), or minus  $62^{\circ}$  to plus  $126^{\circ}\text{F}$ . (chart No. 46). With year's supply of charts, and bottle of ink.

NOTE—No. 2560 can be supplied also, if so specified, with  $150^{\circ}\text{F}$ . or  $500^{\circ}\text{F}$ . range. In specifying range use "A" for  $75^{\circ}\text{F}$ ., "B" for  $150^{\circ}\text{F}$ ., "C" for  $500^{\circ}\text{F}$ . NO EXTRA CHARGE.

**No. 2561 Short & Mason "M. O."-Pattern Hygograph**

**\$159.50**

Used and endorsed by the British Meteorological Office. Similar to No. 2560, but with two exposed laminas, one covered with wicking and leading to a water reservoir. Each lamina is directly connected to its recording pen arm, to give wet-bulb and dry-bulb readings. With year's supply of No. 54 charts, bottle of ink, and wicks.

**Extra Charts for Short & Mason Thermographs**

|  | YEAR'S SUPPLY |
|--|---------------|
| No. 46 Charts; ranged minus $62^{\circ}$ to plus $126^{\circ}\text{F}$ . (for Nos. 2553 $\frac{1}{2}$ and 2560)..... | \$5.50        |
| No. 54 Charts; ranged for $75^{\circ}\text{F}$ ., but unfigured (for No. 2560).....                                  | 5.50          |
| Ink for any of above instruments, plain bottle.....  | .50           |
| Pens for any of above instruments, each.....   | 1.00          |



No. 2927 "Luminite" Compass

*The answer to that oft-posed question,  
"Where are we now?"*

*Boy Scouts, Girl Scouts, Hikers,  
Hunters, Motorists, Prospectors,  
Campers, Anglers—the list of users  
is endless. (No. 2927 illustrated at  
left.)*



No. 2927 Taylor "Luminite" Compass. EACH \$5.00

Deluxe grained hunter case with ornamental bow; two-tone floating dial with luminous "N" and "S" points.

No. 2927-G Same as No. 7.50

2927, except rolled gold plate case

## Taylor POCKET COMPASSES



No. 2905  
"Teleway" Compass



No. 2920  
"Lredani" Compass



No. 2921  
"Magnapole" Compass



No. 2922  
"Fluidal" Compass

Tramp with confidence in any locality. A compass is the one satisfactory means of finding direction, but only when it has the accuracy expected of it. Taylor Compasses are signposts giving magnetic direction quickly and accurately. Their needles are protected when not in use, and the cases will withstand more than ordinary usage.

|  | PER DOZ.<br>\$ 9.00 |
|--|---------------------|
| <b>No. 2905 Taylor "Telaway" Compass</b> .....   |                     |
| Blue-bronze 1½" diameter case; enameled card dial; flat needle with blued north end; jeweled cap. Twelve in a carton.                                |                     |
| <b>No. 2920 Taylor "Leedawl" Compass</b> .....   | 12.00               |
| Octagonal black bakelite 1¾" diameter case; unvarnishable aluminum dial; flat needle with blued north end; jeweled cap. Twelve in a carton.          |                     |
| <b>No. 2921 Taylor "Magnapole" Compass</b> .....   | 15.00               |
| Same as No. 2920, except with bar needle instead of flat needle, and with mahogany bakelite case.  |                     |
| <b>No. 2922 Taylor "Fludial" Compass</b> .....   | 15.00               |
| Same as No. 2920, except with floating aluminum dial instead of flat needle, and with blue bakelite case.  |                     |
| <b>No. 2925 Taylor "Latenite" Compass</b> .....  | 18.00               |
| Same as No. 2922, except with luminous compound at "N" and "S" points, and with green bakelite case.   |                     |
| <b>No. 2914 Taylor "Gydawl" Compass</b> .....  | 42.00               |
| White-metal hunter-style 1¾" diameter case; untarnishable silvered-metal dial; flat blued needle; jeweled cap; automatic stop lift. Six in a carton. |                     |
| <b>No. 2915 Taylor "Aurapole" Compass</b> .....  | 48.00               |
| Same as No. 2914, except with bar needle, instead of flat.   |                     |



No. 2914  
"Gydawl" Compass



No. 2915  
"Aurapole" Compass



No. 2917  
"Ceebynite" Compass



No. 2918  
"Usanite" Compass

|   | PER DOZ.<br>\$48.00 |
|---|---------------------|
| <b>No. 2916 Taylor "Meradial" Compass</b> .....   |                     |
| Same as No. 2914, except with floating aluminum dial, instead of flat needle.   |                     |
| <b>No. 2917 Taylor "Ceebynite" Compass</b> .....  | 54.00               |
| Same as No. 2916, except with luminous compound at "N" and "S" points.  |                     |
| <b>No. 2918 Taylor "Usanite" Compass</b> .....  | 54.00               |
| As supplied to the U. S. Army. Hunter case 1¾" diameter; bar needle; luminous compound at "N," "E," "S" and "W" points on the dial and the "N" and "S" ends of the needle. Six in a carton. |                     |



# RAIN GAUGES



*for*  
**Insurance Companies,  
Public Utilities,  
Weather Services**

For velvet-like lawns, and satisfaction in flower and vegetable gardens, knowledge of rainfall is important and at the same time most interesting.

Rainfall information is helpful also to Weather Services, Farmers, Municipal Water Supply Systems, Municipal Sewerage Systems, Insurance Companies—wherever interests are connected with land, for work, pleasure, or scientific research.

Here is a definite way of performing a community service. A recent bulletin of the U. S. Weather Bureau stated that in order to obtain data of greatest benefit to the country at large there should be a rain gauge for every quarter section, four per square mile; whereas only one for every 595 square miles is in use today.



*No. 2705 illustrated—the standard for Rain Insurance Companies.*

No. 2705 Taylor Rain Gauge . . . EACH \$12.00

Blue-enameled cylindrical case 3" diameter and 15 1/2" high, with brass rim at top and bottom and three pointed brass feet 5" long, which when forced into the ground hold the gauge upright; two graduated measuring sticks to show from .01 to 1.0 inch of rain; overflow slot to take care of rains heavier than 1.0. In felt-lined wool container.

No. 2712 Taylor U. S. Weather Bureau-Type Rain Gauge . . . EACH 17.00

Galvanized metal container 27" high, 8" inside diameter; brass receiver and brass inner container 2.53" in diameter. Graduated measuring stick, reading from .01" to 2.0" of rain. Outer case serves as overflow container, or as snow gauge when container is removed.



No. 2712



No. 2712 1/2



No. 2715

No. 2715 Taylor Glaisher's Rain Gauge . . . EACH \$ 20.00

Originally designed by Mr. James Glaisher, F. R. S. Japanned metal receiver 8" diameter, with brass rim. Receiver terminates in a curved tube, preventing evaporation of contents. Complete with metal collecting cup and graduated measuring glass reading .01 to .50 inches of rainfall.

No. 2721 Short & Mason Zero-Setting Registering Rain Gauge . . . EACH 105.00

Square 8" receiver with filling-bucket mechanism, adjusted to measure each .01 of an inch of rain; no separate measurement necessary. Dial registers one inch in 1,000ths, with a small inner dial reading to 12 inches. Japanned metal frame 10" high by 8" wide.

No. 2721-A Same as No. 2721, except copper case . . . EACH 119.00

No. 2724 1/2 Short & Mason Recording Gauge . . . EACH 176.00

Japanned metal case; 8" diameter receiver; filling-bucket mechanism tripping for every .01 of an inch of rainfall, and actuating a recording stylus that writes the amount on a time-controlled chart (24-hour No. 145, range 0 to 5" in .01" or 7-day No. 121, range 0 to 1" in .02"); complete with charts, ink, etc.

NOTE—No. 2724 1/2 will automatically return to zero and continue to record when the full amount of the chart range is reached.

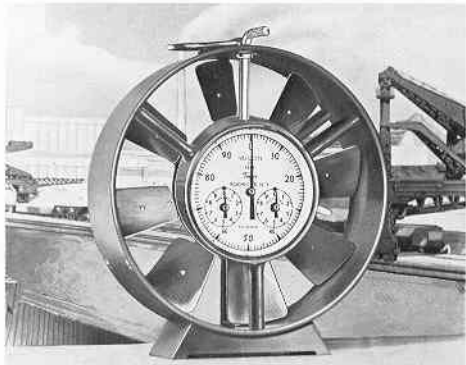
Extras for Above Rain Gauges

|  |             |
|--|-------------|
| Measuring Sticks for No. 2705 . . . . .                      | EACH \$ .20 |
| Measuring Stick for No. 2712 . . . . .                       | 1.00        |
| Graduated Measuring Glasses for Nos. 2715 and 2716 . . . . . | 5.00        |
| Ink, plain bottle . . . . .                                  | .50         |
| Ink, stoppered bottle . . . . .                              | 1.00        |
| V Pens . . . . .   | 1.00        |
|  | PER SET     |
| Charts No. 145, per 100 . . . . .                            | \$5.00      |
| Charts No. 121, per 52 (year's supply) . . . . .             | 5.00        |



No. 2721

# ANEMOMETERS



*No. 5152, illustrated.*



The [practical instrument for measurement of air speeds—particularly those of low velocity—is the vane anemometer, when of suitable design. Taylor Anemometers are standard with ventilation and air-conditioning engineers.

The instruments shown cover requirements from 36 to 10,000 feet per minute.



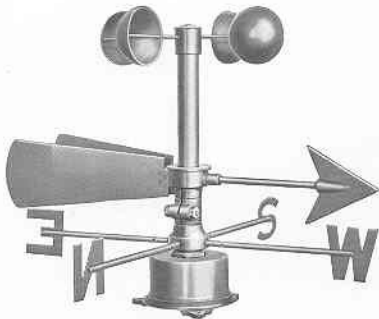
No. 5112



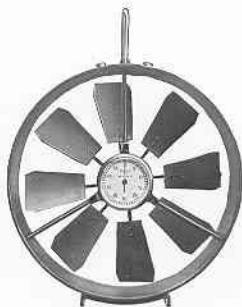
No. 5139 ✓



No. 5150



No. 3102A



No. 3111

|   | FACTS           |
|---|-----------------|
| <b>No. 3102</b> Short & Mason Electric Cup Anemometer   | <b>\$148.50</b> |
| <p>Gray enameled cast-iron body; 4-cup type; 3" cups on 4" arms; binding posts for connection to bell, buzzer, or light circuit; stands 16 inches high. A closing of the circuit is made for every 25 revolutions, and by noting time between circuits, velocity of the wind in m.p.h., can be determined from table furnished.</p> |                 |
| <b>No. 3102A</b> Same as No. 3102, except fitted with wind vane   | 205.50          |
| <b>No. 3112</b> Short & Mason Portable Airmeter   | 97.00           |
| <p>Four dials to 100,000 feet registration; 2 1/4" diameter fan; jeweled movement; disconnector and automatic zero-setting attachment; universal socket. Minimum velocity 250 feet per minute; maximum velocity 3000 feet. In leather case, with correction chart.</p>  |                 |
| <b>No. 3121</b> Same as No. 3112, except with six dials to 10,000,000 feet registration   | 97.00           |
| <b>No. 3150</b> Short & Mason Biram's Anemometer  | 89.00           |
| <p>Frame 5" diameter; two dials to 1000 feet registration; jeweled movement; disconnector and zero-setting attachment. Minimum 100 feet per minute; maximum 1000 feet per minute. With certificate, in leather carrying case.</p>   |                 |
| <b>No. 3152</b> Taylor Biram's Anemometer   | 40.00           |
| <p>With three dials reading to 10,000 feet; 4" diameter; jeweled movement; disconnector; automatic zero-setting attachment; in carrying case, with corrections for use from 200 to 3000 feet per minute.</p>  |                 |
| <b>No. 3139</b> Short & Mason Pocket Biram's Anemometer   | 125.00          |
| <p>Hinged N.P. case 2" diameter and 3/4" thick; two dial reading to 1000 feet; jeweled movement; disconnector; not zero setting; for wind velocities from 250 to 1000 feet per minute.</p>  |                 |
| <b>No. 3141</b> Short & Mason 4" Low-Reading Anemometer   | 115.50          |
| <p>One dial, reading to 50 feet; for velocities from 50 to 500 feet per minute. Jeweled movement. Complete in case, with correction chart.</p>  |                 |
| <b>No. 3150</b> Short & Mason High-Speed Anemometer   | 125.50          |
| <p>Diameter 4 1/2"; three dials reading to 200,000 feet; minimum speed 1000 feet per minute and maximum speed 10,000 feet; jeweled movement; disconnector; zero-setting attachment. In leather case with correction chart.</p>  |                 |

NOTE.—Above instruments are tested and calibrated, but are not guaranteed correct when used in temperature over 390° F.

# SHORT & MASON INSTRUMENTS

For use in reconnaissance and preliminary surveying;—  
for the Military Engineer, Explorer, Mining Engineer,  
Woodsmen and Prospector. Sturdily constructed to with-  
stand the rough usage to which they are likely to be  
subjected.



No. 297 1/2



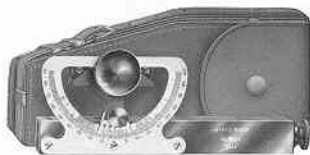
No. 297 1

No. 2974 Short & Mason Miner's Compass ..... \$55.00  
Fixed-meridian type; gilt 5"-diameter case. In morocco carrying case.

No. 2974 1/2 Short & Mason Miner's Compass ..... 44.00  
Norwegian type, with needle hung in gimballed cradle; gilt 5" diameter  
case. In morocco carrying case.

No. 3001 Short & Mason Alney Level ..... EACH \$53.00  
Black 5"-diameter case; large nickel-silver arc, with draw telescope; grade scale with vernier reading to 10 minutes. In leather sling carrying case.

No. 3001 1/2 Same as No. 3001, except with scale reading in degrees, and grade scale in percentages ..... 33.00



No. 3001

# SCIENTIFIC INSTRUMENTS

## for The Gas Engineers and Inspectors

For detecting leaks and determining pressures in mains.

No. 5405 Short & Mason Gas-Leak Indicator..... EACH \$60.50

2 1/4" diameter porous tile; 3 1/2" mahogany frame, with two valves. In soft-leather sling case.

No. 5406 Short & Mason Gas-Leak Indicator..... 66.00

2 1/2" diameter porous tile; all-metal vertical-form case; screw valves operated by rotation of lower body. In leather sling case.

No. 5409 Short & Mason Pocket Gas-Pressure Gauge..... 22.00

Nickel-plated case; 1 1/4" dial graduated 0 to 8 inches water pressure. Universal thread connection. In soft leather case.



No. 5405



No. 5409



# SUNSHINE RECORDERS

For determining the extent and duration of sunshine.

No. 5500 Short & Mason Campbell-Stokes Sunshine Recorder..... EACH \$508.00

Latest improved style. Oxidized-bronze bowl, with slots for summer, winter and equinox; adjustable for latitudes from 40° to 70°; optically-perfect sphere.

No. 5501 Charts for No. 5500..... 44.00

150 Summer Solstice; 150 Winter Solstice; 100 Equinoctial.



No. 5500

# SHORT & MASON THERMOMETERS



No. 3710

Distinctive in design—reproductions of authentic pieces, with much personal appeal. Where decorative value is a factor they are at home. Ideal for hall, library and reception rooms of clubs and hotels.



No. 3710 Short & Mason Thermometer.....

EACH  
\$5.50

Mahogany back, 8" x 13½"; engraved brass scale with decorative lettering and figuring in Daniel Quire style; plain tube filled with red liquid; temperature range 10° to 120° F. Each in card box.



No. 3712



No. 3712 Short & Mason Thermometer.....

5.50

Mahogany back, 6" x 1"; engraved brass scale with decorative lettering and figuring in Daniel Quire style; temperature range 10° to 120° F. and equivalent centigrade. Each in card box.

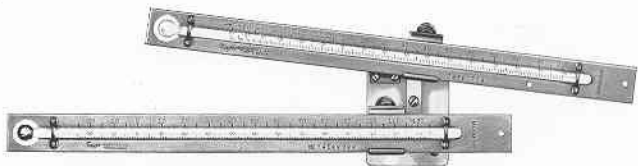


No. 3715

No. 3715 Same as No. 3712, except with pedestal. Each in card box.....

6.50

# WEATHER BUREAU THERMOMETERS



*Illustration shows the No. 5516 1/2 Taylor Maximum and Minimum Weather Bureau Set on Townsend Support in position for reading.*



Meteorology and weather observation require a means of accurately determining free air temperatures. Taylor Weather-Bureau Pattern maximum, minimum, and air thermometers make this possible.

Designed to government specifications, they suit the most exacting requirements.

The Taylor Townsend Support enables the thermometers to be properly exposed and handily manipulated for resetting.

|  | EACH           |
|--|----------------|
| <b>No. 5516 1/2</b> Taylor Maximum-and-Minimum Weather-Bureau Set .....  | <b>\$24.00</b> |
| <i>Set consists of one Taylor Maximum Thermometer No. 5516 and one Taylor Minimum Thermometer No. 5520, with Townsend Metal Support No. 5519.</i>  |                |
| <b>No. 5518</b> Taylor Maximum Registering Thermometer, Weather-Bureau Pattern .....   | <b>8.00</b>    |
| <i>Tube is mercury filled, range 20° to 120°F., graduated in 1° divisions, mounted on aluminum scale. Made in accordance with U. S. Weather Bureau specifications. Each in a box, with certificate.</i>  |                |
| <b>No. 5520</b> Taylor Minimum Thermometer, Weather-Bureau Pattern .....   | <b>8.00</b>    |
| <i>The plain-front tube is spirit-filled, range 20° to 60° below zero to 120°F., graduated in 1° divisions, mounted on aluminum scale. Made in accordance with U. S. Weather Bureau specifications. Each in a box, with certificate.</i>   |                |
| <b>No. 5519</b> Taylor Townsend Support .....  | <b>8.00</b>    |
| <i>Brass plate with two studs of unequal height having carriers and locking screws for thermometers. The taller support rotates freely, to permit setting of the maximum thermometer after reading. The shorter support makes a quarter turn, to enable the minimum thermometer to be set. Each in a box.</i>  |                |
| <b>No. 5524</b> Taylor Weather-Bureau Thermometer .....  | <b>8.00</b>    |
| <i>Engraved mercury-filled plain-front tube, graduated in single degrees, with cylindrical bulb, mounted on 9/16-inch aluminum scale on which are marked every five-degree line of the scale, and the figures every ten degrees; temperature range 10° to 40°F. below zero to about 120° above. Brass insulating supports and binding screws. Each in box, with certificate.</i> |                |



**Taylor****MERCURIAL BAROMETERS**

for  
The Laboratory, Observatory, School and Home



No. 1322

No. 6180 Taylor Observatory-Type Mercurial Barometer..... EACH \$150.00

Black-oxidized frame 39 inches long; Fortin-type improved cistern; silvered scales with black-filled figures, protected by glass cover; scale range 26 to 31 inches; inch-and-metric scale with double vernier reading to 0.01 inch and 0.1 mm. No panel with this instrument.

No. 6180-G Same as No. 6180, except on mahogany-finished panel 4" x 44", and with brackets for mounting..... 163.50

Nos. 6180 and 6180-G, for High Altitudes.

ADD TO LIST

"A" For altitudes to 6000 feet (range 23.5 to 32.5 inches and 595 to 825 mm)..... \$ 7.00

"B" For altitudes to 8000 feet (range 20.5 to 32.5 inches and 520 to 825 mm)..... 11.00

NOTE—The scales on above instruments are so adjusted that the correction for capillary effect is made automatically, therefore the user should not make this correction.



No. 1322 Taylor Sling Psychrometer—Standard Model..... EACH \$15.00

Two 12" etched-stem thermometers (range 0 to 100° F.) on cast-aluminum back; with polished-brass handle. Complete with copper protecting case.



No. 6180G



## Weather Series for the Amateur

By P. R. JAMESON, F. R. Met. Soc., F. R. G. S.

- |  |   |   |   |
|--|---|---|---|
| <p>"Practical Hints for Amateur Weather Forecasters"<br/>Thirty-two pages, illustrated, of information on the uses and exposures of barometers, how to set for sea level, effect of temperature on the weather, etc.</p>                           | <p>NET<br/>PER 100<br/><b>\$10.00</b></p> | <p>"The Barometer as the Foot-Rule of the Air"<br/>Twenty-four pages, illustrated. An elementary book for describing the operation of the barometer. The correct method of using barometers to measure heights, corrections necessary for absolute readings, and the use of the vernier, are simply described.</p>  | <p>NET<br/>PER 100<br/><b>\$10.00</b></p> |
| <p>"Humidity, Its Effect on Our Health and Comfort"<br/>Twenty-five pages, illustrated, on matters concerning the necessity of correcting present-day health and moisture conditions from the standpoint of health and comfort.</p>                | <p>10.00</p>                              | <p>"The Compass, the Signpost of the World"<br/>Twenty-four pages, illustrated. History of the compass, its invention and use, clearly given. A map giving declination of the compass for all parts of the United States is included.</p>   | <p>10.00</p>                              |
| <p>"The Mountains of Cloudland and Rainfall"<br/>Twenty-four pages, illustrated with different types of clouds and ancient and modern rain gauges. Rainfall is dealt with in a very concise manner.</p>  | <p>10.00</p>                              | <p>"Weather and Weather Instruments"<br/>Most books on this subject are so scientific that they are "beyond" the ordinary layman. "Weather" is a summary of the information contained in the six books described above. It covers the subject of weather in sufficient detail for the layman. Hand-somely bound in imitation leather, lettered in gold.</p> | <p>EACH<br/>NET<br/><b>\$ .75</b></p>     |
| <p>"The Thermometer and Its Family Tree"<br/>Twenty-four pages, illustrated with thermometers from the time of their invention to the present day. The history of the birth and development of this instrument is described in plain language.</p> | <p>10.00</p>                              |   |   |



No. 4052

## Weather Instruction Charts and Climatological Registers

To assist the novice in making reliable and dependable forecasts, and the experienced amateur in keeping his records of climatological readings.



No. 4051

No. 4051 Taylor Instruction Chart..... \$ .75

With movable pointer. Size  
5 1/2" x 5 1/2"

No. 4052 Taylor Meteorological Register Pad 1.00

For keeping climatological record for a year, by months.

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