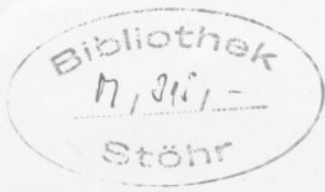




Swift & Anderson

INSTRUMENTS OF DISTINCTION





SWIFT & ANDERSON . . .

952 DORCHESTER AVENUE
BOSTON 25, MASSACHUSETTS

HYGROMETERS • BAROMETERS • THERMOMETERS • CLOCKS •

CATALOG No. 50

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SWIFT & ANDERSON, INC.



**HOME OF THE
FINEST PRECISION
INSTRUMENTS**

READERS • MAGNIFIERS • BINOCULARS • FIELD GLASSES

What you should know about

BAROMETERS A barometer is an instrument for registering atmospheric pressure. By atmospheric pressure, we mean the weight of the atmosphere or the air about us in pounds per square inch. This amounts to approximately 14.7 lbs. at sea level. We don't feel this pressure any more than a fish feels water pressure because they and we are quite used to our respective pressures. But it exists, nevertheless, and since changes in atmospheric pressure are an excellent index as to what the weather is going to be twelve to twenty-four hours ahead, a barometer, since it registers changes in this atmospheric pressure, is a marvelous forecaster of coming weather conditions.

S&A barometers are of the Aneroid type but the dial is calibrated in inches of mercury which, in turn, is taken from the old mercurial barometer. Thus the figures 28, 29, 30 and 31 on your dial equal inches of mercury (a measurement of pressure). The figures in between are tenths of an inch of mercury. Thus, if the black indicating hand is four spaces to the right of 30, the reading is 30.4 of an inch at the time.

Don't put too much importance on the words "Hurricane," "Stormy," "Change" or "Fair." These only give the approximate point where these conditions prevail. Instead, observe whether the black indicating hand is moving to the right, a rising barometer, or whether it is moving to the left, a falling barometer. Such observation is facilitated by using the red marking hand. Place the red marking hand over the black indicating hand each morning and night, noting the distance and direction the indicating hand has moved since the last setting. Before touching the knob on the marking hand, tap the glass, since any slight lag in the indicating hand will be removed by so doing. If the indicating hand has moved to the right, this is known as a rising barometer forecasting good weather or continued good weather for twelve to twenty-four hours ahead; if to the left, it is known as a falling barometer, and forecasts bad weather or continuing bad weather for twelve to twenty-four hours ahead.

Particularly note that a barometer does not indicate present weather. Rather it indicates conditions that will obtain twelve to twenty-four hours ahead.

In forecasting, a slight difference in the reading between your barometer and the weather bureau reading is unimportant. Speed and direction of the black indicating

BAROMETERS • HYGROMETERS • THERMOMETERS

hand which records varying atmospheric pressure is your guide. Such a difference, however, may be caused by the fact that your barometer is not properly adjusted for your altitude above sea level. Since atmospheric pressure decreases the higher you are above sea level, compensation has to be made for this difference in atmospheric pressure. This is very simply done by calling your weather bureau or air port and getting the correct sea level reading for that moment. Then by manipulating the small screw in the back of your barometer, adjust your barometer to that setting.

Don't expect your barometer hand to go round like a clock. Normal movement is between 29.5 and 30.5 inches. Learn to observe the action of your barometer and correlate this with wind direction. The weather bureau is by no means infallible. You will be surprised at how many times you can better the experts. Plan your golf, your fishing, your shopping intelligently with the help of an S&A barometer.

HYGROMETERS A hygrometer is an instrument for measuring the amount of moisture in the air; that is, the percentage of relative humidity.

The dial is calibrated in percentages from 1 to 100. Air, like a great sponge, has the property of holding a certain amount of moisture. When air is laden with a great deal of moisture, it is known as humid and when laden with relatively little moisture, as dry. Thus, if the air in a room contains one-half of the amount of moisture that it could hold at a given temperature we call that 50% relative humidity.

THERMOMETERS S&A thermometers are the acme of the direct-reading dial type. They are extremely accurate and sensitive to temperature changes and are backed by 75 years of specialized experience in the manufacture of this type of instrument.

Unsurpassed FOR DESIGN



THE *Regent* COMBINATION

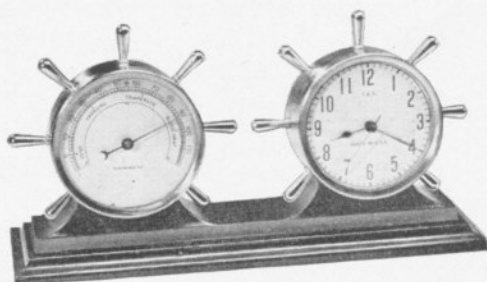
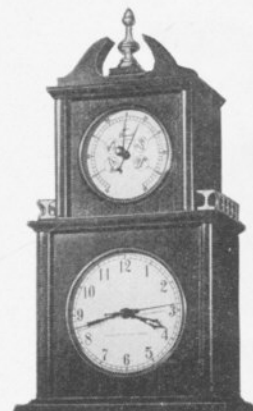
A collector's item based on authentic colonial designs. The frame is hand-rubbed solid mahogany, complemented by the gleaming finial and bezels of solid brass which are lacquered for lasting lustre. The S&A precision barometer movement is compensated and adjustable. The barometer dial and scale is frosted with black etched raised figures. 3 point test thermometer.

29½" Over-all. 6" Barometer Dial, compensated movement. Shipping Weight: 2½ lbs. Individually boxed.

The Bedford

A distinguished clock and barometer combination embodying all the artistic enthusiasm and craftsmanship of early America. Contains synchronized self-starting electric clock with sweep second hand, and precision barometer with simplified adjustment for altitudes above sea level. No equal in the price field.

6¼" wide, 9" high, 3½" deep
Shipping Weight: 3¼ lbs.
110 V. A.C. 60 cycle

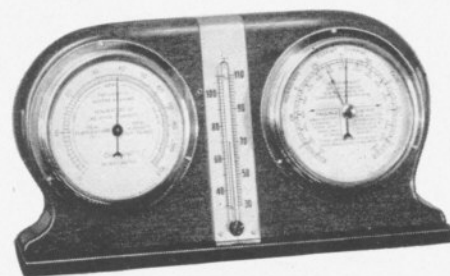


S&A CHATHAM THERMOMETER CLOCK S&A YARMOUTH BAROMETER CLOCK

Distinctively new . . . a clock and thermometer or barometer combination in nautical style, making a majestic mantel or desk accessory. Richly finished in brushed brass complemented by a genuine hand rubbed mahogany base. The port side wheel contains an extremely accurate thermometer or barometer while the starboard contains a synchronized self starting electric clock, 3" frosted finish dial and a sweep second hand. Movement is a 60 cycle 110 volt silent operating motor.

9¾" long 5" high

Shipping wt. 2 lbs.



S&A IMPERIAL BAROMETER, THERMOMETER, HYGROMETER

For the executive suite, a lasting gift . . . the graceful, flowing lines of the Imperial weather set with gleaming hand-rubbed mahogany finish and ship's brass bezels mark an instrument of great beauty and usefulness. The barometer predicts the weather, the thermometer keeps you constantly informed of the room temperature while the hygrometer indicates the amount of moisture in the air. Designed for desk, table or mantel use. Decorative and extremely useful, it is mounted on a heavy black base.

Height: 5" Length: 9¼"

Shipping Weight: 2 lb. 8 oz.

Individually boxed

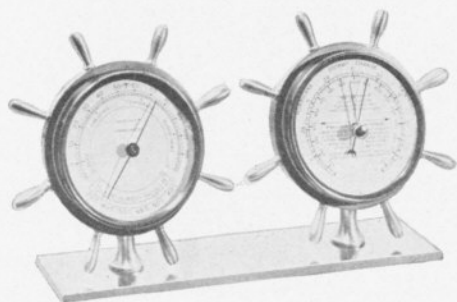
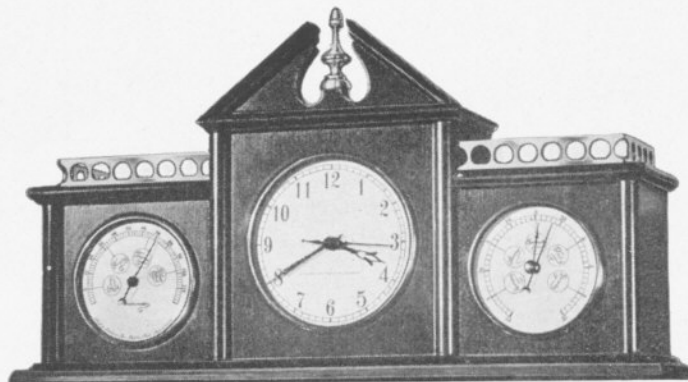


PRESENTING

The Lexington

A superb clock, barometer, thermometer combination that will be cherished as a fine family heirloom. The instruments are deftly set in hand-rubbed solid mahogany cabinet with contrasting brass trim. The clock is a synchronized, self starting time piece. The barometer and thermometer are both outstanding precision instruments.

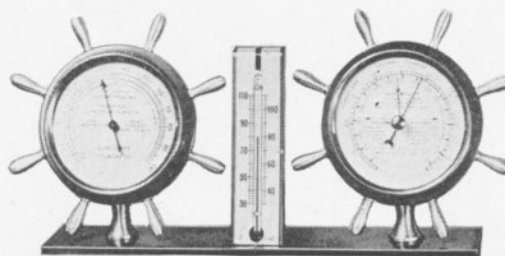
14 1/2" long, 6 1/2" high, 3 1/2" deep
Shipping Weight: 4 1/2 lbs.



S&A DUAL

Style-marked with distinction . . . for those desiring a barometer and thermometer in a decorator-finish case for desk, table or mantel, we recommend the Dual. This beautiful adaptation of the ship wheel motif is finished in satiny statuary bronze with the perfect contrast of brilliant brass spokes, bezels and uprights. The precision barometer forecasts the weather; the thermometer gives you a constant check on your room temperature.

Length: 10" Height: 5 1/2"
Shipping Weight: 2 lb. 14 oz. Individually boxed



S&A TRIOMETER BAROMETER,
THERMOMETER, HYGROMETER

The accent's on the captivating lines of the old ship's wheel. Sparkling brass spokes, bezels and uprights form a brilliant contrast to the lustrous dignity of the cups, rings and base finished in decorator finish statuary bronze. The Triometer is equally graceful on table, mantel or desk and combines three extremely useful instruments. The barometer predicts weather 12 to 24 hours ahead, and the thermometer and hygrometer give you both temperature and humidity—knowledge essential to the maintenance of healthful conditions in the home or office.

Height: 5 3/8" Length: 11"
Shipping Weight: 3 lb. 12 oz. Individually boxed

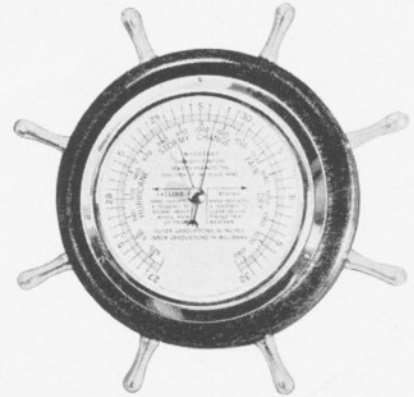
Instruments



S&A PILOT

A barometer whose very lines suggest the sea. A dream-lined barometer with precision movement contained in a round brass case with the added decoration of correctly proportioned brass spokes. The lustrous finish is protected indefinitely by a special long-lasting clear lacquer. Simplified adjustment for altitude when barometer is used above sea level.

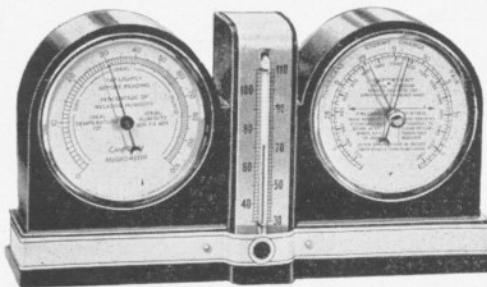
Over-all: 7½" Shipping Weight: 18 oz. Individually boxed



S&A CRUISER

A sparkling combination of rich, hand-rubbed mahogany and correctly proportioned ship's brass spokes. The precision barometer has simplified adjustment for altitude. Large 4" white frosted dial is charted to simplify weather forecasting. A truly ornamental yet extremely useful instrument.

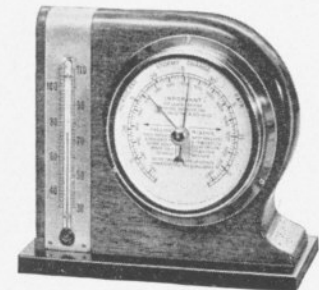
Over-all: 8" Shipping Weight: 24 oz. Individually boxed



S&A EMPIRE

Refreshingly different, the luxurious gleaming black bakelite with contrasting white frosted trim of the Empire presents a truly distinctive instrument in the modern manner. Its combination of three instruments predict the weather and keep you constantly informed of the temperature and humidity. The Empire not only adds a touch of distinguished modernity, but is extremely useful. It is equally at home on desk or table.

Height: 4½" Width: 8½"
Shipping Weight: 2 lb., 2 oz. Individually boxed



S&A BAROTHERMO

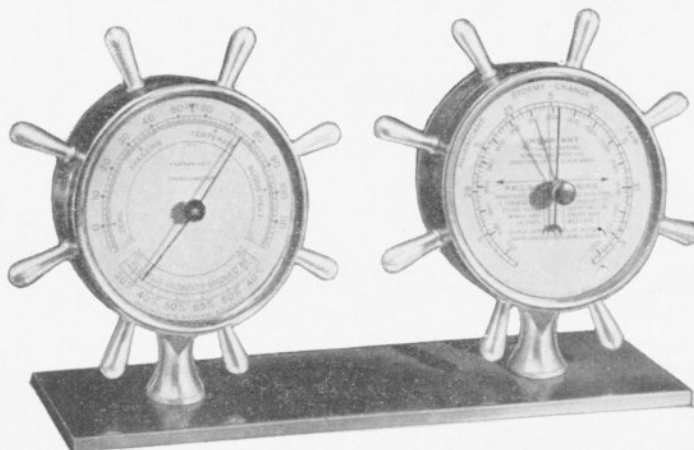
The luxury of hand rubbed mahogany, sparkling brass bezel, white frosted dial and scale, graceful lines—all combine to form an instrument of not only considerable originality and beauty but also of great usefulness. The case contains a barometer which forecasts the weather and a very accurate thermometer for room temperature. The heavy black base adds stability and character. A model particularly suitable for table or desk.

Height: 5" Width: 5½"
Shipping Weight: 18½ oz. Individually boxed



The Twin Ship Wheel

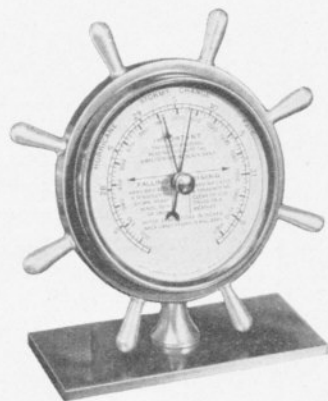
An outstanding stylized version of the ship wheel design in polished brass, protected indefinitely by a special clear lacquer. This outstanding value in a weather instrument predicts the weather and gives you a constant check on room temperature. Especially suited to the executive's desk—whether at the office, or in the den.



Height: 5 1/4" Length: 8 1/2"

Shipping Weight: 31 oz.

Individually boxed



S&A SINGLE SHIP WHEEL

Every line is true to the original and exquisitely executed in solid ship's brass and lustrous statuary bronze. An exceptionally dignified model that's "at home" in any setting. The precision barometer movement has simplified adjustment for altitude.

Height: 5" Width: 5"

Shipping Weight: 18 oz.

Individually boxed



S&A ANCHOR

Exclusively S&A, this slick looking, beautifully proportioned barometer is made from solid ship's brass preserved by a clear, durable lacquer. The cross bar may be adjusted for table or for hanging. Simple adjustment for altitude.

Height: 6 1/4" Width: 4 3/4"

Shipping Weight: 20 ozs.

Individually boxed

THE *Hallmark* OF QUALITY



S&A YACHT

A beauty . . . the very essence of dependability and usefulness. The Yacht barometer can be removed from the bulkhead of a boat when the boat is put up for winter and remounted on plaque for home use. The barometer is a precision movement with simplified adjustment for altitude—the 3" frosted dial is charted for ease of reading. The solid ship's brass case may be had in natural brass or chrome finish.

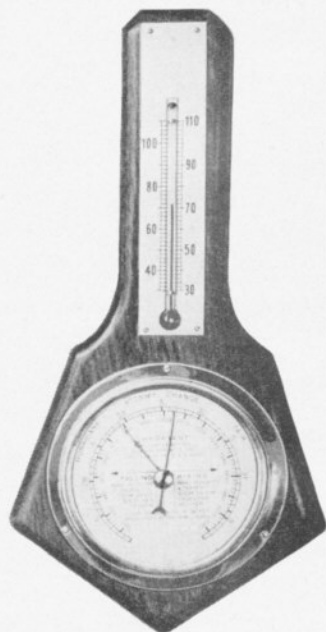
Overall: 5" Shipping Weight: 20 ozs. Individually boxed



S&A BAROM

A dignified and accurate wall type, based on the old fashioned round wood case popular for generations. The case with satiny hand-rubbed mahogany finish contains large 4" charted dial for ease of reading. Precision barometer movement has simplified adjustment for altitude. This instrument cannot be equalled in its price field.

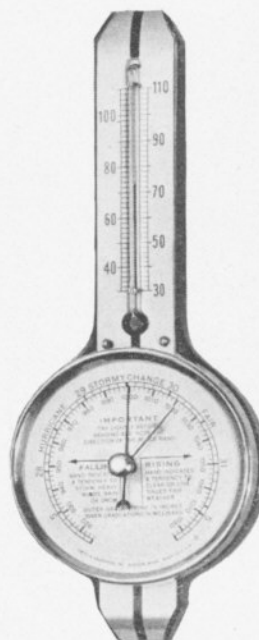
Over-all 5 3/4" Shipping Weight: 14 oz. Individually boxed



S&A VERNON

Modern in design, but with a touch of the traditional that blends perfectly with any surroundings. The Vernon has a satin-smooth, hand rubbed mahogany finish contrasted with the gleaming brass of the barometer and the white frosted scale of the thermometer. An extremely accurate and useful weather set.

Length: 10" Width: 4 3/4"
Shipping Weight: 18 oz.
Individually boxed



S&A PEND

Strikingly beautiful, decorative, practical . . . the Pend keeps you up to date on what the weather will be 12 to 24 hours ahead and indicates the room temperature. A wall model of "ebony black" bakelite contrasted with white frosted trim, dial and chromium bezel.

Height: 8 1/2" Width: 3 1/4"
Shipping Weight: 10 oz.
Individually boxed

INSTRUMENTS FOR A GENERATION



The Weatherman

S&A BAROMETER

Another S&A outstanding value in a wall model with brass case. The simplicity and charm of the Weatherman makes it adaptable to most any room interior. The brilliant finish of the case is protected indefinitely by a clear long-lasting lacquer.

Shipping Weight: 15 oz. Over-all: 5 1/4" Individually boxed



DELUXE OUTDOOR

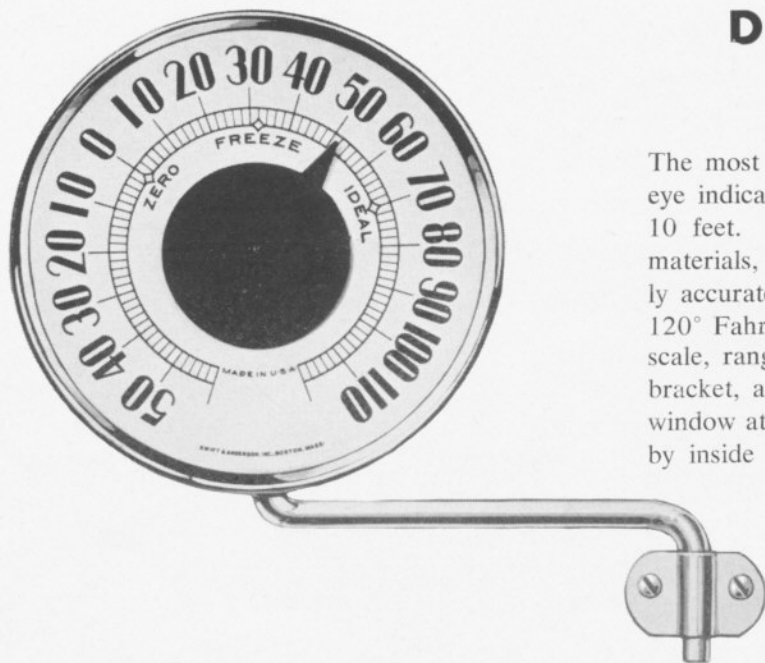
S&A THERMOMETER

The most popular thermometer known. Scarlet bull's eye indicator affords easy reading up to a distance of 10 feet. Ruggedly constructed of the most durable materials, it is designed to last a lifetime. It is extremely accurate over its entire range of minus 50° to plus 120° Fahrenheit. (We also supply it in the centigrade scale, range minus 50° to plus 50°.) Equipped with bracket, arm and screws, it can be mounted outside a window at a sufficient distance so that it is not affected by inside temperature. Large 4" dial.

Shipping Weight: 11 oz.

Over-all: 4 1/2"

Individually boxed

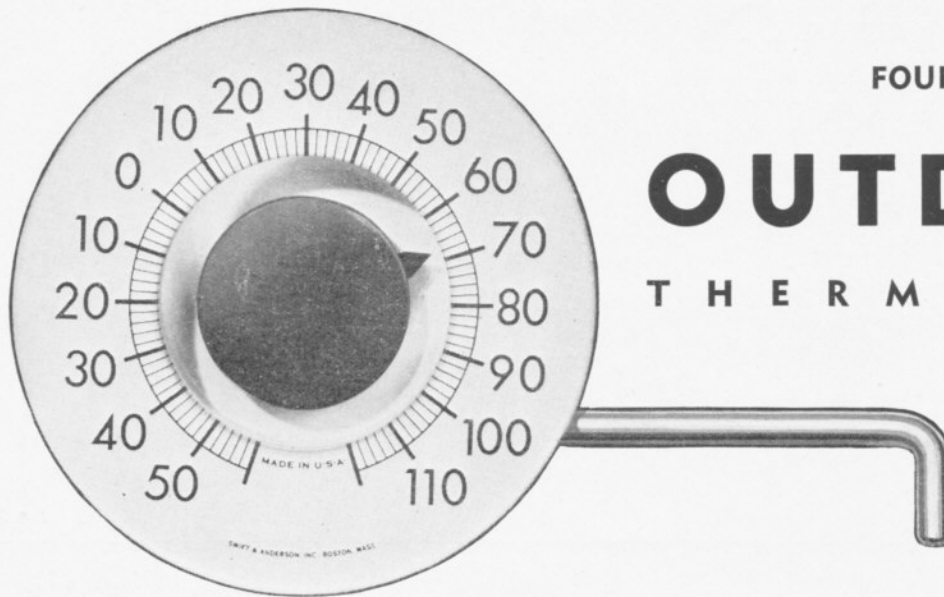


The Target

FOUR INCH

OUTDOOR

T H E R M O M E T E R



AVAILABLE OCTOBER 15th

Another S&A exclusive incorporating the outstanding features and accuracy of the deluxe Bulls-eye model but priced low enough for the average home owner to own two or three.

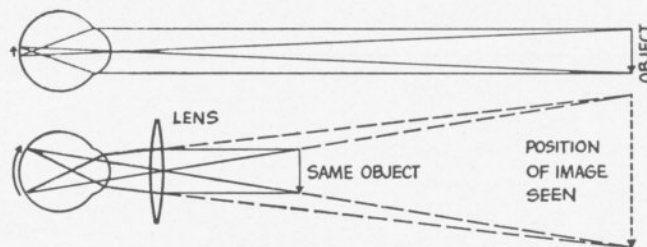
The Target has a white 4 inch etched dial with special raised black lettering visible at considerable distance. The unit is all metal construction and of the non-ferrous type designed to withstand all weather conditions. Non-breakable plastic crystal with red center. Arm and bracket are included for easy mounting outside the window.

Questions and Answers on

READERS AND MAGNIFIERS

The selection of a magnifier for any special use should be made on the basis of several factors—powers of magnification, field of view, working distance, etc. Following are commonly-asked questions regarding magnifiers. Careful study of the answers should assist in making most suitable choice of a magnifier for your use.

How does a magnifier work? If your eyes are normal, you see an object most clearly and with least effort, at a distance of about ten inches. By interposing a magnifier lens between the eye and the object, you make it possible to bring the object closer to the eye. The lens bends the light rays coming from the object so that the eye can focus them easily, and you see the object as though it were at the normal viewing distance but larger. However, when using a reading glass, the object is not moved closer to the eye. It is seen magnified as it would appear if brought closer, were the eye able to accommodate for the shorter distance.



What is a corrected magnifier? Simple lenses are subject to several aberrations—spherical aberration, which causes rays through the center of the lens to focus at a different point from those coming through near the edge; chromatic aberration, which causes color fringes on the image; astigmatism; coma; curvature of field, and others. In low power magnifiers these deficiencies are usually not serious. But where flatness of field, center-to-edge sharpness, and color-free images are desired, the more complicated optical systems of doublets, aplanats, and achromatic combinations are well justified.

What is the highest power magnifier which I can purchase? The highest practical power for a magnifier consisting of a single lens, simple or achromatic construction, is 20 times. Beyond this a compound microscope should be used to increase working distance and avoid distortion.

What would be the extra cost of a special magnifier? The magnifiers listed in this catalog are all made in large quantities. If only a single one were made, the price would be from five to ten times as much, sometimes more. This is true of a special magnifier unless made in quantity. If you can, choose a magnifier from this catalog, but if none fits your needs, write us.

Can a large diameter magnifier have 10 or 20 power? No, the higher the power the smaller must be the lens. To increase the power, the curvatures of the surfaces must be made sharper. This, of course, means a smaller lens. We grind our magnifier lenses with the greatest possible diameter for a given curvature, consistent with good results.

Can I get a high power magnifier which can be placed three feet away from the object? No. The higher the power, the closer the lens must be to the object. A single 20x lens must be held within one-half inch of the object, and a 5 power lens less than two inches from the object.

Can I get a magnifier of high power to examine rapidly moving objects? It must be remembered that a magnifier magnifies speed as well as size.

Does a 7x magnifier always magnify 7 times? A 7x Magnifier, when held close to the eye, and focused, will magnify an object to 7 times the size it would appear seen at ten inches from the eye without the magnifier. However, in the case of readers, the distance from the eye to the lens and from the lens to the object varies widely from person to person because of individual differences and as a matter of convenience. Therefore no simple formula can be given for determining magnification for readers.

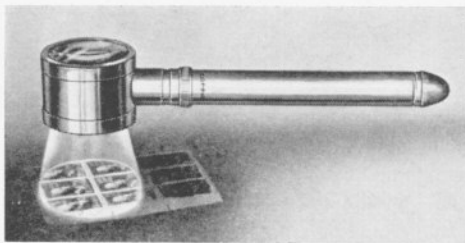
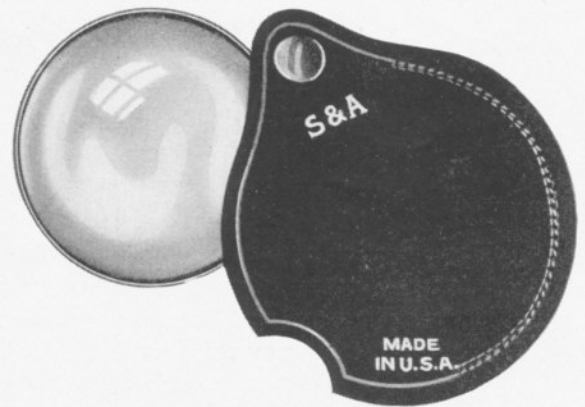
How should I hold a magnifier for use? A magnifier should always be held close to the eye with the lens surface parallel to the object. The magnifier is focused by bringing the object toward the magnifier, or by moving both magnifier and the head toward the object, if the object is too large to move.

Article and cut courtesy Bausch & Lomb, Rochester, N. Y.

Quality Materials

S&A 45 mm. POCKET MAGNIFIER

A popular and useful style for the engineer scientist and hobbyist. Highly polished lens is protected in a top grain leather case for convenient carrying. Magnifies 3 diameters. 3 x 45 mm. diameter. 12 diopters, 3½" focus. A guaranteed glass as are all S&A products.



S&A RADIANT MAGNIFIER

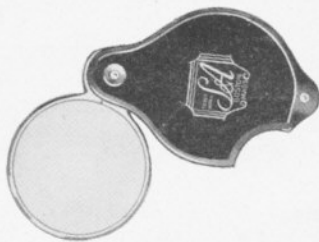
A self illuminating glass containing two highly polished lenses that give a magnification of 6 diameters with a relatively wide field. Perfect for examining stamps, signatures, fingerprints, etc. 6x, 24 diopters, 1¼" focus. Light takes standard pen light cells.



S&A SE-ALL FIREFLY

Particularly adapted to examination of precious stones, machine tool edges, castings, etc., with day light bulb illuminating feature. A combination of two highly polished lenses in screw mount, infinitely adjustable. Two models 7x and 10x. 7x, 32 diopters, 10x, 40 diopters. Light takes standard pen light cells.

S&A 27 mm. POCKET MAGNIFIER



Just the glass for the traveling technician, hobbyist or the multitude of uses in the home. A compact magnifier with black protective plastic case, perfectly polished 4 power objective lens of 16 diopters and 2½" focus.

S&A 32 mm. POCKET MAGNIFIER

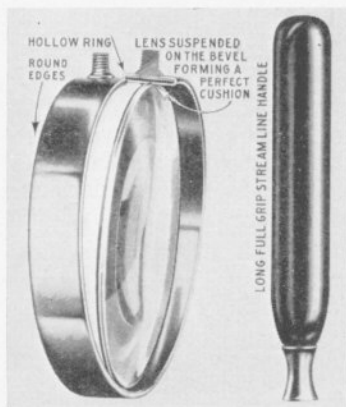
An all-round precision ground glass of 3½ power, 13 diopters and 3" focus. Glass is protected from scratches and chipping by neat frame and black plastic case.



S&A THREE-INCH REDUCING GLASS

Indispensable to photo engravers, artists, advertising men . . . saves costly errors in judgment. Same rugged construction as straight handle reader which includes the famous SPRING CUSHION RIM, large 4½" handle, precision ground lens.

Proven Designs



S&A STRAIGHT HANDLE READER

Size	Power	Focus
2"	8 Diopters	5"
2½"	6½ "	6"
3"	5½ "	7"
3½"	5 "	8"
4"	4 "	10"
4½"	3½ "	11"

See Price List for Reader Assortments with display

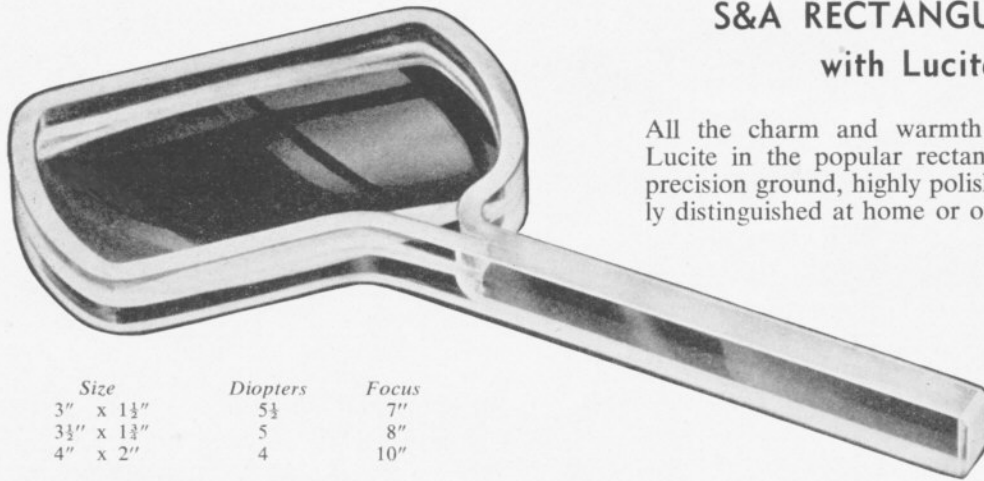
With the famous SPRING CUSHION RIM . . . An S&A exclusive design. Ordinary reader construction consists of a solid band of metal around the lens which does not allow room for expansion and contraction of the lens. Thus the lens chips at a pressure point or becomes loose in the frame. Not so, with the famous SPRING CUSHION RIM. Note the cross section illustration of this rim. The lens is literally cushioned in a manner that eliminates chips and holds the lens always firm. Note also our handles. They are light but tough with special finish.



S&A FIREFLY READER

Directs a beam of light directly on the object being viewed. The Firefly both magnifies and illuminates. Perfect for reading telephone books, road maps, charts and any other media employing fine print. Highly polished lens set in brass and chrome SPRING CUSHION RIM. Light takes standard pen light cells. 3½" lens, 5 diopters, 8" focus.

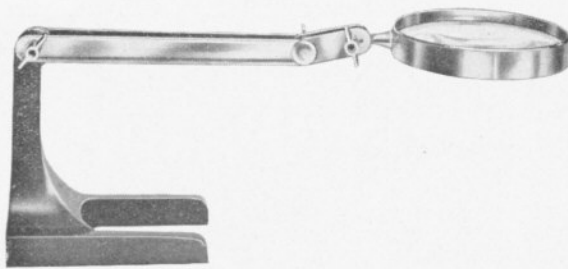
Unsurpassed OPTICS



S&A RECTANGULAR READER with Lucite Frame

All the charm and warmth of beautiful transparent Lucite in the popular rectangular shape. Same S&A precision ground, highly polished lens. A reader equally distinguished at home or office.

Size	Diopters	Focus
3" x 1½"	5½	7"
3½" x 1¾"	5	8"
4" x 2"	4	10"



S&A CRANE MAGNIFIER

This fine instrument has a heavy cast base with black crackle finish which firmly supports lenses up to 4½" in diameter. Long arms enable the lens to be adjusted at any desirable angle or distance from the bench.

Size	Diopters	Focus
3½"	5	8"
4"	4	10"



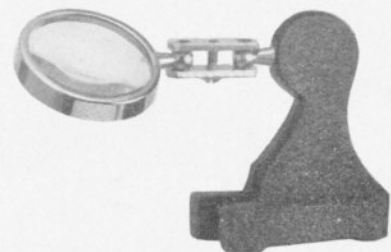
S&A STAND MAGNIFIER

Provides a lens combining good field and power supported by a heavy cast base. Perfect for fly tying, model building, jewelers, laboratories, engineers, etc. Lens infinitely adjustable. 2½ x, 10 diopters, 4" focus, 2½" diameter.



S&A TRIPOD MAGNIFIER

A perfect desk or bench instrument for fine work of all types. Both hands remain free for manipulation of instruments. Especially suited to dissection, fine assembly, examination of stamps and mineral specimens. Highly polished precision lenses. 1" diameter, 7.5x.



S&A UNIVERSAL MAGNIFIER

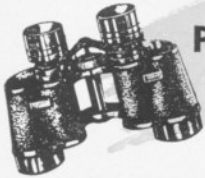
Perfect for close work, where two hands are needed. Unlimited industrial uses. An exceptional value combining lens of 3x with a diameter of 1½". 3x, 12 diopters, 3½" focus.

A word about



BINOCULARS • FIELD GLASSES • TELESCOPES

They all perform the same purposes; namely, to bring an object closer—that is to magnify it. But each has its special purposes and it is the purpose of this article to explain how each can best be used.



PRISMATIC BINOCULARS Any optical instrument which provides an eye piece for each eye can be called a binocular since this literally means "two eyes." It is customary, however, to refer to a binocular as an instrument containing prisms. By prisms we mean small double mirrors which are placed inside the instrument to maintain the optical distance but shorten the physical distance between the ocular and objective lenses. Since binoculars are 6 to 12 power or more, they would be very unwieldy unless this device were employed. Prisms make possible higher powers and greater compactness.

This type of construction also enables greater separation of the objective lenses, which increases the depth of perception and also makes possible the use of larger lenses.

Binoculars are especially suitable for all medium and long-range work such as long-range horse racing, hunting, spotting, etc. For marine use, we recommend a 6X or 7X glass; for general all-around work, we recommend an 8X.



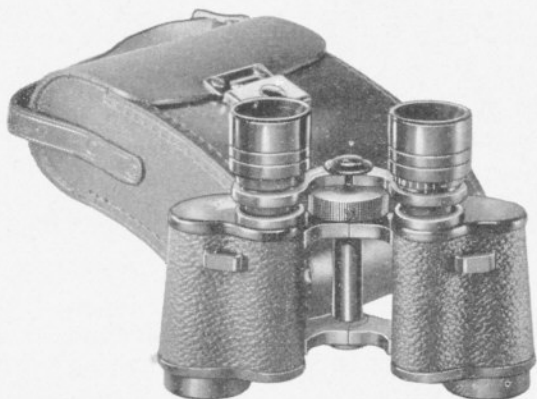
FIELD GLASS A field glass consists of two small joined telescopes with a central focusing arrangement thus providing an eye piece for each eye. In other words, the image goes through in a direct line from the objective or larger lens to the ocular or smaller lens. Field glasses range in power from two to six but the majority range from 2.5 to 5 power. Field glasses provide a very sharp, clear image and are especially adapted to short range work. If you are attending the opera, theatre and indoor sports, such as boxing, etc., we recommend a relatively low power glass of 2 or 2.5 power. For watching football or baseball games, horse races and bird watching, we recommend about a four power field glass. A six power field glass is a special item not generally recommended because it is rather cumbersome. In short, for any combination where good definition is important at relatively short ranges, a field glass is the answer.



TELESCOPES Generally speaking, a telescope consists of one or more tubes which slide inside of each other and range in power from approximately five times up to those very long and very powerful units used for observing the moon, the stars, and other very distant objects. The types handled by this firm, range in power from five to forty times and are generally used for terrestrial observation. The small Ranger Telescope, pocket size, is good for all short range work, whereas the Argus Spotting Scope and the Wollensak Vari Power, etc. are good for very long range work, target spotting, etc.

Outstanding Values

IN CLARITY •



S&A TROUVILLE

The TROUVILLE 8 x 25 is an unusually compact binocular, with the last word in high-grade achromatic optics. Light weight and easily handled. It has great light power and fine definition. It comes complete with case of American manufacture. Weight 15½ ozs. Relative brightness 11. Field of view 110 yards at 1000 yards. Shipping weight 16 ozs.



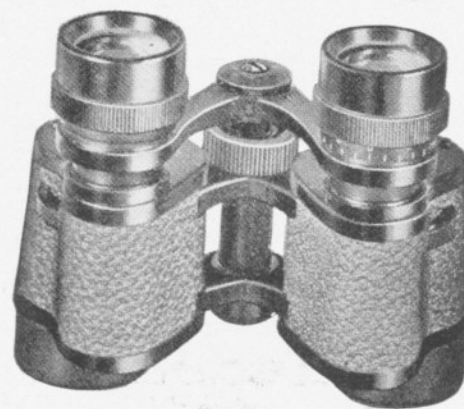
S&A NAVIGATOR

The new S&A NAVIGATOR 10 Power, 32 mm. Binocular is an unusually compact, precision instrument especially adapted for use over long distances. The lenses are of the highest quality and fully achromatic. The glass itself is beautifully finished and comes equipped with a high-grade leather case. Weight: 22 ounces. Relative brightness: 9. Field of view: 115 yards at 1000 yards. Shipping weight 22 ozs.



S&A ASCOT

The ASCOT 8 x 32mm. Binocular is a compact bulldog model binocular with wide angle lenses of the highest quality, fully achromatic. Beautifully finished, it is complete with a tan sports case. Weight: 21 ounces. Relative brightness: 15. Field of view: 140 yards at 1000 yards.



S&A NIGHTHAWK

The NIGHTHAWK 7 x 24 mm. is small and compact, weight only 11 oz. For the traveler, naturalist and bird lover. With universal focal range for near or distant objects. Relative brightness: 14. Field of view 135 yards at 1000 yards. With leather sports case.

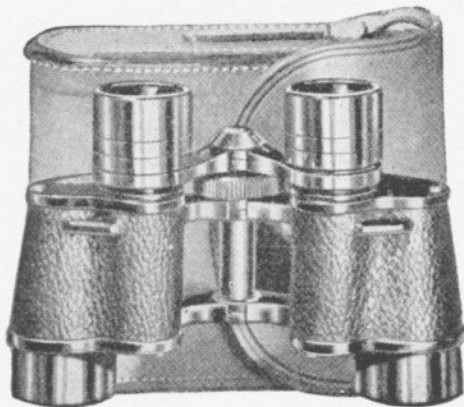
RUGGEDNESS • BEAUTY OF DESIGN



Grand Prix

The GRAND PRIX 8 x 30 Prismatic Binocular is well-known for its remarkable value and precision quality of achromatic optics, finish and workmanship. Equipped with case. Weight 19 ozs. Relative brightness 14. Field of view 120 yards at 1000 yards.

The GRAND PRIX 6 x 30 Prismatic Binocular is a new importation to fill the many requests for a top quality, yet reasonably priced 6x binocular. Especially recommended for marine use. Same design as 8x Grand Prix but with 6x lenses. Complete with case. Field of view 145 yards at 1000 yards. Shipping weight 20 ozs. Relative brightness 18.



S&A NEWPORT

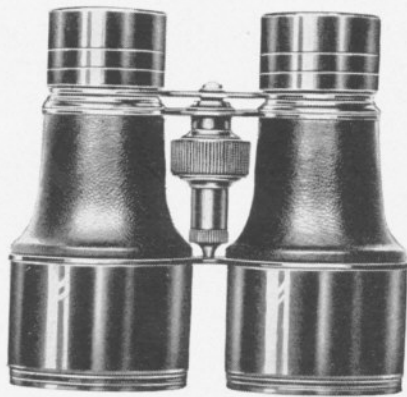
The NEWPORT 8 x 32 is top quality throughout. Complete with tan leather sports case. *Coated Lenses.* Weight 20 ounces. This is a lightweight model of exceptionally fine design containing the best optics. Relative brilliance 15. All air to glass lens and prism surfaces are coated thus increasing luminosity approximately 50%. Field of view 140 yards at 1000 yards.



S&A REGATTA DELUXE

The REGATTA DELUXE is a seven power glass developed exclusively by S&A, designed to fill a demand for a glass of great light, power and fine optics as required by men of the sea. 35 mm. objective lenses and large achromatic oculars combine to make the Regatta Deluxe one of the most popular binoculars known. Relative brightness: 15. Field of view 145 yards at 1000 yards. Complete with durable leather case. Weight 22 oz.

Precision OPTICS



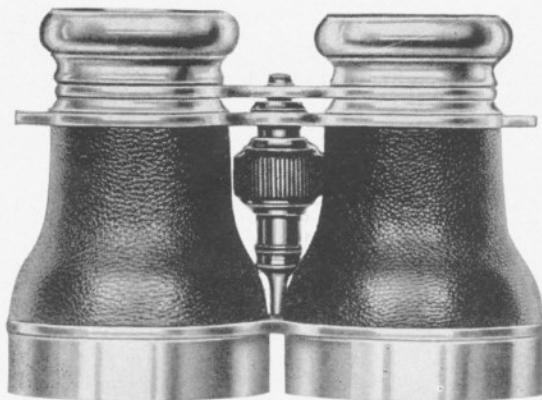
S&A PILOT

The PILOT 4 Power, 45 mm. is especially suited for marine use. The combination of 4 power and large 45 mm. objective lenses provides excellent definition and clarity, even under unfavorable conditions. The lenses are fully achromatic. Recommended for marine use as well as for all spectator sports and for bird study. Complete with leather case. Field of view 140 yards at 1000 yards. Shipping weight 16 ozs.



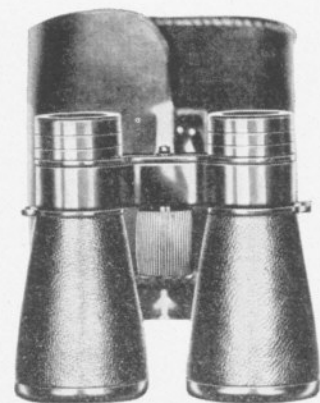
S&A PATHFINDER

The S&A PATHFINDER 3 Power, 43 mm. is an especially fine glass combining precision, achromatic lenses with sturdy construction, and beautiful finish. Exceptionally wide field and sharp definition. Complete with leather case. Field of view 130 yards at 1000 yards. Shipping weight 12 ozs.



S&A YALE

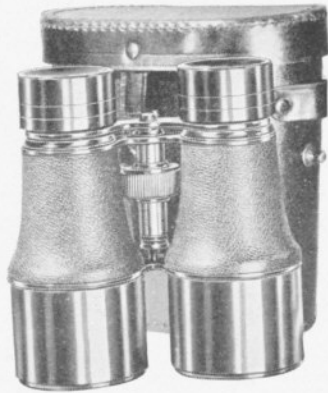
The S&A YALE 3 Power, 54 mm. Featherweight, is constructed of lightweight duraluminum body. The lenses are fully achromatic and the combination of 3 power with 54 mm. objectives gives this glass one of the widest fields of view to be found, coupled with tremendous light-gathering power. Thus these glasses are famous both for their unusual brilliance and clarity of definition, as well as for their ability to spot objects under unfavorable conditions. Widely used by mariners, sportsmen, aviators. Complete with leather case. Field of view 220 yards at 100 yards. Shipping weight 20 ozs.



S&A COACH

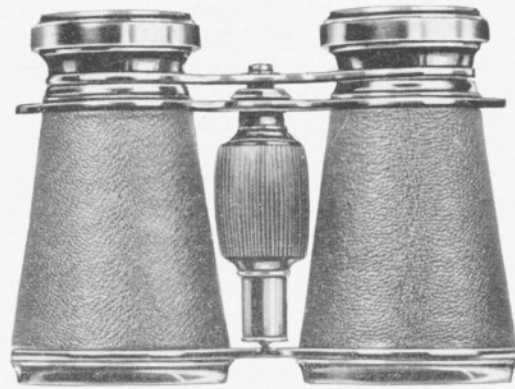
The S&A COACH 4 Power 43 mm. Featherweight glass, with large achromatic objective lenses is not only one of the finest glasses optically on the market but its construction and appearance, we believe, make it outstanding. Especially light in weight, this glass is equipped with interpupillary break. As with other S&A glasses, optics are of the finest, providing unusually brilliant images. Complete with tan leather sports case. Field view 125 yards at 1000 yards. Shipping weight 16 ozs.

Proven PERFORMANCE



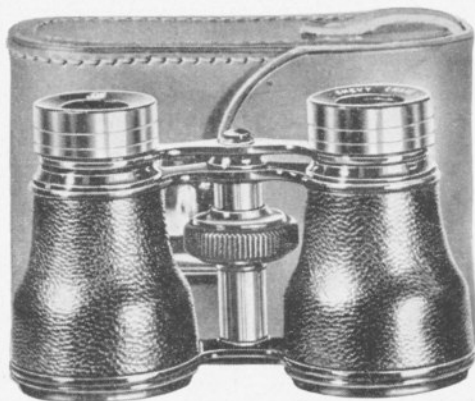
S&A MARINE

The S&A MARINE $4\frac{1}{2}$ Power, 47 mm., with sunshades, is the last word in fine optics and beautiful workmanship. Precision acromatic optics combined with rugged construction make this glass especially suited for all marine uses. Its $4\frac{1}{2}$ power adapts this glass to both short and long-range use. Truly a universal glass. Complete with leather case. Field of view 90 yards at 1000 yards. Shipping weight 24 ozs.



S&A HIKER

The S&A HIKER 4 Power, 43 mm., which magnifies objects four times, has great light-gathering power, wide field and sharp, clear definition. It is particularly adapted for nature study, horse racing, indoor sports and night use. The lenses are fully achromatic. Complete with leather case. Field of view 135 yards at 1000 yards. Shipping weight 13 ozs.



S&A CHEVY CHASE

The S&A CHEVY CHASE (2 models: 11 ligne and 13 ligne) is a marvelously constructed, light-weight pocket size glass, particularly suitable for all spectator sports as well as for bird study and the opera. The high quality, achromatic lenses insure sharp brilliant images, perfectly corrected for color. Complete with leather sports case. Fields of view 140 and 125 yards at 1000 yards. Shipping weights 5 and 6 ozs.



S&A SKIPPER

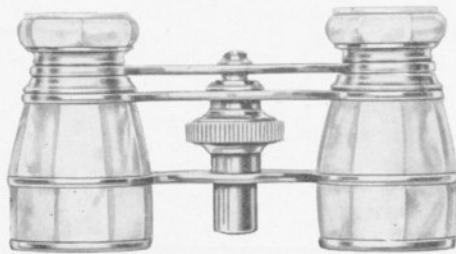
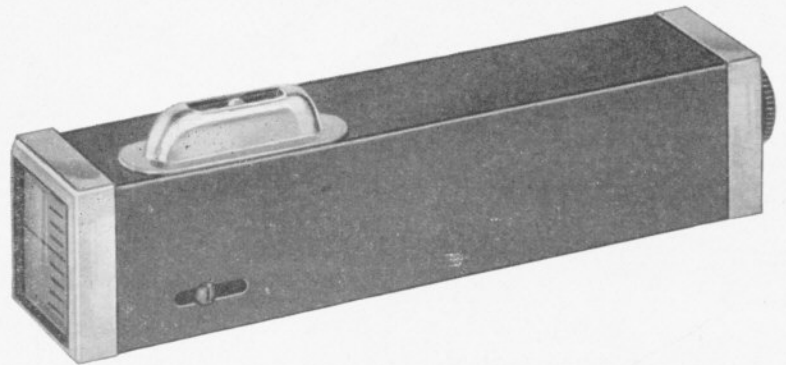
The S&A SKIPPER 6 Power, 54 mm., is recommended for those who prefer a straight ligne Field Glass to a Binocular. Equipped with sunshades, the Skipper, with its 6 power and 54 mm. objectives, is in great demand by pilots, yachtsmen, fire wardens and lighthouse keepers. Especially rugged construction to withstand severe usage. Complete with black leather case. Field of view 75 yards at 1000 yards. Shipping weight 18 ozs.

Guaranteed

UNCONDITIONALLY

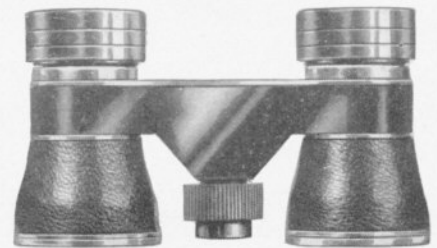
An accurate pocket size level, the design of which, enables the user to do the job alone, if necessary. This hand sighting tool projects a level line of sight and is indispensable for laying out drains, ditches, foundations, gardens; for contour plowing and soil erosion work; in short wherever grades must be established, or a level line is necessary over an appreciable distance. An indispensable, inexpensive tool for carpenters, masons, road builders, plumbers, farmers and home owners. Simple, illustrative directions with each instrument. Shipping weight 4 ozs.

S&A HAND SIGHTING LEVEL



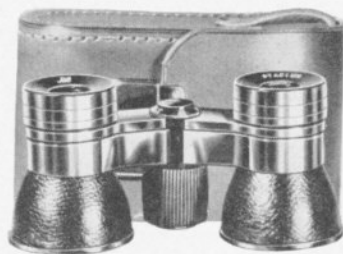
S&A DUCHESS

The S&A DUCHESS is, we believe, one of the most exquisitely designed glasses we have ever seen. Hand fitted pearl inlay which contrasts beautifully with the gold cross-bars. Its beautiful appearance, combined with precision, achromatic optics make this the outstanding opera glass on the market. It is so designed that it can be held and focused with the same hand. Complete with styled leather pouch. Field of view 140 yards at 1000 yards. Shipping weight 7 ozs.



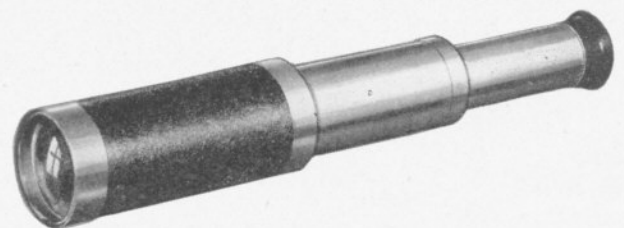
S&A DEBUTANTE

The DEBUTANTE SPORT AND OPERA GLASS is a compact glass of 3 power, suitable for opera or field. Small enough for Milady's purse and rugged enough for outdoor use. Covered in black morrocco leather. Complete with leather case.



S&A STADIUM

The S&A STADIUM 3 Power is a precision glass with unusually wide field of view, and interpupillary adjustment. Its high quality lenses are fully corrected for color and it is unsurpassed for brilliance and clarity of image. Its compact size and fine optics make it especially suitable for bird study and spectator sports. Complete with tan leather sports case. Field of view 165 yards at 1000 yards. Shipping weight 7 ozs.



S&A RANGER

You'll be amazed at the RANGER's clarity—brilliance and definition. Its light weight, size and rugged construction makes the Ranger an ideal companion for any outdoor activity. Among its many TOP features are two highly polished precision lenses, brass and nickel plate draw tubes and a comfortable eye piece. 5 power.

Aids to the Dealer



By popular demand we have retained the general explanations before each section of our new catalog. These brief but informative facts have proved of inestimable value in briefing sales people on the finer points and usage of our products.



MATS Electros, mats, and glossy photos are immediately available upon request. Our advertising department has prepared provocative, tested selling ads on the complete line, the use of which will do wonders in keeping your stock moving.

DISPLAYS Sparkling point-of-sale displays have been prepared for leading items and may be had upon request.



BILL INSERTS We have prepared profusely illustrated and beautifully designed folders on the complete S&A line. These folders are available in reasonable quantities and may be had in larger quantities with dealer imprint at cost.

