Spend 15 minutes with this new putter and see why 1973 will be the year of the "nassau" by Hoglund

First Putter Scientifically Engineered for the Special Function of Putting
The "Nassau" was designed by a golfer who also happens to be an engineer. Dissatisfied with contemporary putter designs, all of which he considered to be compromises, he set himself the task of creating a club that would consistently repeat while eliminating the many variables involved in the act of putting.

After two years of research, testing and evaluation in the field of mass and motion, he arrived at the "Nassau's" sculptured design. This is a putter that will appeal to every golfer and especially to the "thinking" golfer. It has everything the perfect putter should have: balance, feel and control to impart confidence and accuracy to the art of putting.

How these qualities are built into every "Nassau" is explained below. Please read on.

PRECISELY BALANCED HEAD
The Manganese Bronze club head is made by the investment casting process—the same technique used to produce precision jet aircraft parts whose dimensions must be held to thousandths of an inch. All four quadrants of the "Nassau's" head are precisely balanced to extremely close tolerance. The result is a putter with true pendulum action for utmost sensitivity of feel and control plus repeatability of stroke on green after green. Once a golfer feels the sensitivity created by this true balance, he begins to putt with greater confidence and precision. That's why we say that 15 minutes on the practice green with a "Nassau" will change your thinking and improve your putting.

NECKED-DOWN HEAD DESIGN
The unique head design which gives "Nassau" its distinctive look is not window dressing, but is engineered to concentrate the club's effective mass directly behind the prominent sighting line. This provides a more consistent impact force so that hitting the ball off-center will have little effect on the accuracy or distance of the putt, no matter where the ball strikes the face of the putter.

ELIMINATION OF DEFLECTION AND ITS EFFECT ON LONG "LAG" PUTTS
By concentrating the weight of the putter along the sighting line and providing longitudinal mass along the line of stroke, the "Nassau" provides constant control by eliminating the deflection which normally occurs as the putter strikes the ball—a condition which has long been associated with blade or mallet style putters. This total transmission of impact energy allows the golfer to lag the same distance with a shorter backstroke and less effort, hence a more sensitive and accurate putt.

SHAFT MOUNTING
The "Nassau's" True Temper shaft is mounted at an angle directly through the precise center of the mass of the head to maintain absolute balance and insure a true pendulum action regardless of the individual golfer's putting stance.

Sold only through Pro Shops. Available in PRO Model (Black head), also in White, and 6 colors: Yellow, Blue, Green, Lavender, Pink, Orange. Pro only grip is standard. Leather and other "Specials" on request. Left or Right Hand models. Nationally advertised retail price is $20.00. Standard discounts apply.

HOGlund GOLF COMPANY P.O. Box 422, Park Ridge, Ill. 60068
☐ Send details on suggested NASSAU assortments
☐ Ship one only NASSAU Pro Model for evaluation before I place stock order. ☐ Left Hand ☐ Right Hand

Name ____________________________

Club ____________________________

Address ____________________________

City & State ____________________________ Zip ____________________________

For more information circle number 184 on card
Announcing the new Wilson
Your members' chances for straight,

New Wilson 1200 woods:
Square hits on more shots.
The woods your members are playing now probably have heads with the center of gravity behind the shaft. Which is the way most woods are made. (Fig. 1)

When golfers swing those clubs, torque is produced in the shaft. This often causes the club face to twist open, and then closed, in the down-swing...and to slide through the ball at impact. So it's difficult to hit the ball squarely time after time. (Fig. 2)

But new WILSON 1200 woods have heads with the center of gravity on-line with the shaft. (Fig. 3) The result of removing the usual back-weight and inserting a tungsten alloy Fore-Weight immediately behind the impact area, deep in the Epoloc face. This scientific fore-weighting reduces the tendency of the club face to open, close or even slide through the ball. The result: a better chance for square impact. So the golfer gets better control and greater distance. (Fig. 4)

You can show how this works by placing a Wilson 1200 club and an ordinary club on a table. The face of the Wilson 1200 club hangs straight down—or square. But the face of the ordinary club does not hang square. Because the weight is in the back part of the head.

New Wilson 1200 woods also have an exclusive Counter-Torque shaft. The lower section of the Counter-Torque shaft is firmer than the lower section in an ordinary shaft. (Fig. 5)

Together, the fore-weighted head and the Counter-Torque shaft help keep the club face square at that critical moment when it hits the ball.

A Wilson 1200 club face that hits the ball squarely means a straight shot. Which means a long shot. Shot after shot. After shot.

New Wilson 1200 irons:
More accuracy on more shots.
Most golfers don't consistently hit the ball on the sweet spot. Some irons attempt to compensate for off-center hits by enlarging the sweet spot.
1200 woods and irons. long shots just got much better.

horizontally.

But new Wilson 1200 irons give the golfer more than just a horizontally enlarged sweet spot. They also give a vertically enlarged sweet spot. So golfers have a better chance for more accurate shots. Whether they hit the ball off-center horizontally or vertically. (Fig. 6)

How was this doubly-enlarged sweet spot achieved? By introducing a new concept in irons called Perimeter Weighting. It places more weight farther out along the entire perimeter of the sole and toe. (Fig. 7) So your members are more likely to have solid hitting weight behind an expanded impact area.

Equally important, there is an enlarged sweet spot on every single Wilson 1200 iron. Because we inserted a special tungsten alloy disc in the toe of our irons. And, we precisely varied the amount and location of the tungsten insert, placing this special weighting higher in the more lofted irons. So even though a golf ball climbs on the face of the more lofted irons before flight, Wilson 1200 irons improve the golfer’s chances of having solid hitting weight behind each shot. (Fig. 8)

The result is that each Wilson 1200 iron in the set provides scientific weight placement behind an enlarged sweet spot. So your members will get more accurate shots more often. Even on many of the shots that they hit off-center.

Wilson 1200 woods and irons: Greater distance and accuracy... more often. You know golfers who sometimes feel they can’t buy a good straight golf shot. Well, now they can. A whole set of good straight shots, in fact. Because Wilson offers both irons and woods built with new weighting concepts for greater accuracy. And that’s something that nobody could offer before.

Complete sets of these remarkable new Wilson 1200 woods and irons are available now. Through golf professional shops only, of course. Until a member has played them, he can’t really know just how good a golfer he is.

Wilson is a registered trademark, and Wilson 1200, Counter-Torque, Fore-Weighting and Perimeter Weighting are trademarks of the Wilson Sporting Goods Co.

For more information circle number 146 on card
GOLF CLUBS (from page 41)

1-3-5-7 combination; however, 4- and 6-wood available also.

MODEL: PROFESSIONAL

CHANGES FOR 1973: None
FEATURES: Irons feature nickel-chrome finish. Woods are persimmon with three-dimensional PGA insert.

SHAFT TYPE & FLEX: Herculite (R/S)
WOOD COLOR: Pecan
PRICE: Irons, $207; woods, $126

MODEL: EMBLEM

CHANGES FOR 1973: None
FEATURES: Irons have V-back design, woods are laminated; medium price range

SHAFT TYPE & FLEX: Pro-Fit (Med.)
WOOD COLOR: Black/red insert
PRICE: Irons, $112; woods, $72

MODEL: CLASSIC

CHANGES FOR 1973: None
FEATURES: Laminated woods, lower-priced woods
SHAFT TYPE & FLEX: Steel (Med.)
WOOD COLOR: Black/black & red insert
PRICE: Irons, $78.75; woods, $54

MODEL: LADY PAR EXCELLENCE

FEATURES: Lightweight, small diameter shaft without sacrificing clubhead size. Added loft and length with flatter lie.

SHAFT TYPE & FLEX: Lady Par Ex (L)
WOOD COLOR: Royal purple
PRICE: Irons, $207; woods, $126

MODEL: CONTessa

CHANGES FOR 1973: None
FEATURES: Laminated woods, black, blue and gold fill grips
SHAFT TYPE & FLEX: Pro-Fit (L)
WOOD COLOR: Pastel blue/white insert
PRICE: Irons, $112.50; woods, $72

MODEL: LADY CLASSIC

CHANGES FOR 1973: None
FEATURES: Seamed woods, nickel-chrome finished iron
SHAFT TYPE & FLEX: Steel (L)
WOOD COLOR: Ebony/red & black insert
PRICE: Irons, $78.75; woods, $54

MODEL: ROYAL

ROYAL PLUS* FEATURES: Investment cast malleable stainless steel irons that have a fluted carbon steel shaft. Woods have fluted shaft, special insert.

SHAFT TYPE & FLEX: Lightweight (R/S), A and X on special order
WOOD COLOR: Black
PRICE: Irons, $250; woods, $135

ROYAL PLUS* FEATURES: Investment cast malleable stainless steel irons that have a fluted carbon steel shaft. Woods have fluted shaft, special insert.

SHAFT TYPE & FLEX: Lightweight (R), A and X on special order
WOOD COLOR: Black/black & white insert
PRICE: Irons, $225; woods, $135

ROYAL QUEEN CHANGES FOR 1973: Forged steel irons with thin, but strong, lightweight steel shaft
SHAFT TYPE & FLEX: Lightweight (L)
WOOD COLOR: Dark blue, dark green or cherry
PRICE: Irons, $145; woods, $108

MODEL: SHAKESPEARE PLYMOUTH

MACH II* FEATURES: Revolutionary shaft designs for clubs. Tor-Fil Sigma; all-graphite shaft, extremely stiff and costly, for professional or low handicap golfer; Tor-Fil Alpha; combination graphite with silicone shaft; Tor-Fil silicone shaft.

SHAFT TYPE & FLEX: Tor-Fil Sigma (stiff to extra stiff); Tor-Fil Alpha (R/S), Tor-Fil (R/S)
WOOD COLOR: Black/black insert
PRICE: Irons: Sigma, $720; Alpha, $216, Tor Fil, $162. Woods, Sigma, $400; Alpha, $136, Tor Fil, $136 (approximate).

EXECUTIVE FEATURES: Weight redistribution in woods and irons
SHAFT TYPE & FLEX: Lightweight (Med., S)
WOOD COLOR: Charcoal gray/black insert
PRICE: Irons, $194; woods, $135

MODEL: GOLDEN RAM

CHANGES FOR 1973: None
FEATURES: Irons have weight redistributed away from center of gravity. Woods have brass power weights on the back of the heads.

SHAFT TYPE & FLEX: Dynalite (A-, one inch shorter; R/S, and S-one inch longer shaft)
WOOD COLOR: Black/green insert
PRICE: Irons, $189; woods, $120

RAM PROFESSIONAL CHANGES FOR 1973: None
FEATURES: Forged iron heads SHAFT TYPE & FLEX: Pro-Fit Unitized (R/S)
WOOD COLOR: Black/black insert
PRICE: Irons, $144; Woods, $88

MODEL: XLD PROFESSIONAL

CHANGES FOR 1973: None
FEATURES: Forged iron heads
SHAFT TYPE & FLEX: Pro-Fit Unitized (R/S)
WOOD COLOR: Black/black insert
PRICE: Irons, $144; Woods, $88

MODEL: XLDERS* (ladies)

FEATURES: Blue cast tinted shaft to match woods and grips
SHAFT TYPE & FLEX: Tor Fil (L)
WOOD COLOR: Blue/white insert
PRICE: Irons, $162; woods, $96

MODEL: KENNETH SMITH

CHANGES FOR 1973: None
FEATURES: Custom made clubs for men, left-hand and ladies featuring stainless steel iron heads SHAFT TYPE AND FLEX: Lightweight, dynamic or aluminum (all flexes)
WOOD COLOR: All colors
PRICE: Irons, $297; woods, $196

MODEL: TOP FLITE*

FEATURES: Woods and irons feature dynernial weighing system giving three-dimensional effect. Weight in heel, toe and sole of club for lower center of gravity. Irons have stainless steel heads, chrome exterior and hollow back.

SHAFT TYPE & FLEX: Dynamic and lightweight (R/S)
WOOD COLOR: Black/full face mottled insert
PRICE: Irons, $200; woods, $140

ELITE CHANGES FOR 1973: This is a new mod, previous Top-Flite men's has been discontinued
MODEL: ELITE

CHANGES FOR 1973: None
FEATURES: Stainless steel irons with square toe, straight top line SHAFT TYPE & FLEX: Lightweight (Med., S)
WOOD COLOR: Mahogany
PRICE: Irons, $250; woods, $155

EXECUTIVE CHANGES FOR 1973: None
FEATURES: Weight redistribution in woods and irons
SHAFT TYPE & FLEX: Lightweight (Med., S)
WOOD COLOR: Charcoal grey/black insert
PRICE: Irons, $194; woods, $135

MODEL: WILSON

1200* FEATURES: Chrome plated irons with a tungsten steel weight inserted in the toe of the club. Woods and irons feature fore-and-perimeter-weighing to reduce the tendency of the club face to open, close or slide through the ball.

SHAFT TYPE & FLEX: Counter-Torque (R/S)
WOOD COLOR: Ebony/ebony & natural insert
PRICE: Irons, $279; woods, $155

MODEL: X-31

CHANGES FOR 1973: None
FEATURES: Stainless steel irons with a contour and radius sole and beveled leading edge
SHAFT TYPE & FLEX: Ultralite (R, S), A and X on special order
WOOD COLOR: Black/silver insert
PRICE: Irons, $242; woods, $155

MODEL: WILSON STAFF

CHANGES FOR 1973: Irons have adjustable tungsten steel weight insert, dynapower fluid feel
SHAFT TYPE & FLEX: Ultralite (R, S), A and X on special order
WOOD COLOR: Ebony/Wilson Staff design in insert
PRICE: Irons, $222; woods, $134

MODEL: BOROS PROFESSIONAL

CHANGES FOR 1973: None
SHAFT TYPE & FLEX: Steel (R)
WOOD COLOR: Light walnut/bur- gundy light
PRICE: Irons, $80 (set of eight); woods, $60

MODEL: LADIES STAFF

CHANGES FOR 1973: None
FEATURES: Patty Berg signature clubs with rounded sole, fluid feel hosel. Driver features special loft and lie
SHAFT TYPE & FLEX: Ultralite (L)
WOOD COLOR: Deep blue/natural insert
PRICE: Irons, $225; woods, $135

MODEL: BERG PROFESSIONAL

CHANGES FOR 1973: None
FEATURES: Straight line scoring for increased accuracy and back spin. Woods have one-piece sole plate
SHAFT TYPE & FLEX: Lightweight (L)
WOOD COLOR: Brown tone/natural insert
PRICE: Irons: $114 (set of eight); woods, $80

* Indicates new model
TOURING PRO introduces the golf sweater with spunk: Carefree by Gilison.

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For more information circle number 147 on card
The pro shop and the clubhouse must comply with Occupational Safety and Health Act standards to avoid penalties, even though these standards will be continuously revised or changed.

by Jack Janetatos and Ken Emerson

bodies, as the U.S. Public Health Service and the National Fire Protection Assn. Many of these regulations were obsolete in terms of today’s technology and the additional two years (at the time of the act’s passage) gave OSHA the opportunity to review and correct this body of “instant” regulations. It does, however, burden considerably the individual club, which must keep track of these changes and additions to comply with the law. (One of the functions of the National Club Assn. is to inform the industry through articles such as this one and its members through its monthly newsletter.)

One graphic illustration, out of some 55 changes and additions that were offered as proposed regulations by OSHA on July 15, 1972, states that “clean ice will be permitted in drinking water.” The present American National Standards Institute standard had justifi-
10. All employee food service shall meet the requirements of the U.S. Public Health Service;
11. All floors and work areas must be maintained in a clean and dry condition.

**FIRE**

Because of the extensive work done by the National Fire Protection Assn., fire safety regulations are more comprehensive and detailed than those in many other areas. Of particular concern to the clubs will be those standards affecting the use of portable extinguishers.
1. Portable extinguishers must be maintained in fully charged and operable condition and kept in their designated places at all times when they are not being used (These must be marked in red.);
2. Extinguishers are classified by type and intended use and must be so marked in such a way as to make their selection unmistakable;
3. Extinguishers must be maintained in good condition and kept in areas of free and ready access. They must be inspected at least once a year and must be refilled whenever they fall more than 10 per cent below capacity;
4. Extinguishers must be provided for the protection of both the building structure, if combustible, and the occupancy hazards;
5. In general, extinguishers must be located within 50 to 75 feet of any potential fire hazard;
6. The number of fire extinguishers per potential hazard is carefully spelled out by the regulations in terms of class and rating;
7. All extinguishers must be tagged to show the maintenance or recharge date and the initials or signature of the person who performs this service.

A considerable body of regulations deals with the safety requirements of fire exits. In general these require that:
1. Every building have enough exits to permit prompt escape of the occupants in case of fire;
2. Such exits must be kept free and clear of all obstructions. The approaches to these exits may never be blocked;
3. Every exit and the route to it must be clearly marked and artifi-