NEW IRON AGE SPRAYERS—New Iron Age engine-driven golf course sprayers, with 4-gallon, 2-cylinder vertical pumps, are now being produced by the A. B. Farquhar Co., York, Pa. Pressure for thorough penetration of spray material is provided by the 2-cylinder vertical pump, a new addition to the Iron Age line. Semi-enclosed with a 1½ in. bore and a 1½ in. stroke, the pump delivers 4 gallons per minute at pressures up to 350 lbs. The pump is fitted with hardened non-magnetic displacement tubes for longer cup life. Special stainless steel, combined with an exclusive finishing process, makes the plunger tube finest obtainable. The pump’s specially designed drive gear and pinion, completely enclosed and dust-tight, are cut on a precision gear generator to assure perfect meshing of teeth for exceptionally long life. An air-cooled 1½ h.p. engine is used to drive the pump. Four models of the Golf Course utility Sprayers are now in production at Farquhar. Model 71A, push cart type, and Model 71B, with automobile or tractor hitch, have heavy duty steel tanks, in 50 to 125 gallon sizes, with intake strainer and propeller type agitator as standard equipment.
Spalding's 1947 pro display card in as many cases as possible, when names are available, is personalized with pro names filled in at bottom. If you have not received your card, please notify Adv. Dept., A. G. Spalding & Bros., 19 Beekman St., New York, N.Y.

JACKMAN SPORTSWEAR, formerly in the Lytton Bldg., 14 E. Jackson Blvd., Chicago, now are in full swing operation at their new home, 6332-34 Roosevelt Rd., Oak Park, 111. As Ren Smith, Jackman pres., points out, the larger quarters not only facilitate handling of their greatly increased pro business but the new headquarters, away from the traffic and parking problems of Chicago's loop, make it quicker and more pleasant for the pros to visit. "Best of all," reports Smith, "our 1947 line is the finest in both variety and quality that we have ever assembled."

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Highest prices paid
Check mailed within 48 hours after balls are received
Known to the trade for 15 years
Get our prices before selling

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FOR SHOP DISPLAY

Which one's worryin' you?

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Clowning around
Chuckin' Fox
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Consult your golf specialist—Your pro
(Any Spalding equipment helps a lot, too!)

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THE PRACTICAL PRIZE
For Golfers

Beautiful, New Sessions (self starting) Electric Clock...60 cycle—A.C.—110V. Golfing figure in lustrous Sun-Ray. Overall height 10 inches. No. 453D, each...$15.00 (Plus 20% Excise Tax)
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"SWING WONDER"
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by Bea Gottlieb

A practice device to develop a conscious swing sensitivity, coordination and relaxation. The booklet, simplified and condensed, will enlighten your understanding of a golf swing. Complete set $2.50. Box 6234 W. Palm Beach, Florida.

Newest chemical for removing dirt, grime and stains. Colorless, odorless. Does not get rancid, foul or slimy. No injury to hands or clothing. No soap, alkali or acid. Write for literature and free testing sample.

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FOR SHOP DISPLAY

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Golf Course Architect
Member: American Society of Golf Course Architects

664 N. Michigan Ave.
CHICAGO 11, ILL.

Phone: Whitehall 6530

New! Ideal!
THE PRACTICAL PRIZE
For Golfers

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EDWIN W. LANE CO.
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Introducing the new
"SWING WONDER"
and booklet
"What Is This Thing Called Swing"
by Bea Gottlieb

KLEN-ZIP
REMARKABLE NEW CLEANSER FOR GOLF BALLS

Newest chemical for removing dirt, grime and stains. Colorless, odorless. Does not get rancid, foul or slimy. No injury to hands or clothing. No soap, alkali or acid. Write for literature and free testing sample.

McCLAIN BROTHERS COMPANY, Canton, Ohio
WINNERS OF THE 5,000 SQ. FT. OF OLD Orchard bent stolons, donated by Ralph Bond as door prizes at recent turf conferences were: L. E. Lambert, Oakwood G & CC, Kansas City—at the Iowa meeting; H. J. Bohles, Minneapolis GC, Mankato, Minn.—at the Minn. conference and Orville Brown, Meridian Hills CC, Indianapolis, at the Purdue short course.

HELEN MAC DONALD, well known Chicago woman golf instructor, formerly located at 406 S. State St., has opened her new golf school at 716 N. Wabash Ave., Chicago. The new location is in the center of the city's near north side golfing colony, which adds up to a rushing business in lessons and golf equipment.

NEW SPORTSWEAR CATALOG — Mayflower-Medalist, Ltd., 307 5th Ave., New York 16, N.Y., has issued its new catalog of sportswear for pro shop sale. In addition to Acushnet salesmen the line is handled in New England by Jos. W. McQuade, 60 South St., Boston and in Kansas and part of Missouri by Robinson's Equipment & Supplies, 3959 Broadway, Kansas City 2, Mo.

PATTY BERG BOOKLET — Book of press and radio information on Patty Berg has been compiled by Wilson Sptg. Goods Co., 2037 N. Campbell Ave., Chicago. It's a swell job of providing facts on Patty for use in publicity work at tournaments and clinics she attends. It shows Patty won 40 of the 73 tournaments in which she's competed, was runner-up in 16 and medalist in 42. The booklet also contains records of Women's National and Women's Western championships.

DECKER WITH HENDERSON — Fred Decker, for many years pro and gkpr. at Knollwood CC, White Plains, N.Y., has joined Peter Henderson and Co., 35 Cortlandt St., New York City. Decker will represent the firm for all golf course equipment, seeds and fertilizers for golf course needs in Westchester County and Long Island, N.Y., and the state of Connecticut. His home is in Scarsdale, N.Y.

MARK-IT IS USEFUL GIMMICK — R. R. McKenzie Co., 524 E. Lomita St., Glendale 5, Calif., has a new gimmick combining a device for marking a ball on a green, marking the ball for identification, a knurled section to rough up grips of clubs and a metal pick to clean mud out of grooves in club faces. It looks to be an item that should sell strong in pro shops. It retails for $1.50. The device isn't much larger than a scoring pencil. Touching the device to the green leaves a small spot of neutral white powder marking ball location in a way that's a great improvement over the customary method of marking with a coin or the scratching with a wooden tee.

HOGAN FEARS STALENESS—In a feature sports article spread, Life magazine for March 24 gave a study of Ben Hogan. Life termed Hogan "The best over-all golfer since little Bobby Jones retired from competition 17 years ago". The magazine pointed out that Hogan like Jones stands 5 feet 8 inches. That Hogan's concentration and judgment "pay off" is cited by Life which said that in 1946 he was the biggest money winner in golf with $42,000 and this year may hit $75,000. "But", Life added, "Hogan has one constant worry, the worry of every professional golfer. At any time, for no explainable reason, he may suddenly go stale".

SIEMS ON MIDWEST BOARD—H. B. Siems, director of research, plant food div., Swift & Co., was elected a new director to represent industry on the Midwest Regional Turf Foundation at its annual meeting held during the Purdue short course at Lafayette, Ind. The short course was attended by 210. Other directors of the Midwest foundation for 1947 are A. L. Bran-
DIEGEL AND DANTE WRITE BOOK ON "9 BAD SHOTS"

Jim Dante, who's been pres., New Jersey PGA 5 times, and Leo Diegel, twice PGA national champion and 4 times Canadian Open winner, have written in collaboration with Len Elliott, sports editor, Newark (N.J.) Evening News, "The 9 Bad Shots of Golf—and what to do about them."


Jim and Leo, conceded by pros to be 2 of the best teachers of the game, have done a very effective job in this book. They maintain that there are only 9 bad shots in golf; slicing, hooking, topping, smothering, pulling, pushing, skying, sclaffing and shanking. Diagnosis and correction of the causes of these 9 faults constitute the major part of the book. The rest of the book is devoted to the correct grip and stance, the swing, iron play, putting, play in rough and traps and on uneven lies.

Although this book is concerned mainly with "straightening out" the player who has chronic faults it is an excellent treatise for helping players who shoot from 85 up have a clear understanding of what they should do right—and why—as well as explaining the cause and cure of their troubles. It is a book that can be tied up closely with expert pro personal instruction as its sets forth what almost every other pro has shared with Diegel and Dante in the problems of getting pupils to understand the causes of their troubles so clearly they won't slump into hopeless confusion and discouragement.

MAC-GERGAR STAFF MEETS—Henry P. Cowen, pres. and G.M. of MacGregor Golf, Inc., and Hugo Goldsmith, president of Sport Products, Inc., conducted a winter conference of the MacGregor Golf Pro Advisory Technical Staff, at Miami Beach, Florida, March 5 and 6. The conference followed the International 4-Ball Golf Matches won by Ben Hogan and Jimmy Demaret of MacGregor's staff for the second consecutive
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SENSATION OF THE GOLFING WORLD
Made of cellulose acetate in assorted colors. Strong, long lasting, colorful. Golfers clamor for them. $3 per thousand (bulk) F. O. B. Chicago. 5,000 minimum order. Order early while they last!
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year. Another conference of the MacGregor Pro Technical Advisory staff is scheduled for Cincinnati on April 9.
Cowan returned to Cincinnati on March 10 but Goldsmith remained in Miami Beach to round out his vacation at his winter home.
MacGregor Golf is a subsidiary of Sport Products, Inc.

GOLF NOVELTY—Smoking stands, whose tray supports are in the form of mid-irons, are innovations offered by the Funderburk Engineering Co., 29 Moody Street, Waltham, Mass. The firm promises immediate delivery. Prices and additional information may be obtained by writing the company.

FIRE-FIGHTING PUMP—Low cost fire protection in the form of a trailer-mounted high pressure portable pump and fire-fighting unit is now available to clubhouses in the Porto-Pumper, mfg. by Porto-Pump, Inc., 227 Iron Street, Detroit 7, Mich. With a cost about one-sixth that of most minimum priced fire-fighting units, Porto-Pumper consists of a gasoline-driven high pressure utility pump; 75 feet of supply hose, and 250 feet of fire hose; an 18 foot 3-section extension ladder; fire axe and hand type extinguisher. The trailer-mounted unit is easily attached to car, jeep, or truck and comes equipped with heavy duty tires of standard automobile center-to-center track.

DAVIS HAS WEEDESTROY—Weedestroy, made by Riverdale Chemical Co., Harvey, Ill., is now being distributed in the Chicago area by the George A. Davis Co., Riverdale has announced. Weedestroy, which last year received wide course acceptance, is based on the butyl ester of 2,4-D.

Selective Weed Killers
Dow 2,4-D Powder, 70%, 50# drums $1.65 per lb., 10# drums $1.80 per lb., freight allowed on orders of 100# or more.
Weedone, 5 gallon drums, per gal. $6.00. Freight allowed on 100# or more.

Rainbird Sprinklers
Heads only, No. 20 covers to 84 ft. $2.75; No. 40 covers to 102 ft. $5.50; No. 70 covers to 147 ft. $7.90; No. 80 covers to 215 ft. $15.70; 18" roller bases $6.00 each.

Prices Subject to Change Without Notice.

Swinging Around Golf
Continued from page 31
now makes news like Demaret, Hogan, Nelson, et al? make for the Grayson typewriter. And what pro is going to stay away from tournaments where he may make big money and "a name"?
Joe Miskovic goes to Hillsdale GC (Chicago dist.) as pro. Miskovic also teaches summer classes at a Chicago YMCA.
Tracy Parks, Houston, claims his Blue Goose handmade putters, ordinarily retailing for $15, have sold for as high as $25 out of the bags of tournament pros.
British are a hardy race as is proved by golf played on snow-covered courses during worst winter old inhabitants can recall.

Interesting event at Hillcrest CC (KC dist.) is scheduled Sept. 6-7 when members will play at their handicaps against their pro Wolf Rimann. Member who beats Wolf by longest margin gets a prize.

Vinnie Richards, head of Dunlop Rubber Co. sports dept., is made commissioner of pro tennis. The noted Vinnie also is a pretty good amateur golfer.

Dai Rees, on his return to London, said there's no reason why the British Ryder Cup team shouldn't beat the Yanks this fall.

Chicago Dist. annual junior tournament to be played at Glen Oak CC, July 21-24.
Fred Gleim, before the war pro at Shore acres club, signed as pro by Green Acres CC (Chicago dist.). Jerry Cooke is pro at Cleveland Heights CC, Lakeland, Fla.
Wm. F. Riley, 72, veteran New Jersey gkpr., who retired from Crestmont GC, before the war and was succeeded by his son, Wm. R., died recently at his home of a heart ailment. He was a grand old gentleman and up to a few years ago was an ice skating instructor as an avocation. Youngsters in his neighborhood, including his 2 grandchildren, considered him one of the world's premier toy-makers.
JIMMY MILLAR DIES—James Millar, 54, for 24 years at Klinger Lake (Mich.) CC and veteran of the Scotch Black Watch in World War I, died of a heart attack, March 24, at Sturgis (Mich.) Memorial hospital. He is survived by his widow, who was Janet Robinson Clark and came from Scotland in 1925 to be married to Jimmy, and their son, William, who was in the U. S. Navy during World War II. Jimmy rebuilt the Klinger Lake course. He was the beloved friend and helper of thousands of golfers, amateur and pro, and one of the cheeriest, finest and most competent men in the game.

HOSE REPAIR — The Clamp-Master Kit, which uses the well known Punch-Lok clamping and banding method of industry, now makes available to golf clubs the easy repair of split hoses, posts, ladder rails and tool handles. The kit is also useful for splicing cables, tying conduit to pipe lines, and performing maintenance work on tools, machinery, fences, and buildings. Clamp-Master Kits are mfg. by the Punch-Lok Co., Chicago.

METAL LAWN CHAIRS—Lawn chairs are now produced combining the brightness of chrome with the lightness and corrosion-resisting qualities of aluminum. Made by the Troy Sunshade Co., Troy, O., in two styles, chairs and chaise lounge, the furniture incorporates backs and seats of nylon strapping in bright colors. Both the chairs and chaise lounges can be stacked (nested) in groups of 4. Their lightness makes it possible for a child to stack them.

Hi-Ball

Continued from page 68

necessary than at the ordinary driving range. This illumination must be made to increase in intensity as the ball gets farther from the tee, a situation calling for a special lighting system.

Clusters of great floods totaling 90,000 watts and costing $12,000 were placed behind the lateral barriers at ground level. The lights are progressively more powerful as the distance increases from the tee until illumination on the ball is strongest at 200 yards. At that point the light begins to decrease.

The lateral barriers serve as protection for the lights behind them. They are constructed of 20 gauge rabbit wire stretched on a wooden frame of two by fours, and covered with painted burlap.

The first three barriers will be lower on subsequent Hi-Ball Fairways to allow “grass cutters” to score. Fairway lights will be taken out of their bunches and spread evenly across the fairway. Two stories of concrete tee stalls and full set club-rentals are expected to double the “take” of the next Hi-Ball Fairways.
WESTERN SUMMARIZES CADDY WORK—Western Golf Assn., 111 W. Washington St., Chicago 2, Ill., features extensive work done for caddie encouragement, training and reward at golf clubs. Loeffler in a booklet recently issued. The booklet also contains a record of the outstanding performance of Evans scholarship caddies, which unquestionably is among the great substantial contributions of golf to the nation. WGA championship records also are contained in the book. The Western again is enlisting member clubs at annual dues of $35. Officials of clubs are invited to write, without obligation, to the Western for the details of the organization's work for clubs and the caddies.

LOEFFLER RESIGNS AS PRO—Emil (Dutch) Loeffler, for 45 years at Oakmont CC (Pittsburgh dist.) has resigned from pro job he's held since 1929 but will continue as gkpr. He started with the club as a caddie and became recognized as one of the top men in course conditioning. Loeffler and the Fowkes, father and son, have constituted one of the most successful greenkeeper-official teams in establishing a great reputation for a course. Dutch was wounded in World War I and on Oakmont's appeal the War Dept. shipped him home to mend while he conditioned the course for the 1919 National Amateur, which was won by the home club player Davie Herron, who defeated Bob Jones, 5 and 4, in the finals. Loeffler's job was such that the USGA issued its first commendation to a greenkeeper on condition of a course during a championship. He is reputed to have been drawing the highest salary of any pro in the country.

WILLIE MAGUIRE IMPROVING—Latest report on condition of Willie Maguire, pro of Houston (Tex.) CC and treas., PGA of America, is that the veteran is doing a grand job of fighting the illness with which he was stricken suddenly. He may soon be permitted to leave the hospital.

DESIGNS NEW SCORESHEET—H. L. Davis, principal, Lafayette high school, Lexington, Ky., has designed a scoresheet for combined, single and 4-ball matches that is especially convenient for league and interclub matches. Sheets are made with plenty of room for legibility but for easier filing and reference than the customary size. The sheets are put up in book form. Details may be secured from Hurst Ptg. Co., Lexington, Ky.

CLASSIFIED ADS

Reliable man with 25 years' experience as pro-greenkeeper wants to make a change from present position. Single. Will go anywhere. Address Ad 401, c/o Golfdom.

Available Greenkeeper and Superintendent—desires change from the east to California. Over 20 years in construction and maintenance of golf courses; also 15 years Supt., for landscape company and private estates. Scotchman, age 56, married, no family. Available within 2 weeks. Address Ad 402, c/o Golfdom.


Golf Pro—35, available. 20 years' experience with exclusive credit rating. First class teacher and player. Highly recommended. Address Ad 403, c/o Golfdom.

Asst. to Pro-Greenkeeper in Midwest wanted. One with some teaching and shop experience. Must be steady and reliable. State experience, reference and salary in first letter. Address Ad 404, c/o Golfdom.


Greenkeeper—36, wishes to change jobs. 15 years a greenkeeper; some construction experience. J. R. Walton, 611 Morning St., Worthington, Ohio. Phone Columbus Fr 2-6856.

First class Pro with highest recommendations for teaching and all pro department operations desires new location. Especially good at stirring up playing interest at clubs. Fine all-around operating man for smaller club. War veteran, with prior experience being at clubs where his services were highly satisfactory. Address Ad 405, c/o Golfdom.

Wanted to Lease—an 18 hole golf course. Write stating terms and location to "Scotty", Ad 407, c/o Golfdom.

Pro Manager—16 years' experience. Available immediately. Excellent credit and references. Address Ad 408, c/o Golfdom.

FOR SALE—MAILING LIST of 250 golf driving ranges and buyers of driving range equipment and supplies. $10.00 postpaid, immediately. E. R. Coyle, RD 3, Mentor, Ohio.

WANTED: Any quantity slightly cut golf balls. $1 per dozen—no cut $1.75 per dozen—Cash will be sent promptly and we pay express charges. Arrow Distributors, 2318 Pitkin Ave., Brooklyn 7, N. Y.

Experienced, successful Professional—will consider change for 1948. 40 years old; present position over eight years. Available for eastern interview in July; western in May. Veteran. Address Ad 409, c/o Golfdom.

USED GOLF BALLS. We buy, sell, trade, used golf balls of any type. Our prices are 60c per dozen for cut and cull golf balls. Other grades priced accordingly. We pay shipping charges. For information, write or call Northern Golf Ball Co., 3441 N. Claremont Ave., Chicago, Ill. (Wellington 1420).

Wanted—Caddie manager for large Midwest club. Must be steady and reliable, able to organize and instruct caddies in their duties. Give age, qualification and salary in first letter. Address Ad 410, c/o Golfdom.

2,000 new putters for pro shop and putting courses. Very well constructed and offset design. Price $3.00; quantity less. Write or Wire Northern Golf Ball Co., 3441 N. Claremont Ave., Chicago, Ill. (Wellington 1420).

Experienced pro-gkpr., for past few years away from club work, desires to return after acquiring additional wartime business experience that can be used to profit of clubs. Fine teacher, industrious, agreeable personality and thoroughly dependable. Address Ad 411, c/o Golfdom.

GEN. MGR.—Outstanding record in country club business management is assurance of what I can do for a club whose official want to secure highest type of wasteless operation, fullest development of facilities, and get club on soundest basis to withstand any recession that may be in prospect after present golden era. Address Ad 414, c/o Golfdom.