



Course supts. study bent grasses as one exhibit of Pennsylvania State College Fall Field Day.

Penn State's Turf Research Viewed on Field Day

Details of the renewed and expanded experimental program on turf at the Pennsylvania State College were viewed, reviewed, inspected and discussed at Penn State's annual Fall Turf Field Day. More than 100 greenkeepers, golf club officials and others interested in fine turf from Pennsylvania and nearby states joined in the full day's program.

Visitors started the day with an inspection of the experimental greens on the Penn State college golf course, where tests are under way with different strains of bent grasses. Next, the group had a chance to see a new serifier machine, along with experimental work under way to determine and measure the effects of the new machine on root systems and the depths of growth resulting from use of this latest mechanical aid.

Full extent of the new experimental program at Penn State was disclosed at the afternoon program. This started with a trip to the station's plant nursery where 18,000 individual plants are growing in testing various strains resulting from the plant breeding project. Most of the attention in the plant breeding is devoted to bent grasses, bluegrass and the fescues.

Next came inspection of the fertility experiments. One section is devoted to a study of nitrogen availability, while others are designed to determine the response to applications of potash. The design of these experiments was explained and plans outlined for further expansion of the fertility work as facilities and time permit.

From here, the group had the opportunity of seeing actual results with 8 different types of chemical weed killers being used in the weed control studies. The chemicals were applied to 2,500 plots, some in solution, and others, in dry form, mixed with the fertilizers. The weed control experiments are continuing, both in the tests with various types, and in numerous concentrations.

The turf experimental work at Penn State is under supervision of Prof. H. B. Musser, of the agronomy faculty, who accompanied the field day crowd from place to place to explain the work as well as answer questions. Background for many of the problems involved in the experimental work was explained by Dr. Fred V. Grau and George Harrington, of the USGA green section.

Plans are now being completed for the annual turf conference to be held at Penn State March 3 to 6, 1947.



Frederick L. Hovde (L), pres., Purdue university, presents L. B. Icely, pres., Wilson Sporting Goods Co., award for service to industrial recreation.

NEW RECREATION MOVIES—"Playtown, USA," a 16 mm. sound and color film running 25 minutes and "\$1,000 for Recreation," a 16 mm. sound and color film running 12 minutes, are available for showing to community organizations. Requests should be made to YMCA Motion Picture Bureau offices in New York, Chicago, Dallas or San Francisco. "Playtown, USA" tells the story of achieving a public recreation program. The other picture shows what can be done by a community spending \$1,000 on recreation facilities.

SPALDING ADOPTS OAB PLAN—Stockholders of A. G. Spalding & Bros. Inc. have adopted a retirement income plan covering all Spalding employees who have been with the company at least 5 years and are over 30 years of age. It is estimated that the cost to Spalding for the next year will be approximately \$175,000. The employees pay approximately 45% of the cost of the benefits.

NEW BURKE PLASTIC HEADS—Burke Golf, Inc., Newark, Ohio, has produced a new line of "woods" with a plastic head having a hard, plastic face inset. Burke says these heads and insets are harder, stronger, are weatherproof and beautiful and are "hairline" balanced in the Burke tradition. The extremely hard surface of the face inset adds new crispness to shots. The lines tooled into the surface of this inset keep their sharp edges longer so accurate control of the ball is retained.

ADAMS TIMING DEVICE Oked By PROS—Golf Swing Timer devised by Robert Winthrop Adams, 175 Pine Ridge Rd., Waban 68, Mass., and exhibited at the PGA convention received pro approval as something to help them in the difficult job of teaching timing. The device shows a golfer swinging a club with the stages of the swing coordinated with a metronome series of clicks. Thus the pupil's hearing is brought into the lesson in a manner that correctly paces rhythm. The pros who studied the Adams timer in operation had strong hopes that the mechanism would be of considerable help to them in teaching pupils to swing back in the proper rhythm, to not start the downswing too hastily, to apply power at the right time and to continue the swing through the ball. Adams will send full details of his device on request.

GOLF DICE GAME SCORES—Hailed as the most entertaining dice golf game ever presented, "Gallop Golf" sold this last Christmas as fast as was possible to produce them. Offering competition phases of regular golf—syndicates, scotch foursomes, match or medal play—the game is played with 5 dice, bearing instead of numbers, a description of the shots made or dubbed. Gallop Golf is produced by the Bee-Line Products Co., 615 South Boulevard, Evanston, Ill. Its makers explain that 18 rolls of the dice constitute 18 holes of play, with a par of 72. Average score runs 82 strokes. When introduced in late fall to the pros at the PGA convention, Gallop Golf was received with warm approval.

WILSON HOLDS SALES SESSIONS—Salesmen of the Wilson Sporting Goods Co. met with company executives at the Drake hotel, Chicago, Nov. 24 and 25 in the organization's annual national sales meeting. Wilson's energetic schedule of golf promotion with pro accent was among highlights of the program.

SCOTCH CLUBMAKERS OPEN N.Y. OFFICE—Adam Pearson & Co. Inc., 293 Broadway, New York, have secured U.S.A. representation and distribution of the Donaldson Golf Club Mfg. Co. of Glasgow, Scotland. W. E. Mather of Glasgow is VP. and in charge of the recently opened New York office of Adam Pearson & Co. Donaldsons have been making high quality clubs for many years but have not had a selling organization in America. The Donaldson "Range-finder" woods and irons are being delivered to help meet the demands of golfers who desire Scottish hand-made woods and hand-forged irons. Adam Pearson & Co. propose to carry stock of the "Range-finder" and other lines, but these will be limited for some time owing to the difficulties of supply in Scotland and the heavy demand for clubs in this country. Mather is now booking business for spring and summer delivery. A catalog will be sent on request.

C. K. BRADLEY STARTS OWN COURSE EQUIPMENT REPAIR BUSINESS

Clinton K. Bradley, former course supt., recently associated with Arthur D. Peterson Co., New York, as field service representative, and widely known as a writer on course maintenance subjects, began operating his Special Equipment Service Co., in Mountain View, N.J., Jan. 1. Bradley's organization will do overhauling and emergency repairs on course equipment in its shop and at clubs.

Bradley and his wife recently added another vigorous character to their domestic organization. Their third son, Paul Mexcur Bradley, was born Dec. 12.

WM. COLTART DIES—William M. Coltart, 62, pro at Valley Forge CC (Philadelphia dist.) for the past 15 years died Nov. 19 after a brief illness. He was Scotch-born and served as a pro in England before coming to the U. S. He is survived by his wife and sons, Sidney and Dennis, pros. His brothers, Frank and George and his nephew Bruce also are well known in golf. Mr. Coltart was a fine gentleman sportsman and contributed greatly to the enjoyment of golf and good friendship by the multitude of amateurs and pros who had the good fortune to know him.

Wilson Distribution Speeds Tag-A-Long Service

With the sales of Tag-A-Long golf carts now handled exclusively by Wilson Sporting Goods Co., golf clubs will have over 30 Wilson sales offices throughout the country from which they can obtain Tag-A-Long equipment. Sales and deliveries of all Tag-A-Long carts and replacement parts will be made through the Wilson organization which, with its nation-wide facilities, affords 24 hour service.

Swinging Around Golf

(Continued from page 16)

OLLIE'S ONCE-OVERS

By A. H. "Ollie" Painter, Sr.

(Ollie Painter, Sr. was golf editor of the L. A. Daily News, then succeeded Maxwell Stiles as golf editor of the L. A. Examiner. For about 18 years he directed and managed practically every pro and amateur tournament in Southern California. Now he's asst. to Gerald E. "Redd" Kerr, mgr., San Fernando Valley CC, Woodland Hills, Calif.—Ed.)

D. Scott Chisholm, the one and only, is doing very well in Ojai, Calif. where he's operating a photo shop . . . Johnny Dawson is prime mover of a new course in Mission Valley, San Diego . . . Course is expected to open next summer . . . Darsie L. Darsie, former golf writer, now is editor of the editorial page of the L. A. Herald-Express.

Golf is decidedly on the upgrade in Southern California . . . Strong demand for more courses . . . All clubs are doing fine business . . . San Fernando Valley CC formerly was Girard GC, then Woodland Hills . . . A fire in 1944 destroyed its clubhouse for the second time . . . Then Jack Yates and Robert M. Findlay bought it and started to rebuild . . . They put \$100,000 in a new clubhouse, rebuilding 18 greens and installing new watering system.

Course has been open since April 6, 1942 . . . Building restrictions delayed completion of clubhouse until Oct. 12 . . . The club was lucky in getting as mgr., "Redd" Kerr after he'd finished wartime hitch in the Coast Guard . . . Kerr had been mgr., Santa Monica muni, asst. mgr., Rancho, Lake Arrowhead GC and La Cumbre G&CC before enlisting . . . He was with Las Vegas (Nev.) muni course where Johnny Di-Flores is pro, right after he got out of the Coast Guard.

The club also got a fine break in signing as gkpr. Fred A. Day, formerly with San Marcos at Chandler, Ariz., Rancho and Lake Arrowhead . . . The San Fernando Valley club is 26 miles out from L. A. on Ventura blvd.

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"SOONER" STATE SHOTS

By Floyd Farley

Perry, Okla. building new grass greens . . . Ditto for the second 9 holes designed and constructed by former wrestling champion Labron Harris at the Lakeside club, Stillwater, Okla. . . Harris, former sand greens artist also tough amateur competitor in southwest tournaments, turned pro

this year. He teaches at Oklahoma A. & M. college "on the side."

Chickasha, Okla. installing 9 new grass greens . . . Borden General Hospital at Chickasha turned down Okla. PGA check for \$18,000 to build new course for rehab . . . Hospital is being closed up.

Oklahoma City CC pro Harrell Butler's mother died Dec. 11th at Ardmore, Okla., his old home town . . . Ardmore was starting point of golf architectural work of the famed Perry Maxwell. Maxwell is finishing up the Springfield, Mo. course, also is designing the new country club course at Enid, Okla., where Mrs. Pat Blanton of national tourney fame resides and is a leading factor in golf promotion in that area.

Nine new holes are being added to the already 9 hole Woodson Park layout in Okla. City by Woodson's mgr., Tom Harris . . . Woodlawn GC in Okla. City where Floyd Farley has held forth for 15 years, has been sold and is to become a small food processing plant area . . . 8 oil wells drilled on Woodlawn in 1936.

Twin Hills CC famous 4th green has been torn up and moved back to allow for more aeration . . . in charge of Jimmy Gauntt, pro-gkpr. . . El Reno, Okla. talking about converting from sand to grass greens . . . Altus, Okla. CC has planted 9 new Bermuda greens.

Oklahoma university's 9 hole student course crowded daily—students waiting hours for starting times and rental sets . . . A lot of former G.I.'s learning golf as well as other subjects there . . . Bruce Drake's first love is golf, but he's Oklahoma U's basketball coach.

Paul Blakeney's old Edgemere layout at Oklahoma City has been sold . . . It is now becoming an area embracing a church, park, playground and residential development. Blakeney is in the grass equipment sales and repair business there . . . Conoco CC at Ponca City, Okla., playing on the second 9 now . . . Ready to invite the Okla. PGA sectional tournament for '47 . . . Okla. PGA receives bids for the annual event from state clubs.

BURTON, VET GREENKEEPER, DIES

—Arthur L. Burton, 74, supt., Mountain Ridge CC, Caldwell, N.J., and treas., N.J. Greenkeeping Supts.' Assn. since its inception in 1927, died Dec. 13. He had been with the club for 25 years. He was born in England, emigrated to Canada, then to the U.S. where he engaged in estate and golf course work, in the latter being associated with the late Herbert Strong, architect. Mr. Burton is survived by his widow; two sons, Alfred and George; and a daughter, Mrs. Joseph Herbert. George was his asst. at Mountain Ridge and will succeed his father.

TEXAS SHORT COURSE AT A & M COLLEGE, JAN. 20-22

Southwest district turf short course will be held at Texas A&M college, College Station, Tex., starting at 1:30 P.M. Jan. 20 and closing at 11:30 P.M. Jan. 22.

On the program will be Grau and Ferguson of the USGA Green Section, O. J. Noer, G. W. Burton of the Georgia Experiment station, Tifton, Ga., members of the faculty and research staff of Texas A&M and others prominent in golf maintenance work in the southwest. Indications point to an attendance of more than 150 from Texas, Oklahoma, Arkansas, Louisiana, New Mexico and Kansas.

During the meeting plans will be formulated for establishment of a turf research station at Texas A&M as further extension of the Green Section's regional work in close association with golf club supts., pros and officials, the college staff, USGA Green Section, regional golf associations and other organizations concerned with turf work.

Graham Ross, Glen Lakes CC, Dallas, Tex., will be chairman of the Texas short course.

BURKE HAS DELUXE BALANCED BAG—

A new deluxe model of the Balanced Golf Bag is announced by Burke Golf, Inc., Newark, Ohio. This new bag is made on the same principle as the popular Lightweight Balanced Golf Bag, incorporating in its construction a wooden rod above the mouth of the bag to which the upper end of the carrying strap is attached. This provides perfect balance, making the bag easy to carry, eliminating spilling, sagging and unnecessary dead weight. The Burke DeLuxe Model of the Balanced Bag is larger so that 14 or 15 clubs may easily be carried without danger of scuffing the grips when removing or replacing clubs. It has a commodious shoe pocket in addition to the ball pocket, and comes equipped with draw string hood for the protection of club heads. The bag is constructed of heavier, sturdier canvas in a choice of 3 colors—tan, dapple green or white, all with olive green trim. The carrying strap is made with sponge rubber shoulder pad. The Burke DeLuxe Lightweight Balanced Bag is sold by Burke Golf, Inc., exclusively and will retail at \$9.00 complete with hood. Burke Golf, Inc., will also handle the Standard model Balanced Golf Bag.

BULLIS RETURNS TO BURKE—

Pete Bullis, for 15 years prior to the war with the Burke Golf Co., Newark, O. and one of the most popular golf salesmen in the mid-west, has returned to the company. Pete will handle Burke's pro trade in Wisconsin, Minnesota, North and South Dakota and the upper peninsula of Michigan. Before coming into golf Pete was a catcher in the Eastern baseball league. His second sport now is hunting. He wears himself leg-weary during the pheasant season.

BETCHA DIDN'T KNOW—A. G. Spalding & Bros., set forth some interesting facts about their balls and clubs. Wound rubber thread on a Spalding golf ball is about 100 ft. long. Stretched, it is 400 yds. long, just 40 yds. less than Jimmy Thomson's record drive. Without stretching the rubber in Spalding's annual output of golf balls would go around the world 9 times at the equator; stretched it would circle the globe another 100 times. In a year Spalding uses in its golf balls 600,000 lbs. of balata that requires 200,000 gals. of naphtha in processing. Spalding's golf clubs in a year use enough steel shafting to stretch from St. Louis to New Orleans. The grips on these clubs require hides from 17,000 cows and calves. The iron heads use about 1,500,000 lbs. of soft carbon steel. The wood heads require about $\frac{3}{4}$ of a million board ft. of persimmon. A million feet of trim cord, more than a half-billion screws, and thousands of gallons of lacquer are used in a year's production of Spalding woods.

Guldahl Heads Golfcraft Advisory Staff

Golfcraft, Inc., Chicago, announces the appointment of Ralph Guldahl to head up its advisory staff. Guldahl has designed the new irons and woods to be produced by Golfcraft, Inc. under a five year contract,



Ralph Guldahl signs 5 year contract to head Golfcraft's advisory staff. Pres. Ted Woolley at right.

recently signed with Ted Woolley, pres. of the firm. Other members of the Golfcraft advisory staff include Mike Brady and Bob MacDonald.

While establishing himself as a designer of championship golf clubs, Ralph Guldahl set an impressive record as a player both in this country and abroad. Winner of the National Open in 2 consecutive years and the only golfer to win the Western Open 3 years in succession, Guldahl has won or been runner-up in countless other major tournaments and has twice been selected a member of this country's Ryder Cup Team. Low scores posted by Guldahl include a 281 in the 72-hole National Open and a 72-hole



Ed Delahan, plant mgr., Golfcraft, Inc., and Ralph Guldahl inspect iron head with shaft hole in hozel bored and reamed to within .001 in. limit by special Kingsbury machine.

total of 279 in the Augusta Master's Invitational—both establishing records for the events. Pro for the Medinah CC (Chicago district), one of the country's largest and most beautiful, Guldahl will tour this winter's circuit, playing with his newly designed Golfcraft clubs.

Improved manufacturing methods of Golfcraft, Inc. are being developed under the supervision of Ed Delahan, plant manager. Delahan was formerly a production engineer with the Borg-Warner Corp., for 17 years, chief industrial engineer at the Oliver Corp., and, during the recent war, organized the production planning department of the Douglas Aircraft Co. in Chicago.

The plant modernization program includes the adoption of methods and equipment developed during the war. According to Delahan the objective of Golfcraft, Inc. is to eliminate handwork in the manufacture of clubs, as far as possible, in order to assure precision products.

PETER HENDERSON CO. IN ITS CENTENNIAL YEAR

One hundred years ago this month a Scotch lad, in this country but 4 years, began the Peter Henderson Co., pioneer American seed company. He was the first American seedsman to establish trial grounds to test the seeds he sold. Henderson's company today emphasizes that its "seeds are treated seeds." Henderson had many firsts. It was his company which introduced the famous "American Beauty" rose, in 1885. When the firm was 50 years old it presented a new rose called "Jubilee."

In the vegetable branch of his trade, Peter Henderson's company made fame, also. Best known among the firm's early novelties were the Trophy tomato, Early Summer cabbage, and the Green Prolific cucumber.

Although it was a century ago that Peter Henderson founded his company, his tenets of business are still the rule of his heirs—always be courteous, always answer every seeker of information, and reply to each letter the day it is received.

January, 1947

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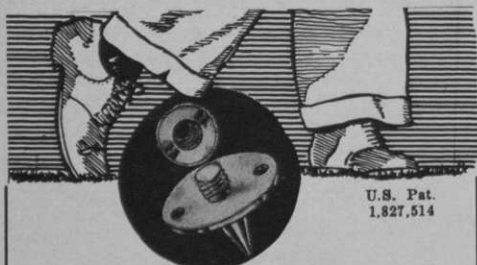
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**J. A. HILLERICH, H & B CHIEF,
 DIES IN CHICAGO**

J. A. (Bud) Hillerich, 80, died suddenly Nov. 28 in the Palmer House, Chicago, while en route from Louisville to Los Angeles for the annual winter meeting of organized baseball. He had been in failing health for several months. Mr. Hillerich was pres., Hillerich & Bradsby Co., makers of golf clubs and baseball bats, and was widely known in the sports field.

In 1884 he established his first plant, after having made in the woodworking plant of his father baseball bats for his own use in sandlot games and for members of the pioneer Louisville Eclipse club. His Louisville Slugger bats became one of the traditions of the game. Approximately 100,000,000 bats have been produced by his plant.

In 1910 he was joined by the late Frank W. Bradsby and the firm was incorporated as Hillerich & Bradsby Co. Louisville Power-Bilt golf clubs were added to the line as equipment sold entirely through pros and the company became an active factor in the golf industry. J.A.'s son, Ward, has been especially prominent in the development of the organization's golf interests.

Mr. Hillerich was a sage, respected and genial leader in sports whose passing is mourned by thousands as a personal loss.

CHICAGO'S BIGGEST YEAR—Robt. S.

Hulbert, reelected pres., Chicago District GA at its 33d annual meeting, Dec. 10, 1946, reported that 1946 has seen greater play at the association's 70 clubs than ever before in history. The association and co-sponsors raised \$137,738.07 since Pearl Harbor for war service causes. From Pearl Harbor on, 23,608 complimentary rounds have been played by servicemen on Chicago courses. The CDGA received \$9145 from handicap cards during 1946. In reporting on 1946 CDGA Victory tournaments the CDGA declared percent of net proceeds to net income as 32; percent of total expense to net income, 68; percent of prize money to net income, 28.4. Ticket sale, less federal tax of \$3520.90, was \$14227.70 and program income, less expense of \$3087.78 was \$18757.22.

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DAVENPORT CC PRESIDENT SURVEYS DUES INCREASES IN MIDDLE WEST CLUBS

Because he was curious about how the general rise in prices has affected the dues paid by country club members in his area, W. J. Henderson, president of the Davenport (Ia.) CC, wrote to 35 clubs in Iowa, Illinois, and Wisconsin, and received replies from 24.

President Henderson found that the average membership of the clubs reporting was 335.

Seven clubs are raising their dues in 1947 with two more awaiting the pending decisions of their boards. The average amount of the raise contemplated in dues for the coming year is slightly over \$15.00.

Ten clubs have raised their dues during the last 3 years. The average annual dues increase made during the last 3 years has been \$27.00. The majority of the raises during the period were made in 1946.

Among the all-year clubs, one will raise dues in 1947 while 6 raised dues in the past 3 years.

Of the summer-season clubs, 6 are going to increase dues in 1947 and 4 raised their assessments in the past 3 years.

The Davenport club at its annual November meeting of members voted to increase dues for 1947 by \$10.00 on all classifications of membership. The club had voted the same raise in 1946.

GOLF ARCHITECTS CONSIDER NATIONAL ORGANIZATION

Formation of a national association of golf architects is being considered. Robert Bruce Harris and William B. Langford of Chicago have been querying established architects on their opinions concerning work such an organization might do in promoting best interests of golf. Preliminary discussions between Green Section officials, architects, GSA officials and others have indicated need for a national association of U. S. golf architects. Present plans are to hold the architects' association organization meeting in conjunction with the GSA 18th annual turf conference and equipment show at New York.

ROYER MIXER BULLETIN—Savings of 69% to 89% in compost production are reported by users of the Royer Compost Shredder-Mixer, according to the new Royer bulletin. By greatly aerating and mixing the materials along with proper shredding, the Royer machine reduces the mixture to a size that most readily yields nutritive elements to plant growth. Machines from small to large can be operated by one man. The new bulletin describes Royer performance in the preparation of compost, mixing of soils and fertilizers and mixing materials for walks and athletic grounds. Illustrated, are 13 Royer models—electric motor, gasoline engine, and belt-to-tractor driven.

January, 1947

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Rhode Island Field Day

(Continued from page 41)

spray at the rate of 25 pounds of actual DDT per acre for Japanese beetle control, was effective in controlling ants.

The compost-topdressing used on the experimental plots is sterilized with "Aero" granular cyanamid by thoroughly mixing 13 pounds with 1 cubic yard of screened (1/4 inch mesh) compost which is stored in open-topped wooden bins in the compost shed for approximately six weeks to provide weed-free topdressing.

The speakers program at the noon luncheon in the college dining room: The toastmaster was Charles H. Hartley, Sec., R. I. Golf Assn.; Dean Mason H. Campbell, Director of the Experiment Station, extended a warm welcome to the greenkeepers and advised them that the Experiment Station was keenly interested in turf problems; for them to bring their problems to the Experiment Station and the staff would be pleased to do what they could in the way of experimental work to be of service to the greenkeepers' interests.

Addresses were given by Marshall E. Farnham, Pres., GSA, who discussed the turf program in its broad scope as relating to all turf rather than any limited phase, and Dr. Fred V. Grau, Director of the Green Section, who stressed the value of cooperation on turf problems; the development of educational programs; and regional research relative to the turf culture.

A brief discussion of important turf problems of 1946, and how they were handled was led by Dr. T. E. Odland. Representatives of the various greenkeeping organizations were asked to discuss their most important turf problem in 1946 and how it was solved. Some questions and problems could not be answered and that is one good reason why more "round-ups" on turf problems are necessary.

WICHITA MIXER STANDS UP—When, in 1931 the W-W Grinder Corporation, Wichita, Kansas, decided to manufacture compost equipment, it had been manufacturing grinders since 1910. With its valuable experience in building sturdy grinders for 21 years as a guide, the W-W Grinder Corp. asked, "What is it that users desire more than anything else in a compost making machine?" "Equipment," was the answer, "that is hardy enough to handle the organic, tough materials that are the source of the finest compost—fibrous roots, hulls of grains and seeds, shrubbery trimmings, bark, cobs, and others." The Wichita mixer machine was so constructed. Its makers state it can handle the toughest materials used for compost and has never yet been damaged by rocks or tramp materials. The repair section of the W-W Grinder Corp. has never yet had to replace any part of the Wichita machine due to breakage from rocks or iron entering the grinder.

Greenkeepers Meeting

(Continued from page 20)

EXHIBITORS AT GSA CONVENTION

American Agricultural Chemical Co.
Associated Seed Growers, Inc.
John Bean Mfg. Co.
Brulin & Co.
Buckner Mfg. Co.
Chipman Chemical Co.
Clapper Co.
C. B. Dolge Co.
Dow Chemical Co.
E. I. DuPont de Nemours & Co.
Fate-Root-Heath Co.
Ferti-Soil Co.
Friend Mfg. Co.
Golf & Lawn Supply Co.
Peter Henderson & Co.
Jacobsen Mfg. Co.
Jari Products Co.
MacMullen-Terhune Co.
Mallinckrodt Chemical Works
Metalsalts Corp.
L. R. Nelson Mfg. Co.
Niagara Sprayer & Chemical Co.
Perfection Sprinkler Co.
Arthur D. Peterson Co.
Chas. Pfizer & Co.
Philadelphia Toro Co.
John A. Roebling's Sons Co.
Roseman Tractor Mower Co.
Royer Foundry & Machine Co.
O. M. Scott & Sons Co.
Milwaukee Sewerage Commission
Skinner Irrigation Co.
Speedy Mfg. Co.
Stump & Walter Co.
Swift & Co.
Toro Mfg. Co.
West Point Lawn Products
F. H. Woodruff & Sons
USGA Greens Section
N.Y.-Conn. Turf Improvement Assn.
N.J. GSA and N.J. Experiment Station
Golfdom

WGA AMATEUR DATE CHANGED—

Western amateur championship will be played at Wakonda club, Des Moines, Ia., July 14-20 instead of July 21-27 as previously announced.

PA. GIRL DESIGNS BERLIN COURSE—

Jean Cole, Allentown, Pa., had two generals and a GI for competition during the first round played on the miniature golf course she designed in Berlin, Germany, for the American Red Cross Crown Prince club. Miss Cole, Red Cross recreational consultant for the Berlin District, is completely responsible for the Crown Prince golf club. She originated the idea, designed each detail, drew the plans to scale and made the colorful drawings which decorate the course. The course was built by an Army engineering outfit under Miss Cole's supervision.

January, 1947

JACK L. DARAY

Golf Architect

Consultant on postwar remodeling

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Wilgro 5-10-5 organic base fertilizer

\$59.00 f.o.b. Chicago, Ill. This is a good fertilizer for greens and fairway work.

Please write for complete folders on these items. Ask for our 1947 Catalog of Golf Course Supplies, ready about March 1st. All prices subject to change without notice.

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Sample spud and circular on request; advise make of tractor and purpose for which intended.

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MAC GREGOR OBSERVING ITS GOLDEN JUBILEE IN CLUB-MAKING

A Golden jubilee year in golf club-making is being celebrated during 1947 by MacGregor Golf, Inc., whose historic background dates back 118 years.

MacGregor craftsmen who moved from Dayton, Ohio to Cincinnati in the spring of 1946, plan to observe the 50th anniversary of MacGregor club-making in the new MacGregor plant in Cincinnati in which is invested more than \$1,000,000 for new machinery and equipment facilities that are unique in the industry.

With the firm's history dating back to 1829, the name MacGregor became associated with the golf

MacGregor developed its Pro-Technical Advisory board which today includes Byron Nelson, Ben Hogan, Craig Wood, Tommy Armour, Tony Penna, Jimmy Demaret, Herman Barron and Claude Harmon.

Henry P. Cowen, MacGregor pres. and genl. mgr., says many new machines for iron club and wood club making replacing operations ordinarily done by hand are starting points of the company's second 50 years of progress.

MacGregor's complete line includes golf clubs, golf balls, golf bags and accessories, tennis and badminton rackets, tennis balls and Craig Wood sportswear.

Executive personnel assisting Cowen in direction of the MacGregor operations involving 400 employees are: Stanley M. Clark, sec. and credit



MacGregor Golf, Inc. executives plan company's Golden Jubilee year. L to R: J. Robert Lysaght, production control mgr.; Allen F. Heeter, genl. supt.; William A. Koegel, sales mgr. (dealer accounts); Henry P. Cowen, pres.; William J. McNulty, vp.; Stanley M. Clark, sec.; Robert D. Rickey, sales mgr. (pro sales).

business in 1874. George Mattern, a member of Coxe's Army in the late 1890's decided to "take a look" at Dayton, Ohio in 1897 and dismissing himself from Coxe's forces sought a job in the MacGregor plant. Mattern was a born craftsman. He experimented on wood for golf clubs as the game was being developed in America.

The first MacGregor golf club head was turned out on a machine used in manufacture of shoe lasts. As last-making was a major production of the firm in the pre-golf club making period, the early clubs were turned out with the adaptations of last-making machinery coupled with the individual handcraft of artisans.

From the small beginning in 1897, MacGregor pioneered refinements in clubs and golf accessories. Veteran "gold-badge" MacGregor craftsmen who have been associated with the firm in development of the science of making golf clubs for the major part of their lives in Dayton are continuing their noteworthy work in the new Cincinnati plant.

MacGregor declares it pioneered in making the first set of perfectly matched clubs and says that notable among MacGregor "firsts" in golf history are:

First to insert a keystone plate to give the club better balance, first to market a four-club set of woods and first to use a steel shaft and a protective sheath finish.

Experience of professional champions in improving clubs was early utilized by MacGregor and names of these men were eventually used on the clubs which they helped to design.

Through cooperation of championship golfers

mgr.; William J. McNulty, v.p. and genl. merchandising mgr.; William A. Koegel, sales mgr.; Robert D. Rickey, advertising director; Allen Heeter, general factory supt. and Robert Lysaght, production mgr.

Cowen who entered the sporting goods business in 1930 after graduating from Cornell University served as v.p. and assistant genl. mgr. with the late Clarence H. Rickey in operation of the MacGregor plant in Dayton and succeeded Rickey as pres. and genl. mgr., following Rickey's death 2 years ago.

MacGregor has installed an entirely new manufacturing unit for production of golf balls. C. C. Ryden with years of experience in golf-ball production is directing the department.

PRO LAUDS GREENKEEPERS — Ed Livingston, pro at Minnehaha CC, Sioux Falls, S. D. and a well known official of basketball and football in the Dakotas, was a guest columnist for the Sioux Falls Argus-Leader when sports editor Spence Sandvig was on vacation. In the column he wrote Ed suggested "an orchid for the unseen or forgotten men in golf, the greenkeepers." He paid tribute to Cliff Anderson, gkpr. of the Elmwood Park club and Charlie Stringham, Minnehaha's gkpr., for being "constantly on the job making improvements which add greatly to the beauty of the courses and striving to keep the greens and fairways in fine shape at all times."