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cancer in Nov. at the age of 55 . . . A writer for 25 years, Mr. Williams conducted two columns, "Fairways" and "Sports Run" for the Austin paper . . . He was a vp of the Texas Sportswriters Assn. and a life member of the Austin Golf Assn. . . His son, Morris, Jr., a golf professional, was killed in a jet plane training accident in 1953 . . . Young Williams played with three Texas U. golf teams, was NCAA runnerup in 1949 and in 1951 won both the Texas Amateur and Texas PGA titles.

If the 29th national GCSA turf show is not well attended, it won't be the fault of the district and local GCSA groups . . . Practically all of their bulletins in recent months have called attention to the Washington meeting . . . New Jersey PGA elects Jim Warga pres.; Emery Thomas, 1st vp; John Cafone, 2nd vp; Joe Dante, secy.; and Jack Mitchell, treas. Fred Baker is honorary pres. . . . Andy Sikora was voted pro of the year by the Jersey group . . . At its annual meeting, the N. J. Section took steps to set up a pension plan for its members . . . Attempts will be made to bring the Philadelphia Section into the plan . . . Any others that are interested are asked to get in touch with Andy Sikora, Beacon Hills CC, Atlantic, N. J.

John G. Evans, pro-supt. of the Geneva-on-the-Lake (O.) Mundy course for the past 20 years has accepted a similar job with the Ridge Manor G&CC, Dade City, Fla. Evans' wife, Edith, will manage the snack bar and look after the pro shop . . . The first big project for the new pro-supt. will be to supervise construction of the second 9.

Harder Hall hotel, Sebring, Fla., opens its \$250,000 18-hole course and clubhouse . . . Ben Roman of Rockrimmon CC, Stamford, Conn., heads Harder Hall pro staff in winter . . . With him are George Buck, Frank Clark, Tony Marlow, Fred Goldbeck and John Masley . . . This is Sebring's third course.

Westview CC, Miami, Fla., opens second 9, constructed by Mark Mahannah . . . Neatest, most legible scoreboard we've seen in years at golf tournaments was that at International tournament in Tokyo . . . Figures were painted on by silkscreen process that sign painters use.

There are 12 golf courses in and around Manila and 7 on other Philippine islands . . . Willard Wilkinson, American golf architect now making headquarters in Honolulu, designing another course to care for Filipino golf boom . . . There are about 80 golf ranges around Tokyo and they're getting a lot of play . . . Much play is from people who never have been on a golf course.

Bill Ballantine now supt. at new Tequesta Club at Jupiter, Fla., where Dow Finsterwald is pro . . . Garland Attaway has retired as supt., Hollywood Beach (Fla.) Hotel course and has been succeeded by Cliff Revells, formerly of the Key Biscayne Hotel par-3 course at Miami . . . Joe Whitehead of Barco, Inc., course equipment dealers of Lake Worth, Fla., says supts. are talking about great job being done by Jim Vigiotti at the course Red Lawrence designed

and built for Diplomat CC at Hollywood, Fla. . . . Jim was very well known in NY Met district course maintenance work prior to moving south to go on the job for Lawrence . . . He will stay at Diplomat as supt.

Bob Dale, pro-supt. at Galion (O.) CC, with Robert Trent Jones in course maintenance capacity at Coral Ridge Club, Ft. Lauderdale, Fla. in winter . . . Despite freeze in Dec., Florida supts. being praised highly on fine condition of their courses . . . Ernie Felton, supt. of La Gorce CC, Miami Beach, especially lauded for condition of his course the past 12 months.

Chicago District Golf Charities, Inc., of the CDGA paid out \$8,229.88 for golf welfare work, mainly at vets' hospitals and children's camps, and has \$20Gs in its kitty for remodeling course at Downey hospital at Great Lakes Naval Training station . . . CDGA membership now 105 clubs . . . Its Directory of Information, issued annually and containing club personnel, financial and operating data, is the most useful job of that sort done by any golf assn. . . . The Detroit District Golf Assn. has the only round-up of information that is close.

Curling getting a lot of play this winter from golfers in northern and central states and in Canada . . . It's a Scotch game, too, and to get a very good idea of the game, its facilities and how to play it write to Dar Curtis, 21 Indian Hill Road, Winnetka, Ill.

Helen MacDonald has opened her new golf school at 18 E. Erie, Chicago, Ill. . . . Helen has been making a success of teaching golf and running an indoor golf school longer than any other woman pro . . . Not more than three or four men pros have operated indoor golf schools longer than Helen . . . She operates the year around . . . Armand (Chap) C. Chapeau, gen. mgr. Druid Hills GC, Atlanta, back on the job after heart attacks that nearly knocked him out . . . Great worker, that guy; almost worked himself into the Deep Six.

Torakichi Nakamura, winner of the International Hopkins trophy, is pro at Kinuta GC, 30 minutes from center of Tokyo, a 9-hole course that is lit for summer night play and gets a lot of it . . . Tucson (Ariz.) CC will have its 10th annual invitation tournament Feb. 26 thru March 2 . . . Pro Errie Ball advises the tournament will have a new formula - a best ball competition . . . Field will be closed at 192.

Big Christmas gift sale of 1958 National Open tickets made to members of Southern Hills CC, Tulsa, Okla., where the championship will be played June 12-14 . . . Gift certificates for Open, practice rounds and play-off sold for \$14 . . . They'd be \$26 at single admission prices . . . Grounds and clubhouse Christmas gift tickets sold for \$20 and will sell at time of Open for \$36.

Patty Berg women's tournament at Minneapolis, July 10-12, with pro-am July 9, will be a feature of the Minnesota Centennial . . . E. N. (Nick) Ayer, green chmn., Olympic Club, San Francisco, during the 1955 National Open, re-

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cently elected pres., California Seniors GA . . . They will roll out the red carpet for the USGA National Seniors championship at Monterey Peninsula GC, Sept. 29-Oct. 4 . . . By the way, Lawson Little, who lives close to Monterey Peninsula course is recovering from heart attack he suffered last summer.

Tampa group headed by Col. James Huffman, starts building clubhouse near Lake Wales, Fla., as first item in plan to develop a Palm Springs sort of country club project . . . PGA co-sponsored tournaments this year will have more than \$1 million prize money, says J. Edwin Carter, PGA Tournament Bureau boss . . . Unofficial prize money for the year will be in excess of \$400,000 . . . New pro-am plan of Tournament Bureau bases money distribution on field of 50 pros.

The pro minor league tournament plan gets a test when events are played in Panama, Jamaica and Puerto Rico from Jan. 23 thru Feb. 3 . . . George Hall, Cornell university pro, will manage the tour.

First big invitation senior tournament of the year, that at the de luxe Lakeside CC course, Point Clear, Ala., keeps its field to "comfortable capacity" . . . Restriction on the size of the field, says pro Andy Mortimer, helps make play faster and better.

Joe Kirkwood had one of his big years in 1957; in addition to exhibitions at U. S. clubs Joe put on his trick shot show at many Canadian clubs where he hadn't been for years . . .

Joe is spending January and February in Florida, making his base at Boca Grande . . . Joe says he put 184,000 miles on his present Cadillac in 2 years, 2 months . . . He had one Cadillac that he drove 373,000 miles.

A. L. Chapman as pro to George Diamond's CC (formerly Chain o' Lakes) at Antioch, Ill. . . . "Speck" Hammond, tournament supervisor for Southern California PGA operates at about 40 tournaments a year . . . The SC PGA tournament program is self-supporting . . . Publicity given Japanese girl caddies at International GA championships brought out word from Jim Gaffney, pro at Concord (N.H.) CC that their club has about twice as many girls as boys caddying and the girls do mighty good caddying jobs.

Jerry Bell, in 5th year as pro at Greeley (Colo.) CC, claims his 9 greens (with 18 tees) are finest greens in the state . . . Club has 300 members with 85 women in very active golf program . . . Joe Moriarity, Bell's former asst., this year goes to Casper (Wyo.) CC as pro . . . Bostontown (O.) to have its new 18 open this summer . . . Jack Thompson, jr., son of the widely known Ohio pro veteran, will be pro at Bostontown.

Big party at Bel Air CC, Los Angeles, Dec. 15, marking Joe Novak's 30 years as the club's pro . . . Pros like Joe are great reasons for a club's membership celebrating . . . Clubhouse rebuilding, with new pro shop, and

(Continued on page 82)

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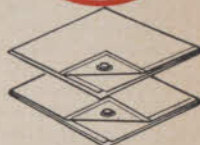


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Noer — Turf Roundup

(Continued from page 40)

50 pounds per acre along with a wetting agent. The sodium arsenite is allowed to burn for two to three days. Then water is applied, if needed, to provide optimum soil moisture for growth. The surface is prepared for planting by using an Aerifier, discer, spike disc, or Renovataire enough times to loosen the soil. Bermudagrass stolons are scattered over the surface and cut into the soil with the modified farm disc. The surface is kept moist until the newly planted grass becomes well established. All eighteen fairways are seldom changed at one time. After the first ones are in turf the grass along the edge of one or two fairways is allowed to grow to provide stolons for successive plantings.

The strain used must produce a dense, tight turf. Otherwise it will not resist common Bermuda. It should not thatch badly and should exhibit no tendency to become puffy. Turf of that kind is unpopular with the golfer and is the reason most of them do not like to play fairways planted

with Tifton 57 strain. In every other respect this is one of the most vigorous growing and disease-resistant Bermudagrasses.

Large tees on new courses exemplify the problem confronting many supts. on old courses. The small, postage stamp size tees may have been large enough when play was light. Increased interest in golf by women as well as men has doubled, trebled, and quadrupled play on many courses. Nobody can keep good turf under these conditions on small sized tees. A program of modernization is the only answer.

There should be a long range program based upon a survey and study of every hole. The size and shape of the enlarged tee, or the new one in a different location, should be determined and approved by the green committee. Instead of building three or four small tees for each hole requiring much hand labor, the better way is to build one large tee, or two at the most, and design them for power maintenance. Abrupt sloping edges are a thing of the past. Long, gentle slopes which can be cut with a tractor and fairway mower simplify maintenance

and are more in keeping with a pleasing landscape than high, platform tees with steep sides. That is not nature's preferred way of doing things.

The program should start with the small sized tees on par 3 holes and progress to the next bad ones until completed.

Heavily Played Courses

The choice of grasses is a perplexing one in the North. Common Kentucky bluegrass and fescues are not the best answers on heavily played courses. In the area north from New York to Chicago creeping bents seem better. There are some very good tees of Merion bluegrass in this region. A minimum of water and ample nitrogen fertilizer seem to be partly responsible. One supt. waters generously every 10 to 14 days, and uses 1 lb. of actual nitrogen per 1,000 sq. ft. each month. The turf is very good. Merion seems to withstand fairly heavy weekend play when weekday use is moderate to light. The East had a dry summer in 1957. What will happen to Merion after several successive wet summers is hard to say.

There are some satisfactory poa annua tees in the cooler parts of the North. Several Michigan supts. have learned how to live with it on large sized tees. They use sufficient water and apply nitrogenous fertilizer every two to three weeks. In hot weather daytime wilt is stopped by prompt syringing. The poa annua may take a beating after heavy rains in hot, humid weather, but recovers when the weather changes. After a bad winter, growth and recovery are slow when spring weather remains cool with very cold nights.

Favor U-3

Clubs in the intermediate belt extending from Philadelphia and Washington to Kansas City are veering toward Bermuda for tees. U-3 seems to be their preference. It is among the best for winter hardiness and holds its color fall and spring better than common Bermudagrass. A heavy mower is needed to keep turf tight and satisfactory for play. Winter survival depends in part upon keeping the tees out of play after fall growth stops. Some clubs put markers up front and resod the worn strips in the spring. Others place the markers out front and a few clubs try to provide alternate tees for fall, winter, and spring use.

In the far South Bermuda continues to hold first place for tees located out in the open. Common Bermudagrass is used most, but selected strains are gaining favor. Ormond, Gene Tift, Everglades 1, and Tifton 328 are popular choices in the Southeast. Local selections are being tried in other parts of the South.

Kentucky bluegrass is the most popular grass for roughs in the Mid-West and parts of the East. On acid soils of the Northeast, fescue and the colonial bent grasses predominate. Some clubs express a desire for sheep fescue, but have not been able to buy the seed. Possibly they could substitute hard fescue. Seed of it is being produced in western Washington, but only in a limited way.

There is a trend toward cutting the roughs at two different heights. Closer cut rough adjacent to fairways is often cut with reel-type mowers. The strip is the width of two gang mowers. On watered fairways this part of the rough becomes invaded with clover and bent grass. Rotary mowers are frequently used to cut the higher part of the rough. The turf is generally a pure stand of bluegrass or fescue.

Courses in the South continue their search for a better grass than Bermuda for the roughs. Players are penalized unduly when there is a heavy growth of Bermuda. Tall fescues offer some promise, particularly in shady spots where Bermudagrass will not grow. Bahia is being tried in Florida. The final answer may be different than anything tried so far. Clubs should alert southern turf investigators and urge them to search for a satisfactory grass.

Pennncross Has Promise

Pennncross looks like the most promising new development in the field of cool season putting green grasses. So far it has given a good account of itself. Turf on the putting greens at the Fairless home, Pine Valley, is exceptional and has behaved well over a three- to four-year period in a spot where summers are apt to be hot and humid. Good stands have been obtained with a seeding rate of 1 lb. per 1,000 sq. ft. One way to get uniform distribution is to bulk the seed with dry topdressing and go over the area four to six times. The price of Pennlu seed dropped appreciably this fall — to about 50 per cent less than before.

Pennlu was always a top ranking grass on plots at State College, Pennsylvania. In spite of this, it is losing favor with golfers because of its tendency to produce a fluffy turf. In every other respect Pennlu has lived up to expectations except that some supts. in the Louisville-St. Louis belt think it more susceptible to pythium. This may be coupled with some adverse maintenance practice.

Old favorites, such as Arlington, Congressional, a mixture of the two, Cohansey, and even Toronto, Washington and Old Orchard are favorites with some.

The behavior of the bentgrass greens at Richland in Nashville, Tenn., has created an interest at other clubs there. Belle Meade is building three bent greens under the direction of Charles Danner. Arlington bent is to be used. The topsoil is a light, sandy loam placed on a gravel blanket over the subgrade. Surfaces are contoured to provide quick run-off of surplus water in several directions.

There is a marked trend toward the finer textured Bermudagrasses in the deep South, especially in the parts where there is little likelihood of success with any of the bents. No one grass is the choice, but Tifton 328 seems to be gaining ground in the Southeast. Sea Island started with this grass on several greens. Baumgardner thinks highly of it and has started to change all greens to it. Tifton 328 seems to be less badly affected during the spring transition period than common Bermuda.

Woodmont in Nashville changed its first green

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to Tifton 328 in the spring of 1957. Pete Grandison first killed the common Bermuda-grass with methyl bromide. Incidentally, when methyl bromide was used on the stadium at the University of Illinois, the station staff nematologist reported that they had eliminated the predatory nematodes in the soil. He did not know whether they were present in sufficient numbers before to harm the turf. Several days after methyl bromide was used the Woodmont green was cross-aerified several times. Sprigs of Tifton 328 Bermuda were inserted in the holes which were pressed shut. The green was rolled, topdressed lightly and kept damp to hasten growth of the sprigs. By midsummer there was a good cover of grass.

Sprigs Recommended

Use of sprigs appears better than the use of plugs for planting. Grass above each plug produces a mound. This retards development of a uniform surface. Growth from sprigs is uniform and creates a uniform surface from the start.

The problem of overseeding on fine textured

Bermuda greens is being raised because some think domestic rye is not the best answer. Some propose trying bluegrass, and others plan to experiment with red top alone or mix it with Seaside bent. Seaside, when used alone, germinates quickly, but does not stool out rapidly so greens are not good until late winter or early spring. Then they are perfect for the balance of the season. Red top produces cover quickly. Two mixtures will be tried by one supt.; one part red top and two parts Seaside, with the other one consisting of equal parts of red top and Seaside. The seeding rate will be 3 lbs. per 1000 sq ft. in both cases.

Seaside has done well when used correctly. The seed is exceedingly small and should be planted after the Bermuda green has been topdressed rather than before, which is customary with rye grass. Rye seed is large and grows best when covered with 1/4 to 1/2 in. of soil. The comparatively large amount of topdressing needed to bury common Bermuda stems often smothers the bent seed when it is planted first.

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Sargent Heads PGA

(Continued from page 22)

will be played. In 1958 the new Colorado section, which includes part of Wyoming, will play its first championship.

Robert Goldwater, Phoenix department store owner and amateur golf association official, was elected PGA advisory committee chmn., succeeding the late John Jay Hopkins. Robert Leacox of Kansas City was elected advisory committee vice-chmn. and Harry Radix, Chicago, was reelected sec. Tom Lanphier, Jr., San Diego and B. C. Gould, Detroit, were brought onto the advisory committee.

It was made plain at Long Beach that the advisory committee in the future would have an informed and active function in keeping with its name. Advisory committee members have been concerned about the controversial publicity involving the tournament bureau and the failure of the PGA to get effective publicity on the service of club professionals to golfers. There committee members also have been embarrassed about being kept in the dark on deals that, according to some informed PGA men, had the association being led into the role of babes in the woods.

Grau — Turf Roundup

(Continued from page 44)

Among these are the folks at U.C.L.A., ie, Stoutemyer Youngner, who write favorably of Bermuda-poa associations. Another is Jim Haines at Denver who has Washington bent greens which fill with poa in the fall when the bent goes dormant. During our recent visit in Canada we saw another set of perfect Washington greens managed by John Steel at St. Charles CC in Winnipeg. Here, too, poa is the perfect winter companion to Washington bent. It would be wrong, and could be disastrous, to attempt to eliminate poa in these and many other cases. There is considerable merit in understanding poa and in learning to live with it.

Research on chemicals to destroy poa annua without injuring the good turfgrasses has not yet come up with the answer, even though there are some promising leads. It can be stated rather conclusively that the stronger strains of grasses, plus adequate fertilization, with minimum irrigation consistent with good playing turf, is still a very excellent control for poa annua.

Unintentional Omissions

We know that we have mentioned only a few of the outstanding people and outstanding events of the year. For the omissions we have made, we ask your indulgence. It is impossible to mention everyone who is playing an important role in developments in the turfgrass world.

Before we end this Roundup, however, we would like to suggest that each of you go to your GOLFDOM file and read the 1956 Roundup in the October, 1956 and January, 1957 issues. Much of what we said then we would like to repeat, but to save space and your time and our publisher's money, we urge you to re-read the 1956 Roundup. It will be worth your time and effort.

Use More Fertilizer

In summary, we'd like to leave just one or two thoughts with you. For better turf, learn to use more fertilizer and less water. Test the new grasses side by side in your nursery to find out which one you are going to use to replace the present unsatisfactory turf. Test also the new tools and the new fertilizers side by side in your nursery so that you will know, beyond the shadow of a doubt, the ones that will fit best into your management program. Keep up your visits to other golf clubs. Continue to attend educational conferences. Take notes and don't be afraid to share your experiences with others. Write reports. If each supt. would help the members of his club to have better lawns, what a change there would be in the lawns of the country. There are many free services to turf through Extension Service. See and learn to know your County Agent. Keep your membership informed of what you are doing for them and keep in touch with GOLFDOM for your reference list of turfgrass publications for your library. When the pinch on water really comes, don't get caught with a bunch of succulent turf.

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Northrup, King & Co. production field of Penncross creeping bent.

now being produced in large quantities in Oregon, particularly by Northrup, King & Co., Albany, which will supply first-generation seed for planting early this spring. Where Penncross has been planted early in the spring, it is said that substantial turf satisfactory for putting, has sometimes been available by mid-summer.

McKay Named VP at Dunlop

William H. McKay has been named vp of Industrial and Public Relations and secy. of Dunlop Tire & Rubber Corp. He succeeds John F. McCann who retired due to poor health. A 30-year veteran with Dunlop, McKay, for the last four years, has been occupied in helping to reorganize manufacturing operations. He is a graduate of Dartmouth College and at one time was a personal management lecturer at the University of Buffalo evening school.

Brewer on Fawick Staff

Latest addition to Fawick Flexi-Grip Co.'s advisory staff is Gay Brewer, Jr., 25-year old circuit pro who plays out of the Cincinnati CC. Brewer turned pro in 1957 and distinguished himself in the Kansas City, Western, Philadelphia and Canadian Opens.

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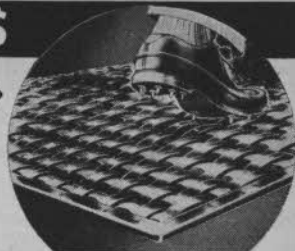
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Toro Includes Many New Features in 1958 Power Mower Line

Futuristic styling and unique advances in ease of operations are important features of the 49 consumer and institutional machines in Toro Manufacturing Corp's 1958 power mower line. Two new rotary models in the fixed power line are being introduced this year and each features futuristic styling, height-o-matic wheel adjustment and aircraft-type control. They are the 18-in. and 20-in. Whirlwind DeLuxe. Height-o-matic permits easy cut adjustment without use of tools and aircraft control combines choke, throttle and ignition switch in one lever. Also new in the 1958 Toro line are the 20-in. self-propelled Whirlwind DeLuxe, reel-blade 20-in. Sportlawn and the 25-in. Colt Rider. The Toro Power Handle line now has a new 25-in. Sportlawn mower, the 11th component in this famous line.

Other features of the 1958 Toro power mowers include: die-case aluminum housing; safety-slip clutch; auditone muffler; baked enamel finish and corrosion-resistant plating.

Stone-Tarlow Introduces Ben Hogan Golf Shoes

A new line of popular-priced, quality golf shoes designed and endorsed by Ben Hogan, and bearing the celebrated golf star's name, has been introduced by Stone-Tarlow Co., Inc. Ben Hogan golf shoes will be sold through pro shops exclusively. The line will include nine men's golf shoe styles and two men's Country Club loafer models.

A self-selling Ben Hogan display unit, designed to produce maximum sales in a minimum of space, is being offered to pro shops at one-half its actual cost. The unit carries a representative range of styles and sizes as determined by extensive field tests of the golf shoe market.

DBA Products in New Plant

DBA Products Co., Inc., is now located in its new plant at 350 County Line rd., Deerfield, Ill. The new building, encompassing 15,000 sq. ft., houses the firm's general office, mixing rooms, laboratory and warehouse. This is the third major expansion of the company's facilities in recent years.



International Harvester's new McCormick No. 7 fertilizer distributor, available in 8, 10 and 12-ft. widths, can handle practically any spreadable dry material in pellet, lump or powder form. Agitators move material to feed wheels which perform a wiping action to keep distribution holes open. Slide, hopper bottom, feed wheel shaft and lid are easily removable for cleaning.