Snead Target in Drizzler Driving Contest

"Slammin' Sammy" Snead will match drives with golfers throughout America in the "Drizzler Driving Contest" beginning March 20, which is sponsored by McGregor Sportswear. Fifty prizes — ranging from a one week vacation for two at White Sulphur Springs, West Virginia, complete with a daily golf lesson by Snead, to radio and television sets and golf equipment, will be at stake. In addition, the fifty finalists will each receive a McGregor Drizzler Jacket.

Promotion plans for the contest include a "tee-off" advertisement in full color in the March 19 issue of Life Magazine, followed by ads in more than 3,000 newspapers. Club professionals and McGregor dealers will be supplied with promotion and publicity kits to help take full advantage of local publicity possibilities generated by the contest. Pros who stage and supervise Drizzler Driving Contests at their clubs will be compensated by the sponsor for their services.

Snead will make three drives off the first tee at Greenbrier Country Club, his home course, on March 20 which will be measured by Cary Middlecoff and Gene Sarazen and officially recorded for contestants to shoot at. During the rest of the contest Snead, Middlecoff and Sarazen will comprise the National Rules Committee of the Drizzler Driving Contest with headquarters in New York City. The fifty finalists, selected on the basis of the longest average drives, will engage in a final driving contest for prizes on April 26.

Wilson's Bob Haggerty Dies

Robert Haggerty, Sr., a member of the New York office of the Wilson Sporting Goods Company for more than 30 years, died of a heart attack January 11, 1954 at the age of 57 years.

Haggerty was closely associated with the development of the company since joining the organization in May, 1923. His excel-

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lent work in professional golf activities was responsible for the establishment and growth of one of the finest pro golf divisions in the company. During his career with Wilson, Bob won the respect and affection of the entire industry, particularly in the eastern part of the country.

He is survived by his widow Elsie, and by his son Robert who is also a member of the Wilson staff in New York.

Fred Halloran Dies

Fred J. Halloran, for the past 22 years a member of the sales and service staff of George A. Davis Co., Inc., Chicago, died suddenly January 6, 1954, at the age of 54, after a brief illness. Born on an Illinois farm, Fred worked at a variety of jobs after leaving school until he joined the Marines, with whom he served in France in World War I. Upon his discharge he came to Chicago and began his turf field work as a power mower salesman. Fred won a host of close friends throughout Chicago's golf and park maintenance fraternity, particularly those of the North Shore district, who regarded his able, ever ready and sincere team-work one of their most valuable assets. He is survived by his widow, Frances, two sons, two daughters and a grandchild.

Supts.' Use of Research

(Continued from page 32)

one or two respects usually but in other respects may be no better than existing strains.

Ferguson said that not one of the 100 experimental strains pass tests warranting their release and even after these approved strains are available they require informed expert management. He referred specifically to Merion bluegrass resistance to helminthosporium and the hardiness of U3 Bermuda in cooler climates as factors recommending the varieties in certain sections. He pointed out that varieties are not tested in every section before their release hence require adjustment by management to many localities.

Ferguson stressed that the finer-leafed Bermudas require special management techniques, especially in controlling their tendency to form thatch. Natural selection is the most important of the grass breeder's tools, said Ferguson in counseling supt.s. to be on the watch for grasses that are doing particularly well on their courses. He said there was a parallel between a
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great racehorse and grass in that the horse and the grass both might have breeding from championship stock but both required expert training and management.

Problems of cool and warm season grass management vary so much and are in such large and important geographical divisions that the GCSA convention held two group sections Jan. 8. These sessions will be covered in the March issue of GOLFDOM.

Efficiency Rating Suggested

The final joint session of the conference, under chairmanship of Ward Cromwell, Lockmoor Club, Grosse Pointe, Mich., led off with a thought-provoking address by James R. Watson, Jr., Toro Mfg. Co. agronomist, in which Watson proposed that a supt. might rate the efficiency of his operations by studying the possible preventable waste in his operating procedure.

Watson's paper is on page 54 of this issue of GOLFDOM.

Policy Cause of Poor Turf

O. J. Noer, Milwaukee Sewerage Commission's widely known, widely traveled turf expert, summarized in his usual thoroughly practical manner, his observations and judgments of turf experiences in 1953.

This durable and helpful authority said maintenance of courses in central and northern states is complicated by lack of enough men on year-around employment basis. Neglect of winter or early season work is a frequent cause of midsummer trouble, Noer asserted. By the time a supt. gets seasonal help or kids trained it's too

Marcus List, Glengarry CC, Toledo Ohio, receives from tournament chairman Jim Thom- son cup presented by the USGA to the winner of the championship flight of the annual GCSA Tournament held this year for the first time in conjunction with the annual Turf Conference and Show. The 36 hole, two day event was played over the Plantation CC course, Ft. Lauderdale and the Miami Springs CC course at Miami.
1954 TURF CONFERENCES

Feb. 8-9—ANNUAL CONFERENCE OF MID-ATLANTIC ASSN. OF GC SUPER-
INTENDENTS, Lord Baltimore Hotel, Baltimore, Md. E. N. Cory, Director.


Feb. 22-25—7th ANNUAL CORNELL TURF CONFERENCE, Cornell University, Ithaca, N. Y.

Mar. 1-3—MID-WEST REGIONAL TURF CONFERENCE, Purdue University, Lafayette, Ind. W. H. Daniel.

Mar. 8-10—20th ANNUAL IOWA TURF CONFERENCE, Iowa State College, Ames.

Mar. 11-12—MASSACHUSETTS TURF CONFERENCE, University of Mass., Amherst.

Mar. 10-12—MINNESOTA TURF CONFERENCE, Curtis Hotel, Minneapolis.


Mar. 15-16—OHIO STATE TURF CONFERENCE, Ohio State University, Columbus.

Mar. 17-19—5th CENTRAL TURF MEET-
ING, Ontario Agricultural College, Guelph, Ont.

Mar. 29-30—3rd WESTERN TURF CONFERENCE, University of Saskatchewan, Saskatoon.

Apr. 5-6—SOUTHERN TURF ASSOCIA-
TION ANNUAL MEETING, Jackson (Miss.) CC.

Apr. 21-22—9th ANNUAL SOUTHEAST-
ERN TURF CONFERENCE, Tifton, Ga.

Aug. 5-6—UNIVERSITY OF FLORIDA TURF CONFERENCE AND FIELD DAY, Gainesville.

Aug. 19-20—23rd ANNUAL RHODE ISLAND TURF CONFERENCE AND FIELD DAYS, University of Rhode Island, Kingston.

Oct. 4-5—SOUTHERN CALIFORNIA CONFERENCE ON TURF CULTURE, University of California, Los Angeles.

Oct. 4—FIELD DAY, Oregon Experiment Station, Oregon State College, Corval-
lis.

OTHER MEETINGS

Feb. 7-10—CLUB MANAGERS’ ASSN. OF AMERICA ANNUAL CONVENTION, Atlanta Ga.

late to do much good.

Noer, who deservedly enjoys confidence of chairmen as well as of supt., blamed top management policy’s failure to make golf course jobs comparable with those of industry generally in pay and security, for wasteful and unpleasant turf conditions at numerous courses.

He remarked, parenthetically, that on an hourly basis the pay of many supts. might be less than the average pay of the help.

He said that the bents are moving south but he thought that it would be a long time, if ever, before they justified headaches, vigilance and expense south of Atlanta. He said the better types of natural warm season grasses were the south’s best bet, but spoke of excellent performance by CI and Old Orchard in locations where elevation and/or dryness were favorable.

Noer cited work by Charley Danner in modifying texture of existing soil as an example of what is being done on the fundamental job of improving soil. He also told of work being done in improving drainage to move excess water out fast.

He gave a quick round-up of work done by Hoerger, Hall, Tift, Robinson, Burton, Baer, Nutter, Watson and others in discovering and breeding grasses that have figured in the tremendous improvement of southern courses. He said that the first thing to look for in a new grass is player acceptance for the strain, then disease and insect resistance.

Other Turf Zones Surveyed

Noer also concisely surveyed turf conditions in the northern and intermediate zones, pointing out that able management was the prime factor in getting any good strain to perform in its best manner. He told of U3 Bermuda in Pine Valley fairways with dye spraying to provide color. He thought that in some cases use of dye might be added to mowing as a labor factor in adapting warm season grasses to play farther north.

Merion bluegrass, he said, has accounted for some very fine areas but when seeded into established strains or mixed with aggressive grasses doesn’t behave too well. Cases of rust on Merion, Noer believed, have been aggravated by too much watering.

In northern and central areas Noer said fairway trend was strongly toward bent because it would stand watering and close
mowing. He observed that promiscuous use of 2,4-D was damaging bent fairways and encouraging weed invasion.

In telling about fungicide advances Noer reminded supts. that fungicides can't correct what is fundamentally wrong in construction and/or maintenance.

Trouble on greens aprons Noer said was common in 1953 basically because of friction from mower drums bruising the turf when it is wilting. He said power greens mowers are being operated too fast just as fairway mowers were when corrugated fairways were a common complaint.

**Architecture, Maintenance Coordinated**

Supts.' keen interest in golf architecture from the maintenance and shot testing perspectives was made manifest in the extensive question and answer session that followed Robert Bruce Harris' talk on "The Impact of Course Design and Construction on Turf Management."

Harris illustrated his talk with blackboard sketches showing examples of right and wrong in design and construction.

He said that the trapping problem was one testing the genius and restraint of the architect as too many and poorly placed bunkers penalized players and budgets heavily and unnecessarily.

In a diplomatic way he got across the idea that considerable of the useless bunkering was the result of architectural features dictated by inexperienced judgment. Supts. agreed with him that it was economy in money and headaches to have course ar-

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placed groups of large planting of native material rather than small trees and shrubs.

How to measure a golf hole was one subject of lively discussion after the Harris address. The Rules of Golf book in giving information on measuring par directs correct general procedure in measuring. But reference to measuring along "line of play" is confusing due to uncertainty about line of play. On dogleg holes because of championship play calling for longer carries than usual play, the championship distance may be shorter despite tees being placed farther back, than the line of play for most golfers.

Johnson Tells of LA Public Golf

Wm. Johnson, supt. of Los Angeles Park dept.'s 7 course system (to which 4 courses are being added), told of the policies, planning and operation the LA system has devised to contend with a serious shortage of public courses in the area.

Johnson remarked that metropolitan Los Angeles now has 20 fewer courses than 25 years ago and has 13,000 registered to become able to play its muny courses on Saturdays, Sundays and holidays. The capacity of the LA muny course on any one day is 3580. He said that the demand for golf is so strong that 9-hole, pitch-and-putt, or 6-hole courses must be installed when the traditional 18-hole courses can't be provided soon.

The Johnson paper, reflecting a great deal of close, valuable cooperation between Johnson, George Hjelte, LA supt. Recreation and Parks, and other teammates in first class conduct of an important civic asset, will appear in full in GOLFDOM.

The conference was briefly summarized by Marvin Ferguson, USGA Green Section, in high-spotting each address.

Wm. H. Daniel of Purdue university presented a parallel between a football team and the organization for better turf. He placed the chairman as the center who passes the ball back and initiates the play. The supt. is the quarterback who calls the play. The tackles are the equipment; mowers, sprayers, tractors, ball washers, etc. The guards are the fungicides and other chemicals. The ends are the research and extension men. The halfbacks are the grasses and the fertilizers and the fullback,
who's called on when the team needs a yard, is the labor force.

Daniel made it plain that the turf team, like the football team, had to work together with every man being good and filling his assignment or there'd be no victory.

He cited research problems involving complicated factors that had the quarterback (supt.) calling on an end (research) for making the distance. He mentioned that on poa annua research alone there were over a thousand different tests being made at Purdue.

Water, Weeds Waste Budget

(Continued from page 56)

structure and uniformity) governs the infiltration, retention and movement of moisture in the soil medium, controls the air-water relationship, and along with the chemical properties, determines the type of vegetation that grows most satisfactorily under a given set of climatic conditions.

A brief listing of a few of the many and varied ways in which the soil influences watering practices, and thereby has a direct bearing on the subject of weeds and waste, may serve to illustrate its importance.

Physical properties — Texture (particle size) should be variable to prevent packing and promote drainage. Structure (arrangement of particles) should be granular and well aggregated to insure variable pore size distribution which promotes desirable air-water relationships. Such is desirable because:

1. Compacted and poorly drained soils favor invasions of clover, knot weed, chickweed and pearl wort; (2) Compacted and water-logged soils restrict the development of deep root systems; (3) Layers of sand, clay or organic matter interfere with normal air-water relationships and contribute to poor root development; (4) Good drainage helps counteract effects of excessive rainfall — prevents water-logging; (5) Hand watering may be required when greens are not properly graded or are not uniform in texture and structure.

Chemical properties — (1) High nitrate levels, coupled with excessive water, produce succulent turf which is more susceptible to disease and insect injury, with subsequent invasion of weeds; (2) Improper balance of nutrients may favor weed invasion — Clover thrives under low nitrogen and high mineral element levels; (3) Excessive watering leaches nitrates from the soil; hence, weakens turf or necessitates the use of additional nitrogen fertilizer, either of which may be uneconomical; (4) Too low or too high a level of lime brings about unfavorable chemical situations which weaken turf and favor weed growth.

Waste in Relation to Climate

Essentially, the only climatic factor over which man may exert direct control is rainfall. Man may alter the effect of rainfall in two ways. First he may irrigate if rainfall is deficient, and second, he may provide for rapid removal of excess rainfall by proper surface and subsurface drainage, and by altering the texture and structure of the soil, insure effective percolation of the water. By choosing an adapted grass, man may indirectly offset the adverse effects of temperature and air movement to a rather limited degree.

Syringing of golf greens during periods of high temperature and wind movement may prevent loss of turf. Loss of turf from desiccation (winter kill) may be avoided by proper water application in early spring. Judicious use of water during periods of
"TURFGRASS"

The American Society of Agronomy, at its Dallas, Texas meeting in November last year agreed to the use of the single word "turfgrass" as a descriptive term wherever appropriate. Chairman Fred V. Grau of the Society's Turfgrass Committee explained that the new word was coined to dispel any implication that work with turfgrass was connected with horse racing. The Society suggests that all American turfgrass conference groups seriously consider the adoption of the new term.

Semi-dormancy will tend to keep turf in condition to resist weed invasion, whereas excessive moisture applications during these periods will encourage weed growth. Thus, adjustment of watering practices to conform to climatic conditions may eliminate weed invasion and prevent waste.

The grass, the soil and the climate, then are the basic factors involved in the development of an efficient, satisfactory watering program. The soil factor lends itself to alteration and modification by man, but man exerts essentially no control over the climatic factors and only limited control insofar as the particular grass he may utilize for golf course turf. Since man is able to exert considerable influence on the physical and chemical properties of soil, it would appear that his efforts should be directed toward developing a soil medium as near ideal for the growth of turfgrass as practical limitations permit.

By so doing, watering more nearly in accordance with the requirements of a particular grass will become feasible and the golf course superintendent will be in a more favorable position to adjust his watering practices to meet changing weather conditions. Careful and considered attention to all three factors may do much to promote the efficient use of water, control weeds, and to eliminate waste.

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ads in the major national magazines. Consumer sports media and 200 college newspapers will be used with golf getting the big play in the college campaign. Adding millions to Spalding’s audience this year will be their broadcast of the 1954 National Tennis Matches.

STROKOSCOPE PUTTER ATTACHMENT

Golfers will be interested in a new accessory, Strokoscope, which attaches to any putter. It is designed to reduce the scope of vision and provide more nearly correct contact with the ball by means of a focal concentration guide. The unit is easily affixed to the blade of any putter with a special cement included with each unit which makes a solid metal to metal bond. Weighing about five-eighths of an ounce, the custom designed inlay of plastic is set in a precision milled aluminum casing. Details from Federal Products Co., 627 Grove St., Evanston, Ill.

JACOBSEN NAMES NEW SALES REPS.

Jacobsen Manufacturing Co., Racine, Wis., has appointed five new sales representatives. Names of the men and the territory each will serve are as follows:

Ned J. Carlisle, formerly sales mgr., Stusher Brothers Co., Barberton, Ohio, serving eastern Ohio; Albert A. Nagel, Jr., formerly field service rep. for Montgomery Ward and for Ford Motor Co., the states of Georgia, Alabama and South Carolina with headquarters in Atlanta, Ga.; Harry H. Riekelman, Jr., northern Illinois with headquarters in Glenview; E. C. Stedman, Jr., former retail dealer, western Pennsylvania and W. Va., with headquarters in Indiana, Pa.; Lewis J. Vassar, formerly Jacobsen western service rep. now will supervise sales in Pacific Northwest with headquarters in Portland, Ore.

WORTHINGTON BULLETIN FEATURES NEW POWER-TAKE-OFF ROTARY

The Worthington Mower Company of Stroudsburg, Pennsylvania, manufacturers of tractors and grass cutting machinery for 40 years, has just published an attractive two-color leaflet featuring their new model “72” Power-Take-Off Rotary Mower. The new bulletin, designated as W-114, gives...