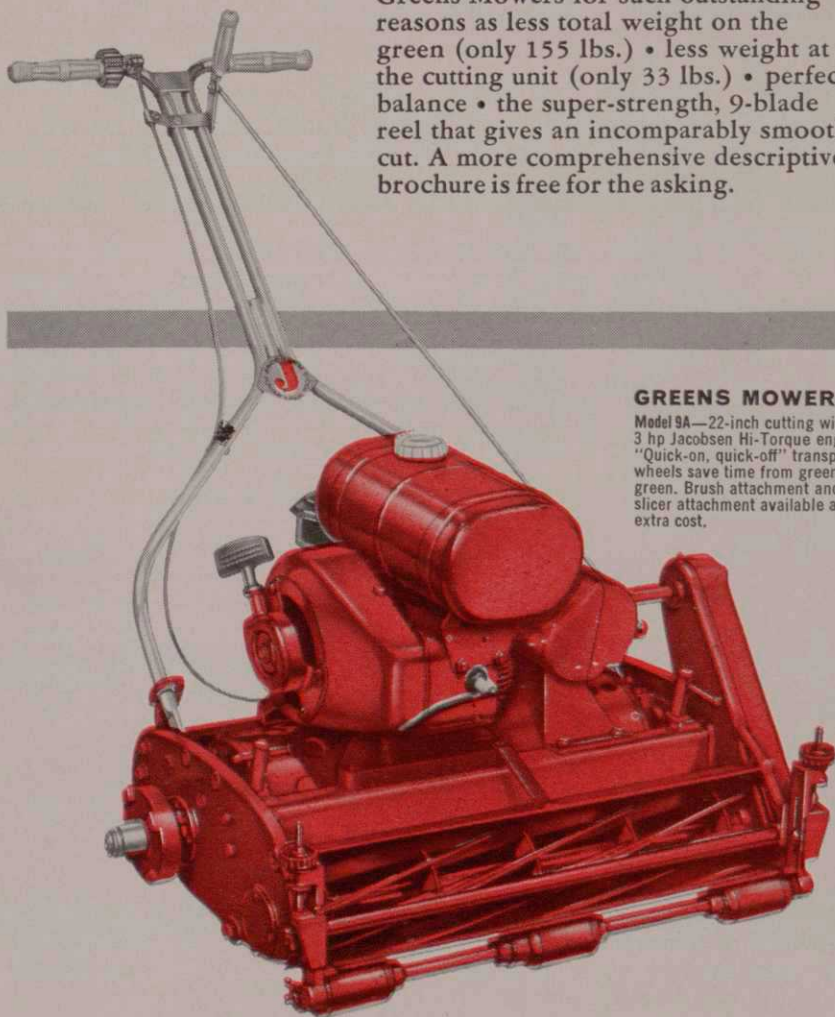


■ The Jacobsen Greens Mower is the world's finest precision grass cutting machine, provides perfection on the putting green. A majority of the finest golf courses in America use Jacobsen Greens Mowers for such outstanding reasons as less total weight on the green (only 155 lbs.) • less weight at the cutting unit (only 33 lbs.) • perfect balance • the super-strength, 9-blade reel that gives an incomparably smooth cut. A more comprehensive descriptive brochure is free for the asking.

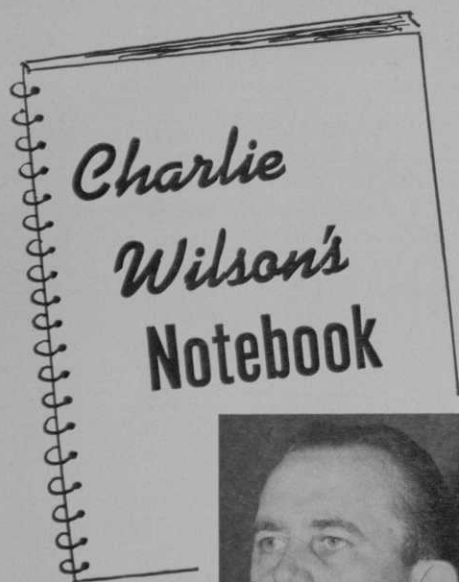


GREENS MOWER

Model 9A—22-inch cutting width, 3 hp Jacobsen Hi-Torque engine. "Quick-on, quick-off" transport wheels save time from green-to-green. Brush attachment and turf slicer attachment available at extra cost.

JACOBSEN MANUFACTURING COMPANY
Department G-3, Racine, Wisconsin

Subsidiaries: Johnston Lawn Mower Corporation, Brookhaven, Mississippi
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Don't Seed Too Heavily



Harry McSloy, supt. at the Country Club of Virginia, believes most people seed too heavily. Harry stated 15 lbs. of Bermuda per acre was ample in the Tidewater area. In fact, this rate produces better turf than 100 pounds of hulled seed, provided adequate fertilizer is used.

They like common Bermuda for fairway turf in Virginia. It is cheap and combines well with cool-season grasses for winter color. McSloy advocates a 40 lb. per acre over-seeding with domestic rye grass on fairways. Where protection as well as color is needed, the rate should be increased to 250 to 300 lbs. per acre.

The best Bermuda turf is cut low and frequently, given plenty of plant food and very limited water, according to Harry.

Superintendents' Champion

Mid Atlantic supts. have found a new champion in Martin McCarthy, USGA green section committee chmn. and member of Congressional CC. We gathered, from McCarthy's remarks, that good supts. aren't paid enough and their greatest challenge is in exercising diplomacy. Committees like to make changes — usually because of the length of the course. "Always consider the high handicap player," is the advice of Bob Jones and McCarthy is the first to agree.

"Golf will never be able to compete with industry in wages. Train, don't fire; tell labor why as well as what to do; and never by-pass a committee" were McCarthy's final remarks.

Moderation in Fertilizing

Jimmy Thomas, USGA vp and supt. at Army-Navy CC, believes in moderation when fertilizing greens. According to him, the first shot of plant food should come at the tailend, rather than the start of the season. His first feeding is in October. Thus, Jim can delay spring application until the bent is able to respond.

For the critical summer period, Thomas advocates a bland diet applied lightly and frequently. When the weather gets "real sticky" he skips a treatment now and then and stresses using a little potash to strengthen grass tissue.

Fly Control

George Langford, University of Maryland entomologist, says the trend today is to control insects that bother golfers. Greenmaster Bob Shields at Woodmont is cooperating with Maryland's Entomology Dept. in controlling the pesky black fly, and much has been done on the Eastern Shore in mosquito abatement by improving drainage.

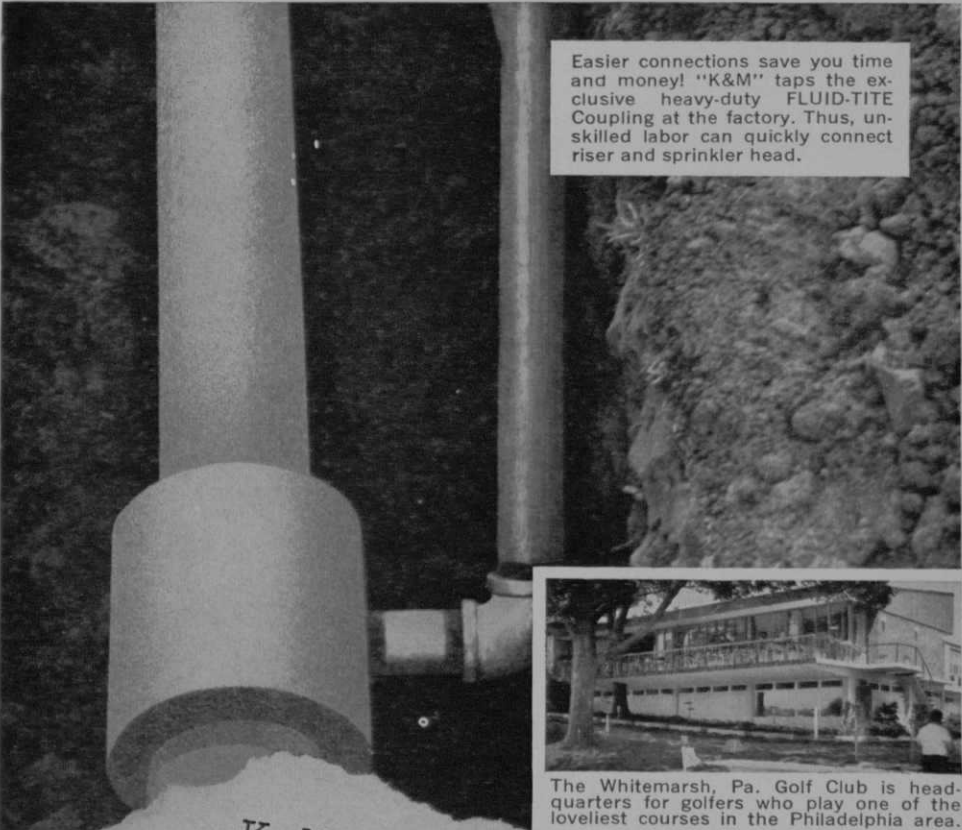
One oz. malathion with one lb. of sugar in a gallon of water is Langford's recipe to make friends with the clubhouse crowd. This mixture, sprayed daily around garbage cans, will keep house flies at a minimum.

Taylor Heads RCGA

Gordon B. Taylor, former Canadian amateur champion, has been elected pres. of the Royal Canadian GA, succeeding John M. Blair of Winnipeg. V. C. Holdroyd, Toronto, is first vp and H. C. Lyle, Vancouver, 2nd vp. Taylor represented Canada last year when plans for the World Amateur were made and as pres. of the RCGA, will play an important part in planning this year's Canadian Open.

Texas Turf Officers

The following have been elected officers of the Texas Turfgrass Assn. for 1959: Charles Campbell, pres.; L. W. DuBose, vp; G. A. (Dan) Lynch, executive secy.; Marvin Ferguson, research dir.; Ethan C. Holt and John Jong, conference directors. Albert W. Crain continues as editor of the Turf News of Texas.



Easier connections save you time and money! "K&M" taps the exclusive heavy-duty FLUID-TITE Coupling at the factory. Thus, unskilled labor can quickly connect riser and sprinkler head.



The Whitemarsh, Pa. Golf Club is headquarters for golfers who play one of the loveliest courses in the Philadelphia area.

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Irrigation Pipe... "best investment
our club ever made."

Ross Woodward, Golf Course Superintendent,
Whitemarsh, Pa. Golf Club.

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There are no maintenance headaches afterwards. Water flows unrestricted by pipe-clogging rust. Pumping costs remain low. "K&M" Asbestos-Cement Underground Irrigation Pipe can't rust or corrode. Write to us today for more information.



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A combination "Tersan"—organic efficiency, wide-range disease control.

*Look what these superintendents say
about "Tersan" OM!*

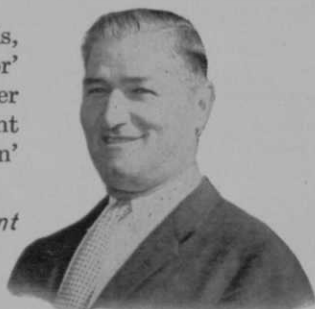


"Last year was a very trying one of heavy moisture and high humidity. We used 'Tersan' OM as a preventive spray every seven days on three greens, and I found no shock and not a trace of disease. It mixes well, leaves no spotty patches. 'Tersan' OM is a fine product."

JOSEPH F. FLYNN, *Superintendent*
Metropolis Country Club
White Plains, New York

"We used 'Tersan' OM on a seven-day basis, or on a preventive schedule on two 'indicator' greens at the rate of 3½ oz. in 3½ gal. of water per 1,000 sq. ft. Although disease was prevalent on greens treated with other fungicides, 'Tersan' OM gave 100% control."

FRANK J. DINELLI, *Superintendent*
Northmoor Country Club
Glencoe, Illinois



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Now . . . one product . . . a combination "Tersan"—organic mercury turf fungicide—is available! Du Pont "Tersan" OM meets the needs of superintendents everywhere for a single, easy-to-use, effective turf fungicide—one that combines the recognized merits of mercury and "Tersan" 75 mixtures.

New "Tersan" OM comes ready to use in 3-lb. containers . . . eliminates the need for tank mixing . . . saves time and labor. Du Pont Laboratory Research proved it equal or superior to a freshly made tank mix of "Tersan" and mercury; golf-course superintendents confirmed these results in use.

You'll find "Tersan" OM easy to apply and easy to handle. Chemical composition is uniform, package after package. "Tersan" OM offers users a large safety factor—even when applied at higher than recommended rates.

Order your year's requirements of "Tersan" OM from your supplier NOW!



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TURF FUNGICIDE

Turf Management Under Excessive Rainfall Conditions

By J. C. HARPER, II

Senior Agronomist of Research & Development,
Toro Manufacturing Corp., Minneapolis, Minn.

PROBLEMS occurring from excessive rainfall may be the result of frequent rains of low or medium intensity which keep the soil continually saturated, or may be associated with floods caused by prolonged periods of rainfall or heavy intense rains of relatively short duration. The problems arising under these conditions may be discussed from the standpoint of their effect on (1) soil, and (2) growth.

Effect on Soil

Surface drainage is the most rapid and effective means of removing excess water. When soil becomes saturated from excessive rainfall or irrigation and the surface drainage is such that water does not move off rapidly, then excess water will accumulate in low areas. If the water remains ponded for relatively long periods, turf-grasses may be injured or killed. The length of time water may remain ponded without killing the grass is dependent on the species of grass, depth of water and the temperature. High temperatures will cause severe damage in very short periods of time, whereas turf may survive considerable lengths of time if the temperatures are cool. *Poa annua* appears to be much more susceptible to damage from ponded water than many of our bentgrasses.

Internal drainage also is important during periods of excessive rainfall. Heavy soils, low in permeability, will become saturated and may remain in this condition for extended periods. Under such conditions, both the large and small pores are filled with water, air is driven out of the soil and an oxygen deficiency occurs. In such a situation a build-up of reduced compounds which are toxic to the grass may occur.

Wilting Due to Saturation

Wilting of the turf may actually take place when the soil is saturated. Physiologically the grass roots must have a supply of oxygen in order to take up moisture, but the saturated condition of the soil which has driven out the oxygen supply makes it impossible for the plant roots to absorb moisture. Wilting may occur very



Here are new officers and committee members of the Ladies Auxiliary of the PGA Seniors: (Front row, l to r) Mrs. Kenneth Milne, honorary pres.; Mrs. Al Hubbard, pres.; Mrs. J. R. (Bob) Williams, 1st vp. (Standing) Mrs. Marc Sandow, publicity chmn.; Mrs. Marty Crompt, treas.; Mrs. William Graham, corresponding secy. Other officers not in the picture: Mrs. Carroll McMasters, 2nd vp and Mrs. Fred Moore, secy.

rapidly if air temperatures or wind movement is high. In some instances it may be necessary to lightly syringe the grass to cut down the rate of transpiration.

Severe Erosion

During periods of high intensity, rain surface runoff may cause washouts and severe erosion, especially on newly seeded areas or steep slopes with thin turfgrass cover. Traps may be severely damaged by runoff. Runoff often results in flooding conditions, especially along rivers and streams, which may leave heavy deposits of silt, clay and other debris on the turf. Heavy accumulations of silt and clay may smother the grass, while even light deposits may form layers which create future problems. Heavy silt deposits often must be removed in order to restore the flooded area to play.

Learning from Teachers

There's a lot the teaching pro can learn from teachers and coaches in other lines.

GOLFDOM ran a brief note from a professional telling about being tipped off by his young son's school teacher that he (the pro) didn't know as much as he should about the art and science of instruction.

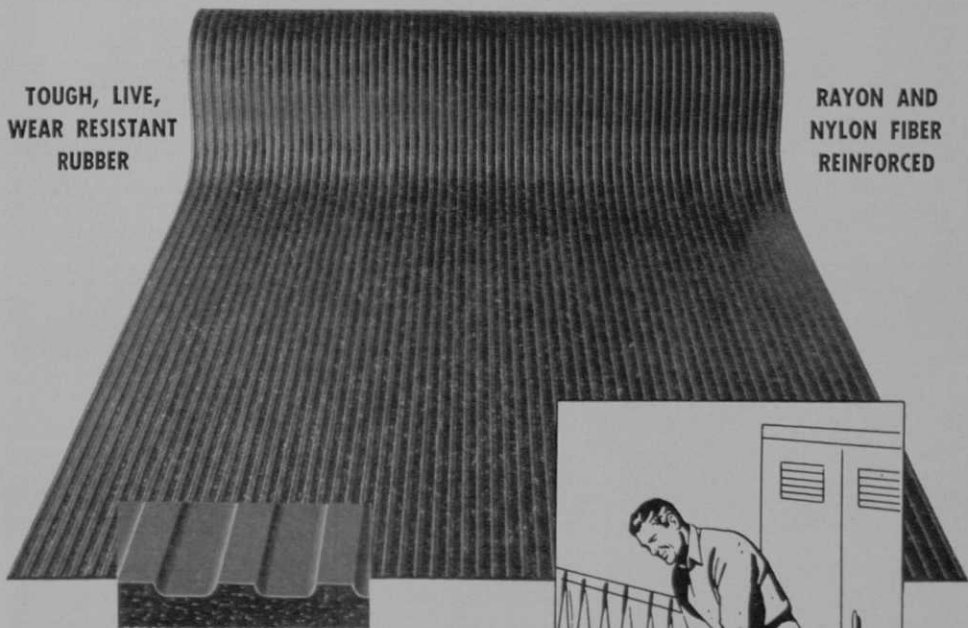
Letters from professionals who read that comment and began asking questions of other teachers say that to them the item was one of the most valuable GOLFDOM has run in years.

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Protect the floors of your club, improve safety and reduce noise with this easy to clean, lower maintenance cost matting.

At Better Jobbers Everywhere



Excellent matting for locker room floors, entrances, pro shops — many golf club uses.

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Here are members of the faculty who conducted the PGA Business School for pros and assistants at Dunedin, Fla., in January. (Left to right) Joe Devaney, Eddie Duino, Norris Denno, George Aulbach, Emil Beck, Bill Hardy, Ray Geschke and Willie Ogg. Beck was the school chmn., Denno and Geschke helped him handle the paper work and others did the teaching.

Training Group Builds Course at Brunswick

At the U. S. Naval Air Station in Brunswick, Me., they put their training to practical use. The station is one in a network of iceberg and submarine detection installations, but normal routine here calls for a great deal of work, and training of recruits, with heavy duty earth moving and construction machinery. So, the machines that are used to hack runways out of the wilderness and clear great wooded areas



Clubhouse and lockerroom occupy this building facing 9th green at Brunswick naval course.

for defense stations, were entrusted to the training group in 1958 to build a golf course as a practice problem.

Taxpayers will be happy to know that the cost of constructing the 9-hole layout was practically nil. At the same time, the trainees were doing a very constructive and practical piece of work — one that will be appreciated by about 80 per cent of recreation starved sailors. They are due

to start playing the Station course around May 1 or as soon as spring puts in an appearance in Brunswick.

Designed by Pro

The course was designed by a neighboring pro. It was built under the direction of Lt. R. G. Burkemper of Special Service and R. B. Keenan, a civilian attached to Special Service. Greens were contoured and seeded last summer with Colonial bent and were in fine condition by late fall. Finishing touches were made on the course before the first snowfall and so only the weather possibly can delay opening day. Work in 1958 was completed with the building of a 5,000 sq. ft. practice green and, as a practical afterthought, construction of second tees on each hole. All 18 tees have been built so that they can be maintained with fairway mowers. A brook that winds through the area has been dammed to provide a water hole and for irrigation of greens and tees.

Three officers and three enlisted men are serving on the green committee along with R. B. Keenan. A supt. has been hired to oversee maintenance of the course. Clubs will be made available through Ship Stores. The amount of interest shown by Station personnel in playing golf will determine whether a pro will be hired later this year or in 1960.

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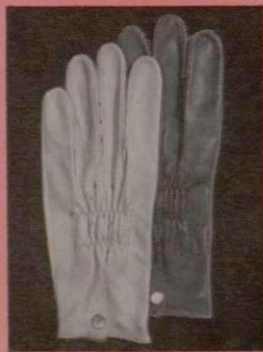
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PLAYABILITY

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Pro-Grip's washable glove — washing brings it back to bright and shining newness. Backed by Launder-Leather Institute. Available in a rainbow selection of 6 colors. Lightweight ... table cut. Ask for Pro-Grip's No. 832-W.



New medium-priced all-leather glove with button back — for maximum ease in putting on or taking off. A fine-fitting glove made from imported top quality Capeskin. Available in tan and cream. No. 300-B.



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West Coast PGA School

(Continued from page 68)

he gets into this phase of the game.

Using motion pictures, Frank Minch compared the playing techniques of the stars of the '30s with those of the present day circuit players. Bill Sherman, field agent for the National Golf Foundation, explained the workings of that organization, adding that in the last year it has devoted more and more time to the promotion of Junior golf, the benefits of which ultimately will be realized by the pro.

Thorough Treatment

Harold Mantis, sportswear buyer for an Oakland dept. store, prepared for his lecture by visiting several pro shops to see how their operations could be tied into those of a downtown store. With this relationship established, Mantis gave a very excellent talk on shop displays and offered numerous valuable tips for moving merchandise.

The credit end of the business was discussed by Ted Haldan while Allen Merrill of Wilson's San Francisco branch explained some of the problems confronting distributors so that the assistants will better

be able to explain to customers why there are occasional delays in delivering clubs or other merchandise. Sandy Gurfeda, also of Wilson, discussed the credit picture from the manufacturer's viewpoint.

Further investigation of the problems of properly displaying and selling merchandise and shop management were made by Bud Oakley, who gave a two-section lecture that included numerous demonstrations of the points he was attempting to get across.

The school's golf instruction clinics were handled by Olin Dutra and Guy Bellitt. Dutra, one of the most popular speakers on the West Coast faculty, started his demonstration by assuming that members of his audience had very little experience in teaching. He went thoroughly into fundamentals before discussing advanced methods. Bellitt, a master of golf class instruction, demonstrated the handling of both beginners' and advanced players' classes, emphasizing that the greatest mistake a pro can make is to push either type of class too much or attempt to crowd too much material into a single lesson.