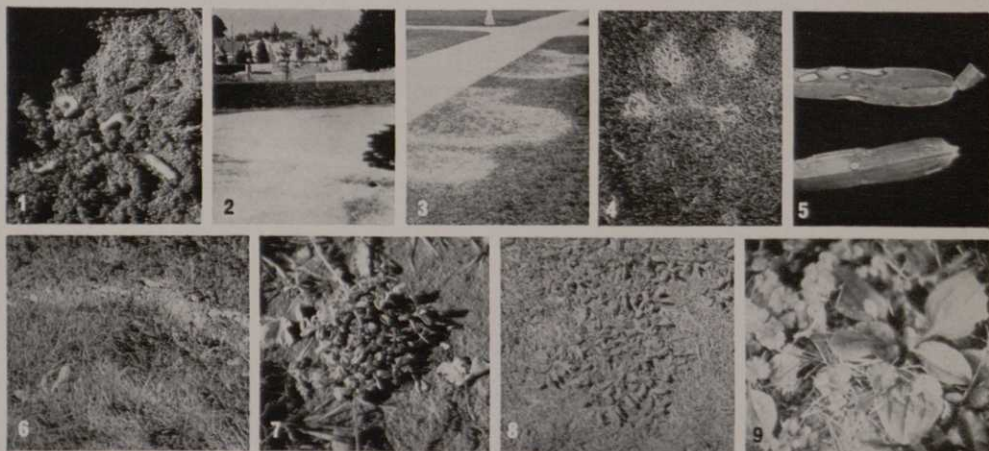


Velsicol gives you the answers to summer turf problems



No. 1—white grubs. No. 2—sod webworms. For long-lasting protection from these and practically all other turf insects apply Chlordane. Protects grass, plants and people. Gets rid of moles and skunks, too, by eliminating the insects they feed upon. Get Chlordane now in dusts, granules or emulsifiable concentrates.

No. 3—brown patch. No. 4—dollar spot (bluegrass). Apply Velsicol® "2-1" for easy, effective, economical prevention or cure of these and other turf destroying diseases. New formula provides improved wettability, better stability, and less foaming action.


No. 5—gray leafspot. No. 6—fairy ring. Velsicol® Memmi .8EC protects warm and

cool season grasses from the ravages of these and other turf diseases. Memmi .8EC is a *liquid* mercurial fungicide—mixes in minutes, needs no constant agitation, won't clog nozzles, and leaves no sediment in the spray tank!

No. 7—mouse-ear chickweed. No. 8—knotweed. Banvel® D 4S attacks weeds through leaves and roots, kills most species found in turf. Works in warm or cool weather!

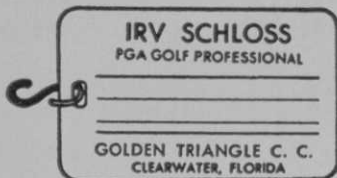
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Philly Golf Show

(Continued from page 31)

Another award was made by Joe Aneda, Jr. to Eugenia Slaymaker, president, Women's Philadelphia Golf Assn. In other years the PGA has also honored national and local golf association officials.

A big repeat attraction this year was the Catch-On tournament, where whiffle balls were chipped against an adhesive sheet rigged like a dart board target. Prizes were awarded for the best scores in a competition that ran for 12 hours. The Catch-On tournament was held in the very center of the ballroom and there was never a lull in the whole period. Its simplicity attracted many people who had never had a golf club in their hands before. This unique game was supervised by Pros Marty Lyons, who is observing his 50th anniversary in golf, Ted Bickel, Sr., Joseph C. Hunsberger and Ted Bickel, Jr.

Pro Harlan Will again attracted big crowds with his helpful tips on sand shot

problems, in which he used a specially constructed bunker.

Marilynn Smith, "Miss Personality of Golf" and a special representative of A. G. Spalding & Bros., Inc., made a return appearance. She conducted an afternoon swing analysis clinic. Later, in the evening, she participated in a panel with pros Gary Nixon, Henry Williams, Jr., Stan Dudas, Willie Polumbo and Leo Fraser.

Pros at a central microphone in the ballroom made announcements, keeping visitor participation at a high pitch, and introducing guests. Participating in this phase of the program in addition to Paul, Fraser and Nixon, were Henry Poe, Denny Walters, Al Nelson, Henry McQuiston, Frank Clark and Bob Ross.

There has been talk of taking the show to a bigger hall in order to accommodate more visitors, but this has been turned down by the Philadelphia Section for fear that the show will lose its intimate appeal. There have also been offers to turn over the event to outside promotion, but the membership insists it remain a PGA event.



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An effective preventive disease program with Du Pont "Tersan" is an essential factor in successful turf management. You can depend on "Tersan" OM* turf fungicide, a mercurial-organic sulphur combination, for prevention and control of Large Brown Patch—which is most active during hot, humid weather—Dollar Spot, and other major turf diseases. "Tersan" OM has a large safety factor under all conditions...gives long-term residual protection.

Remember to observe the other two fundamentals of successful turf management—(1) weed control with Tupersan®,

a new pre-emergence crabgrass killer which permits seeding and treating of cool season grasses on the same day and (2) proper fertilization with Uramite® ureaform fertilizer, 38% gradual-release nitrogen that feeds steadily without burning or leaching.

For full information on dependable Du Pont Turf Products, consult your golf course supplier...your service agency.

*"Tersan" OM combines the protective features of "Tersan" 75 with the eradicant advantages of Semesan®.

On all chemicals, follow labeling instructions and warnings carefully.



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Parking Lot Improvement

(Continued from page 62)

tended by implication to include matters not clearly expressed in the agreement. Applying the rules heretofore stated to the facts in the instant case, we conclude that the improvement of the parking lot does not constitute a 'business trade' within the restrictive covenant."

The judgment of the lower court in favor of the plaintiff homeowner and against the defendant golf club was reversed with instructions to dissolve the injunction that forbade the leveling and blacktopping of the planned parking area. The decision was close with five justices constituting the majority, while four concurred in a dissenting opinion. (Burton v. Douglas County, 399 P. 2d 68.)

Summary Judgment Sought for Negligent Operation of Golf Car

A summary judgment (asked for to ascertain if there is an issue for trial) has been sought in Miami Federal court by an out-of-state golfer against a Largo, Fla. resident, charged with negligent operation of a golf car at a Florida hotel course. The plaintiff is also asking damages in excess of \$10,000 from the defendant in a second amended complaint filed along with the motion for summary judgment. The hotel was also named as co-defendant on motions from the plaintiff and the defendant, who was the operator of the car.

The out-of-state golfer was pinned against the wall of a course shelter by an electric car operated by the Largo, Fla. resident. The latter said the accident was unavoidable because the car's brakes failed as he was driving in a rainstorm. The motion for summary judgment on the issue of liability claims that the Largo golfer, the defendant, should have carried his clubs to the shelter rather than attempted to operate the car during a storm.

Don't Forget the Big Date!
May 31 — National Golf Day

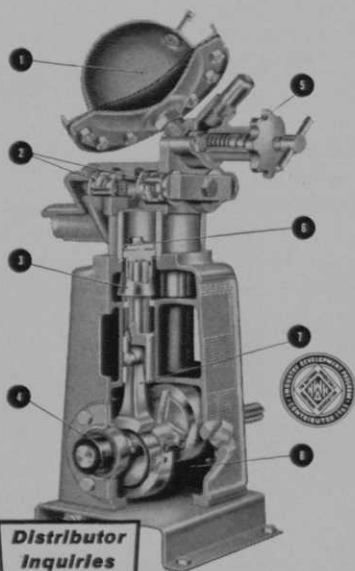


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Formalized Turf Training

Prof. Dickinson Dies In Amherst at Age of 77

Lawrence S. Dickinson, 77, retired professor of the famed Turf Management school at the University of Massachusetts, died in Amherst on April 21.

"Prof." Dickinson, as he was known by perhaps 1,000 men who attended the Winter School he established at the U. of Mass. in 1927, or the two-year Turf Management course he set up at the same school in 1947, was presented the USGA's green section award for distinguished service to golf through work with turfgrass in 1962. He was the second man to be so honored.

A native of Amherst, Prof. Dickinson, after being graduated from the U. of Mass., became supt. of the campus grounds, a job he combined with an instructorship in Horticulture. A few years after he assumed the dual position, the University started sponsoring an annual agricultural equipment exposition and conference. This first to attend were park and estate supts. who came to Amherst by horse, carriage and train. The exposition was the forerunner of a general horticulture show that, by 1920, was attracting 2,500 to 3,000 people to the Amherst campus. By 1957, when Prof. Dickinson retired, attendance at the annual show had increased to 20,000.

Sees Need for Formal Training

Around 1925, Prof. Dickinson decided that course supts. needed more formal and better coordinated training than they were getting. The way for them to acquire it was through a short course in turf management that would last approximately ten weeks. The 100 or so golf

clubs that he contacted in the New England area were quite enthused about the idea of sending their greenkeepers and foremen to school, although there was some opposition to formalizing turf management and teaching it at the equivalent of the college level.

Short Course Started

In 1927, the short course was started with the new students studying a curriculum designed by Walter Hatch, also of the Horticulture school. Prof. Dickinson added refinements to the course and adapted whatever practical methods that were necessary as he went along. The school operated continuously, except for the World War II years when it was closed, for three decades. In 1958, after Prof. Dickinson retired, the school was temporarily abandoned because of the heavy enrollment of regular students at the University of Massachusetts. However, the short course was resumed in 1959 and has been functioning since that time under the direction of Joseph Troll.

Two-Year Turf Major

In 1947, Prof. Dickinson, sensing the explosive growth that was to come in golf, and seeing the need for training more turf managers for other fields, persuaded the University to set up a two-year turf major in its Stockbridge School of Agriculture. Students attend the school for approximately nine months and then are free to work in the turf field during their vacations. Graduates of the Stockbridge turf school have a reputation of being eagerly sought by country clubs and other seeking managers of large turf areas.

Many sons followed their fathers to study at the Winter School that Lawrence Dickinson established. The "Prof" never dabbled to any extent in research, preferring to teach. He did not downgrade research, but always maintained that it was of little value unless men were trained to apply it practically. The role of a teacher, he said, "is to fill the gap between the researcher and supt."

Light on Theory

Students admired Prof. Dickinson because he never allowed theory to over-



Prof. Dickinson



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 "Genetic Variability in Creeping Bent" A study of seed versus stolons for planting putting greens.

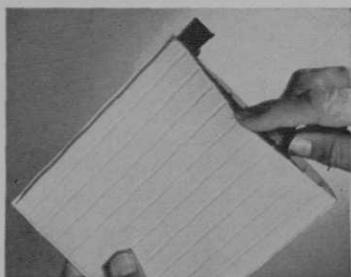
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whelm the practical approach. His teaching tenets were not based on the understanding and application of cultural turf practices alone. He emphasized that business management of fine turf is just as important as cultural management.

Great Asset

"It is good practice," he once said, "to lay away a bank account of healthy turf. This is the greatest asset in times of depression. To determine whether this account is growing or shrinking, all turf on the course should be inventoried regularly."

Prof Dickinson received many honors and citations during his life, but according to those who knew him best, the one he treasured most came in 1958 after he had retired from 45 years of teaching. The Northeastern Section of the CCSA, which he helped to organize in 1932, held a "Dickinson Day" in his honor at Mohawk GC in Schenectady. Toasts were lifted, gifts were presented, but what pleased the Prof most was that many of the old U of M turf grads were able to get back to see him.

Torture Testing

(Continued from page 54)

lyzed. Indicated improvements were made in seven new prototype golf cars manufactured with actual production parts.

The improved vehicles then underwent Phase 2 testing. This included continuous operation for 16 hours a day and even more grueling punishment than was inflicted on their predecessors.

Gave Them the Works

Deliberately, the test drivers banged their golf cars into ditches, threw them into sharp turns, gunned them at maximum speed over long distances, and did all the necessary wrong things in an effort to twist frames and axles and figuratively drive the vehicles into the ground.

The dawn-to-dusk battering continued for two months. The test program racked up more than 6,000 hours and 40,000 miles of driving — equivalent to 20 years of normal driving, based on average use on a course.

Again, throughout Phase 2 testing, ex-

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haustive performance records were compiled. As new information indicated stress points and potential frame or component weakness, improvements were designed into the new 1965 line.

Phase 3 of the program tested the vehicles' climbing ability. A special 35-foot ramp with a 50 per cent grade was built. At its highest point it topped a one-story building.

This test indicated that a more powerful drive unit would enable Cushman cars to take 50 per cent grades without strain. Although such extreme inclines are non-existent on courses, the 1965 models feature an improved drive gear that thrives on hills.

Still Not Satisfied

Still the manufacturer wasn't satisfied. It had tested its vehicles to their limits but now it undertook Phase 4 to assure complete objectivity. The complete 6-model 1965 line — from the deluxe 4-wheel electric Trophy to the low-price gasoline Scotsman — was turned over to a golf course for testing by actual golfers in actual rental operation. However, the

golfers didn't know they were doing any testing.

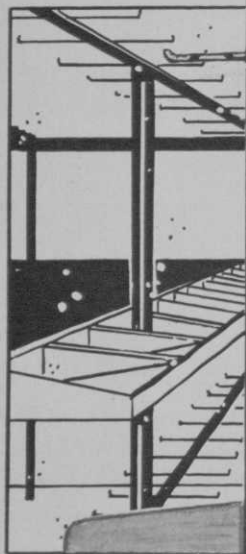
Performed as Expected

"We were convinced that careless, inexperienced, even irresponsible golfers couldn't be any tougher on our golf cars than the professional 'hot rodders' on our payroll," Robert Bottum, senior project engineer, points out, "but we wanted to be absolutely certain. We were right. Under actual car rental operation, in the hands of a wide variety of drivers with all types of damaging driving habits, the 1965 models performed exactly as our test data indicated they would."

Cushman's road-test program has been costly in time and dollars. Field testing is now a standard, continuing procedure. It already has enabled the company to introduce a 1965 line with what is said to be unprecedented resistance to abuse.

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Buyers' Service • Page 159

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Club Fitting Principles

(Continued from page 42)

specifications. With this buildup of the swing weight, head speed is slowed down through the hitting zone. Thus there is absolute necessity of maintaining required swing weight with a custom-made club embodying extra length shaft and all relative requirements.

What about the requirements for ladies? While most women on the pro tour use clubs with men's length and men's medium shafts and a DO swing-weight, amateurs follow two definite patterns. The weaker use a flex "L" shaft with the swing weight spread ranging between C4 and C6. Stronger women use a medium "L" shaft with swing weight anywhere between C6 and C9.

Compensation in Stance

There is a case of a middle age golfer who questioned John St. Clair: "How come," he asked, "I never hook even though I always use a closed stance?"

The answer: This man had built up his grips to an actual "oversize," thus increasing his club weight to 14 $\frac{3}{8}$ ounces and his swing weight to a D6. A middle age, average golfer usually is unable to swing or play this type of club. Therefore, the individual found it necessary to close his stance in order to offset the lateness of the head at the point of impact with the ball in order to keep from slicing!

When such a golfer, using compensating factors such as an incorrect stance to offset the use of a club of wrong design, finally turns to seeking a perfectly fitted custom-made set that is made to correct specifications for his particular requirements, he will find it will take time and work on the practice tee to get used to his new and correct fairway implements. A lesson or two from his club professional will be fruitful at this point.

"Other Clubs" Better

Take, too, the golfer who buys a "registered" set off the shelf in the pro shop, finds himself unable to play well with them and becomes dissatisfied with both