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PMAS

the proven herbicide-fungicide for sure control of Crabgrass, Copper Spot, Dollar Spot, Brown Patch, Snow Mold, Helminthosporium-Curvularia.

SPOTRETE

75% Thiram—for fast economical control of Brown Patch, Dollar Spot, Snow Mold. (Mix with PMAS for complete disease and crabgrass control)

THIMER

Broad spectrum fungicide containing Thiiram and Organic Mercury. A wettable powder for the control of Copper Spot, Dollar Spot, Large Brown Patch, Snow Mold, Helminthosporium-Curvularia and Crabgrass.

CAD-TRETE

Broad spectrum fungicide containing Cadmium and Thiiram. A wettable powder for the control of Snow Mold, Dollar Spot, Copper Spot and other turf diseases.

"ALL-WET"

Non-ionic organic wetting agent. Makes water wetter for penetration of compacted turf; prevents dew formation. Saves water, saves time.

METHAR (DSMA)

Disodium Methylarsenate. For control of Dallis Grass and Crabgrass. Highest concentration; liquid or powder.

SUPER METHAR

(AMA) Amino Methyl Arsonate. A liquid for the control of Dallis Grass and Crabgrass. Highest concentration; liquid.

CADDY

Liquid Cadmium Fungicide. Safe, modern, economical control of Turf Diseases.

C-531

Cadmium zinc copper calcium chromate fungicide for the control of Dollar Spot, Copper Spot, Brown Patch. Applied as spray or dry-mixed with sand or top dressing.

PM2,4-D

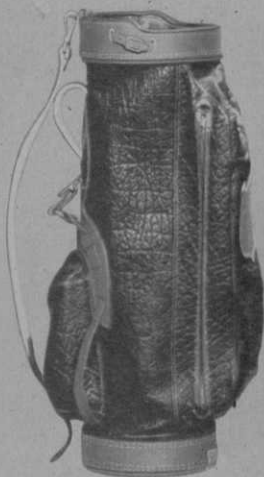
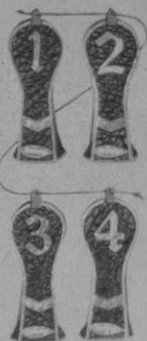
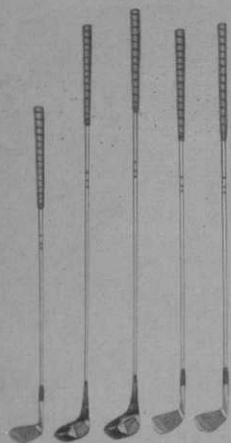
A liquid combination of Phenyl Mercury and 2,4-D for the control of Silver Crabgrass (Goosegrass), Crabgrass, Dandelion, narrow and broad leaf Plantain, Knotweed, Chickweed, etc.

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And what a line it is! *New golf bags, carryalls, and headcovers developed by famed Tufhorse craftsmen...leathers, canvynyls, and vinylized ducks. New Maxfli golf clubs custom-crafted by Pedersen with True Temper "Pro Fit" shafts. Famous Maxdri all-weather golf shoes. New Wright Arch Preserver Shoes, making their debut in the Dunlop line this year. And, the incomparable Maxfli...the most inspected, respected golf ball in the world.*

While we're fond of our shipping clerk, we have no intention of easing up on him. Order like an insane stamp collector when Irving Chappel or any Dunlop salesman turns up at your Pro Shop. The Dunlop line is the most distinguished in the business today...and the profit potential is something to write home about.

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Grau's Answers to Turf Questions

If you've got a question you want Dr. Fred V. Grau to answer, please address it to Grau Q&A, Golfdom, 407 S. Dearborn, Chicago 5, Ill.



Open Course Policy Can Be Costly

“OUR POLICY is never to close the course.”

Many clubs have adopted this policy for better or for worse. It is not exactly popular with supts. They dread the foot-printing and the “pigpen” appearance around the cups on a fine bright Saturday in February after 100 golfers have played when there is a foot of ice below and two inches of thawed slush at the surface. They know that they will not be able to produce a true putting surface until well along in the summer.

Just the same, one supt. in Philadelphia told us recently: “The course belongs to the members. If they want to ruin the greens for a few hours of play at a time when the course really should be closed, all they have to do is tell me. They may have what they want. But, I insist that they allow me everything I need to repair the damage — even to completely resodding the greens — regardless of cost.”

In some cases, the supt. has full authority for closing. When that decision is made to preserve the course for the 400 members, the ten or a dozen who are disappointed can make more noise and bring more pressure than the other 390 who depend on the supt. to have perfect playing conditions, come spring. We cannot settle the debate but we feel sympathetic to the supt. who says, “The course is theirs. Just give me the tools, the grass, the fer-

tilizer and the labor so I can restore it before they see how badly they damaged it.”

Get the Tools

We know the soil will be compacted — but we have tools. Just make sure that the budget is big enough to give you all the tools you need. We know the surface will be rough — but we have sod nurseries and sod cutters and sterilized topsoil and fertilizers. Overnight, practically, we can resod so it will be better than before. Just don't be put in the position of having to correct the damage without everything that's needed.

Pro on Committee

In discussing things the other day with a topnotch supt. from Utah who has two sons who are professionals, the question arose: “Are there clubs where the pro might be a valuable member of the green committee?” We would like to hear some arguments for and against.

Some good reasons for: 1) He hears most of the gripes and some of the nice things the members say about the course. The supt. is not always in a position to catch player comments as they finish the round. 2) The pro knows how the course should play and can work with the supt. in maintaining the course for members who play. (In both respects the pro can be an excellent liaison between the supt. and members).

No Topdressing

Ten years ago we took a picture of a

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Finer, softer leathers . . . unexcelled workmanship . . . many exclusive patented features . . . that's what the **CHAMPION** golf glove line offers. They're easy to sell and your profits go up!



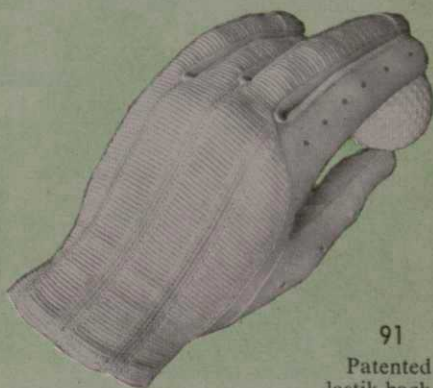
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309 - 11 COURT - DES MOINES, IOWA

green that had not been topdressed in 17 years. At the GCSA conference in Chicago we talked with this supt. again. He confirmed that there has been no topdressing now in 27 years. He says: "Why should I topdress? We have tools to do the job without topdressing — besides, why risk bringing in a lot of weed seeds, fungus spores, etc. Anyway, the members do not like the messiness — and I can keep them a lot happier without topdressing."

All Work, No Play

Enjoying himself at the conference in Chicago was a brawny supt. who seemed to be especially pleased to be there. He confided that this was the first time in three jobs and 27 years that he had been given a day off. Some chmn. have been asleep to let men become buried on the course without time for looking around a bit. We bet that this man will be taking some more days off again next year now that he has had a taste of hard-earned freedom. We'd like to believe that this is an isolated case.

Lack of Drainage

Recent visits to courses from coast to coast highlight one thing in particular — lack of drainage. We get more complaints from supts. on this score than any other, yet 30 years ago the necessity for good drainage was recognized and emphasized by supts., agronomists and professors. A new club is in such a hurry to get the course built and into play (so that revenue can start coming in) that they permit the builder to cut corners. The corner that seems to be cut most often affects drainage. If supts. were consulted there wouldn't be any question about installing perfect drainage. But — drain tile costs money. "Maybe we can get by this time and save all that dough." Little do they realize that, in the years to come, they will spend ten times what they "saved" and still not have what they want and need. Quite often the "saving" winds up in a complete rebuilding program at heavy expense.

What is the answer? Where do we go from here? Every architect is thoroughly familiar with the need for, and the benefits of, good drainage. What is the factor that permits new courses to be built on heavy soil with no drainage under the greens? It is puzzling. It is something like courses where the turf is poor because it is starving for nitrogen. When we recommend the feeding program that will feed the grass properly to produce good dense playing turf, the question arises, "What



This power driven bunker rake is used by Supt. Nelson Monical at Portage CC, Akron, O. Monical designed the rake. *Grau photo*

will it cost?" Many times the reaction is, "Oh, we can't afford that." We have heard the statement more than once, "If they can't afford to feed the turf properly, they really can't afford to have a course." Maybe drainage fits into the same category. They say they can't afford it, yet they will spend ten times the cost trying to grow grass under an insurmountable handicap, only to find that they have to rebuild and install a drainage system anyway, dozens of ruined greens later.

Too Much Peat

Q. Our club is making long range plans for improving the course. We intend to plant trees, locate new traps and improve greens. One of the problems is the first green. It has too much peat in it, and as a result, is wavy and hard to mow. Our plan is to remove the sod this fall and prepare a better base for the green. Would you let us know how we should go about this and what soil base preparation should be made before replacing the sod? (Ill.)

A. In answer to your question I ask a question. Is the sod good enough to strip, lay aside and then replace? If not, this would be an excellent chance to introduce an improved type of bent.

After the sod is stripped, it probably would be a good idea to strip off completely all the objectionable soil, pile it off the site of the green and then check the drainage system. If tile drainage is not adequate, be sure that the drainage system is completely adequate before replacing any soil.

If the soil that you have removed from the

(Continued on page 86)



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B4 PAR-D-LUX



B5 PAR-D-LUX

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A2 PARGLOV



40E PARHOODS



One of the more popular lectures at the West Coast PGA Business School was given by John Sullivan (l) who traced the history of golf club manufacturing. With him is Max McMurry, pro at Alameda Municipal, who did a great deal of behind-the-scenes work in making the first session of the school the great success that it was.

44 Students Attend

West Coast PGA'S First School Venture Rings the Bell

ALTHOUGH attendance at the first West Coast PGA Business School wasn't quite as high as its sponsors had hoped it would be, the initial venture in providing schooling for assistants and young pros was considered to be a highly successful one by both students and the faculty. The school had a total registration of 44, 29 of whom were assistant pros. It was held at the Alameda Municipal Golf Course, where Max McMurry is pro, from Jan. 26th through the 30th.

Persons who attended the West Coast training program came from 14 different states and some from as far away as New York, Ohio, Minnesota, Iowa, Idaho and New Mexico. One statistical minded individual figured that the faculty golf experience and learning totaling 470 years was passed on to the students.

Speakers and a resume of what they said

or taught follow:

Pat Markovich discussed the pro shop and public relations, pointing out that the important thing for pros is to be constantly alert to the opportunities for getting publicity for the shop, the club or the game.

An explanation of what a golf association does for golf was given by Bob Hanna, secy. of the Northern Calif. Golf Assn. who went thoroughly into the rules of the games, the keeping of handicaps and the conduct of tournaments.

Tells How to Repair Clubs

A comprehensive talk on the history and manufacture of golf clubs was given by John Sullivan, who also showed the young pros how to handle most of the problems they'll run into in club repairing. A prolonged question and answer period followed his demonstration.

Ray Janvier discussed law and its application to the pro shop while Dewey Longworth briefed the students on some of the things they should know in handling member relations. Accounting methods and some of the intricacies of tax law were explained by Francis Schneider.

Construction and operation of driving ranges was the subject of Joe Mozel, who related a long series of anecdotes in illustrating what a young pro may run into if

(Continued on page 80)

NEW Haig Ultra Irons



Alone in their greatness!



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The well-rounded heel of the '59 Haig Ultra irons reduces the hazard of spoiling a good shot by premature contact with the turf.



Snuggle Down Rocker Sole
The "money" irons of the '59 Haig Ultra line—the 8, 9, and pitching iron, are equipped with the Snuggle-Down Rocker sole designed to adjust to actual lies encountered on fairways, in roughs. You always get a solid hit.

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Truly the finest...truly the easiest playing irons in golf today. The brilliantly styled Haig Ultra-Powered irons provide maximum hitting power.

An exclusive Haig Ultra development is the new fan-type blade—a slightly deeper blade—with contour sole and a three-way roll. Here's an iron, with better head feel, that makes "easy play" a reality.

See the new '59 Haig Ultra irons...examine the new features...hit with them yourself. These are irons that are "professional" in every sense of the word.

And of course, they are distributed and sold exclusively by golf professionals.



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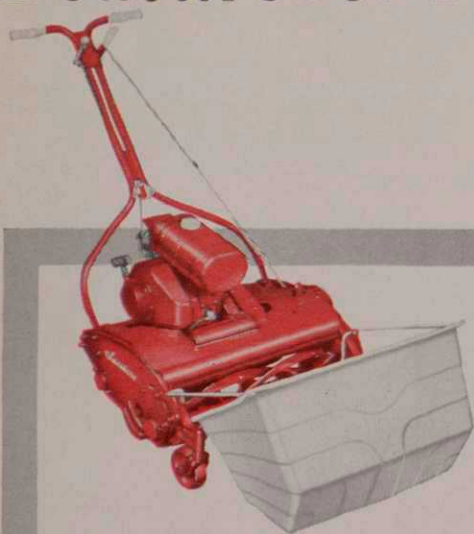
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Model 8A—24-inch cutting width. A smooth cutting "tee" mower, also widely used for mowing aprons and approaches to greens.

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Model 12A—26-inch cutting width. Wide wheel base and low center of gravity provide stability on side hills, bunkers and slopes.



TURBO-VAC

Model 75—The safest rotary mowed! 18-inch cutting width. The covered grass catcher collects clippings, leaves, litter. Excellent around swimming pools or tennis courts. Eliminates sweeping or raking.



SCEPTER

Model 8020—20-inch cutting width. For trimming around traps and cutting of dense growth, as well as clubhouse lawns. Features the Jacobsen TURBO-CUT Suction Lift Disc and durable steel deck.



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