YOUR BIG FIVE

An experienced sales organization to serve you better with famous brands

A cooperating organization of America's five leading golf pro jobbers

Knowledge of your particular needs . . . and the ready accessibility of your Big Five distributor . . . assure prompt service from our complete stock of truly distinctive Pro shop merchandise — including such famous brands as:

**Munsingwear**

**Pro-Jo: Golf Jacket**

**Bernhard Altmann**

**Con-You: Golf Cart**

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*Map showing locations of Big Five distributors across the United States.*

June, 1960
Check your Dolge supply list

Weed killers
Insecticides
Mole and gopher killers
Golf ball cleaners

Rid Turf of Insects
SOLEXTO
For turf use—Kills Japanese beetles, chinchbugs and other insects. Dilute in up to 400 parts of water.

Eradicate Weeds on Parking Lots, Roads
S.S. WEED KILLER
Soil Sterilant—Speedy killer of all types of weeds. Keeps parking lots, drives, walks, gutters clear. Spray or sprinkle. Dilute in up to 40 parts of water.

Eradicate Weeds on Parking Lots, Roads
S.S. WEED KILLER
Soil Sterilant—Speedy killer of all types of weeds. Keeps parking lots, drives, walks, gutters clear. Spray or sprinkle. Dilute in up to 40 parts of water.

Free Turf of Dandelions, Plantain
E.W.T. (2,4-D) WEED KILLER
Selective—Attacks weeds only. Rids turf of undesirable growth without injuring good grass. Non-poisonous. One gallon to 3 acres. Dilute in up to 400 parts of water and spray.

Exterminate moles and gophers.
NOMOLE
Chemically treated grain. Exterminates moles, gophers, prairie dogs, field mice and other pests. Place in holes or nesting areas.

Clean Golf Balls Thoroughly
DOLCO PINE CLEANER
Safe in any machine; has pine aroma; efficient and agreeable.

For literature on above products write to
The C.B. Dolge Company, Westport, Conn.

Battle with the Crowfoot
(Continued from page 50)

faces and was able to kill many of the new plants. Our crew used 1 x 4 in. x 4 ft. boards to push up areas that were heavily infested with the crowfoot. But by the 8th or 10th of July it was evident that we had lost again. Within a week we could hardly push a mower through the weeds.

In desperation, I made several tests with different herbicides at various rates and in many combinations. They were disappointing but gave me enough courage to go back to using 2-4-D — straight.

Signs of Success

Toward the end of July I sat down and tried to figure out what had gone wrong. I couldn’t quite figure it out myself and neither could a few other competent persons I talked to. So, I got the club’s okay to make another attempt to get rid of my nemesis. I decided on 16 ozs. of 2-4-D (40 per cent amine) to 89 gals. of water per acre. The fairways were sprayed on July 30th and on the following day were able to mow the brittle crowfoot with just one pass of the mower. The brittling had extended to the crown of the plant and this, in turn, called for roughing or dragging. We improvised a 9-ft. section of Cyclone fence, supplemented by two 6-ft. drag mats and went to work. We dragged and mowed until the first frost, trying in every way to get the crowfoot dug up and clipped — which is the secret of its elimination. On Aug. 10th we sprayed again with 1 gal. of DSMA and 16 oz. of 2-4-D. Our last treatment was made on Aug. 20th with the same solution, although cutting the 2-4-D to 8 ozs. The water rate was 89 gpa.

From then on, we started catching up with the crowfoot. The last rate, I realize, was awfully light and probably the residue from previous treatments helped to eradicate the weed. But, on second thought, we were working on new plants. So, I will let you draw your own conclusions.

My conclusion from the 1958-59 work is that DSMA does a good job of eradicating crabgrass and dallisgrass, which have also been steady visitors at Capital City. But for crowfoot I think it should be used in combination with 2-4-D along with a sticker.

Consider Other Factors

Although 2-4-D is rather dangerous to handle it has many advantages as a crowfoot killer. But in determining how much
NEW MODERN PROFESSIONAL SHARPENER HAS TWO GRINDING HEADS AND A GRINDING AREA OF 53 INCHES.

The latest Modern Professional Lawn Mower Sharpener is one of three models that can handle the smallest or the largest gang or fairway mower made. The Professional Model has two grinding heads. One enables you to sharpen the reels and the other head the bed knife. You can do all this without taking the mower off the sharpener, or dismantling it. In addition you can also adjust the mower while it is in the sharpener. 14 major improvements have been made in this unit to help you set-up faster and save you time on the actual sharpening.

Send for complete specifications today.

EDGE SAND TRAPS WITH MODERN'S POWER DRIVE EDGER

Here’s the easy way to edge your sand traps, flower beds, sprinkler heads and driveways. The Modern Power Drive Edger is a heavy duty rugged machine that can do a full days work day in and day out.

You’ll save money, time and come up with a better job. (If you have a Modern Edger the Power DRIVE Attachment can be purchased separately.)

MODERN MFG. COMPANY

160 No. Fair Oaks Ave., Dept. GD
PASADENA, CALIF.

June, 1960
of it to use you should keep temp. and humidity in mind as well as the age of the weed, moisture content of the soil, height of cut, etc. Your spray equipment should be accurately calibrated to minimize excessive burning. My spraying was at 400 lbs. pressure and the boom was reduced to 5 T-jets which gave a spray pattern of 10 ft. and helped eliminate overlapping and skipping.

As I see it, there should be a herbicide that will definitely kill crowfoot. The pre-emergent TAT 42 may be the answer but it is going to take some experimentation by supts. to prove it. What we need is a herbicide that will prevent crowfoot from seeding, or better still, if the plant completes its life cycle, cause it to produce a sterile seed. Then, perhaps, light maintenance sprayings of 2-4-D would make mowing of the weed easier.

**Puccinellia in Saline Soil**

*(Continued from page 52)*

to withstand hot weather and could be the answer to vexing salt spots throughout the semi-arid Southwest and on low-lying areas along the seacoast elsewhere in the Bermuda belt. The possibility of its use in these regions should be explored.

**Wide Distribution**

Success is more than likely because Hitchcock in “Manual of the Grasses of the United States” mentions distribution as being from Quebec to Alaska, south to Maryland, Michigan, Wisconsin, and North Dakota; Washington south to New Mexico and California. The more slender species are the form described as P. distans var. tenuis (Uechtritz) Fern and Weath.

Turf of Puccinellia distans can be produced by vegetative planting. Viable seed has been gathered from wasteland adjoining the fairways at Magna. Seed can be produced if there is a demand for it.

**CMAA Workshop Programs**

The seven CMAA workshop programs that will be offered in Aug. and Sept., at Cornell, Michigan State, U. of Florida, U. of Minnesota, Reed College, U. of Houston and Los Angeles A. C., will feature the supervisory development plan that is sponsored by the American Hotel Assn. All of the sessions will last three days.
GOLF COURSE ARCHITECT AND BUILDER CLARK GLASSON SAYS:

"It’s ‘K & M’ asbestos-cement underground irrigation pipe for me!"

"With the new ‘K&M’ FLUID-TITE Couplings, my men laid 8,000' of 4” ‘K&M’ Asbestos-Cement Pipe in two average work days at the new Palo Alto Hills Golf and Country Club, Palo Alto, Calif.

'I'm sold on ‘K&M’ Pipe. It’s easy to install, follows the natural contours of the ground, and allows a 5° deflection. Connection for valves and fittings are a snap.

'I specified ‘K&M’ Pipe for its immunity to electrolysis and corrosion, too—will keep its smooth bore forever. The light weight of ‘K&M’ Pipe makes it easy for my men to handle—no machinery is needed for installing and handling.

'I'm placing an order now with ‘K&M’ to furnish pipe for another 18-hole championship golf course in Santa Clara, California. And plan on using ‘K&M’ for three more golf courses this summer.”


KEASBEY & MATTISON at Ambler

June, 1960
The broad spectrum fungicide that combines a balanced formula of Thiram and Organic Mercury for sure and economical control of Dollar Spot, Copper Spot, Large Brown Patch, Helminthosporium-Curvularia, and controls Crabgrass at the same time!

A wettable powder, 2 ounces of Thimer in 5 to 10 gallons of water treats 1,000 sq. ft. of turf. Applications every 7 to 10 days throughout the warm weather is recommended. Thimer is packed in 20 ounce canisters, 12 to the case.

OTHER
Cleary Products for Better Turf
PMAS for Crabgrass and Turf Diseases
METHAR (DSMA)Disodium Methylarsonate herbicide; liquid and high concentrate powders
PM2.4-D Phenyl Mercury - 2.4-D Combination herbicide-fungicide
CADDY Liquid Cadmium fungicide
SPOTRETE* 75% Dry Thiram Fungicide
"ALL-WET" helps water penetrate compacted areas

Champions Golf Club
(Continued from page 40)
area. The grass was verticut and broadcast over the fairways, followed by wetting and topping. The fairways, heavily fertilized before and after planting, were ready for play within four months. White used 500 lbs. an acre before planting, another six applications at the rate of 200 lbs. an acre every 15 days after planting.

A single artesian well supplies the course’s large storage lake and four smaller lakes. Two pumps, each with a 500-gpm capacity, feed the fairway watering system. White maintains a four-month’s supply of water at all times.

Demaret and Burke spent almost two years inspecting sites before deciding on the one they chose. Two streams wind through the course and a large, deeply-embanked creek comes into view on two holes. The fourth green is located just beyond a 30-foot bank of the creek, requiring almost 200 yards of carry into the prevailing wind from the back tee. Erosion had been eating away at the green until White hit upon the idea of planting willows and wisteria vines in the bank, and piling logs, dirt and grass behind the willows. This appears to have solved the problem, at considerably less money than a retaining wall would have cost.

Five Years to Go
The pro-mgrs. say it will be at least five years before the course is the way they want it to be. Their program includes the planting of over 1,500 flowering shrubs at the rate of 500 a year—pyracantha, crepe myrtle, ligustrum, oleander, Japanese holly, mimosa, magnolia, azalea, dogwood and redbud. Five types of trees are predominant on the course—oak, pine, sweet gum, elm and hickory. Many of them are well over 50 years old.

Plummer, Demaret and Burke made full use of the ample acreage. No two holes are bunched anywhere on the entire course. There is at least a 50-yard width of wooded area between each fairway. The long teeing areas, wide fairways and large greens which afford a wide variety of pin placement, can make the course play quite easy at 6,100 yards, or very difficult at over 7,000 yards when the many hazards come more sharply into play. Par is 36-35—71 and the middle tee yardage is 6,613. The course’s 11 par-four holes are all in the 400-yard range, varying from fairly easy to very hard.
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TROJAN MILEAGE MASTER GOLF CART BATTERIES

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June, 1960
The Nadco Profit Line for 1960 is here—NOW!

Stock and display the carts you can recommend with confidence. The cart with the exclusive golf-ball grip—Nadco!

Only NADCO has ALL the PROFIT features!

* Level Glide Suspension
* Precision bearings, mud-free tires
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* Triangular design stability
* Exclusive golf-ball grip

Ask your distributor now about the all-new expanded NADCO line for 1960

Nadco Sporting Goods Co.

three par-fives are easy and the four par-threes are all difficult.

Although originally intended strictly as a golf club with only basic clubhouse facilities, Champions has yielded to family demands enough to add a luxurious swimming pool and one of the most elaborate men's lockerrooms in the Southwest. And the clubhouse calendar is full with social activities.

"They have quite a drive to get here, so we want to make it worth their while when they come," clubhouse mgr., Attas, explains.

Faculty Member Tax Ruling Applies to Club Managers

An internal revenue dept. ruling (59-409, I.R.B. 1959-52, 16, 1954 Code Secs. 119 and 3402) which was made in the case of employees of another category, applies to club mgrs. and their assistants, according to a recent CMAA Newsletter. It states: Where resident faculty members of a boarding school are furnished meals and lodging for themselves and their families on the school premises for the convenience of the employer, and are required to accept lodging on such premises as a condition of employment, that portion of the value of the meals and lodging furnished, which is allocable to themselves, is not includible in gross income. However, the value of meals and lodging furnished their wives and children constitutes additional compensation which is includible in the gross income of such faculty members. Therefore, it is subject to withholding tax.

The ruling goes on to state that the foregoing doesn't apply for any term or period during the school year when students are not in residence in the absence of showing that the faculty member's presence during such term or period is for the convenience of the employer.

Rutgers Field Day

The 1960 Rutgers Turfgrass field day is scheduled for Aug. 10 and 11. Lawn and high-cut turf studies will be shown on the 10th and close-cut turfgrass studies will be shown on the 11th. Tours will start at 10:30 a.m. and 1:30 p.m. on both days.

Ryder Cup Matches

East Lake CC in Atlanta will be the site of the 1963 Ryder Cup matches. The 1961 competition will be held at Royal Lytham and St. Anne's CC, St. Anne's-on-the Sea, Eng.
Why not green fairways, too?...

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Gold Label rigid pipe, produced only by Yardley, is designed to handle all present and future pressure requirements normally encountered in engineered water systems. This high-strength "any-use" product stops pipe selection problems. What's more you can have a long-lasting, dependable water system even on a modest budget.

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Gentlemen: Please send complete details on Gold Label pipe

NAME
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STATE

June, 1960
Golf Car Transport
(Continued from page 34)

decided that the cars could be shipped uncrated, but more than this, there was no need for them to be scratched or battered in transit.

To do this, it was necessary to consider the number of cars per load and to make the plan feasible economically. This indicated a need for double-decking. Special, constructed vans were ordered. They embodied the necessary features that would permit double-decking as well as the easy loading and unloading of a substantial number of cars. Trans-American Van Service can load 16 cars into a 35 ft. van and 20 cars in a 40 ft. van. The body of the van literally is an engineering masterpiece with specially devised rigging equipment which has solved many critical problems previously considered insurmountable.

Out of Van, Onto Fairway
One club owner observed: "Our first golf car was half-way down the first fairway almost as soon as the van pulled in. When cars were delivered uncrated we were two days getting them uncrated and ready for use." Another club reported that its last shipment of uncrated golf cars made the parking lot unusable until all the nail laden crating was removed.

Trans-American Van Service is hauling cars for a number of prominent manufacturers. Victor Adding Machine Co., of Chicago, is using the Trans-American method of transporting its Electri-Car with complete success. Delivery is door to door — only one handling — no transferring from dock to dock and no burden at all to the club. The carrier has been franchised by the Interstate Commerce Commission to handle loads of this nature.

American Recreation Makes Nationwide Muny Survey
American Recreation Society golf committee is making a nationwide survey of municipal and tax supported courses. It is being headed by Robert M. Shultze of Bridgeport, Conn. Comprehensive information touching on size, number of holes, fees, key personnel, rounds played per year, annual operating costs, receipts, etc. will be included in the survey in its final form. Publication, by five geographical regions, is expected this fall.

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