

tarded markedly by all concentrations of it. Seedling plants were more susceptible than mature ones. Arsenious oxide gave best control but was highly toxic to rye, grasses, and nursery plants at larvicidal levels.

In areas where soil acidity prevails and bent or fescue are dominant grasses, prudence suggests that the effect of calcium arsenate be tested in a limited way before embarking on large scale applications.

Effective in the South

The newer disodium methyl arsonates have been especially useful in the South because of their ability to control some weeds that have resisted other herbicide types. Control of crabgrass has been good but no better than with sodium arsenite. The combination of disodium methyl arsonate and 2, 4-D has eliminated nutgrass, bullgrass, dallis grass, goosegrass, lemon-grass, pennywort and dichondra.

Where infestation is only crabgrass, control can be obtained at less cost with sodium arsenite. There will be discoloration but that will occur with any effective herbicide where the infestation of crabgrass is heavy.

Fairway spraying with phenyl mercury and ferrous sulphate started in the Chicago area in the poor 1959 season. Their use was continued in 1960 even though the summer was not bad weatherwise. Rates were in the range of 1/2 to 4/5 ozs. of 10 per cent phenyl mercury and 2 to 3 pounds of ferrous sulphate per acre. Indications are that more clubs will spray in 1961. Poa survival has been better both years as a result of the spray program.

Change in Fertilization

Fertilization of watered, cool season fairways on Northern courses is undergoing change. With the new type wide-throw spreaders, an 18 hole course can be fertilized in a day or less. Best results are obtained with granular fertilizer. Drift loss is excessive with dusty fertilizers. Scorch or burn is less likely with fertilizer of low solubility but moderate activity. Fairways are fertilized generously in late fall. Need for phosphate or potash is satisfied at that time. No more fertilizer is used until June because spring is the best season for growth. During June, July, and Aug. fertilization is at the rate of 250 to 400 lbs. per acre, or 15 to 24 lbs. actual N each time.

Fairway watering continues to gain favor. On high pressure systems the trend is to closer spacing of snap valves at about 80 ft. instead of 90 to 100.

Seniors Play 22nd Championship

Thirty-four sectional Teacher's Trophy winners will compete in the 22nd PGA Seniors' Championship to be played in Dunedin, Fla., Feb. 14-19. Prize money of \$15,000 will equal the all-time high of 1960. Dick Metz of San Antonio is the defending champion. For the eighth consecutive year the tournament, for professionals who are 50 or older, is being co-sponsored by Wm. Teacher & Sons, Ltd., Glasgow, Scotland. Prize money has tripled since Teacher & Sons came on the scene. Closing date for entries is Jan. 28.

Swinging Around Golf

(Continued from page 16)

itect for course near Hammond, Ind. . . . Al Tull is architect of 27-hole layout for Whitney G&CC, to be built on former estate of Cornelius Vanderbilt Whitney at Old Westbury, L. I., N. Y., near Roosevelt Raceway.

Pros coming to PGA's Dunedin, Fla., course have a chance to see a short course of a type that probably will become popular and profitable as adjuncts to a motel . . . Bob Sutherland built the 6-hole course on 7¼ acres 2½ miles east of Dunedin on highway 580 at Sun-ni-land motel owned by Mr. and Mrs. C. G. Overcash . . . Par for the 6 holes is 22 . . . No charge for motel guest to play for 18 holes . . . General public charge is \$1 for 18; after 4:30 p.m., 50 cents.

Lost Tree Club 18 designed by Mark Mahannah and with Joe Belfore, CC of Detroit pro as its winter pro, opening soon . . . It has two miles of Atlantic frontage and some frontage on Lake Worth, south of Seminole . . . Combination course and very deluxe real estate project headed by Lloyd Ecclestone, Detroit financier.

Harry A. Meusel, Yale university course supt., elected pres., Connecticut Assn. of Golf Course Supts. . . . Maurice S. Ryan, Race Brook, is vp and Charles Traverse, Mill River, sec.-Treas. . . . Andrew F. Lentine, Tumble Brook, was elected asst. sec.-treas., and Robert W. Sully, Wampanoag was made a director . . . Roland Wingate, Fort Myers (Fla.) CC pro, during trip he and Mrs. Wingate took to Britain this summer, visited grave of Young Tom Morris at Kirkaldy and found that vines had overgrown the stone and plaque . . . Wingate took out his pocket-knife and cleaned up the place.