

ing so much at most clubs that the ladies tees, which commonly are only makeshift jobs of design and construction that have been in 20 years or longer at many courses, can stand studious reconstruction," Leix points out.

This year Leix has had excellent results in applying the new crabgrass control chemicals and advises that this application of one result of research alone has been worth a great deal to his club.

As far as the program for golf turf research is concerned the Shannopin supt. opines: "Burt Musser of Penn State has the experience, knowledge and about everything else but money and additional qualified men to develop turf research along lines that will do most good for golfers. Golf course supts. and chmn. know how difficult it is to get the budgets they need and, of necessity, have tight operating policies. Practically every man responsible for course maintenance in Pennsylvania can testify that every penny Musser and his associates has spent in turf research has paid dividends to golf."

Suggests Turf Research Under Playing Conditions

Lawrence Huber, supt., Ohio State University courses, Columbus, O., voices the opinion of numerous supts. in saying he would like to see more turf research conducted under actual playing conditions. Some subjects that, in Huber's judgment, need scientific study on courses where thousands of rounds are played are crabgrass elimination, poa annua control and compaction. The great practical value turf research has meant in course operation would be substantially increased if research specialists and supts. could devise procedure that would present conditions of actual golf turf use as the basis of research projects.

Huber says that in his own case his practical experience is kept closely coordinated with what he learns by observation of the tests made at the Midwest Turf Foundation plots at Purdue and other experimental stations, and with the experience of successful supts. he meets at the GCSA annual conferences.

One point that Huber stresses in commenting on this year's course maintenance operations is that standards of "house-keeping" at courses have been noticeably better than ever before. He says "better grooming definitely has improved playing conditions. Better equipment and more

of it, increased understanding of the details and policies of course management and, for the first time in years, a higher grade of available labor have enabled many supts. to give more polish to the job than has been possible before."

California Groups Hold Turf Conference

The annual joint meeting of the Northern and Southern California GCSA was held at the Sunnyside CC, Fresno, Oct. 9. The joint meeting of the two groups has been an established custom for many years and was attended by more than 100 supts.

Verne Conklin, pres. of the northern group was host with Jack Baker, Valley Club, Santa Barbara, pres. of the southern group, assisting.

Winton Strong of Fresno State College gave the luncheon talk on soils and irrigation. Using test tubes, flower pots, coffee cans and orange juice cans, Strong told his audience much about water and its use, soils, soil compaction, irrigation and methods of making simple soil tests to aid management and irrigation practices.

Washington Junior Program

The Junior Golf program of Washington, D. C., now in its 29th year, is keeping 400 boys "off the streets and on the fairways from April until fall," according to Frank Emmet, director, who has long played a leading role in providing recreation for youthful clubswingers in and around the nation's capital.

This year, the Washington Junior group sponsored three high school leagues and promoted five tournaments. In past years it has played host to the USGA Junior championship, Simpson Cup (International team matches) and Western Junior championship. The USGA Junior tournament is scheduled to be held under its auspices again in 1957.

Arrangements also were made to send Washington Junior stars to leading national tournaments this year in Massachusetts, North Dakota and Toronto.

Sixteen pros have graduated from Washington Junior ranks and more than 50 amateurs who have won local or national recognition as star golfers got their start in the program. Golf Writer Merrell Whittlesey of the Washington Star was also introduced to the game through the Junior program.