and watch poa go out in fairway areas because of a lack of moisture control in these areas anywhere near that of the greens. Our green watering program during midseason generally calls for the watering of the greens about every other night and sometimes every night, for periods varying from 15 minutes to 1 hour. One can readily see then that this sort of control has been out of the question on larger fairway areas because of the limitations of water systems.

At Beverly we are meeting this problem by installation of additional pumping facilities that will allow us to use approximately 1400 gals, per minute compared to the former 450 that has been more or less standard in the past. This simply means that we will have the capacity to water all tees, greens and fairways during one night if we so desire. And many is the time when poa annua starts turning blue with wilt that we say, "If that turf doesn't get water tonight, or sooner, it will be gone by tomorrow." At the same time we know that our water system will only allow for watering of perhaps 6 fairways and the rest will have to wait for one or two days more.

After we achieve moisture control through irrigation, drainage and aerification our last obstacle to maintenance of close cut bent and poa annua fairways is disease control of these larger areas.

To summarize, I believe it may be simply put: through controlled moderation of fertility and moisture we can expect turfgrass to be more resistant, more tolerant, healthier and more usable than ever before.

## Dr. Frank Keim, Turfgrass Leading Teacher, Dies

THE sudden death of Dr. Frank D. Keim in Washington, D.C., on March 15, 1956 marked the passing of one of the greatest friends turfgrass people ever had. His name and his fame though little known in turfgrass circles, has been carried to the ends of the earth by his loyal students in agronomy from the University of Nebraska. Dr. Keim, the teacher, gave so much of himself to his hundreds of students, that they multiplied his gospel a thousandfold. He gave inspiration to his students, to his staff, and to everyone who knew him.

Dr. Keim was one of the first administrators at a great land-grant institution who

## **BOOK REVIEW**

Golf Secrets of the Pros - By Larry Robinson. Published by Fawcett Publications, Greenwich, Conn. Price 75 cents.

Robinson, who's been close-up to star galf for many years as the New York World-Telegram Sun's golf reporter, has produced a highly interesting and helpful book in this profusely illustrated 148 page paperback book, Don't let the price fool you; there's a lot of fine stuff—type and pictures — in the book.

Pros who are subjects of the book's chapters are Snead, Middlecoff, Mangrum, Souchak, Armour, Stranahan, Bayer, De-Toski, Fleck, Littler and Jack Burke.

Fleck, Littler and Jack Burke.

Among the informative pictures which pack the book are some of the GOLFING magazine special action series with the horizontal lines at knees, hips and shoulders and the vertical line through the center of the body; the pictorial treatment which has made it easier for the average golfer to read and understand golf pictures as his pro is using them for his instruction.

recognized that turf was a part of agriculture. The fact that he did something about it eloquently is told in the mere listing of some of his agronomy students who have made significant contributions in the turfgrass world:

Dr. Howard B. Sprague, Dr. Burton H. Kiltz, Dr. Fred V. Grau, Dr. Glenn W. Burton, Dr. G. O. Mott, Gordon Jones, Dr. Ralph H. Engel, Dr. John Bengston, Dr. Willis Skrdla, Don Likes.

One could go on to name many more of his students who have reached the pinnacle in their professions — in genetics, in soil conservation, in range management, in pasture management, to name a few.

Seeks Retired Superintendents

Art Snyder, who is running the Turfgrass Farm, 4961 E. 22d st., Tuscon, Ariz., is looking for some retired golf course superintendents who could supervise large plantings of Meyer Z-52 zoysia for three to five weeks. If you know any such men have them write Art,

## Club Managers

Turn to page 126 — and make sure your active operating heads receive GOLFDOM in 1956.