

## TIMELY TURF TIPS

### SOME ASPECTS OF RESEARCH IN GREENKEEPING

An interesting report, prepared by E. Bruce Levy, Director, Greenkeeping Research, appeared in the Proceedings of the Seventh Annual Meeting and Conference of the New Zealand Greenkeepers' Association, held at Palmerston, February 7th to 9th, 1939, under the above title. His remarks about S/A (Sulphate of Ammonia) and S/I (Sulphate of Iron), are of especial interest and, therefore, reproduced herewith.

*"It can be shown that regular treatments with toxic fertilizers such as S/A and S/I produce weed, clover and worm free swards howbeit accompanied by a dryness and openness of the sward that is unsatisfactory in practice. The additions of superphosphate to S/A and S/I has to some extent improved the turf generally, but there is still much to be desired, particularly in the summer so far as the appearance of the turf is concerned.*

"A new series of topdressing plots commencing this year contains treatments designed to give information on the effect of adding non-toxic fertilizers to the standard dressings of superphosphate plus toxic fertilizers that in the past have given adequate control of weeds, clover and worms. Thus to the toxic standard mixture of S/A, Super. S/I and K (potash) are added to individual plots dried blood, nitrate of soda, Humber fish manure, carbonate of lime. Steamed bone flour is also being tried as a substitute for superphosphate.

"... From information secured to date it would appear as though it is not really a question of how much toxic fertilizer one may apply over a period of time, but largely on the degree of acidity secured as a result of those applications. Thus, where lime has been applied in sufficient quantities to neutralize the acidifying effects of S/A and S/I, it has reduced almost entirely the toxic effect of S/A and S/I, and this is reflected in an almost entire lack of control of weeds, clover and worms, but howbeit accompanied by a greener and more thrifty sward.

"The real problem in greenmaking is to combine fertilizers and apply these in such a way as to promote a healthy green color in the sward coupled with weed and clover control, and from the experience of the past it would appear as if toxic fertilizers must be persisted with until the green is free of weeds and clover, and when this condition is reached, judicious applications of lime and other non-toxic fertilizers may be advantageously applied."

Additional details can be obtained in the complete report mentioned above . . . furnished on request. Write:

Turf Service Bureau

THE SEWERAGE COMMISSION

Milwaukee

Wisconsin

# MILORGANITE

## for BETTER TURF

## GOLF DIVOTS OF THE MONTH

**B**EN HOGAN finished among the first five golfers in the recent Miami \$10,000 Open, and thereby won the PGA Vardon trophy—symbolic of professional golfing consistency. Hogan finished with 423 points; Sam Snead was second with 393. Snead, defending Miami Open champion, needed to win the event again to capture the PGA trophy . . . Cleveland District Greenkeepers 1941 officers are: pres., Howard Simmons, Highland Park GC; 1st vice-pres., Earl Yesberger, Homelinks GC; 2nd vice-pres., Elmer Corlett, Beechmont CC; sec'y-treas., Nelson Monical, Westfield CC.

Fire continues its unpopular rating as one of the golf clubs' greatest hazards. Word has been received of the following recent fire damage at golf clubs: \$12,000 loss at Joe Kirkwood's pro-shop at Huntingdon Valley CC in the Philadelphia district—the clubs of more than 100 members, along with new stocks of equipment to handle the Christmas rush, were destroyed; \$4,500 fire damage at the Oakley CC, Watertown, Mass.—the blaze, which originated in a chimney, swept through two floors of the Oakley clubhouse before firemen could bring the fire under control; only slight damage at the Waubanaque GC clubhouse at Burlington, Vt.—flames caused by a defect in the fireplace had burned into a partition and were starting to go through into the kitchen, when firemen arrived with a booster line.

Annual Midwest amateur tournament at French Lick Springs, Ind., will be held April 4-6. Gus Novotny of Cincinnati is defending champion. . . . Horton McVeigh, pro at the Breezy Point Lodge course in Pequot, Minn., has been appointed winter pro at the Wood Hills GC, Girard, Calif. Horton is still a few months shy of his 20th birthday. . . . Doug Turnesa has terminated his three-year contract at the Pine

(Continued on Page 7)