



# USGA GREEN SECTION RECORD

A Publication on Turf Management by the United States Golf Association

© 1969 by United States Golf Association. Permission to reproduce articles or material in the USGA GREEN SECTION RECORD is granted to publishers of newspapers and periodicals (unless specifically noted otherwise), provided credit is given the USGA and copyright protection is afforded. To reprint material in other media, written permission must be obtained from the USGA. In any case, neither articles nor other material may be copied or used for any advertising, promotion or commercial purposes.

VOL. 7, NO. 6

NOVEMBER, 1969

Turfgrass and the Common Cold	by Holman M. Griffin	1
How to Seal a Leaking Pond	by Ted Roberts, Jr.	5
Super Sam	by Paprocki	7
Lightning and Shelters	by James B. Moncrief	8
Turf Grass Research	by Coleman Y. Ward	10



COVER PHOTO:  
A bolt of lightning struck the metal hole liner on this green and caused extensive damage to the turf.

Published six times a year in January, March, May, July, September and November by the UNITED STATES GOLF ASSOCIATION, 40 EAST 38th ST., NEW YORK, N. Y. 10016. Subscription: \$2 a year. Single copies: 35¢. Subscriptions and address changes should be sent to the above address. Articles, photographs, and correspondence relevant to published material should be addressed to: United States Golf Association Green Section, P. O. Box 567, Garden Grove, Calif. 92642. Second class postage paid at Albany, N. Y. and New York, N. Y. Office of Publication: 40 East 38th Street, New York, N. Y. 10016.

Editor: William H. Bengeyfield

Managing Editor: Robert Sommers

Art Editor: Miss Janet Seagle

Green Section Committee Chairman: Henry H. Russell, P.O. Box 697, Miami, Fla. 33157

#### Green Section Agronomists and Offices

##### EASTERN REGION

P.O. Box 1237

Highland Park, N. J. 08904

Alexander M. Radko, Director, Eastern Region  
and National Research Director

A. Robert Mazur, Eastern Agronomist

James W. Timmerman, Eastern Agronomist  
(201) CH 9-0225

##### SOUTHERN REGION

P.O. Box 4213

Campus Station, Athens, Ga. 30601

James B. Moncrief, Director, Southern Region

Holman M. Griffin, Southern Agronomist  
(404) LI 8-2741

##### MID-CONTINENT REGION

Room 905

211 East Chicago Avenue, Chicago, Ill. 60611

F. Lee Record, Mid-Continent Agronomist

Paul Alexander, Mid-Continent Agronomist  
(312) 943-5022

##### WESTERN REGION

P.O. Box 567

Garden Grove, Calif. 92642

William H. Bengeyfield, Director, Western Region  
and Publications Editor

G. Duane Orullian, Western Agronomist  
(714) 638-0962