

ROBERT E. POWER,
President and Editor.
FRANK H. PELTON,
Secretary.
C. E. LOWE,
Treasurer.
M. J. FOX,
Assistant Secretary.

The NATIONAL GREENKEEPER

(Registered U. S. Patent Office)

Official Organ of the National Association of Greenkeepers of America

Published monthly at 405 Caxton Building, Cleveland, Ohio.

Contents copyright, 1930, by The National Greenkeeper, Inc., Publishers.

Entered as second-class matter, Aug. 25, 1928, at the post office, Cleveland, Ohio, under act of March 3, 1879

All Rights Reserved — None of the contents of this Magazine, either wholly or in part, may be reprinted without permission.

EDITORIAL COUNCIL
ALEX BINNIE *Chairman*
FRANK ERMER
M. E. FARNHAM
ALFRED E. LUNDSTROM
WALTER C. REED

Contents

THE BATTLE OF 1931 <i>By James A. Smith</i>	5	CLEVELAND DISTRICT NEWS <i>By Walter E. Knowles</i>	28
WHAT A HOT SUMMER WE HAD — HERE'S WHAT THE GREEN- KEEPERS SAY!.....	6	PACIFIC COAST GOSSIP <i>By Arthur Langton</i>	28
GREENKEEPING TODAY AND TOMORROW <i>By Professor L. S. Dickinson — Chapter VIII</i>	23	OKLAHOMA NEWS <i>By Merle Zweifel</i>	29
RHODE ISLAND GREENKEEPERS FEAST.....	25	MINNESOTA GOSSIP <i>By H. E. Stodola</i>	30
CANADIAN NEWS <i>By J. H. Evans</i>	26	GOLF NEWS.....	31
PHILADELPHIA NEWS <i>By M. E. Farnham</i>	26	MARKET PLACE AND BUYER'S GUIDE.....	32
NEW FRENCH RIVER COURSE <i>By E. H. Banks</i>	27		

Officers---National Ass'n of Greenkeepers of America

John Morley, President
Youngstown Country Club
2248 Selma Avenue
Youngstown, Ohio

John Quail, Secretary
Highland Country Club
426 Highland Avenue
West View, Pittsburgh, Penn.

Fred A. Burkhardt, Treasurer
Westwood Country Club
Cleveland, Ohio

John MacGregor, First Vice Pres.
Chicago Golf Club
Box 717, Wheaton, Illinois

Wm. J. Sansom, Second Vice Pres.
Toronto Golf Club
Long Branch, Ontario, Can.

Robert J. Hayes, Third Vice Pres.
Pelham Country Club
Pelham Manor, New York

George Davies, Fourth Vice Pres.
Big Springs Golf Club
Louisville, Kentucky

John Anderson, Fifth Vice Pres.
Crestmont Country Club
West Orange, New Jersey

DISTRICT VICE PRESIDENTS

ELMER F. AFFELDT, Engineers' Country Club, Roslyn, Long Island, New York.
A. E. ARNOLD, Masonic Country Club, Grand Rapids, Michigan.
C. J. AUGUSTO, Del Monte Country Club, Del Monte, Calif.
G. W. BARNES, Banff Springs Golf Course, Banff, Alberta, Canada.
C. G. BARTON, Sylvania Golf Club, Toledo, Ohio.
ALEX BINNIE, Shoreacres Golf Club, Lake Bluff, Ill.
JAMES BOLTON, Berkshire Country Club, Reading, Pennsylvania.
MICHAEL BISSEL, Montclair Golf Club, Montclair, New Jersey.
ALEX BOYD, Rainier Country Club, Seattle, Washington.
A. L. BRANDON, Saint Charles Country Club, Saint Charles, Illinois.
CARL A. BRETZLAFF, Meridian Hills Country Club, Indianapolis, Indiana.
PAUL BROCKHAUSEN, New Blue Mound Country Club, Wauwatosa, Wisconsin.
THOMAS BRYDON, Kahkwa Country Club, Erie, Pennsylvania.
J. O. CAMPBELL, Wethersfield Country Club, Hartford, Connecticut.
JAMES CONNAUGHTON, Monroe Golf Club, Pittsford, New York.
CARL DAVIS, Moonbrook Country Club, Jamestown, New York.
E. E. DAVIS, Meadville Country Club, Meadville, Pennsylvania.
M. L. DePARLIEN, Gulf Stream Golf Club, Delray Beach, Florida.
THOS. E. DOUGHERTY, Springhaven Country Club, Chester, Pennsylvania.
GORDON W. EARL, Ogdensburg Country Club, Ogdensburg, New York.
CHARLES ERICKSON, Minikahda Club, Minneapolis, Minnesota.
FRANK W. ERMER, Ridgewood-Willock Golf Clubs, Cleveland, Ohio.
LEWIS M. EVANS, Tam O'Shanter Golf Club, Canton, Ohio.
O. E. EVANS, Country Club, Yorktown, Virginia.

R. E. FARMER, Brynwood Country Club, Milwaukee, Wisconsin.
D. ALLEN FRASER, Berkshire Hunt and Country Club, Lenox, Mass.
THOS. C. GOODMAN, Normanside Country Club, Albany, New York.
FORD GOODRICH, Flint Country Club, Flint, Michigan.
JOHN GRAY, Essex Golf and Country Club, Sandwich, Ontario, Canada.
J. E. HAMMER, JR., Memphis Country Club, Memphis, Tennessee.
HARRY HANSON, Maple Bluff Country Club, Madison, Wisconsin.
H. HAWKINS, Lakeview Golf Club, Port Credit, Ontario.
ROBERT HENDERSON, Country Club of Buffalo, Williamsville, N. Y.
G. HOLMQUIST, Fort Wayne Country Club, Fort Wayne, Indiana.
FRANK J. HOSNER, Glendale Golf and Country Club, Saginaw, Michigan.
ARTHUR J. JENSEN, Fargo Country Club, Fargo, N. D.
CHAS. S. KESSELRING, Moundsville Country Club, Moundsville, West Virginia.
FRED LARRENCE, Deal Golf Club, Oakhurst, New Jersey.
M. W. LAWRENCE, West End Country Club, New Orleans, Louisiana.
GEORGE LIVINGSTONE, Bell Meade Country Club, Nashville, Tennessee.
HUGH LUKE, Garden City Country Club, Garden City, New York.
JEROME MACDONALD, Palmetto Golf Club, Aiken, South Carolina.
TOM K. McCLENAHAN, Mayfair Golf and Country Club, Edmonton, Alberta, Canada.
JOE P. MAYO, Pebble Beach Country Club, Pebble Beach, California.
CHESTER MENDENHALL, Wichita Country Club, Wichita, Kansas.
T. H. RIGGS MILLER, Richmond County Country Club, Staten Island, New York.

HUGH C. MOORE, St. Simon's Island Golf Club, St. Simon's Island, Ga.
JAMES MURDEN, Ridgewood Golf Club, Cincinnati, Ohio.
L. T. PARKER, Pasadena Golf Club, Pasadena, California.
WILLIAM E. PERKINS, Yale Athletic Ass'n., New Haven, Connecticut.
JOHN PIRIE, Whippoorwill Country Club, Chappaqua, N. Y.
CLARENCE PLOSS, Salem, Mass.
EDWIN O. PRATT, Mission Hills Country Club, Kansas City, Kansas.
WALTER C. REED, Westwood Country Club, St. Louis, Mo.
ROBERT SCOTT, Baltimore Country Club, Baltimore, Maryland.
H. E. SHAVE, Oakland Hills Country Club, Birmingham, Michigan.
CLARENCE W. STROUSE, Highland Country Club, Grand Rapids, Mich.
DAVID TAIT, Northwood Country Club, Meridian, Mississippi.
RALPH THOMAS, Sandy Burr Country Club, Waltham, Massachusetts.
D. R. VALENTINE, Beaumont Country Club, Beaumont, Texas.
JOSEPH VALENTINE, Merion Cricket Club, Philadelphia, Pennsylvania.
TOM VARDON, Yacht Club, White Bear, Minnesota.
RICHARD WATSON, Chevy Chase Golf Club, Washington, D. C.
BONNIE WEAVER, Burlington Golf Club, Burlington, Iowa.
GEORGE WELLIN, Tumblebrook Country Club, New Britain, Conn.
JACK WELSH, Wakonda Country Club, Des Moines, Iowa.
SAM WHITING, Olympic Club, San Francisco, California.
JOSEPH WILLIAMSON, Scioto Country Club, Columbus, Ohio.
WALTER WOODWARD, Senneville Country Club, Montreal, Quebec, Canada.