

Friday, February 14

- 8:00 a.m. Drainage problems ----- Mr. Jones
 9:00 a.m. Golf course equipment -- Mr. Tregillus
 10:30 a.m. Landscape problems ----- Mr. Aust
 1:30 p.m. Laboratory instructions
 Section 1—Soils
 Section 2—Seed studies
 Section 3—Gas engines
 Section 4—Land drainage
 3:30 p.m. Final conference

Student Enrollment

SECTION I

- E. A. Lietzinger, Cambridge, Wis., Lake Ripley
 Harry Stewart, Fort Atkinson, Wis., Lake Ripley
 Roy Meyer, Baraboo, Wis., Baraboo
 J. E. Snobble, Evanston, Ill.
 A. J. Gillett, Rockford, Ill., Harlem Hills
 B. M. Donovan, R. 3, Bloomington, Ill., Highland Park
 Frank J. Dinelli, Ravinia, Ill., Northmoor C. C.
 Claire Binkley, Freeport, Ill., Freeport C. C.
 R. Burns Michael, Oconomowoc, Wis., Oconomowoc C. C.
 F. L. Johns, Platteville, Wis., Platteville C. C.
 Fred Boeye, Northbrook, Ill., Middlebrook C. C.
 E. J. Simon, R. 5, Rockford, Ill., Sandy Hollow C. C.
 J. B. Boyd, Northbrook, Ill., Sunset Ridge C. C.
 Paul Brockhausen, Wauwatosa, Wis., Blue Mounds C. C.
 L. W. Quigley, Wauwatosa, Wis., Jacobsen Mfg. Co.

SECTION II

- C. B. McCann, Eau Claire, Wis., Hillcrest Golf C.
 F. J. Hartwell, Hinsdale, Ill., Ruth Lake C. C.
 Harry A. Neipert, R. 1, Jefferson, Wis., Meadow Spgs. G. C.
 Don R. Boyd, Northbrook, Ill., Techny Fields
 F. J. Ranney, West Salem, Wis., Maple Grove C. C.
 Fritz Reinhart, Beloit, Wis., Morse Hills G. C.
 James Gloster, Delavan, Wis., Lake Lawn G. C.

- Peter Sieber, R. 3, La Crosse, Wis., Winneshiek G. & C. C.
 H. J. Wittenberg, La Crosse, Wis., Winneshiek G. & C. C.
 L. R. Bloomquist, R. 2, Minneapolis, Minn., Country Club
 J. H. Bauer, Prairie View, Ill., Kildeer C. C.
 E. M. Iverson, Williams Bay, Wis., Kishwaukee C. C.
 Donald Gates, Williams Bay, Wis., Kishwaukee C. C.
 Roy R. Springer, R.3, Rockford, Ill., Mauh Mah Tee See G. C.
 Fred Peter, Waukesha, Wis., Spring City

SECTION III

- Mavor Boyd, Hillside, Ill., Maywood G. C.
 Otto Schael, Wausau, Wis., Wausau C. C.
 Harold Bergan, Winthrop Harbor, Ill., Oakshore G. C.
 Robert E. Farmer, North Milwaukee, Wis., Brynwood C. C.
 Evald Fischer, South Milwaukee, Wis., Grant Park G. C.
 E. J. Levenhagen, West Allis, Wis., Greenfield Park G. C.
 Russell Kurtz, Wauwatosa, Wis., Currie Park G. C.
 A. W. Wilbrandt, N. Milwaukee, Wis., Brown Deer Pk. G. C.
 Phillip Wagner, R. 4, West Bend, Wis., West Bend C. C.
 Paul W. Sommer, R. 1, Elkhorn, Wis., Lauderdale C. C.
 M. P. Christensen, Racine, Wis., Jacobsen Mfg. Co.
 Eugene A. Fox, Racine, Wis., Racine C. C.
 Adam Fleek, Broadhead, Wis., Decatur Lake C. C.
 Dick Ryerson, Milwaukee, Wis., Equipment Dealer

SECTION IV

- J. N. Monical, Maywood, Ill., Maywood G. C.
 Alfred Ludwigson, Hartland, Wis., Cheniqua C. C.
 Verland Miller, S. D. R. 2, Milwaukee, Wis., Tuckaway C. C.
 Albert Nettum, Stoughton, Wis., Stoughton C. C.
 Wesley Merrifield, Delafield, Wis., St. John's G. C.
 Clement Kalitowski, Winona, Minn., Westfield G. C.
 Harry Kubiak, La Crosse, Wis., La Crosse C. C.
 Henry White, Lake Geneva, Wis., Hillmoor G. C.
 John S. Bone, Madison, Wis., Black Hawk C. C.
 H. W. Schmitz, Sparta, Wis., Sparta C. C.
 R. F. Zerg, Madison, Wis., Municipal
 V. S. Dietz, Beloit, Wis., Beloit C. C.
 Owen Baker, Beloit, Wis., Superintendent of Parks
 Ross Yost, Beloit, Wis., Municipal
 C. L. Bingham, Beloit, Wis., Municipal

Cut Your Greens in HALF the time at HALF the Cost!

A careful check of comparative mowing costs with hand mowers and with Jacobsen Power Putting Green mowers reveals facts of vital interest to every Golf Club. The varying conditions in different localities affect mowing costs slightly, but the following extracts from authentic tests will give you an interesting picture.

Fort Wayne Country Club, Fort Wayne, Ind.

Cost of mowing 18 greens averaging 6188 square feet each, with two 19-inch Jacobsen Power Putting Green Mowers . . . 2 men, 9 hours each at 50 cents an hour . . . 28 cents per green. Saving for the season \$1890.00

Culver Military Academy, Culver, Ind.

10 greens . . . 8,000 square feet each, 1 man with 24-inch Jacobsen Power Putting Green Mower . . . 7 1/2 hours. Cost per green 30 cents Saving per season \$782.00

Evanston Golf Club, Evanston, Ill.

10 greens, 12,000 to 15,000 square feet each, 2 men with 24-inch Jacobsen power Putting Green mowers . . . Cost per green 40 cents. Saving per season \$945.00

Rockford Country Club, Rockford, Ill.

18 greens, 5,000 square feet each, 1, 24-inch Jacobsen Power Putting Green mower . . . cost per green 17 cents. Saving per season \$675.00



All the above greens are Creeping Bent. Compare these figures with your mowing costs. Then write for our free book of Power Putting Green Upkeep Equipment giving complete details of the tests.

JACOBSEN MFG. CO., Racine, Wis.
 New York Office: 507 W. 56th St.



A full battery of Jacobsen Power Mowers at Kahkwa Country Club, Erie, Pa.

The JACOBSEN Power Putting Green Mower A Time-Tested Product

The Jacobsen record is your assurance of complete satisfaction. Jacobsen leadership in walking power mowers dates back ten years. Jacobsen Power Putting Green mowers have progressed in keeping with changes in putting green turf and topography. Aluminum construction of major castings, enclosed gear drive, auto-type differential, separate clutch control of traction and cutting units, self-sharpening device, and motors specially built for power mower operation, are Jacobsen developments that have mastered the problem of cutting modern greens with power mowers. Jacobsen Greens Brush attachment and a power transport cart are additional equipment which increases the value of the mowers.

Test them on your own Greens without obligation. Trial demonstrations gladly arranged. Mail the coupon for our free book: "Modern Equipment for Putting Green Upkeep."

Jacobsen Mfg. Co.
 Dept. 11, Racine, Wis.
 You may mail your Free Putting Green Book to
 Name _____
 Address _____

Registration List - Louisville Convention

NOTE:—This is only a partial list of those attending the Golf Show and Educational Conferences, since a great many who were present did not register.

GREENKEEPERS

- ELMER F. AFFELDT**
Glen Oaks Golf and Country Club
Great Neck, L. I., New York
- GRANGE ALVES**
Acacia Country Club
Cleveland, Ohio
- L. AMBS**
Ella W. Sharp Park
Jackson, Mich.
- H. K. ANDERSON**
Miami Valley Golf Club
Dayton, Ohio
- JOHN ANDERSON**
Crestmont Golf Club
West Orange, N. J.
- A. E. ARNOLD**
Masonic Country Club
Comstock Park, Mich.
- JAMES ATICHISON**
Odevene Country Club
Delaware, Ohio
- C. BAIN**
Oakwood Club
Cleveland, Ohio
- FRANK BAIN**
Broadmore Country Club
Indianapolis, Ind.
- JACOB BALDAUF**
Bloomington Country Club
Bloomington, Ill.
- FRANK BALDING**
Sunnyside Golf Club
Decatur, Ill.
- LOUIS A. BARKDULL**
Kokomo Country Club
Kokomo, Ind.
- C. G. BARTON**
Sylvania Golf Club
Sylvania, Ohio
- ANDREW BECK**
Battle Creek Country Club
Battle Creek, Mich.
- SANDER BEDFORD**
Messena Country Club
Messena, N. Y.
- JAMES BEDONY**
Bryn Mawr Country Club
Chicago, Ill.
- DAVID M. BELL**
Sinclair Country Club
Bridgeville, Pa.
- GEORGE BENVIE**
Makatewah Country Club
Cincinnati, Ohio
- F. G. BERGERON**
Beverly Country Club
Chicago, Ill.
- A. F. BERRY**
Mound Builders Country Club
Newark, Ohio
- E. L. BEZEK**
The Beverly Country Club
Chicago, Ill.
- ALEX BINNIE**
Shore Acres Club
Lake Bluff, Ill.
- P. J. BOLITHO**
Portage Country Club
Akron, Ohio
- JAMES W. BOLTON**
Berkshire Country Club
Reading, Pa.
- W. A. BOSTIC**
Biltmore Forest Country Club
Biltmore, N. C.
- E. M. BOUDE**
Miami Valley Golf Club
Dayton, Ohio
- DON BOYD**
Techny Fields Country Club
Northbrook, Ill.
- J. B. BOYD**
Sunset Ridge Country Club
Winnetka, Ill.
- MAVOR BOYD**
Maywood Golf Club
Hillside, Ill.
- A. L. BRANDON**
St. Charles Country Club
St. Charles, Ill.
- CARL BRETZLAFF**
Meridian Hills Country Club
Indianapolis, Ind.
- PAUL BROCKHAUSEN**
Blue Mount Country Club
Wauwatosa, Wis.
- ALFRED BULLER**
Chikaming Country Club
Lakeside, Mich.
- MACK BURKE**
Tam O'Shanter Country Club
Canton, Ohio
- F. BURKHARDT**
Westwood Country Club
Cleveland, Ohio
- HARRY BURKHARDT**
Manakiki Country Club
Cleveland, Ohio
- EARL CALDER**
The Masonic Course
Lansing, Mich.
- RUSSELL CALTRIDELL**
Suburban Country Club
Pikesville, Md.
- LEO J. CAVANAUGH**
Fox Hill Country Club
West Pittston, Pa.
- HENRY B. CHISHOLM**
Lansing Country Club
Lansing, Mich.
- CLEM COBLE**
Broadmore Country Club
Indianapolis, Ind.
- JAMES J. CONNAUGHTON**
Monroe Golf Club
Pittsford, N. Y.
- A. F. CONRAD**
Ellis Potter Park
Hamilton, Ohio
- GEO. A. CORBETT**
Plymouth Country Club
Plymouth, Ind.
- STEWART COWPER**
Bob-O-Link Country Club
Detroit, Mich.
- C. P. CROMBIE**
Nemacolin Country Club
Bellsville, Pa.

E. A. CROMBIE
Edgewood Country Club
Wilkinsburg, Pa.

CLIFFORD CROSS
Lake Golf and Country Club
Knightstown, Ind.

D. R. DAVIS
Day Forest Country Club
Glen Haven, Mich.

E. E. DAVIS
Meadville Country Club
Meadville, Pa.

ERNEST L. DAVIS
Warren Municipal Golf Club

GILBERT DAVIS
Knightstown Golf and Country Club
Knightstown, Ind.

HARVEY DAWSON
Valley Wood Golf Club
Swanton, Ohio

E. B. DEARIE, JR.
Ridgemoor Country Club
Chicago, Ill.

LEONARD DE BRUYN
Ridge Country Club
Chicago, Ill.

FLOYD DEL VECCHIO
East Liverpool Country Club
East Liverpool, Ohio

PERRY DEL VECCHIO
Greensburg Country Club
Greensburg, Pa.

JOHN DISHINGTON
Creek Club
Locust Valley, L. I.

LOUIS W. DOBSON
Squaw Creek Country Club
Tyrrell, Ohio

J. DOLSEN
Loch Haven Country Club
Pontiac, Mich.

THOS. E. DOUGHERTY
The Springhaven Club
Wallingford, Pa.

ROBERT DUGUID
Evanston Golf Club
Evanston, Ill.

ABE DUSTIN
Vicksrafft Country Club
Vicksburg, Mich.

JOHN DUSTIN
Kalamazoo Country Club
Kalamazoo, Mich.

LE ROY DUSTIN
Berrian Country Club
Benton Harbor, Mich.

S. DUSTIN
Cascade Hill
Grand Rapids, Mich.

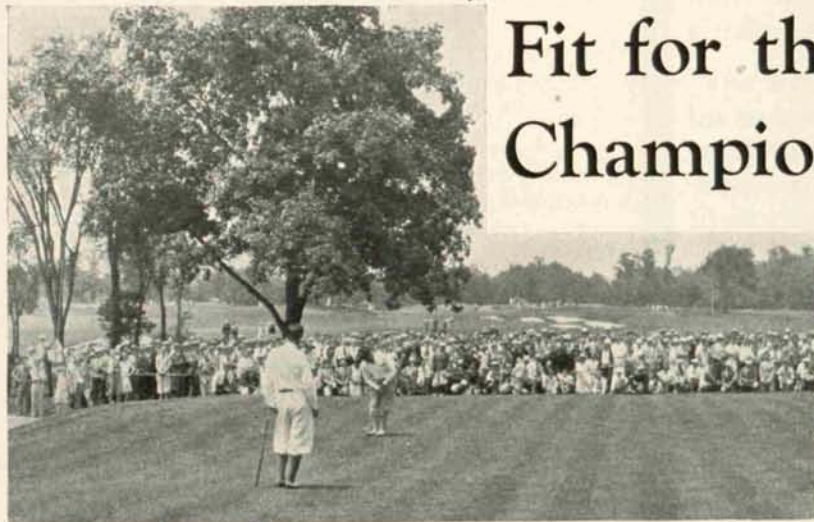
C. B. EASTON
Brier Gate Country Club
Deerfield, Ill.

W. ELPHICK
Western Golf Club
Detroit, Mich.

GEORGE EMORY
Owl Creek Country Club

CHAS. ERICKSON
Minikahda Club
Minneapolis, Minn.

H. E. ERICKSON
Galion Country Club
Galion, Ohio



Bobby Jones Putting at Winged Foot

—P. & A. Photo

Fit for the Champions



IF YOU WANT YOUR GREENS FIT FOR THE CHAMPIONS, TOP DRESS THEM THIS SPRING WITH

“WINDRIFT” HARDWOOD HUMUS

Inexpensive—Ready to use when you get it

Write for circular

THE OHIO HUMUS PRODUCTS COMPANY

JAMES A. SMITH, *President*

BOX 95

LONDON, OHIO

ROSEMAN

"more in a mower"

Brainy buying gets additional value!

If a new Lincoln, Packard or Cadillac would cost only \$100 more than a mediocre car, WHICH WOULD YOU BUY? All offer transportation, but the first three give you additional values.

That's how the mower situation simmers down to the matter of EXTRA VALUE AT A REAL BARGAIN when you choose Roseman mowers.

ROSEMAN MOWERS improve your turf—stand up when others are patched or crippled—eliminate scalping—and smoothly whirl along cutting the grass, and your operating costs.

Buying a ROSEMAN means you have bought something that shows as a bigger asset on your course than in the cash figure on your books; that's wise buying for any golf club.

In terms of the "knowing user of mowers" a ROSEMAN purchase means "value plus for years to come" instead of making a "down" payment on increased maintenance costs.

ROSEMAN Tractor Mower Co.

*Makers of Roseman Hollow Roller Type
Mowers for Fairway and Rough*

810 Church Street
EVANSTON, ILLINOIS

or

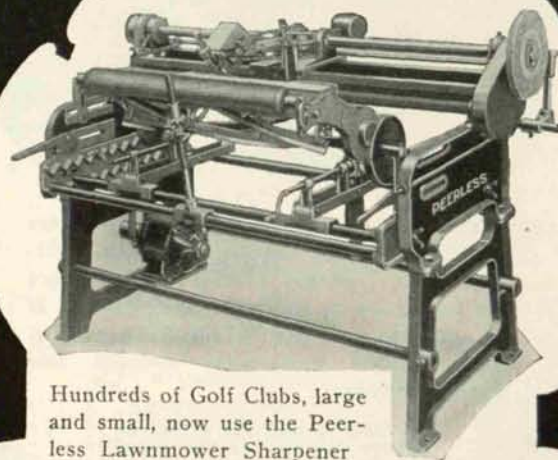
11 W. 42nd Street
NEW YORK, N. Y.

A deferred payment plan on ROSEMAN MOWERS and TRACTORS makes it possible for smaller clubs to share with ALL CHAMPIONSHIP courses, the advantages of ROSEMAN equipment.

- FRANK ERMER**
Ridgewood Country Club
Cleveland, Ohio
- A. M. ESTERLINE**
Delaware Country Club
Muncie, Ind.
- L. M. EVANS**
Cedarbrook Country Club
Philadelphia, Pa.
- O. E. EVANS**
Yorktown Country Club
Yorktown, Va.
- R. E. FARMER**
Brynwood Country Club
Milwaukee, Wis.
- M. E. FARNHAM**
Philadelphia Country Club
Bala, Pa.
- ELIDAMO FAZZI**
Teugega Country Club
Rome, N. Y.
- L. J. FESER**
Wood Hill Country Club
Waysata, Minn.
- RUDY FIELITZ**
Lakewood Country Club
Cleveland, Ohio
- MARTIN FINKEN**
Catawba Cliffs Country Club
Port Clinton, Ohio
- EEVALD A. FISCHER**
Grant Park Golf Course
Milwaukee, Wis.
- C. F. FORSTE**
Hillcrest Country Club
Cincinnati, Ohio
- A. G. FOVARGUE**
Westbrook Country Club
Mansfield, Ohio
- W. P. FRAZIER**
Lost Creek Country Club
Lima, Ohio
- VICTOR GEORGE**
Country Club of Lafayette
Lafayette, Ind.
- REGINALD GIDDINGS**
Gibson Island Club
Gibson Island, Md.
- CHRIST GILBERTSON**
Lakeside Country Club
Manitowoc, Wis.
- A. J. GILLETT**
Harlem Hills Country Club
Rockford, Ill.
- H. F. GODWIN**
Franklin Hills Country Club
Detroit, Mich.
- FORD GOODRICH**
Flint Golf Club
Flint, Mich.
- GUS GRAHAM**
Glenwoodie Country Club
Klenwood, Ill.
- T. J. GRANT**
Standard Country Club
Louisville, Ky.
- JOHN GRAY**
Essex Golf and Country Club
Sandwich, Ontario
- R. T. GRAY**
Leamington Country Club
Leamington, Ontario
- T. L. GUSTIN**
Melrose Country Club
Philadelphia, Pa.

- LYLE HADFIELD**
Urbana Country Club
Urbana, Ill.
- BEN F. HAGGE**
Club Casa Delmar
Dyer, Ind.
- R. H. HALL**
Municipal Golf Club
Charlotte, N. C.
- F. H. HAMMOND**
Ella W. Sharp Park
Jackson, Mich.
- GEORGE HANSEN**
Milwaukee Club
Milwaukee, Wis.
- GUSTAVE HANSEN**
Greenville Country Club
Greenville, Mich.
- HARRY HANSON**
Maple Bluff Country Club
Madison, Wis.
- T. S. HARVEY**
Wee Burn Country Club
Noroton, Conn.
- GEO. W. HAWKINS**
Speedway Country Club
Indianapolis, Ind.
- ROBT. J. HAYES**
Pelham Country Club
Pelham Manor, N. Y.
- C. HAYMAN**
Country Club
Detroit, Mich.
- OTTO HERTENSTEIN**
Mount Vernon Country Club
Mount Vernon, Ill.
- A. HOLLANDER**
Mill Creek Country Club
Youngstown, Ohio
- LAWRENCE HUBER**
Elks Country Club
Columbus, Ohio
- FRED INGWERSON**
Bunker Hill Country Club
Niles, Ill.
- CHARLES JARMAN**
Brookside Country Club
Canton, Ohio
- E. G. JACOB**
Castle Shannon Golf Club
Castle Shannon, Pa.
- G. F. JACOB**
Stanton Heights Golf Club
Pittsburgh, Pa.
- LEROY JONES**
Marshall Country Club
Marshall, Mich.
- W. JOY**
Ponomo Country Club
Flushing, N. Y.
- CHARLES G. KASSGREEN**
Skokie Country Club
Glencoe, Ill.
- JAMES KAYE**
Muskeogan Country Club
Muskeogan, Mich.
- C. W. KILIAN**
Stafford Country Club
Stafford, N. Y.
- WM. KIRBY**
Lambton Country Club
Toronto, Canada
- W. P. KISTLER**
Charlotte Country Club
Charlotte, N. C.

The Peerless Mower Sharpener



Hundreds of Golf Clubs, large and small, now use the Peerless Lawnmower Sharpener

It Perfects The Cutting Edges of any make of Mower

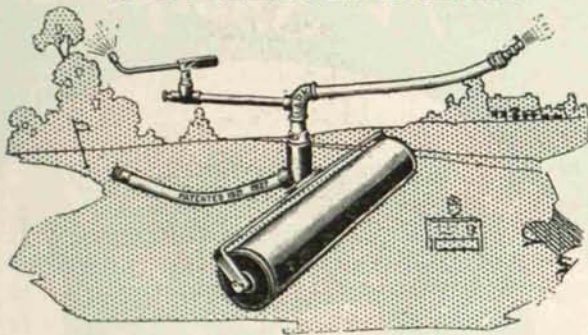
And That Means Perfect Turf

The Peerless Mower Sharpener is the only machine that sharpens all makes of Power, Horse and Hand Mowers *scientifically — quickly — perfectly* — does the work as nothing else can. Operated by 1/3 H. P. Motor—attach it to your lamp socket. Special Grinding Wheel for sickles, scythes, etc. Skate sharpening attachment included. Will save its cost the first season. Write for catalog and list of users.

THE FATE-ROOT-HEATH CO.
925 Bell St., Plymouth, Ohio

The Peerless Mower Sharpener

THE LARK SPRINKLER



The Lark is decidedly different. It covers **EVENLY** from center to outside circumference on any pressure. There are no big drops to dig out top-dressing. It is safe to set for all-night sprinkling. Greenkeepers universally endorse this better sprinkler.

Our offer to send you a Lark for 15 days' free trial enables you to see and test it before you buy. Write for details.



L.R. NELSON MFG. CO.
PEORIA, ILLINOIS

A Complete Line of Golf Maintenance Machinery, Equipment and Supplies

DISTRIBUTORS FOR

Toro Equipment

Friend Sprayers

Economy Sprinklers

Standard Products

Kopper's Sulphate

Milorganite

Dealers in Grass Seeds and Fertilizers
Growers of Bent Stolons and Sod

WRITE FOR ILLUSTRATED CATALOGUE

Golf Course Supply Co., Inc.

Carnegie Ave.

Cleveland, Ohio

A. E. FLACK, Pres.

H. J. STREICH, Sec'y-Treas.

W. E. KNOWLES
Highland Park Country Club
Cleveland, Ohio

ALBERT W. KROLL
East Aurora Country Club
East Aurora, N. Y.

FRED KRUGER
Olympia Fields
Olympia Fields, Ill.

EDWARD M. LAING
Sunset Valley Country Club
Highland Park, Ill.

M. D. LA MOREAUX
Kirtland Country Club
Cleveland, Ohio

RAYMOND F. LAMPKY
Jackson Country Club
Jackson, Mich.

CARL LANGEFELD
Cincinnati, Ohio

J. T. LANGELL
L. J. Norris Private Estate
St. Charles, Ill.

ROBT. LASHBROOK
French Lick Springs Co.
French Lick, Ind.

LOUIS C. LENTZ
Henning Chambers & Co.
Upper River Rd.
Louisville, Ky.

H. LLOYD
Rosedale Country Club
Toronto, Canada

JOHN H. LOWRY
Hillcrest Country Club
Jefferson Barracks, Mo.

HARRY LUDWIG
Shelby Country Club
Shelby, Ohio

H. LUKE
Garden City Golf Club
Garden City, L. I.

A. E. LUNDSTROM
Crescent Athletic Club
Brooklyn, N. Y.

JAMES McCORMACK
Unicorn Country Club
Stoneham, Mass.

JAMES McELROY
Pittsburgh Country Club
Pittsburgh, Pa.

A. G. McKAY
City Golf Courses
Louisville, Ky.

MALCOLM McLAREN
Canterbury Golf Club
Warrensville, Ohio

JOHN MacGREGOR
Chicago Golf Club
Chicago, Ill.

FRANK MAPLES
Pinehurst Country Club
Pinehurst, N. C.

E. F. MARINE
Wildwood Golf Club
Middletown, Ohio

R. C. MARTIN
Shannopin Country Club
Pittsburgh, Pa.

FRANK MASTROLEO
Geneva Country Club
Geneva, Ill.

W. MATHIES
Itasca Country Club
Itasca, Ill.

J. A. MEANS
Audobon Country Club
Louisville, Ky.

CHESTER A. MENDENHALL
Wichita Country Club
Wichita, Kansas

L. J. MERRITT
Highlands Meadow Golf Club
Sylvania, Ohio

HARRY MESLOH
Clovernook Country Club
Cincinnati, Ohio

CHARLES MEYERS
Heather Downs Country Club
Toledo, Ohio

T. H. RIGGS MILLER
Richmond County Country Club
Staten Island, N. Y.

K. MILLRENEE
Columbus Country Club
Columbus, Ohio

L. R. MOFFETT
Asbury Park Jumping Brook Country Club
Asbury Park, N. J.

J. N. MONICAL
Maywood Golf Club
Hillside, Ill.

E. M. MONROE
Lakewood Country Club
Edgewater, Colo.

HUGH C. MOORE
Sea Island Beach Club
Saint Simons Island, Ga.

JOHN MORLEY
Youngstown Country Club
Youngstown, Ohio

MIKE MUCCINI
Kirtland Country Club
Willoughby, Ohio

JAMES MURDEN
Ridgewood Golf Club
Cincinnati, Ohio

WM. A. MUMFORD
Orchard Ridge Country Club
Ft. Wayne, Ind.

WM. C. NEILSON
Tripoli Country Club
Milwaukee, Wis.

H. F. NICHOLS
Meadow Brook and Country Club
Clarence, N. Y.

JAKE NICKOLOFF
Oberlin Country Club
Oberlin, Ohio

M. F. NOONE
Bloomfield Hills Country Club
Birmingham, Mich.

E. O'BRIEN
Fresh Meadow Country Club
Flushing, N. Y.

J. S. O'TOOLE
Woman's National Golf and Tennis Club
Glenhead, N. Y.

GUSTAF OLSON
Minikahda Country Club
Minneapolis, Minn.

REMELIN OWEN
Louisville Country Club
River Rd.
Louisville, Ky.

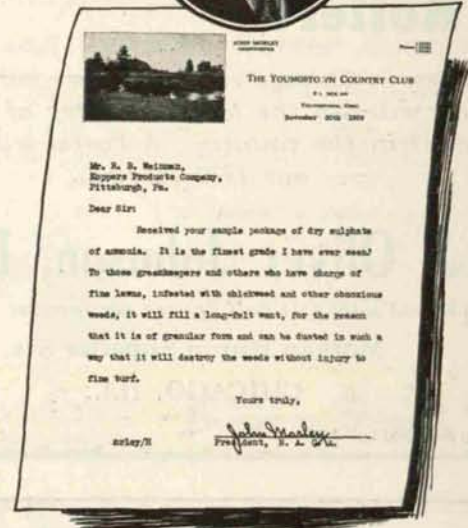
E. W. PAHL
Interlocken Country Club
Hopkins, Minn.

M. M. PARSONS
Wooster Country Club
Wooster, Ohio

KOPPERS sulphate of ammonia
is the finest-driest sulphate you've ever seen



JOHN MORLEY,
President of the
National Association
of Greenkeepers
of America,
enthusiastically en-
dorses Koppers
Sulphate



**Just Like Sea-sand . . .
and STAYS that way!**

KOPPERS SULPHATE makes a hit with greenkeepers everywhere on sight because of its superfine mechanical condition. It's just like sea-sand . . . and STAYS that way, no matter how long you store it!

Saves Time and Money

KOPPERS SULPHATE can be broadcast at the rate of one pound to 1,000 square feet . . . by hand . . . evenly! So easy to apply by hand or machine, it saves lots of time, labor and money. It's extra-processed . . . and simply CAN'T lump or cake!

FREE 2-pound package

KOPPERS SULPHATE comes packed in 100-Lb. Moisture-proof Bags, ideal for handling and storing. Contains full 20.75% pure nitrogen. Light, frequent applications insure fine, thrifty, weedless greens and fairways. Write for FREE 2-lb. Package.

KOPPERS PRODUCTS COMPANY
Koppers Building, Pittsburgh, Pa.

When you Order Sulphate of Ammonia get

KOPPERS

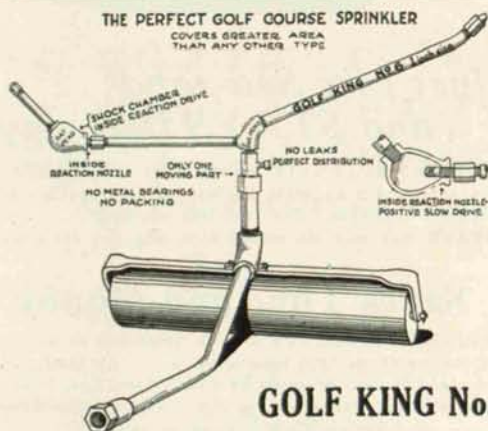
**Grass Seed
Fertilizers
Seeders
Discers
Greens Equipment
Toro Equipment
Grounds Equipment
Rollers**

When in Chicago visit our show room where you will see the largest display of equipment in the country. A Postal will bring our 1930 catalog.

J. Oliver Johnson, Inc.

World's largest golf course equipment house
Morgan Huron Superior Sts.
CHICAGO, ILL.

© Reg. JOJ Inc. 1928



SPRINKLERS SNAP VALVES
The Preference for
BUCKNER SPRINKLERS
AND SELF CLOSING VALVES

wherever golf is played is born out of recognition by leading greens men of their definitely superior performance over a period of many years.

BUCKNER MANUFACTURING CO.
FRESNO, CALIFORNIA

(Pioneers in Golf Course Irrigation. Originators of Hoseless System)

- JOHN PEARSON**
Armour
Minneapolis, Minn.
- WM. E. PERKINS**
Yale University Athletic Association
New Haven, Conn.
- E. H. PICHA**
Midland Hills Country Club
St. Paul, Minn.
- J. H. PIERS**
New Albany Country Club
New Albany, Ind.
- JOHN PIRIE**
Fairfield Country Club
Fairfield, Conn.
- JOHN PRESSLER**
Allegheny Country Club
Sewickley, Pa.
- ROBERT D. PRYDE**
Racebrook Country Club
Orange, Conn.
- JOHN QUAILL**
Highland Country Club
Pittsburgh, Pa.
- CLARENCE RADKE**
St. Joseph Country Club
St. Joseph, Mo.
- JOHN J. REDDINGTON**
Anderson Country Club
Anderson, Ind.
- JOHN C. REED**
Municipal Course
New Castle, Pa.
- WALTER P. REED**
Westwood Country Club
St. Louis, Mo.
- CLOYD REICHERLDERFER**
Shawnee Country Club
Lima, Ohio
- B. M. RICE**
Riceland Country Club
Orrville, Ohio
- OTIS L. ROBERTS**
Noblesville Country Club
Noblesville, Ind.
- W. J. ROCKEFELLER**
Inverness
Toledo, Ohio
- RALPH ROGERS**
Elyria Country Club
Elyria, Ohio
- JAMES ROAD**
Owosso Country Club
Owosso, Mich.
- HUGH ROSS**
Grosse Isle
Detroit, Mich.
- W. J. ROURKE**
Shiniasse Community Golf Course
Onossa, Mich.
- WILLIAM SAEMAN**
Grosse Point Club
Grosse Point Farms, Mich.
- ELMER SANDBERG**
Maple Hills Cemetery
Cadillac, Mich.
- J. H. SANDS**
Pine Ridge Country Club
Wickliffe, Ohio
- MIKE SANKO**
Golden Valley Country Club
Robinsdale, Route No 2, Minn.
- WM. J. SANSOM**
Toronto Golf Club
Long Branch, Ont.

A. C. SCHENDEL
Westmore Country Club
Milwaukee, Wis.

HARRY SCHILLER
Westwood Country Club
St. Louis, Mo.

JAKE SCHNAPP
Toledo Country Club
Toledo, Ohio

HARRY SCOTT
Reading Country Club
Reading, Pa.

ROBERT SCOTT
Baltimore Country Club
Baltimore, Md.

A. B. SCHOENBACK
Town and Country Club
St. Paul, Minn.

WALTER SCHULTZ
New Albany Country Club
New Albany, Ind.

RAY SCHURTZ
York Temple Country Club
127 North High St., Columbus, Ohio

R. O. SCHUTTE
Lincoln Fields Golf Club
Manitowoc, Wis.

O. F. SEHERZER
Lennox Hills Golf Club
Address: Farmingdale, Ohio

H. E. SHAVE
Oakland Hills Country Club
Birmingham, Mich.

W. M. SHEETS
Wildwood Country Club
Middletown, Ohio

JOHN SHERIDAN
Chagrin Valley Country Club
Cleveland, Ohio

W. B. SIME
MacGregor Golf Club
Dayton, Ohio

H. E. SIMMONS
Highland Park Country Club
Cleveland, Ohio

WM. SLACK
Blythe Field Country Club
Grand Rapids, Mich.

L. E. SMITH
Stafford Country Club
Stafford, N. Y.

ROBT. SMITH
Westmorland Country Club
Verona, Pa.

ROY C. SMITH
Avolon Country Club
Indianapolis, Ind.

W. ROY SMITH
Stanford Country Club
Stanford, N. Y.

ARTHUR SNYDER
Alcoma Country Club
Wilksburg, Pa.

E. E. SNYDER
Congress Lake Country Club
Hartville, Ohio

JACK SONGER
Decatur Country Club
Decatur, Ill.

BEN SPOONMORE
French Lick Springs
French Lick, Ind.

Cut Down Your Labor Costs



Shredding and screening soil in one operation on a well-known golf course

... and Produce Better Greens

The KEMP Soil Shredder pays for itself in one season by saving from one-third to one-half the cost of labor expended in the upkeep of greens.

A KEMP cleans the soil of stones and lumps, while retaining the plant fibers that insure quick, healthy growth. With sieve attachment, the KEMP Shredder performs this task in one operation—much faster and more thoroughly than is possible by hand.

Send for New Catalog

Acquaint yourself with the KEMP line and its many advantages. Catalog and price list sent upon request. KEMP MANUFACTURING COMPANY, Dept G, 2001 Peach St., Erie, Pa.



Kemp No. 2 with Sifter Attachment. Prepares soil quickly and economically.

KEMP POWER SOIL SHREDDERS

Hyper-Humus

**A Super Quality of Natural Humus
A Cultivated, Prepared Soil Organic**

Use it as a compost for top dressing established greens.

Mix it with top soil and sand for foundation of new greens.

Hyper-Humus is not dug raw from our deposit at Newton but is scientifically produced by cover cropping and cultivating of the upper six inches only to produce a top notch humus true to name—a pure soil organic. Disease free—clean, odorless, pleasant to use.

100 pounds will retain 190 pounds of water. So insure your greens and fairways this Spring against a repetition of the famous 1929 drought.

Write for literature and our special suggestions to greenkeepers gained by actual operating experience.



from **HYPER-HUMUS COMPANY**
48 Park Place - Newton, N. J.

Newton-New Jersey

Patriot Brand SEEDS

Golf Course Athletic Field
Airport Park Lawn

All seeds carefully selected from the most desirable producing sections, refined over machinery and special processes, accurately analyzed for Purity and Germination.

We are pleased to have our seeds retested by you after delivery and before payment.

Wire or write today for samples, tests and prices.

SEABOARD SEED COMPANY

MAIN OFFICES -- WAREHOUSES

701 South Front Street Philadelphia, Pa.

BRANCHES: Lancaster, Penna., and Elmira, N. Y.

J. R. STRAIN

Butler Country Club
Butler, Pa.

C. W. STROUSE

Highland Country Club
Grand Rapids, Mich.

ARTHUR STEPHAN

Erie Downs
Ontario, Canada

R. D. STEVENS

Wildwood Golf Club
Middletown, Ohio

PETER STEWART

Lake Shore Country Club
Glencoe, Ill.

W. STIRLING

Findlay Country Club
Findlay, Ohio

THOS. STYLES

St. Catharine's Golf Club
St. Catharines, Ont., Canada

E. A. SWANLUND

Rochester Country Club
Rochester, Minn.

GROVER SWISHER

Findlay Country Club
Findlay, Ohio

FRANK SYRON

Orchard Lake Country Club
Orchard Lake, Mich.

JIM THOMPSON

Cincinnati Country Club
Cincinnati, Ohio

W. O. TIDER

Grandview Park Golf Course
Anderson, Ind.

WALTER TOTTY

Echo Lake Country Club
Westfield, N. J.

CARLTON E. TREAT

Woodland Golf Club
Auburndale, Mass.

C. A. TREGILLUS

Mill Road Farm
Chicago, Ill.

PAUL TRUCKENBROD

Sunny Brook Country Club
Kent, Ohio

C. L. ULRICH

Marion Golf Club
Marion, Ohio

DALE C. ULRICH

Evergreen Golf Club
Upper Sandusky, Ohio

PAUL ULRICH

Evergreen Country Club
Sycamore, Ohio

R. O. ULRICH

Shelby Country Club
Shelby, Ohio

JOSEPH VALENTINE

Merion Cricket Club
Haverford, Pa.

D. R. VALENTINE

Beaumont Country Club
Beaumont, Texas

JAMES F. VARN HAGEN

Plum Hollow Country Club
Redford, Detroit, Mich.

J. T. VARN HAGEN

Plum Hollow Country Club
Redford, Detroit, Mich.

W. A. VOSTIC, JR.

Biltmore Forest Country Club
Biltmore, N. C.

W. J. WALTON

Brookside Country Club
Columbus, Ohio

J. H. WAY

Canterbury Golf Club
Warrensville, Ohio

M. F. WEBER

Groesbeck and Red Cedar Country Club
Lansing, Mich.

PAUL E. WEISS

Lehigh Country Club
Allentown, Pa.

JACK WELSH

Wakonda Country Club
Des Moines, Iowa

ROBT. WHITMIER

Kalamazoo Country Club
Kalamazoo, Mich.

ALFRED WHITNEY

Druid Hills Country Club
Atlanta, Ga.

RUECK WILLIAMS

Edgebrook Country Club
Chicago, Ill.

J. WILLIAMSON

Scioto Country Club
Columbus, Ohio

FRANK H. WILSON, JR.

Charles River Country Club
Newton, Mass.

ALLAN WYMAN

Danville Country Club
Danville, Ill.

C. J. ZINK

Highland Park Country Club
Cleveland, Ohio

R. T. ZINK

Shaker Heights Country Club
Cleveland, Ohio

Used by Leading Golf Clubs

"Friend" Sprayers

for all Golf Course Spraying



Showing small "Friend" sprayer at work with "Friend" Golf Spray Gun. A fine, penetrating spray is forced downward into the sod, which permits the delicate grass roots to consume the nutrition without being overtaxed—thus promoting natural, vigorous growth. Equally effective for destroying dandelions.

Write for illustrated folder.

"FRIEND"
MFG. CO.
Gasport, N. Y.