

# . but a rolling ball gathers plenty of "moss"

A BALL that rolls out of the Pro Shop as fast as it rolls down the fairway gathers the kind of "moss" that jingles in your pockets! And Acushnets made your pockets jingle louder than ever last year. Sales high-jumped close to 50% and *every sale* made a Pro Shop profit.

Our famous quartet — Titleist, Bedford, Green Ray and Pinnacle—are headed for new records in 1940. Acushnets are sold only through Pro Shops. A dub may slice the balls, but no one can slice the prices—they can't be cut! There's no outside competition.

We don't want to rush you *but* — judging by the Southern winter season there's not going to be any let-up in the widening demand for Acushnet Golf Balls. Be sure — be *very* sure — you have sufficient stock on hand for the opening of the season.

## ACUSHNET *GOLF BALLS*

Sold only through Pro Shops

TITLEIST 75c

BEDFORD 75c

GREEN RAY 50c

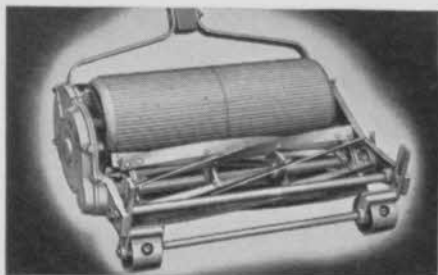
PINNACLE 35c



# Planned Economy

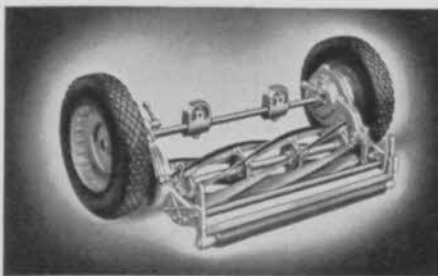


**T**HE economy of operation and maintenance of Pennsylvania Mowers is no accident! It is a "planned economy," worked out by Pennsylvania engineers just as carefully as the ease and accuracy of cutting for which Pennsylvanias are so famous. Pennsylvania designers are constantly at work to build still more perfect, more economical mowers. *Plan your own economy in mowing costs* by giving the two Pennsylvanias described below a thorough test in competition with other mowers. Such a comparison will prove to you their greater efficiency and economy.



## Pennsylvania Super-Roller Greensmower

Ball bearing, high speed 8-blade cylinder provides a smooth, ribless cut that insures a perfect putting surface. Blades are of the finest crucible analysis steel—oil hardened and tempered. Train of 3 cut gears, running in grease in dust-tight case, assures an easy-pushing, fast-cutting mower. Castor wheels are mounted in hardened steel bushing with alemite lubrication. Extra castor wheel for cutting sharply undulating greens. The light weight aluminum rollers, 7 inches in diameter, are interchangeable right or left.



## Pennsylvania DeLuxe Fairway

Available in both 30 inch and 36 inch sizes. Unbreakable malleable iron construction. 6 heavy crucible analysis steel blades provide a smooth cut. Timken roller bearings on cylinder are adjustable, to take up wear. The raised edge lower blade is reversible. Train of machine-cut hardened gears on both sides, protected by dust-proof, grease-retaining cases. Steel roller with hardened steel bearings. Pneumatic tires optional.

30-Inch Model K Fairway is made of cast iron and offered at a lower price.

**PENNSYLVANIA  
LAWN MOWER WORKS**  
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Send for Our  
Latest Catalog!

**PENNSYLVANIA  
QUALITY  
LAWN MOWERS**

# SPECIAL SEMESAN



**THE REAL  
"BARGAIN BUY"  
IN BROWN PATCH  
CONTROL**

Contains *two* organic mercuries for quick, longer-lasting protection—yet costs fully *one-half* to *two-thirds* less than most turf fungicides. One pound covers average green for as little as 21¢ per 1,000 square feet! Five lbs., \$7.00; 25 lbs., \$32.50; 100 lbs., \$125.00. Applied in water solution or dry with compost. Send your order now.



Your supply house also stocks *Regular* SEMESAN and NU-GREEN, still used on many courses. Ask for prices.

**BAYER-SEMESAN COMPANY (Inc.)**  
Du Pont Building, Wilmington, Del.

## WAKE UP *your course*

### A BIG SEASON'S AHEAD

1940 will be a whale of a year for golf play. Get your course in tip-top shape and you'll have a go-getter that will build business for every department of your club.

Our business is to help clubs get, and keep, their courses in prime condition—at the lowest possible maintenance cost. We're doing it for hundreds of clubs in the middle west.

### HOW ABOUT SEED?

Highest quality golf seeds—at prices that save. Let us quote you.

Write today for the George A. Davis catalog. It'll show you the way to thrift in course maintenance.

**GEORGE A. DAVIS, Inc.**  
5440 Northwest Highway  
**CHICAGO**

## All Over the MAP with the Greenkeepers

IOWA...

**A**N experimental turf garden at Iowa State College of Agriculture, Ames, is being sponsored by the Iowa Greenkeepers' Assn. and the State College. Work was started last fall with 27 varieties of grass, including 6 of the more popular bents used in Iowa.

Iowa Greenkeepers' Assn. started the garden's financing with \$100. About 150 Iowa clubs have been asked to cooperate. Annual subscription of \$25 from 18-hole clubs, and \$10 from 9-hole clubs has been requested. Parks Dept. of Des Moines has contributed \$50. Iowa Golf Assn. has voted to share in the work with a \$100 subscription. The work is planned on a 5-year basis. Interest in the project is spreading. Kansas City greenkeepers subscribed \$25. Approximate budget for the garden's operation is \$500 per year.

G. A. Fletcher,

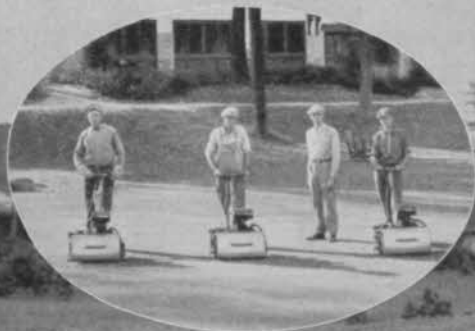
Sec., Iowa Greenkeepers' Assn.

TRI-STATE...

**G**REENKEEPERS in the Pittsburgh district use no spring maintenance short cuts. We just adopt the ideas and methods of the other fellow when they are better than our own. Neither are we using any new methods of turf culture which have not previously been tried out and reported by the research men. Although we leave the experimenting to the specialists, we do cooperate with them in every way possible and when one of us thinks he has some worthwhile idea, he turns it over to them to prove or disprove.

At present we are most interested in finding a way to improve fairway turf. This improvement may come by the discovery of new cultural methods or, more likely, by the development of new varieties of grass. We now have only Kentucky blue, fescue, and some of the

Miami Valley Golf Course  
Dayton, Ohio



Meadowbrook Country Club  
Detroit, Michigan



## Interested in REAL mowing ECONOMY? — Use the IDEAL "BULLDOG" method

The sturdy, simple construction of Ideal Bulldog Gang Mowers provides economies second to none in the fairway mower field. Simplified design, high quality materials and experienced workmanship have produced equipment on which up-keep costs have been reduced to a minimum.

Compare the records of the hundreds of users. Cleaner, faster cutting is secured with lower operating cost. The close-coupled units mow evenly over the tops of ridges without scalping and do a perfect job right down to the bottom of the hollows.

Write for complete information about Ideal Gang Mowers and the Ideal Power Greensmower (in circle above). This lightweight putting greensmower duplicates skillful handwork, reduces cost and produces finer greens.



## NEW AND IMPROVED IDEAL GREENSMOWER

- Lighter in weight*
- Higher speed engine*
- Cleaner, better cutting*
- Greater strength*
- Longer lived*

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# LEWIS WASHERS

## MULTI-BALL ROTO

Wash golf balls as fast as you can feed them into this new washer! No gears — simplified splash-proof construction. Just turn the crank and out they pop — sparkling white.

Multi-Ball Roto each.....\$15.00



*at every tee!*

## PADDLE-TYPE

The well-known inexpensive single ball washer that is seen throughout the world. The patented slot does the trick, insuring a clean ball.

Paddle-Type  
1 to 10, ea.....\$6.00  
11 to 20, ea.....\$5.50



**G. B. LEWIS CO.**

Dept. G4 • Watertown, Wis.

*Yes* ONLY AN OUNCE

of CALO-CLOR\* to each 1000 sq. ft. of turf prevents both types of brownpatch

—2 or 3 ounces an efficient remedy.

At highest market price, CALO-CLOR is very economical.

Also ask about CALOGREEN\* for small brownpatch. AURAGREEN\* — green color preventive for mild cases. Also regular U. S. P. Corrosive Sublimate. See your dealer, or write.

\*Trade Mark Reg. U. S. Pat. Off.

*Mallinckrodt*

**CALO-CLOR\***

SAINT LOUIS • NEW YORK • CHICAGO  
PHILADELPHIA • TORONTO • MONTREAL

bents from which to choose. Kentucky blue and fescue can't stand the close cutting which is necessary and they are all too susceptible to disease.

When fairway irrigation is employed fairways seeded to these grasses soon become a mixture of *Poa annua*, *Poa trivialis*, bent and clover. They may at times, be well-nigh perfect when, suddenly, they are attacked by leaf spot, scald, or dollar-spot with results that are only too familiar to all of us.

The ideal grass, or combination of grasses, must thrive under close cutting. It should be immune from all serious diseases, able to keep out all other grasses and weeds, and should have a fine texture and good color.

We do not expect, or even hope, that anything will ever be found which will meet all these requirements. But we do look forward to the day when some more suitable varieties are available so that we can, with good care and at a reasonable cost, maintain our fairway turf in a more uniformly good condition.

Tri-State Golf Course Supts. Assn. of officers for 1940 are:

Pres. (7th term)—David M. Bell, St. Clair CC.

1st V.-P.—Ralph Martin, Shannopin CC.

2nd V.-P.—Robt. M. Smith, Westmoreland CC.

Sec.-Treas.—Arthur Snyder, Alcoma GC.

Arthur Snyder, Sec.-Treas.,  
Tri-State GC Supts. Assn.

## CLEVELAND . . .

THE 20th anniversary of the Cleveland District Greenkeepers Assn. was celebrated at a "Love-Feast" in the Hollenden Hotel March 26th, where club officials were guests of their superintendents.

That Marco Polo of Golf, Dr. O. J. Noer, was the chief speaker of the evening, holding his audience with a mixture of metaphors and movies which were very educational. He also acted as interlocutor for an "Information Please" program with Mal McLaren, Canterbury CC, Bert Sheldin, The CC, Cleveland, and Don Boyd, Portage CC, playing the role of trained seals and barking at the right time.

Brief remarks were made by B. Russell, Cleveland CC, President of the CDGA; Geo. Rothen, Green-chairman of the CDGA and Colonel John Morley, Youngstown CC. 75 guests were present.

With unbalanced fertilizers being acknowledged as a poor germination

# North or South, East or West, Worthington Mowing and Maintenance Equipment gives you a better golf course at less cost



Worthington Golf Chief, with Gang Mowers detached, in action at the new golf course, Capilano Estates, West Vancouver, B. C.

A Worthington Golf Chief with Worthington Gang Mowers solves all your problems of mowing fairways, rough and faces of bunkers and traps. Worthington Cutting Units give you smoother operation, longer life and greater economy.

From the greenkeepers' and operators' viewpoints, there is less fussing and trouble with Worthington Cutting Units and Gang Mowers. The general design is simplicity itself, its construction strong and sturdy to give years of service, and a beautiful cut under all conditions with a cutting range up to 4 inches. The ground weight of each unit is 223 pounds.

The new Worthington Sickle Bar has a range of cut  $90^\circ$  above to  $50^\circ$  below horizontal (it can be altered at the factory to cut  $90^\circ$  below horizontal for un-

usual service). This flexibility saves you hours of hand scythe work. The automatic safety slip clutch prevents breakage of knives or guards or driving mechanism, should the knife become clogged by any obstacle. The safety swing-back feature is entirely automatic. The cutting bar swings back freely on encountering an obstruction and returns to normal position when the tractor is backed away. Thousands of golf course superintendents here and abroad rely on Worthington equipment to give their members better playing conditions. Send for the new and fully illustrated Worthington Golf Course Catalogue showing how you, too, can do a better mowing and maintenance job at tremendous savings in time, money and man-power.

**Worthington**  
**Mower Company**

STROUDSBURG • PENNSYLVANIA  
Sales Agencies: All Principal Cities

Special notice to southern golf course superintendents, chairmen of greens committees and park superintendents:

There will be a complete demonstration of Worthington equipment at the Druid Hills Country Club, Atlanta, Georgia—on April 15—Rain or Shine—come and learn for yourself how Worthington can help you and save money at the same time.

## TIMELY TURF TIPS

### BERMUDA GREENS—SPRING AND SUMMER TREATMENT

In the South, Bermuda is the grass most widely used for summer play on greens. The tendency of Bermuda to become coarse and stubby during summer is its principal objection. When temporary grass is used for winter play, many complain because it dies in patches first. It may be July before all is gone, so putting is bad all spring. By following proper methods greens can be rid of winter grass quickly and Bermuda can be improved.

Manipulation of water and nitrogen underlies quick eradication of winter grass in spring. The secret is to use plenty of nitrogen. . . . 50 pounds Milorganite and 5 pounds ammonium sulphate per 1000 square feet—just before Bermuda normally starts growth. Water generously to speed growth of winter grass. With ample water and nitrogen, tissue becomes super-succulent. Then stop watering during the first hot spell and winter grass will disappear quickly. Afterwards, resume usual watering to promote growth of Bermuda.

Since winter grass may thin Bermuda, some re-seeding is advisable. Scarified seed of Arizona grown Atlanta strain should be used. For a year or two the new grass is fine textured, so re-seeding also improves putting quality in summer.

Greens are bad for putting during summer when Bermuda normally matures. Stems become hard and stubby and leaves too sparse. This can be corrected by avoiding use of phosphate and potash beyond bare needs of Bermuda. The best scheme is to apply these in fall before seeding with winter grass, and desist thereafter until the next fall.

Enough nitrogen must be used throughout the summer to keep Bermuda vegetative. The organic nitrogen of Milorganite is superior to water soluble fertilizer, because it is longer lasting and produces a higher proportion of leaf shoots. After the first heavy spring rate, from 20 to 30 pounds per 1000 square feet should be used each time.

Besides liberal nitrogen feeding, enough top-dressing should be applied whenever needed to keep surface stems buried.

*For further information, including definite program, write for special bulletin No. 2: FUNDAMENTAL PRINCIPLES UNDERLYING GREENS MAINTENANCE IN THE SOUTH.*

Turf Service Bureau

THE SEWERAGE COMMISSION  
Milwaukee                      Wisconsin

# MILORGANITE for BETTER TURF

policy, the meeting was concluded with a movie film depicting African Wild Game, Deep Sea Fishing and other kindred sports—all of which appear very tame in comparison with an incurable slice.

Charley Burns  
Secy. Cleveland District GA.

### PHILADELPHIA . . .

THE weather here is so cold for this time of year that there is little to report insofar as golf is concerned. However, we do have our golfing spells even now, and whenever the sun peeps through the golfers are out there swinging.

The recent turf conference held at Penn State proved one of the finest we have had up there, judging from the number present. We also had a one-day session at Haverford College on Turf, Grasses, and Fertilizers, the last item bringing out plenty of discussion. The present greenkeeper, when he purchases fertilizer, wants to know just how and when he is going to get results; in other words, when and how is the nitrogen in the fertilizer available. We also had around 'Philly', night classes in the high schools that are proving very educational, and the attendance this year has been very gratifying.

Plans are now under way for our next Green-chairman-Greenkeeper meeting, which we intend to hold some time in May. We held the first of these meetings last year, meeting at the Lanerch CC. This was such a success that the chairmen turned around and gave a return meeting on them, at the Huntingdon Valley CC in the fall. These meetings usually consist of a golf match in the afternoon, with a few prizes, followed by a dinner and a few speakers in the evening. We are hoping the coming meeting will be as successful as those held previously.

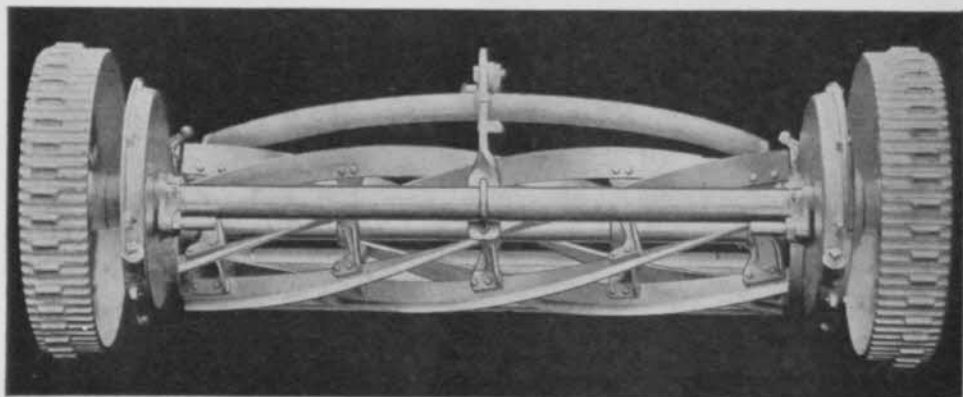
Robert Pollock, Secy.,  
Philadelphia Assn. of Golf Cse. Supts.

### MIDWEST . . .

MIDWEST Greenkeepers' Assn. members in considerable numbers attended the recent short courses at Purdue and University of Wisconsin. Especially interesting to many of them was the testing of plants instead of soils to determine soil deficiencies.

In the Chicago District interest is

**Sets a New Standard of Construction**



## You Can Get Away from a Lot of Monkey Business with the **NEW SUPER FAIRWAY MOWER**

We spent three years designing, building and testing the New Super Mower. It is entirely different from anything on the market, past or present.

It has many features that are valuable to you—simplified construction—no choppy fairways—easy running—hardened steel gears, blades and bed knife—sealed pre-lubricated ball bearing rear roller requiring no grease.

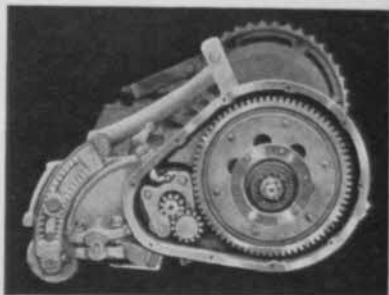
If you want to see what it will do and make an accurate comparison, order one out and put it to work in the same hitch with your present gang.

Put it on the fairways and in the rough—watch it perform and keep a record of the costs. You'll be enthusiastic over results.

**TORO MANUFACTURING  
CORPORATION**

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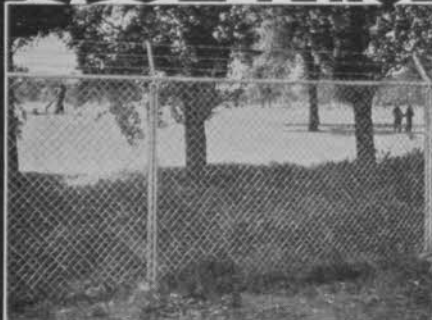


*Simplest, strongest drive. Machine cut hardened steel drive gears on both wheels, a floating ratchet pinion and a reel pinion are the only working parts. You can disassemble and clean this mower in 25 minutes.*

**Tested and Approved by Able Men**



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● The privacy afforded by Page Fence is a magnet that draws the highest class of membership. Its protection against careless trespassers is equally important. And it provides opportunities for revenue from tournaments and exhibitions. Page distributors are independent local experts who are factory-trained to give best possible counsel and service. Write to PAGE FENCE ASSOCIATION, Bridgeport, Conn., Atlanta, Chicago, New York, Pittsburgh or San Francisco for book, "Fence Facts," containing information about Page's five superior metals, exclusive winquad channel line posts and other quality features.

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## MOWERS



A new type Sickle Bar Mower for cutting hay and weeds in rough.

Before purchasing any mowers, it will pay you to write us and have our complete mower catalog on hand.

Power, Fairway, Greens mowers, Tractors.

ATTRACTIVE PRICES

Write for Catalog



**NATIONAL MOWER CO.**

839 Cromwell Ave., St. Paul, Minn.

been in extension of weed control tests this year by MGA members. There is hope of establishing experimental gardens at the university of Illinois for the benefit of course maintenance, lawns and parks, as a result of the MGA push being given this proposition.

Gerald M. Dearie, Publicity chm.,  
Midwest Greenkeepers' Assn.

## NEBRASKA...

NEBRASKA Greenkeepers' Assn. now is only a year old and has but 10 members; however, it is optimistic about doubling its membership this spring and becoming a state-wide help in Nebraska course maintenance. There is keen enthusiasm and diligence in association work among the present members. The USGA experimental green is located at the Omaha CC and is receiving a great deal of attention.

Dr. Keim, chief agronomist of the University of Nebraska, is an honorary member of our organization and is in close, sympathetic association with our work.

As a result of Dr. John Monteith's talk at the Purdue short course this year, which I attended, we are planning to devote at least 2 hours at each of our association meetings to Questions and Answers, in an endeavor to acquaint ourselves with varied details of problems that are common to most of us.

Victor George, Sec.-Treas.,  
Nebraska Greenkeepers' Assn.

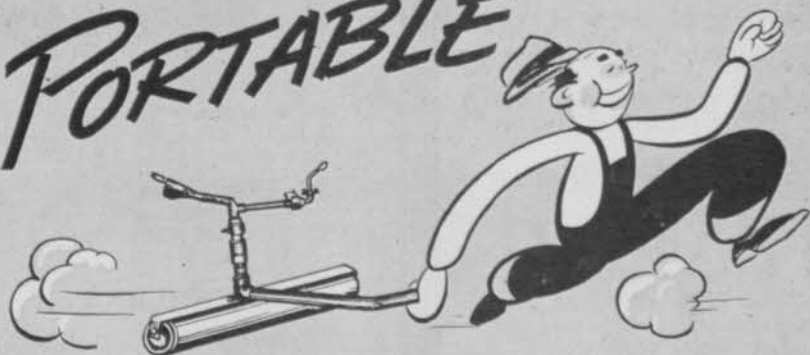
## MICHIGAN...

MICHIGAN and Border Cities Golf Course Supts. Assn. already has begun to plan its reception of the 1941 national greenkeeping convention. At a recent conference of our officials, John Gray, GSA president, was present and discussed our general plans. Clarence Wolfrom, local VP, reported on details of the 1940 national convention.

Michigan and Border Cities supts. agreed that the short course held at Michigan State College March 7 and 8 was the most practically valuable of the many helpful sessions held at that school, and have been loud in their praise of Prof. C. E. Millar for the way in which the course was handled. Attendance was the largest on record; 107.

Annual meeting of the M & BC Supts. Assn. will name 1941 officers

# PORTABLE



• Buckner portable sprinklers, famous for their ease of operation and long life, are of simple, rugged construction. • They are in use on thousands of acres on hundreds of leading golf courses. • Buckner features are patented and cannot be found in any other equipment. • Write for catalog B NOW. • It will help you solve your irrigation problem.

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## PREVENT DAMAGE from GRUBS and WORMS

*For Better*  
TEES  
GREENS  
FAIRWAYS  
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• Protect new and established turf against grub and worm damage.

Both NuREXFORM and GRASELLI Lead Arsenate are highly effective and easy to apply, either as a dust or spray. They give you economical protection against unsightly turf. Grub-proof with NuREXFORM and GRASELLI Lead Arsenate. See your nearest golf supply dealer.

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WILMINGTON, DELAWARE

**GRASELLI Lead Arsenate • NuREXFORM Lead Arsenate**

*Here It Is . . .*  
**the NEW, LOW COST  
 BROWN PATCH CONTROL  
 — SUPER —  
 MINERALITE**

Super-Mineralite controls both large and small Brown Patch with utmost effectiveness and economy. Will not burn or injure most delicate turf. Contains vital plant elements essential for sturdy turf growth. Super-Mineralite applied dry or wet, is effective in all parts of North America. Rate of application—half pound of Super-Mineralite for 6,000 sq. ft.

100 lb. drums—\$110; also available in 50 lb. and 25 lb. drums.

Write for Free Sample, literature and name of nearest dealer.

**AGRICULTURAL INSECTICIDE CO., Inc.**

BELLE GLADE, FLORIDA

Midwest Distributors:

American Hydrolizer Co., Elmhurst, Ill.

and committee members. Meeting is scheduled at Hotel Tuller, Detroit, March 26.

Winter conditions have been severe but with usual confidence our organization's members are looking forward to a season that will continue high standard of maintenance on Michigan courses.

David C. Kennedy, Sec.-Treas.,  
 Michigan and Border Cities  
 GC Supts. Assn.

### NEW ENGLAND . . .

**H**AVING just concluded our session on golf course maintenance at the annual Massachusetts State College recreational conference, the Greenkeepers Club of New England went right to work and sponsored a round table discussion series, held on three nights, at the Waltham Field Station.

The first discussion period, held March 21, was concerned principally with the study of Mercury—its costs, analysis, substitutes, and methods of application. The second meeting, held March 25, was devoted to a discussion of individual course problems. The final session, held March 28, featured a discussion on establishing bird sanctuaries on golf courses, in addition to "Business Management of the Greenkeeper's Job."

The annual meeting of the Massachusetts Golf Assn. Service Section and the Greenkeepers Club of New England will be held April 8 at the Charles River CC, Newton Centre, Mass.

With the aid of the dealers, the Greenkeepers Club of N. E. is looking forward to staging a big outdoor equipment show in the early fall.

Philip Cassidy,  
 Sec., Greenkeepers Club of N. E.

### CONNECTICUT . . .

**W**HILE the turf of the Nut Meg State's courses was being covered with the worst sleet and snow storm in the past two decades, the Connecticut Assn. of Golf Course Superintendents met on March 4th, to plan still better golf courses for 1940.

Fifty-three members and guests of the association braved a storm that incurred great damage in the northeastern section to trees, felled telephone and power wires that were coated with an inch of ice, to meet at the Tumble Brook CC near West Hartford, Conn. At the meeting were representatives from Connecticut, Massachusetts, New Jersey,

## STANDARD GOLF COURSE EQUIPMENT.

SEAMLESS STEEL FLAG POLES  
 TRU-VUE WOOL AND COTTON FLAGS

**4**

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- "Quality" Wood Poles
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