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CHICAGO

All Over the MAP with the Greenkeepers

IOWA...

AN 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...

GREENKEEPERS 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

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!

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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



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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.

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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. 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-Fest" 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

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 Llanerch 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.,

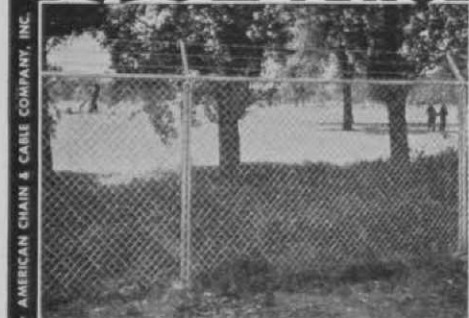
Philadelphia Assn. of Golf Csc. Supts.

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

PAGE FENCE



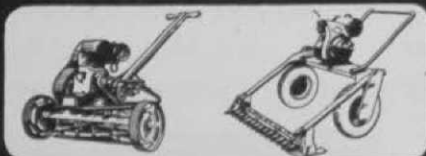
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keen in extension of weed control tests this year by MGA members. There is hope of establishing experimental gardens at the university of Illinois for the benefit of course maintenance, lawns and parks, as a result of the MGA push being given this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

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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.

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BELLE GLADE, FLORIDA

Midwest Distributors:

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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 . . .

HAVING 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 . . .

WHILE 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,

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- "Cup setter and cup extractor
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- "Divot and Turf Repairers
- "Six-Ball" Washer
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- "Aluminum" Yardage, Tee, Green, Direction, Regulation and Entrance Signs and Markers
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81% Mercury content insures greatest effectiveness.

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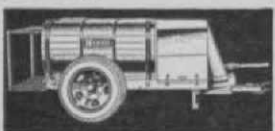
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HARDIE

DEPENDABLE
SPRAYERS

New York, Pennsylvania, and Rhode Island.

An interesting exhibit of a few of the numerous factors that enter fine turf maintenance was set up by Irving Pierson, supt., New Haven Municipal GCse, who was assisted by A. B. Longo, supt., Woodbridge GC., Woodbridge, Conn., and H. Grahame, supt., Oak Hill CC, Fitchburg, Mass.

At the business session, Andrew Lentine, host-superintendent at Tumble Brook, and president of the association in 1939, was re-elected to continue his office; George Moquin, supt., Manchester CC, was elected vice pres.; Chas. C. Travers, Mill River CC, Stratford, was re-elected sec'y-treas., with A. M. Locke, supt., Longmeadow CC named asst. sec'y. Wm. B. Lindsay, supt., Wampanoag CC, West Hartford, was elected three year director.

Don MacKay, supt., West Hartford GC, who was president of the association in 1937-38, was presented with an engraved silver tray, as a token of esteem by the Connecticut Captains of Course Upkeep.

Kent Bradley,
Roving Reporter

CENTRAL PENNA. . .

OUR association, the Central Pennsylvania Greenkeepers Assn. has just concluded the first year of its existence, and a successful year it has been, too. At our last meeting, held March 11, we had Dr. H. B. Musser, Penn State College, help conduct our program for the evening; there was considerable discussion on spring planning, arranging fertilizing programs at our clubs, etc.

Having been organized for the past year, we can now see the benefits of getting together regularly with other greenkeepers who have problems much the same as our own. Fred Grau and Dr. Musser of Penn State have been of great help to us, as have the rest of the Penn State associates, in helping us iron out our difficulties.

Riley E. Heckert
Secy. Treas., Central Penna.
Grnkpr. Assn.

MINNESOTA . . .

TWIN CITY area members of the Minnesota Greenkeepers' Association plan to, and must, cooperate with the fellows that are taking care of courses in the small, isolated towns throughout the state. They have their problems and would like to have the

For a deeper grass root system on your greens and approaches use

TAT VITAMIN B₁

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Nature creates Vitamin B₁ in the TOP of grass which we constantly cut away. That's why TAT B₁ is so necessary for deeper roots and luxuriant top growth. Has produced wonders in shady areas. For ease of application, use



TAT SYPHONETTE

Merely attach Syphonette to water faucet and garden hose. Equipped with rubber tube to draw out solution in correct scientific proportion. Ideal for any soluble fertilizer, arsenate of lead, etc. Kit contains

TAT B₁ (enough for 800 gals.)
and SYPHONETTE\$2.25

Order a kit and do your own experimenting.

TAT ANT BAIT

contains 1.30% Thallium Sulphate, the minimum to produce 100% control. In handy collapsible tubes for easy application. Per dozen 1 oz. tubes.....\$2.25



TAT MOLE & GOPHER CONTROL

Raw peanuts impregnated with Thallium Sulphate (the only tasteless and odorless poison) introduced into holes and tunnels bring about quick control. Guaranteed.

1 lb. can \$1.10 10 lb. can—\$10.00



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St. Paul-Minneapolis group visit them and offer suggestions.

As one member from a club 300 miles away stated, he would be satisfied and well-paid for belonging to the association if some group visited him every four or five years. It is no more than fair that these boys receive some cooperation from the association. In the past two seasons we have added about fifteen new members from towns of 5,000 to 25,000 population. Several are new greenkeepers, located at clubs that have just been constructed or have just converted sand greens into bent. Some of them feel they need help, and certainly deserve a helping gesture from the group. President Joe Rush plans to see that such a plan is carried out in 1940.

Elected president of our group at the recent annual meeting was Joe Rush, Minneapolis CC. Rush succeeds Len Bloomquist of Superior GC. Art Jensen of the Fargo (N. Dak.) CC, was elected vice-president, with Vic Larson of the Minneapolis GC, and Stan Graves of the Hillcrest CC, St. Paul, re-elected treasurer and secretary respectively. We will start our outdoor meetings in April.

Stan Graves,
Secy., Minn. Greenkeepers' Assn.

OHIO...

CHARLES MAYER, for the past 16 years, supt. at Heather Downs CC (Toledo) was elected president of the Ohio Assn. of Golf Course Supts. annual election meeting March 18 at Heather Downs. Other officials elected: Malcom McLaren, Canterbury GC, Cleveland, vice-pres., and Nelson Monical, Westfield CC, LeRoy, sec-treas.

Forty-seven supts. braved inclement weather to attend the annual election meeting which was preceded by a tour of the fine Heather Downs plant, 18 holes of which are used as daily fee; and 18 as private. Mayer is responsible for maintenance of the club's physical property in addition to the courses. A group of table tennis tables and a new bar in the men's grille are recent indications of Charlie's versatility.

Ohio supts. are not sponsoring a short course this year. The conference to be held in Detroit will be handy for the Ohio men and will fill the spot the short course generally occupies in the calendar.

Early spring maintenance in Ohio has been done with a snow shovel.

Nelson Monical,
Sec.-Treas., Ohio Assn. GC Supts.