

ECONOMY

Quick-Coupling Adjustable-Opening Valve

Recommended for all hoseless sprinkling systems for golf courses where speed, economy and efficiency are desired. Write for name of our agent nearest you—he will give free demonstration.

ECONOMY IRRIGATION CO., Inc.

21 Spokane Street

Seattle, Washington



pounds of the seed and marketed it all over the world. Canada bought more than \$60,000 worth of the seed and in turn sold an equal amount of Canadian clover to its sister Dominion.

"What strikes us particularly about this item of information is that the New Zealand grass holds the ball well up from the ground which is good news from the Commissioner for the indifferent player who finds difficulty in lifting the elusive sphere. In future we shall play on no course unless it is carpeted with Chewings fescue," stated an editorial writer of a Canadian daily newspaper.

With a trade commissioner booming the merits of fescue and a band of business men, all of them golfers willing to listen to his pleas and arguments, it is possible that the New Zealand fescue might become a still more popular seed for the Canadian course, even taking the place of bent and its many varieties. But if it is possible it is not likely yet, according to greenkeepers who read the Trade Commissioner's arguments for fescue.

Greenkeepers are prepared to admit that the fescue advocated as perfect for Canadian courses is ideal for the fairway, but they are not yet convinced the Canadian golfer has lost his faith in bent for his putting greens. The fescue was a predominating grass in Canada for many years; in fact the greens of a number of well known courses were sown with it. Perhaps the fact that bent was a matter of experiment still in Canada caused the trade commissioner to come forward with his argument for a wider use of the grass.

"For years fescue was a predominating grass on Canadian courses. Only of recent years have we gone in for the bent grass," said Secretary Bert Hawkins. "All greens on the Lakeview course are fescue. As for bent it will not stand close cutting in Canada. Fescue is fine for the fairway. No matter what its qualities may be, I doubt if those clubs which are turning to and using bent will do away with it. The Canadian golfer likes it. On the other hand when you have fescue you know what you have. When you use bent in Canada a greenkeeper is not certain of what the result will be."

MILORGANITE

THE IDEAL TURF FERTILIZER

For further information address

SEWERAGE COMMISSION

P. O. Box 1167

Milwaukee, Wis.

So it seems that it will take more than a Trade Commissioner's views to cause the Canadian greenkeeper to bring his experiments with bent to an end and turn to a grass because it means trade with a sister Dominion.

* * *

The qualities of different grasses will provide a subject for discussion monthly among greenkeepers this winter. The arrangement they have made for their meetings until the season of 1932 opens is that a greenkeeper from a prominent club will deliver a short address on conditions which he observed during 1931 after which the meeting will be thrown open for discussion. In view of the conditions which prevailed during the summer of 1931 the qualities of different grasses will prove the item of discussion.

Although it is November, fairways and greens are almost in the same condition as midsummer. The prediction of an early winter after an excessively hot summer has not been fulfilled and the golfer is still able to play on permanent greens. Greenkeepers report that there is as much golf as during the height of the season and that courses are in excellent shape due to plenty of rain and mild weather.

Western New York News

By ARTHUR STEPHEN

THE Western New York Greenkeepers' Association held its annual meeting and election of officers at Hotel Richmond, Batavia, N. Y., on November 10. There was a good attendance of greenkeepers and assistants and the following officers and directors were elected:

President, James Connaughton, Monroe Golf Club, Pittsford, N. Y.

Vice-President, Custer Stallman, Durand Eastman Park Golf Course, Rochester, N. Y.

Treasurer, Charles Earl, Oakridge C. C., Spencerport, N. Y.

WINTER-HARDY — ACCLIMATED

BENT GRASS SEED

Direct from my farms where it is grown

GUARANTEED RESULTS

A. N. PECKHAM :: Kingston, R. I.

STAUDE UTILITY GOLF COURSE TRACTOR

Manufactured continuously since 1916. Sold on a money-back guarantee. Priced as low as \$475. Sold by Ford dealers everywhere.

Write for details.

E. G. STAUDE
Mak-A-Tractor Co.
2630 University Av.
St. Paul, Minn.

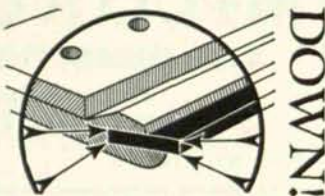


Budd Mower Blades Send Overhead

Four times the service of ordinary blades. Safety razor principle. Better work at less expense. Now used by many leading golf clubs.

Send for Price List "N" with new low prices.

BUDD MFG. CO.
RAVENNA, OHIO



Secretary, Frank Nichols, Meadowbrook Golf and C. C., Clarence, N. Y.

Directors, Al. Schardt; Robert Henderson; James Connaughton; Custer Stallman; F. Reese; Wm. Brizee; Arthur Stephen.

The stork flew over the Monroe Golf Club a couple of weeks ago and left two nice babies for Mr. and Mrs. James Connaughton, our new president. "Jim" is being burdened these days with honors and responsibilities, since in addition to the above he is also District Vice-president of the National Association of Greenkeepers of America. "Jim" is extremely well liked and all the boys wish him the best of luck.

Minnesota Gossip

By H. E. STODOLA, Secretary



H. E. STODOLA
Keller Golf Club

THE Minnesota Association held their monthly meeting at Westwood Hills C. C., in Minneapolis, Monday, November 16. This is a privately-owned fee course with eighteen holes completed. Nine more holes are being constructed this fall to be ready for play next June. Nine more holes will be constructed later, making this a 36-hole layout.

Mr. Gerald McNulty, realtor, owns and operates this course. He is an enthusiastic sponsor of public golf and this summer the Minnesota Public Links tournament was held on his course.

Pat Johnson is the hard-working greenkeeper and his many duties are beginning to thin his hair. Many of his fairways are on peat land and the drought this summer made many cracks. He kept two teams busy two months this season

filling cracks. He has connections for fairway watering. He does not have to do much watering on the peat fairways because they stay green.

Part of the course is very hilly and that relieves the monotony of the flat part. The greens are of a substantial Erickson bent and stand the play very well. Many trees are being planted and to see all the people working on this course makes you feel that business is what you make it. Mr. McNulty, says their business has increased about forty per cent over last year.

Leo Feser called the business meeting in the clubhouse. The main topic was "On to New York." Minnesota is working hard to have delegates to the Convention.

Progress is being made on a short course at the University of Minnesota and if one is not held this year it will be held next year for sure.

A lively discussion was held on fairway fertilization. Most of the greenkeepers are in favor of a complete fertilizer in the fall and a nitrogenous fertilizer in the spring.

A regular feast was served by Mrs. Johnson and Mrs. Larson, wives of the able greenkeepers from Minneapolis Club.

The next meeting will be held at Glenwood Club, Monday, December 14.

Tri-State Gossip

By JOHN QUAILL, Secretary-Treasurer

THE past season has been a hectic one for all the superintendents of the Tri-State district comprising Western Pennsylvania, Eastern Ohio and West Virginia.

The Pittsburgh boys not only suffered from the usual troubles to be found on a golf course but were also incapacitated through sickness and injuries.

John Pressler, the veteran greenkeeper at Allegheny Country Club was out the first part of the year through an accident that confined him to the hospital for over six months. Arthur Snyder of Alcoma Club twisted a ligament in his knee and managed to hobble around his course with the aid of crutches. Frank Richardson of Shady Side Golf Club lost a couple of fingers by a tractor. "Fredy" Jacobs had the sad misfortune of the death of his wife, and likewise Lew Evans, who recently lost his wife. The writer also had his bad luck. Starting with the prolonged sickness of his wife followed very closely by a lengthy sickness of his own, made the season in this district one that we are all glad to see behind us.

Our sympathy surely goes to Fred Jacobs and Lew Evans as they have lost possessions very near and dear to

IMPROVES SOIL

Hyper-Humus

for **LAWNS AND GARDENS**

for **PUTTING GREENS**

TRIED and TESTED
Organic in top dressing mixture, or put it directly into the soil. Write

Hyper-Humus Co.

48 Park Place
NEWTON, N. J.

them while the others are getting along very nicely and will be their old selves again.

* * *

Brown patch both large and small paid several visits to Pittsburgh. Following closely on the heels of large patch were the webworms. Practically every course reported webworms and some success was had with lead arsenate. While this treatment gave results in some places, a better and surer treatment will have to be used to totally stop this pest. All the agricultural colleges and experimental stations are looking for a new and surer method and we hope they will be able to announce something by next season.

* * *

Small patch hit every club in the district late in September and in some cases was very severe. Owing to lateness of the attack, the grass has not had sufficient growing weather to heal all the scars and it will be next spring before the scars will disappear.

* * *

Taking it all in all, the Tri-State superintendents are glad that 1931 is almost past and are all hoping and praying that next year will bring better times and less trouble. But after a winter's rest, all will be anxious to jump into harness again and fight the same old battles and maybe some new ones, keeping up the fighting spirit that makes the greenkeeper love his profession and command the respect of all who know him.

Philadelphia News

By M. E. FARNHAM, Secretary, P. A. G. C. S.

THE Philadelphia Association of Golf Course Superintendents, the Philadelphia Green Section and Service Bureau, and the makers and distributors of equipment and supplies cooperated in conducting a demonstration at the Philmont C. C. on Sept. 29.

The demonstrations included tractors, fairway, tee, and green mowers, mixing and application of brown patch preventatives, fertilizer mixing and application, sprinklers, etc. Joseph Ryan, Rolling Green C. C., for the P. A. G. C. S., and R. M. Slotter, Philmont C. C., for the Green Section, were in charge of the sessions.

* * *

The meeting furnished opportunity to observe the different makes of machinery under the same conditions; to acquaint Chairmen and others with the extent and character of the Superintendents' highly technical problem in selecting proper equipment, and with several sources of highly specialized information the superintendent must consult and appraise.

The thought behind the demonstration and the evening meeting, which was devoted exclusively to non-technical subjects, was to show the attending officials that matters of detail in course maintenance are best confined to the superintendents' province.



NACO will make your fertilizer dollars pay dividends in improved turf. If unable to secure NACO from your Golf Supply House write direct to the manufacturers.

NACO

"A GOLF COURSE FERTILIZER"

NITRATE AGENCIES COMPANY
104 PEARL STREET - NEW YORK CITY

On October 26 the Association's annual tournament was played at the Pine Valley Golf Club, Clementon, N. J. This nationally-known course was in perfect condition. There were no objections to the high wind when said wind happened to get behind a shot on one of the long carries.

Supt. Geo. T. Cunningham and his greenkeeper E. Steiniger, have also recently planted one of the U. S. G. A. Green Section Demonstration Gardens which will be very valuable to those trying to grow turf on sand.

Incidentally, George assured us every bunker on the course is raked once a year whether it needs it or not. What a course for bunkers!

* * *

The Howard W. Scholey Cup was won by R. C. Lane, Bala Golf Club, with the low gross score 93.

The Howard C. Toomey Cup was played for on a Kickers' Handicap. A tie resulted between J. S. Tagnon, Ashbourne C. C., and Robert Valentine, Maine Line G. C. The latter won the play off.

* * *

After dinner, which was served to 44, we were welcomed by Mr. C. L. Bardo, Chairman of the Green Committee who gave us a very interesting and inspiring talk, typical of a man with executive experience.

Mr. Leonard Lipman, of the Synthetic Nitrogen Products Corporation, gave us his viewpoints on concentrated fertilizers and answered the numerous questions which his remarks brought up.

Mr. Edward E. Evaul, N. J. Agricultural Experimental Station, New Brunswick, N. J., talked at some length, continuing the fertilizer discussion, and considering soil conditions, particularly under greens. There seems to be little question that much of the recurrent loss of turf during trying summers is either directly or indirectly due to impervious soils or soil layers. Unfortunately, the plow seems to be the only implement to bring about any real correction of this condition.

**HUBBARD
NURSERIES**
N. Kingsville, O.

A fine stand of
genuine Washington
strain of Bent.
Extra rich in nodes.



Colonel Morley Appoints Speakers

A TENTATIVE program of speakers for the Educational Conference at the Sixth Annual Greenkeepers' Convention has been announced by Colonel John Morley, president of the National Association of Greenkeepers of America.

The Educational Conference will cover three afternoons, January 20, 21, 22, and will be presided over by Howard B. Sprague, New Jersey Agricultural Station at New Brunswick.

Following are the names of the speakers who have been selected:

Dr. Howard B. Sprague, Chairman, New Brunswick, N. J., Agronomist, New Jersey Agricultural Experiment Station.

J. O. Campbell, Wethersfield, Conn.
 Professor M. H. Cubbon, Amherst, Mass.
 Martin L. Davey, Kent, Ohio
 M. E. Farnham, Philadelphia, Pa.
 L. J. Feser, Minneapolis, Minn.
 O. B. Fitts, Washington, D. C.
 Professor Lippman, New Brunswick, N. J.
 John Monteith, Jr., Washington, D. C.
 John Pirie, Chappaqua, N. Y.
 John Quail, Pittsburgh, Pa.
 Herbert E. Shave, Detroit, Mich.
 Professor A. H. Tomlinson, Guelph, Canada
 C. E. Treat, Boston, Mass.
 C. E. Tregillus, Chicago, Illinois
 Kenneth Welton, Washington, D. C.

The President's Mail

Colonel John Morley,
 Youngstown, Ohio.

Dear Colonel Morley:

Your letter of the 14th received and I accept your appointment with great pleasure, and also look forward to the time of our meeting.

I am hoping that things haven't been as dry with you in regard to rain as it has with me, for we have had practically no rain in six months, yet I am still carrying on and at the present I have twenty of the most beauti-

ful winter greens planted with rye that you ever gazed upon, but I am having a hard time holding them, for of late we've had nothing but fog and muggy weather, yet if we greenkeepers didn't have any trouble we wouldn't have a position.

Wishing you the best of health, I remain,

Yours very respectfully,

HUGH C. MOORE, *Greenkeeper,*
Sea Island Golf Club,
Saint Simon's Island, Georgia.

* * *

Colonel John Morley,
 Youngstown, Ohio.

I received yours of the 16th appointing me on the Show Committee for 1932. Let me assure you it will be a pleasure to serve in any capacity you may designate at any time, and will endeavor to give you the best of my ability.

Another season almost gone and the woes of the greenkeepers nearly over for a little while at least, so while I, for one, am reflecting the past and at the same time musing into the future I am pleased to drop a line and to say hello, John, and although I, like many others have had my troubles since the Ryder Matches, my thoughts have often wandered to my old friends in our field of trials and tribulations.

Anyway for this year they will in a short time be a thing of the past and the time will soon be here when we can again meet the men of our calling and tell some of our troubles and thus relieve some of the pain and anguish.

I, for one, am looking forward to the Convention and again seeing you looking fit and much better than when I last saw you and sincerely hope the big Show will again be a howling success. Please let me know if I can be of any service to you as I feel it a duty to be at your command at this time.

With best wishes and kindest regards,

Sincerely yours,

JOS. WILLIAMSON, *Greenkeeper,*
Scioto Country Club, Columbus, Ohio.

Send dues and official communications to 1101 Farmers Bank Building, Pittsburgh, Pa.

Any correspondence requiring the Secretary's personal attention may be sent to either 1101 Farmers Bank Building, Pittsburgh, Pa., or to —

JOHN QUAILL, Secretary
 426 HIGHLAND AVENUE
 WEST VIEW, PITTSBURGH, PENNA.

Address all communications relating to the New York Golf Show—

FRED A. BURKHARDT
 Chairman, Show Committee
 405 CAXTON BLDG., CLEVELAND, OHIO

Market Place and Buyers' Guide

Where reputable manufacturers and dealers list and describe their products. Greenkeepers are requested to write the Market Place for any special information they desire about supplies or equipment

Airport Drainage

Armeo Culvert Mfrs. Association
Wendell P. Miller and Associates

Ant Control

Royal Products Company

Ball Washers

J. Oliver Johnson, Inc.
Worthington Mower Company
Ideal Power Lawn Mower Co.
G. B. Lewis Company

Ball Locators

Worthington Mower Company

Bent-Coos County State Sealed and Certified
J. M. McCullough's Sons Company
Seaside Bent Company

Bent Seed—Cocoas Creeping

Stumpp & Walter Company

Bent Seed—Prince Edward Island

J. M. McCullough's Sons Co.

Bent Stolons

Hubbard Nurseries
O. M. Scott & Sons Co.
Stumpp & Walter Co.
Ohio Humus Products Co.
Illinois Grass Co.
Hiram F. Godwin
Lyman Carrier

Bluegrass—Seed

J. G. Peppard Seed Company

Brown Patch Control

Stumpp & Walter Co.
J. Oliver Johnson, Inc.
Arthur D. Peterson
American Cyanamid Sales Co.
C. B. Dolge Company

Charcoal

Cleveland Charcoal Supply Company

Cocoas

Lyman Carrier
Stumpp & Walter Company

Compost Distributor

Toro Mfg. Company

Compost Mixer

Toro Mfg. Company
Royer Foundry & Machine Co.
Beardsley & Piper Company
Silver Mfg. Company

Compost Screen

Silver Mfg. Company

Cultivators

John H. Graham & Co.

Drainage Engineers

Wendell P. Miller and Associates

Dump Carts

Toro Mfg. Company
J. Oliver Johnson, Inc.
Worthington Mower Company
Peter Henderson & Co.
Ideal Power Lawn Mower Co.

Fairway Fertilizers

Synthetic Nitrogen Products Corp.
Armour Fertilizer Works

Fairway Irrigation

Buckner Mfg. Co.
Campbell Irrigation Company
Economy Irrigation Company
L. R. Nelson Mfg. Company

ADVERTISERS' INDEX

Buckner Mfg. Company	15
Budd Mfg. Company	22
Diamond Calk Horseshoe Company	20
Economy Irrigation Company	21
Fate-Root-Heath Company	12
Hotel Pennsylvania	7
Hubbard Nurseries	23
Hyper-Humus Company	22
Johnson, J. Oliver, Inc.	12
Milwaukee Sewerage Commission	21
Nelson, L. R., Mfg. Company	Cover
Nitrate Agencies Company	23
Peckham, A. N.	21
Pennsylvania Lawn Mower Works	Cover
Peterson, Arthur D.	25
Scott, O. M., & Sons	Cover
Staudt, E. G., Mak-A-Tractor Company	21
Stumpp & Walter Company	12
Toro Mfg. Company	Cover
Wayside Gardens Company	Cover
Worthington Mower Company	Cover

Fairway Mower Blades

The Budd Mfg. Company

Fairway Mowers

Pennsylvania Lawn Mower Works
Toro Mfg. Company
E. G. Staudt Mak-A-Tractor Co.
Ideal Power Lawn Mower Company
Worthington Mower Company
The F. & N. Lawn Mower Co.
National Mower Company

Fairway Rollers

Toro Mfg. Company
Philadelphia Toro Company
Worthington Mower Company

Fairway Tractors

International Harvester Co., of America

Fertilizers

Milwaukee Sewerage Commission
J. Oliver Johnson, Inc.
Peter Henderson & Co.
Nitrate Agencies Co.
Atkins & Durbrow, Inc.
Arthur D. Peterson
American Cyanamid Sales Co.
Lyman Carrier Company
Bayer-Semesan Company
Synthetic Nitrogen Products
Wayside Gardens Company
Armour Fertilizer Works

Fertilizer Distributors

International Harvester Co. of America
Synthetic Nitrogen Products Corp.

Flag Poles

Ideal Power Lawn Mower Company
Standard Mfg. Company

Flexible Steel Mats

J. Oliver Johnson, Inc.

Fungicides

Bayer-Semesan Company, Inc.
Sherwin-Williams Company

Golf Architecture

Charles Evans, Jr. and Associates

Golf Course Construction

Ohio Humus Products Co.

Golf Equipment

Stumpp & Walter Co.
Peter Henderson & Co.
Arthur D. Peterson
Ideal Power Lawn Mower Co.
Lawn Equipment Corp.
T. W. Wood and Sons
Worthington Mower Company

Golf Flags

Ideal Power Lawn Mower Co.
Stumpp & Walter Company
Peter Henderson & Co.
Arthur D. Peterson
Philadelphia Toro Company

Greens Fertilizers

Armour Fertilizer Works
Synthetic Nitrogen Products Corp.

Greens Sprinklers

L. R. Nelson Mfg. Co.
Buckner Mfg. Co.

Hand Mower Blades

Budd Mfg. Company

Hole Cups

Standard Mfg. Company

Hole Cutters

Ideal Power Lawn Mower Co.
Lawn Equipment Corp.
Standard Mfg. Company

Hole Liners

Chilton Crocker Company

Hole Rims

Ideal Power Lawn Mower Co.
Arthur D. Peterson

Horse Drawn Mowers

Pennsylvania Lawn Mower Works
Worthington Mower Company
International Harvester Co. of America
Ideal Power Lawn Mower Co.
Roseman Tractor Mower Co.

Hose

Peter Henderson & Co.
Arthur D. Peterson

Humus

Hyper-Humus Company
Ohio Humus Products Co.
Peter Henderson & Co.
Atkins & Durbrow, Inc.
Richard Gerstell

Insecticides and Fungicides

American Cyanamid Sales Co.
Sherwin-Williams Company
Bayer-Semesan Company

Iron Pipe

McWane Cast Iron Pipe Co.

**"Everything for The
Golf Course"**

Write for Catalog

ARTHUR D. PETERSON

420 Lexington Avenue
NEW YORK CITY, N. Y.