

# Bulletin of the Green Section of the U. S. Golf Association

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## A MONTHLY PERIODICAL TO PROMOTE THE BETTERMENT OF GOLF COURSES

ISSUED BY THE GREEN COMMITTEE OF THE  
UNITED STATES GOLF ASSOCIATION

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### MEMBERS OF THE GREEN COMMITTEE OF THE UNITED STATES GOLF ASSOCIATION:

C. V. PIPER, Chairman,  
R. A. OAKLEY, Vice Chairman,  
E. J. MARSHALL, Vice Chairman,  
GEORGE W. ADAIR,  
W. A. AELXANDER,  
STERLING E. EDMUNDS,  
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FREDERIC C. HOOD,  
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WYNANT D. VANDERPOOL,  
ALAN D. WILSON,  
FRANK L. WOODWARD,

Inverness Club,  
Druid Hill Golf Club,  
Old Elm Club,  
St. Louis Country Club,  
Oakmont Country Club,  
Columbia Country Club,  
The Country Club,  
Wilshire Country Club,  
Audubon Golf Club,  
Ekwanok Country Club,  
Morris Country Golf Club,  
Merion Cricket Club,  
Denver Country Club,

Washington, D. C.  
Washington, D. C.  
Toledo, Ohio.  
Atlanta, Ga.  
Fort Sheridan, Ill.  
St. Louis, Mo.  
Pittsburgh, Pa.  
Washington, D. C.  
Boston, Mass.  
Los Angeles, Calif.  
New Orleans, La.  
Manchester, Vt.  
Convent Station, N. J.  
Haverford, Pa.  
Denver, Colo.



The Club House of the St. Louis Country Club where the National Amateur Golf Championship will be held next summer.

## ANNOUNCEMENT

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### Bulletin and Service of Green Committee of the United States Golf Association

The formal announcements of the formation of a Green Section of the United States Golf Association to be conducted by a Green Committee are appended, and this is intended to announce the Committee's Bulletin and service, which may be obtained by golf clubs in the United States and Canada whether affiliated with the United States Golf Association or not.

It is pointed out in the other articles that the Bulletin and service may be obtained by any club in the United States and Canada appointing some member of its green committee as delegate to the Green Section of the United States Golf Association and paying the annual fee, namely \$15 for member-clubs of the United States Golf Association or \$20 for other clubs, fixed by the Executive Committee of the United States Golf Association to cover the cost of the Bulletin and service.

It is estimated that American golf clubs spend annually in the maintenance of their golf courses between \$15,000,000 and \$25,000,000. Figure it out for yourself. There are many more than two thousand clubs, which on the average spend not less than \$7500 a year. Some a trifle less and a great many several times as much.

The melancholy fact is that at least a third of this amount is wasted through ignorance and the use of ineffective methods.

If the money wasted was applied in a proper direction better results and a higher standard of maintenance throughout the United States would be accomplished.

The aim of the Green Committee of the United States Golf Association is to remedy this situation.

It is intended that the Green Committee shall serve nationally as the local green committees serve locally, to the end that the interest and coöperation of local committees may be aroused.

If the information and experience possessed by local committees, local green keepers and others who can contribute something in a practical and scientific way are made available to all, the results can not be otherwise than beneficial.

The Committee is composed of amateurs—amateur green committeemen—who will serve without financial recompense and will feel amply rewarded if they are able to stimulate the interest of local green committees.

The Committee will keep itself perfectly free from entangling alliances, either real or implied, so that its ideals can be accomplished. The Bulletin will contain no advertisements and the Committee will neither favor nor disfavor anyone who is interested commercially or professionally. The Bulletin will not seek to occupy the field of the golf journals, golf architects, construction men or the like, and it will contain no golf news or stories. It will carry nothing more than articles and information of interest and benefit to local green committees.

The Bulletin will be issued monthly, with perhaps an occasional special Bulletin, and the service and aid of the Green Committee of the United States Golf Association will be available at all times. Any question relating to green keeping or the duties of a green committee may be submitted at any time and will be answered to the best of the ability of the Committee. All information of a technical nature will be obtained from qualified persons.

In every issue of the Bulletin will be printed the more important questions and answers handled by the Committee during the interim between the publication of Bulletins.

It is intended that the service and aid of the Committee in the way of answering questions shall be personal. In other words, the Committee will make the same effort to give a complete and satisfying answer to inquiries that would be expected if the green committee of any club asked a question of the committee of another club.

It is believed that if the interest of local green committees can be aroused and if they will come to seek information as to what others are doing and as to the best methods and practices, a coöperative spirit will be induced that cannot fail to produce good results. Everyone can contribute something of value to the others and so that this may be accomplished it is hoped that green committees will make the freest possible use of the service and aid of the Green Committee of the United States Golf Association.

The purpose of this first number of the Bulletin is to acquaint all golf clubs in the United States and Canada with the names of the Committee and to seek coöperation.

It is hoped that clubs will sign the blanks enclosed and send their remittances promptly so as to save the Committee the work of drumming them up and urging coöperation that should be voluntary.

The cost is trivial in comparison with the possible benefits, and one useful piece of information obtained from the Bulletin or with the aid and service of the Green Committee may save many times the cost.

The character of matter to be contained in the Bulletin hereafter is indicated to some extent by the second number, which will contain the following:

“The Turf Grass Seeds to Buy and How to Buy Them”—C. V. Piper and R. A. Oakley.

“Winter Work for the Greenkeepers”—Dr. W. S. Harban.

“Spring Work at Inverness”—W. J. Rockefeller.

“Experience and Experiments”—C. V. Piper and R. A. Oakley.

“Questions and Answers.”

## Resolution Adopted by the United States Golf Association, November 30, 1920

*Resolved*, That a Green Section of the United States Golf Association be and is hereby created for the purpose of collecting and distributing among members of the Section information of value respecting the proper maintenance and upkeep of golf courses.

The Green Section shall be composed of delegates and permanent members, as herein provided. Delegates may be nominated by any golf club in the United States or Canada, whether affiliated with the United States Golf Association or not, and each such club may appoint one delegate provided that no person having any direct or indirect financial interest in the sale of any article, material or service used in the maintenance and upkeep of golf courses shall be eligible to membership.

The Green Section shall be conducted by a committee to be known as the "Green Committee of the United States Golf Association," which shall be composed of 25 members, one-half of whom shall be appointed by the President of the United States Golf Association and the other half shall be elected by the delegates and permanent members.

The officers of the Green Committee shall be a chairman and two vice chairmen, who shall be appointed by the president of the United States Golf Association and shall be *ex officio* members of the Green Committee.

The members of the Green Committee shall hold office for one year or until their successors are appointed, and any vacancies occurring in the Committee for any cause shall be filled by the remaining members of the Committee. The number of members of the Green Committee may be increased at any time by a vote of the Committee, and in such case the additional members shall be appointed for the remainder of the year by the Committee and thereafter shall be appointed or elected as herein provided.

Persons who have contributed in a scientific or practical way to the betterment of American golf courses may be appointed permanent members by the Green Committee.

The permanent members and the delegates to the Green Section shall meet at least once a year at the time of the annual meeting of the United States Golf Association or at the time and place of the amateur championship or at a time and place fixed by the Green Committee, and said meeting shall be for the discussion of subjects of interest and the election of members of the Green Committee.

The expense of conducting the Green Section shall be borne by the clubs which appoint delegates to such section, and the dues of each club shall be fixed by the Green Committee.

### SUGGESTED FORM OF NOMINATION

The undersigned hereby nominates \_\_\_\_\_, whose address is \_\_\_\_\_, as their delegate to the Green Section of the United States Golf Association.

Check for \$ \_\_\_\_\_ covering first year's dues is enclosed.

.....  
(Golf Club)

Address.....  
.....



A view of the beautiful sixteenth hole at Columbia Country Club, Washington, D. C., where the National Open Golf Championship will be held this year. This hole is 135 to 145 yards long and the green is partly encircled by a sinuous bend of the creek. The general topography of the course is indicated by the background.

## Announcement from the Secretary of the United States Golf Association

Realizing the importance of aiding in every way the proper upkeep and maintenance of American golf courses, the United States Golf Association has created a Green Section, to be conducted by the Green Committee of the United States Golf Association, as more fully appears in the resolution, a copy of which is appended.

It is confidently believed that this section will by means of timely letters or a regularly published journal, provide information of great value regarding the supplies of seeds, the qualities and use of fertilizers, soil preparation, and scientific matters, besides providing the means by which the experience and practices of green committees and green-keepers throughout the United States will be made available to all; that the result will be a distinct improvement in the standard of maintenance and an avoidance of waste and useless expense.

Through lack of knowledge, it is safe to say, much needless delay is occasioned and many thousands of dollars are wasted each year by golf clubs, especially new clubs, in their endeavors to establish good turf. The utilization of existing knowledge and experience will, it is hoped, not only reduce this useless waste but insure turf of good quality.

We have secured the assurance of full assistance from practically all the scientists of the country who are actively investigating the various factors that determine quality in turf. Among the men referred to are Messrs. Piper, Oakley, Hillman, Walton, and Carrier, all of whom have secured results of high value in connection with turf problems.

We have been fortunate in securing Messrs. C. V. Piper and R. A. Oakley, of the United States Department of Agriculture, to accept, respectively, the chairmanship and vice chairmanship of the Green Committee of the United States Golf Association. This committee, which will conduct the Green Section until the first annual meeting, will be composed of the following:

C. V. Piper, Chairman, Washington, D. C.; R. A. Oakley, Vice Chairman, Washington, D. C.; E. J. Marshall, Vice Chairman, Inverness Club, Toledo, Ohio; George W. Adair, Druid Hill Golf Club, Atlanta, Ga.; W. A. Alexander, Old Elm Club, Fort Sheridan, Ill.; Sterling E. Edmunds, St. Louis Country Club, St. Louis, Mo.; Wm. C. Fownes, Jr., Oakmont Country Club, Pittsburgh, Pa.; Dr. Walter S. Harban, Columbia Country Club, Washington, D. C.; Frederic C. Hood, The Country Club, Boston, Mass.; Norman Macbeth, Wilshire Country Club, Los Angeles, Cal.; W. P. Stewart, Audubon Golf Club, New Orleans, La.; James L. Taylor, Ekwanok Country Club, Manchester, Vt.; Wynant D. Vanderpool, Morris County Golf Club, Convent Station, N. J.; Alan D. Wilson, Merion Cricket Club, Haverford, Pa.; Frank L. Woodward, Denver Country Club, Denver, Colo.

Ultimately it is planned to enlarge the committee so that every section of the country will be represented and its local problems considered.

It is hoped that future development of the Green Committee will include a system of sectional sub-committees which will hold frequent meetings attended by delegates of clubs in that section for interchange of information; to illustrate, a sub-committee might be formed in Chicago.

which would include the surrounding region and would consider local problems.

One-half of the members of the Green Committee will be elected at the time of the annual meeting by the delegates and permanent members of the Section. The other half, and its officers (chairman and two vice-chairmen), who shall be members *ex officio* of the Committee, shall be appointed by the president of the United States Golf Association.

Every golf club in the United States and Canada which is a subscriber to the Green Section is invited to nominate a delegate to the Green Section, preferably a member of its green committee and one who is interested in the subject and can contribute something to the fund of information intended to be made available by the creation of this Section.

Each club nominating a delegate to this Green Section will be required to pay annual dues to support the Section; the dues for the first year will be \$15.00 for members of the United States Golf Association and \$20.00 for other clubs, and the fund thus contributed will be used solely to pay expenses. There will be no salaried officers.

There will also be a permanent membership (without dues) composed of individuals who are interested in this subject and who have done valuable work in a scientific or practical way. Such members shall be elected by the Green Committee.

If consideration is given to the annual cost of maintaining golf courses, these dues will seem trivial, and the savings and benefits derived from membership in this Section should amply justify their payment.

The Green Committee has prepared an announcement of its aims and plans, which follows.

W. D. VANDERPOOL,  
*Secretary, United States Golf Association.*

## Program of the Green Committee of the United States Golf Association

The Green Committee of the United States Golf Association appointed for the purpose of conducting the Green Section submits the following as an outline of the aims and purposes of the Section:

1. *Bulletin.* It is expected that bulletins will be sent to member clubs at least monthly, giving information on matters of interest, such as methods of maintenance and upkeep, with amount of labor involved, and comparative costs, green keeping detail, budget systems, what seed to use and how to buy it, seed analysis, how to determine the percentage of germination and impurity, methods of seeding and reseeding, proper soil composition, comparative values of various fertilizers and relative cost, topdressings—how and when to apply them, grass diseases and their treatment, weeds, pests, etc., and methods of eradication or control, and all the various subjects in which green committees are or should be interested. A loose-leaf binder will be provided so that these bulletins may be preserved for future use. It is contemplated that the committee will send out a number of questionnaires covering subjects of interest, for the purpose of ascertaining the present practices throughout the United States in respect to seeding, fertilizing, the use of equipment, methods,



etc., so that persons interested can ascertain at any time what methods are in vogue, and information as to the best practices can be made available.

2. *A service bureau* is provided for, from which any member may obtain information on any subject of interest relating to the maintenance and upkeep of golf courses. The executive secretary or official in charge of this bureau will answer any inquiries promptly or will obtain the information from those who can speak with authority. It is also expected that a printed report of the papers, addresses, and discussion at the annual meeting will be prepared and distributed.

3. *An annual meeting* of all the delegates and permanent members of the Green Section will be hld at the time of the annual meeting of the United States Golf Association or at the time and place of the amateur championship or at the time and place fixed by the Green Committee, and a suitable program, consisting of papers or addresses on interesting subjects, will be arranged. It is expected that such papers or addresses will be followed by an open discussion. It is believed that this general meeting will be productive of great benefits because of the opportunity for interchange of views and experiences.

4. It is hoped that a means may be provided for assisting and training green-keepers.

5. Pending the completion of the organization of the Section at the first annual meeting of the members, the Green Committee will be composed as follows:

C. V. Piper, Chairman, Washington, D. C.; R. A. Oakley, Vice Chairman, Washington, D. C.; E. J. Marshall, Vice Chairman, Inverness Club, Toledo, Ohio; George W. Adair, Druid Hill Golf Club, Atlanta, Ga.; W. A. Alexander, Old Elm Club, Fort Sheridan, Ill.; Sterling E. Edmunds, St. Louis Country Club, St. Louis, Mo.; Wm. C. Fownes, Jr., Oakmont Country Club, Pittsburgh, Pa.; Dr. Walter S. Harban, Columbia Country Club, Washington, D. C.; Frederic C. Hood, The Country Club, Boston, Mass.; Norman Macbeth, Wilshire Country Club, Los Angeles, Cal.; W. P. Stewart, Audubon Golf Club, New Orleans, La.; James L. Taylor, Ekwonok Country Club, Manchester, Vt.; Wynant D. Vanderpool, Morris County Golf Club, Convent Station, N. J.; Alan D. Wilson, Merion Cricket Club, Haverford, Pa.; Frank L. Woodward, Denver Country Club, Denver, Colo.

6. It is hoped that every club in the United States and Canada, whether a member or not of the United States Golf Association, will nominate one of its members, preferably one of its green committee, as a delegate to the Green Section, so that everyone can contribute something to the information intended to be made available to all and participate in the proceedings and conduct of the Section.

7. The form enclosed should be used for the nomination of the delegates of this Section and should be sent, with check for the first year's dues, to Mortimer Buckner, Treasurer of the United States Golf Association, 26 Broad Street, New York, N. Y.

Address all other communications to W. B. Lydenberg, Executive Acting Secretary, P. O. Box 676, Eleventh Street Station, Washington, D. C.

# An Appeal for Co-operation

E. J. MARSHALL

How much money does your club spend each year on its golf courses? Is it one-third or more of the total revenue? Do you wish you could have more money so you could do more work or have things nicer? *What do you know personally about the work and materials on which you are spending the club's money?* If you had the practices and experience of others available for your study and use, do you think you could save money or get better results for the same outlay?

If you are not interested in your work on your green committee, you ought to resign, and if you are interested any proposal that offers you information and assistance should appeal to you.

Do you spend \$25,000 or only \$2500 a year? In either case the cost of the service of the Green Committee of the United States Golf Association, is trivial. If the way is pointed to but a single economy, you have your money back. If you are able to secure better results for the same money, the expense is justified.

Would you like to know the methods and materials used on the famous golf courses in the United States? Would you like to hear how some of the really fine, though small, nine-hole courses are kept up?

Would it be helpful if you could ask and get an answer to almost any question you wish to ask concerning green-keeping?

Would you be interested in the opinions and experience of men situated as you are, who have nothing to sell and who do not care whether you like the answer or not?

These questions have been asked by a great many men who are serving on green committees and trying their best to get results, and the frequency of the questions has resulted in the formation of the Green Committee of the United States Golf Association.

This committee is designed to create the contact between all those interested. It is the "liaison officer," so to speak, correlating the green committees of the United States. It is to be the channel or clearing house through which useful information can be passed and the means by which coöperation between those interested can be induced.

As a business man you keep in touch with your competitors. You study their methods and watch their prices and costs. If one gets out something new, you strive for something better. Why not apply the same practice to your work on the green committee of your club? Let us have our trade bulletin and our trade association in our business of green-keeping.

The problems are common to all, and the desire, we believe, is keen to get results. The study of the practices and experiences of others is the only way the problems can be solved and the desires satisfied.

The Green Committee of the United States Golf Association has nothing to sell and no one to favor or disfavor. Buy where and of whom you please. The service of the committee is offered to you for the use you think it merits. The cost to you will be the cost of the service—no more, no less; no salaries, simply actual expense.

Do not understand that the members of the Green Committee con-

sider themselves omniscient. They do not. They are situated exactly as you are and wish and need this service as it is believed you need it.

The Green Committee does not intend to compete with the golf journals, which contribute so much to the pleasures of the game, nor does it wish to detract from the activities and influence of those interested commercially or professionally in the construction or maintenance of golf courses.

The plan contemplates the coöperation of members of green committees and those interested in the interchange of information that should be helpful in their work.

This appeal is for coöperation among the men in the United States who are serving on green committees, in the belief that all will benefit far beyond the annual cost.

Your active aid is solicited. Others need the benefit of your experience— or even your questions.

Will you help yourself and help others by taking a part in this work? Help by sending in your subscription today, and then help by your suggestions. Ask questions. Avail yourself of the service. The aim is to gain the coöperation of all interested, whether the clubs are affiliated with the United States Golf Association or not, in the betterment of American golf courses.

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## The Service Bureau

The functions of the Service Bureau are to furnish or to secure as promptly as possible information about any problems that confront a green committee or green-keeper, including seeds, fertilizers, weeds, turf insects and diseases, commercial sources of supply, identification of grasses, weeds, etc. It has the assurance of support to fill this function from a goodly number of scientific specialists. The more important questions, together with concise answers, will be published regularly in the Bulletin.

The bureau will at all times endeavor to have up-to-date information on sources of supply of seeds, fertilizers, and other materials used by green-keepers. Such information will be supplied only by letter, so as to avoid anything resembling advertisement.

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## First Meeting of the Green Committee

The first meeting of the Green Committee was held in Washington on Saturday, January 22, when all necessary details were completed to carry on its activities. In the afternoon the members of the committee were entertained by Dr. W. S. Harban, at the Columbia Country Club. Subsequent meetings of the committee will be held whenever deemed desirable.