

than those of omission. Golf courses can be easily overfed. A good green will remain good if the grass cuttings removed in the mowing are replaced in the form of a compost and well brushed in. Excessive alkaline fertilizers will bring up weeds and create a great expense in hand weeding. Excessive acid fertilizers may, on the other hand, accentuate brown patch and other evils. Beware of over-doctoring!

Use Birds and Animals

Before killing off birds and animals that appear to be doing harm to a course it is as well to make further investigations as to the possibility of them doing good.

Birds, for instance, that are pecking up greens are in reality helping to get rid of grubs, culworms, etc., which if left alone will do infinitely more harm than the birds.

In Scotland there are many golf courses kept by a greenkeeper and thousands of rabbits which are much better than others on similar ground kept by a dozen groundsmen.

In Britain there are seaside courses which have been ruined by killing off the rabbits. The amount of harm they do is infinitesimal compared with the good they do in keeping courses free from weeds and coarse grasses.

In conclusion I would like to emphasize the importance of lessening the cost of maintenance or having the best expert advice in regard to drainage, watering and other problems.

Make certain that your layout is final and that you will not in subsequent years be continually making alterations and so-called improvements.

The best advice is always the cheapest in the long run. Many clubs would actually save money by having their courses completely reconstructed and all of them would benefit by having expert advice once or twice a year to prevent them wasting their money in doing things that are harmful to a golf course.

John McNamara, Greenkeeping Expert, Dies at Pittsburgh

PITTSBURGH, Pa.—John McNamara, greenkeeper for the Pittsburgh Field club for the last 12 years and for the 16 years prior to that greenkeeper for the Pittsburgh C. C. which he helped to build, died here September 1.

McNamara, a capable and quiet man of

high achievement in his field, was born in 1871 in County Limerick, Ireland. He went to England when he was 20 and followed the profession of gardening until he came to Pittsburgh. John had been ailing for some time but made a sturdy struggle to get right by keeping his mind on his club work and on his duties as treasurer of the National Association of greenkeepers. He was one of the organizers of that body and served two terms as a vice-president. His widow and four children survive him.

Greenkeepers Set Feb. 4-7 As Louisville Show Date

SHOW committee of the National Association of Greenkeepers of America, headed by Fred Burkhardt of Cleveland, has set on February 4 to 7 as the time of the association's third annual convention and exhibition.

The exhibition will be held in the Armory, across from Hotel Kentucky. Program sessions of the convention will be held in a room in the Armory adjoining the exhibit space. This year the association hopes to be able to get the half-fare deal through with the railroads as a minimum of 150 registrations for reduced fare rates now is required by the transportation people against the 250 demanded at the Buffalo convention. Arrangements will be made by the association to handle the rebate applications so the boys will come to the show conversant with the procedure necessary.

Details regarding exhibition space may be secured from Chairman Burkhardt at 405 Caxton Bldg., Cleveland, O. Other members of the show committee are Grange Alves, George Davies, Lewis Evans, Victor George, Emil Loeffler, John MacGregor, John Morely, Walter Reed, Capt. David Rees and Herbert Shave.

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