should there be any? Plenty of clubs will be glad to donate a place in which to hold such schools.

Teaching Golf to the Masses

Once the classes are well under way the students themselves could be given opportunities to apply what they have learned by giving lessons under the coaching of the senior instructors.

This can be done by the clinic method just as in medicine or dentistry. Here in Boston, for example, we have an institution known as the Forsyth dental clinic. Those who cannot afford the services of private dentists can come here, and free of charge, their teeth are attended to by students of the Harvard dental school who do the work under the close supervision of some of the finest dental surgeons in the profession.

Our golf clinics should be thrown open to youngsters, to caddies and to players on high school golf teams who would be glad of the chance to have free lessons from student professionals under the expert guidance of the leading senior pros in the district.

What an opportunity for these young players! What a break for the ambitious lad who wants a real training as a golf instructor! What a fine challenge to the abilities of our best professionals—and, above all, what a splendid chance for the PGA to set up real standards of proficiency that would enable the clubs to get a line on the best golf instructors in the rising generation!

We have the men. We have the means. It seems to me the whole problem comes down to one vital question: Have we got the energy and the ability to work together to organize such a plan and to put it to work for the advancement of our profession?

WPA Offers Cut-Rate Instruction.—Group golf instruction at the modest price of 25 cents for 12 lessons, one of the latest WPA projects, is the subject of a recent piece by Billy Sixty, golf editor of the Milwaukee Journal who conducts the well known column, “Going Like Sixty,” in that paper. The lessons, which were offered by pros Tom Dobson and George Kinsman, Sr., in a downtown Milwaukee office building, got under way last January. The series was attended by a capacity enrollment of 600 from the beginning.
The Perfect Library for the 19th Hole
GOLF ITS RULES and DECISIONS
By RICHARD S. FRANCIS
Completely revised and rewritten and brought up to date.
"An excellent job of analysis and interpretation."—Innis Brown.
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SCORE CARDS
EXCELLENT THREE-COLOR QUALITY
$2 PER 1,000
First quality. Plus a brand new idea—pictorial golf lesson posed and edited by a top-ranking pro (Guldahl, Runyan, Snead, etc.) on back each card. For samples and details, write Pictorial Score Card Company, Inc., Dept. B, 26 Broadway, New York City.

Rains Hit Greenkeeper Hardest
By Peter Stewart
Greenkeeper, Lake Shore CC, Glencoe

THERE has been a good deal of effort employed to get golfers to play despite showers and to come out to the club right after cloudbursts that have left the course soaked. The club wants the patronage, the pros want the members' business, and the members want their sport. Vast improvements in drainage have made golf courses playable during, and after, heavy rains. Spiked overshoes, waterproof apparel and grip wax have made it possible for the players to go around in a fair degree of comfort.

However, there is one element of the golf army that doesn't enjoy this trend toward more wet weather play because serious problems are involved. The greenkeeper has plenty of headaches as a result of excessively heavy rains or floods. Too much water is worse than none at all. Last summer, in many localities, the heavy rainfall eased the financial load of operating the fairway watering systems, but kept greenkeepers in a constant campaign to correct the damages of play on soaked courses.

Frequent, drenching rains may pack a course so that the turf is seriously weakened unless conditions and finances permit extensive spiking.

Walking and twisting of feet on soaked tees hardens the soil and may kill the grass. Deep and wide, long divots are hacked out. In one day's play damage may be done that requires a week or 10 days for repair.

After a heavy rain we discover that the fairway divots are twice as large as the average. Footprints stay in the soft soil and cause bad bounces. If the sun comes out strong and there is a drying wind right after a heavy rain, the divot marks dry out quickly and resemble moulds.

FULNAME
BALL MARKING SERVICE

FULNAME ball marking service brings players into your shop, not just once, but frequently. Speeds up play on course by preventing mistakes, gives better supervision over caddies—and makes money for pros. Thousands of installations in this and twenty other countries. No club shop is fully equipped without FULNAME ball marking service. Write today.

THE FULNAME COMPANY
STATION O, CINCINNATI, OHIO
THICK, HEALTHY TURF — DEEP, STRONG
ROOTS WITH THE EVANS FAIRWAY HOE

How about your fairways? Your players spend most of their time and make most of their shots off fairway turf. The new

EVANS FAIRWAY HOE
will aerate and cultivate your fairway turf at rate of 40 acres a day with a tractor. Penetration of heavy duty prongs give full benefit of fertilizer and water.

Made to support heavy weight where heavily crusted soils must be penetrated. Adjustable to soil conditions and depth desired. It will answer the problem of fairway conditioning the natural, inexpensive way. Write for catalog and price list on

EVANS COMPLETE LINE OF GOLF COURSE EQUIPMENT

EVANS IMPLEMENT COMPANY
569-71 WHITEHALL ST., S. W., ATLANTA, GA.

When a few balls come to rest in these divot scars there are enough loud kicks to keep the greenkeeper worrying all through sleepless nights.

On the greens the aftermath of heavy rains is most serious. Wet, soft greens are dented by high approaches that half-bury themselves. After 40 or 50 of such shots a green that was in perfect condition becomes sadly pockmarked. Some spots in such greens must be plugged, or seeded and topdressed. It takes days to erase such evidence of an afternoon's hard use.

Then there are the golfers who must wriggle their spikes to get their putting stance. That jitter-bug footwork is deadly to putting surface and to the tender grass that has been carefully nurse to a superb, but delicate, condition.

The greenkeeper is accustomed to trying to achieve and maintain excellent golf turf under unnatural conditions. He knows that soil, when excessively soaked with water, should not be cultivated, or packed so its porosity is reduced. He knows that grass won't grow on soil that has been packed by the traffic of golfers.

But the greenkeeper continues to do his best, and to hope for a break, although realizing fully that he's up against one of the worst of the two-timing combinations of nature and the golfers who pay his salary. One break that he hopes for, is that the golfers will appreciate what the greenkeeper is up against.

Iowa Greenkeepers Told of New Putting Turf

The April meeting of the Iowa Greenkeeping Superintendents Assn. was held at Wakonda CC, Des Moines. Speakers were Prof. Pickett, head of the Department of Horticulture, Iowa State College, who gave advice on how to start turf experimental gardens. Prof. S. W. Edcombe, ISC extension horticulturist, gave all the information obtainable about turf gardens conducted by other experimental stations. Jack Welsh, pro-greenkeeper at Wakonda CC, showed what he was doing to get his usually perfect course in shape for the coming National Intercollegiate
golf meet. He answered questions in a round table discussion.

Clarence Yarn, Woodside, told about the great strength and durability of the new Atlantic City bent, which he is using on a public course. He claims it is one of the toughest and finest putting turf yet raised in Iowa. Announcement was made at the meeting of four new members having joined the organization: Jack Anderson, Ft. Madison CC; E. J. Holcombe, Walton GC; Bud Connell, Geneva G&CC; James Towhig, Mad Creek GC.

Make Your Course Famous
For Turf Health With
Less Time And Labor—
Use ROTOTILLER

FOR PUTTING GREENS that stay spring-time fresh and thriving all season long and for fairways, patch-free, evenly grassed and thriving, use Rototiller—you'll get these better results with less time and less labor.

ENGINE DRIVEN, fast revolving tines tear up the ground, doing the work of plow, disc and harrow, in one operation—doing it far better. Once over, it prepares a deep, finely pulverized, completely aerated putting green foundation—fertilizer worked in evenly from top to bottom—ready for planting. And there is no packing down as fast as it's loosened up, no hand-raking necessary.

EQUIPPED WITH "MAJOR BUTT'S GOLF COURSE DISCS," ROTOTILLER cuts clean, sharp, narrow slits in the turf, deep enough for ideal aeration, moisture penetration and fertilization. With field-mower attachment, it cuts the rough, 42 inches wide at 3 miles an hour. Otherwise, you'll find any number of jobs to keep your ROTOTILLER busy...eliminating quack grass, weeding, tilling and cultivating club-house vegetable gardens.

FREE BOOKLETS — Profusely illustrated. Please mention approximate areas of greens, fairways and cultivated ground so we can send correct information. Also, let us arrange a demonstration which takes but a few minutes. Address Dept. R-2.

ARTIFICIAL WATERING BENEFITS ARE MANY

By Robert Trent Jones

IT IS embarrassing to a designer of a golf course to see a player get home with a drive and a spade on a hole 450 yards long. Furthermore, it is not conclusive proof that the winner of a tournament would necessarily be the best under normal conditions. After playing over the Royal York course in the Canadian Open championship of 1933, Gene Sarazen said to me, "This would be one of the hardest tests of high-class golf in the world if it had a fairway irrigation system." Who is in a better position to utter such a pungent statement?

Irrigation can now be installed much more economically than was previously thought possible, the cost now being as low as from $10,000 to $25,000 for a complete system, depending upon conditions.

Why, then, should we gaze upon grass burnt to the crispness of toast? Besides the pleasure of seeing throughout the whole season the rich green turf that is expected only in the months of May, June and late September, artificial irrigation has other innumerable benefits.

Fairway irrigation makes turf operation independent of rainfall. If rain falls, artificial irrigation will heal the broken ground, germinate young seed, and foster young grass, resulting in a fine, firm turf free from criticism.

Seed After Water Installation

It is uniformly agreed that one good seeding is required after installing a fairway system, unless the grass is old and well established. After that, the annual cost of seeding will be considerably reduced. With less seed, less labor, and less tilling, the ultimate saving is substantial.

A uniform system of watering prevents gamble in applying fertilizer. Fertilizer may lie inert until a rainstorm comes along and produces the solution necessary to make the fertilizer into plant food. Now if the storm happens to be a cloudburst, creating miniature rivulets, fertilizer may wash into low pockets, making a concentration that is undesirable. The fertilizer is washed from higher spots where it is needed, and by accumulating in the low areas, the concentration may be too great and cause a chemical burn. A dependable
19 years of experience in growing

**BENT GRASS SEED**

and furnishing it direct to those who use it has produced hundreds of satisfied customers

Piper Strain Velvet Bent

Native Rhode Island Bent

Here is what our long experience in growing seed for fine bent turf means to you—

- It means that you are getting seed from its native source — New England. Seed that is grown under the rigid, variable climatic conditions of Rhode Island — acclimated to the hot humid weather of August and the severe freezing of hard winters.
- It means a growth of fine turf grass of beauty and texture that will meet every requirement of your most critical players and the exacting demands of thrifty maintenance.
- It means a thick, healthy growth from seed of highest purity and germination. Native grown Bent Seed doesn’t have to be nursed — it ‘grabs hold’ — requires only common sense handling.
- Get your Bent Seed from the same source that for nearly a generation has produced beautiful lawns and greens on the better golf courses of the Nation.

Save for your club and know the source of supply — buy direct from the grower

**KINGSTON  A. N. PECKHAM  RHODE ISLAND**

**Spray of artificial watering eliminates this condition and provides plant food in a quantity that stimulates a vigorous growth of turf.**

Turf on a fairway subject to regular watering recovers with amazing rapidity. The soluble food in the soil is made available to the plant through the water medium. The bare spots tend to fill in, removing that unsightly, spotty appearance that mars the beauty of a course as well as eliminating the cost of trying to grow turf on pieces of fairways that seem unable to make grass thrive.

Where clay soil is the prime factor, it is the general practice of greenkeepers to try to break up this undesirable condition by perforating, discing, spiking, scarifying and other mechanical operations, after which a quantity of humus is added, to try to get the soil in a friable condition. With uniform watering, the hardening and caking is decreased to a minimum and while the mechanical renovating of the turf is desirable, it is possible to cut it down to a quarter of what would ordinarily be needed. In addition, the plant finds it less difficult to thrive on a loose soil than on a tight, rock-like mass such as one finds in baked conditions.

Where sandy soil is the menace the treatment is to build up the soil by the aid of humus so that it will retain its moisture, which normally would leach rapidly through the open quartz grains of sand. Where a dependable system of irrigation is installed, the cost of such procedure is decreased, because an abundance of humus...
Loosen up your Greens if you want stronger, healthier grass. Let oxygen down into roots if you want greener and snappier turf. Aerate the ground if you want to prevent Brown Patch. Punch millions of holes for more moisture and better top dressing.

Save hundreds of dollars worth of fertilizers and fungicides with small investment in this fine machine. Only Spiker sold today with stainless steel spikes. Easily operated by hand or power. Extra weights for hard soil. Profitable investment for every Course. Write for literature.

McCLAIN SPIKER AND PERFORATOR

Let Air — Water — Fertilizer Down into Roots of Putting Greens

is not necessary. It does not take long until the turf is sufficiently luxurious to build up a root growth sufficient to retain its own moisture over longer periods.

Weeds thrive best under conditions which are unfavorable to the growth of good grass. Certain weeds love an overabundance of water which normally sours the soil. The solution of that problem is a question of drainage. But there are many tap-rooted weeds which can withstand drought better than grass. For that reason the grass becomes scarce and the weeds more abundant. With regular watering and plant food the grass will be brought to a stage where it can vigorously compete with the weeds and for the most part defeat them, causing the weeds to decrease and the grass to become lush.

Summing up, we find that rainfall independence through a watering system will lower seeding costs, improve fertilizer results, eliminate turf repair expenses, improve the mechanical condition of the soil, aid growth in clay and sandy soil, and eliminate weeds to a great extent.

Besides these factors we have the pleasure of walking over lush carpet-like turf that is restful rather than fatiguing, and enjoying the aesthetic value of looking at a uniform greensward. We may revel in the pleasure of playing a crisp clean iron and feel it drive through firm, sturdy turf, rather than skid in rock-bound clay or dusty sand.
newspapers. If the paper hasn’t a garden editor, consult the managing editor.

The greenkeeper’s practical pointers on lawn, flower and shrub development and maintenance make intensely interesting reading for the homeowner. Newspapers give this material strong treatment.

An interview with Joe Sawn, pro-supt. of the Ocean City GC, Somers’ Point, N. J., was good for 3 columns in a Jersey newspaper. The story gave a background of the scientific work that was being done in greenkeeping and interpreted major points for popular application.

200 Attend New England PGA Annual Dinner

MORE than 200 members and guests of the New England PGA attended the organization’s annual dinner which concluded the equipment showing at Hotel Somerset. The affair is a fixture in New England as a season opener and gets the boys started off full of pepper and high purposes.

Golf interest at higher point than ever before was reported by pro observers.


ATTENTION

Copies of Robert Hunter’s famous book on golf course architecture, “The Links,” are still available at the bargain price of 75c each. Send cash, check or money order to GOLFDOM today!
Golf club and ball manufacturers, at the recent
annual meetings of the two groups, elected officers
for 1939.

C. L. Gairoard, president of The Kroydon Co.,
Maplewood, N. J., was re-elected president of the
National Assn. of Golf Club Manufacturers, and in
the annual election of the Golf Ball Manufacturers' 
Assn., Lou E. Coleman, A. G. Spalding & Bros.,
Chicopee, Mass., was named to head the group for
the current year. William King, Wilson Sport-
ing Goods Co., was elected v-pres. of the club
manufacturers' assn. and A. W. Olsen, A. G.
Spalding & Bros., secretary. P. E. Young,
Acushnet Process Co., was named v-pres. of the
ball association, and E. E. Chapman, L. A.
Young Co., secretary.

Hillerich & Bradsby Co.,
Inc., now has a new com-
bination display unit for
women's clubs which is
being distributed to pro-
shops all over the country.
The particular display
unit for women's clubs pic-
tured here consists of three
woods—driver, brassie and
spoon — and seven irons.
The arrangement may be
changed so as to accom-
modate any assortment of
clubs, such as two woods
and eight irons, etc. The
company also has women's
display units that show
only nine or eight clubs.
This special H. & B. mer-
chandising for sale of
women's clubs has already
had enthusiastic response
from pros who have had a
chance to display the unit,
and they report consider-
able increase in sales of
women's clubs.

North British Rubber Co. has distributed an at-
tractive counter display featuring the North British
This is YOUR page

It is printed for your convenience when you need information and prices on any product used about a golf club. Whatever you want, you'll probably find it advertised in this issue. If not, tear out this page, draw a line through items wanted and mail to GOLFDOM, 14 East Jackson, Chicago.

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Arsenate of lead
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Drinking fountains
Dump carts
Fencing
Fertilizers
Fertilizer distributors
Flags (greens)
Green markers (practice)
Hole cutters
Hole rims (putting cups)
Hose, water
Humus (soil conditioner)
Insecticides
Irrigating equipment
Mole and gopher poisons
Mowers
Pumps (cap.)
Putting cups
Rollers □ green
Sand green equipment
Seythes (motor driven)
Seed □ fairway □ green
Seeders
Shelters (golf course)
Skeet layouts
Sod cutters
Soil screeners
Soil shredders
Soil testers
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Spill discs
Sprinklers □ □ fairway
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Weed killers
Weed killers

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□ Irons □ Matched sets
□ Putters □ Spoons
□ Women's □ Juniors'
Gloves
Grip dressing
Handicap □ cards
Hats, duck with visor
Movie cameras, projectors
Pencils, golf
Practice driving devices
Prizes
Rain jackets
Score cards
Shafts, steel
Sockettes
Trapshooting □ traps
□ shells □ targets

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Bath slippers
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Bars □ fixed □ portable
Bath towels
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Disinfectants
Kitchen equipment
Lawn equipment
Liquors □ gin □ whiskey
□ wine □ mixers
Linens
Lockers
Refrigerators
Rugs—runners for aisles
Showers
Shower mixers
(automatic)
Soda fountains
Water coolers

No. of holes?... daily fee or municipal?

By... Club Position

Address...

Please fill in below. Help us send GOLFDOM free to the right officials. 

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<th>GREEN-CHAIRMAN</th>
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Is liquor for sale at your club? ... Beer? ... Wine?
This all chemical Cool Food takes the worry out of making grass grow. As long as you are using Veg-e-Tonic you are assured of getting the most Nitrogen, Phosphoric Acid and Potash you can buy for your money.

Veg-e-Tonic is going to the four corners of the country in greater quantities each year to make finer all-season Greens. Big tournament Courses now swear by it. You'll like it too.

This clean, odorless fertilizer is easily applied, and most economical. Write for literature and free testing sample.

McClain Brothers Co., Canton, Ohio

If GOLF IS YOUR BUSINESS ... you'll find just what you're looking for in

THE LYTON BUILDING

Golf pros and those connected with golf in any way come first to the Lytton Building to do their shopping. That's because the Lytton Building, with far more golf tenants than at any other address, is the recognized golf trade buying headquarters in the Middle West.

The following golf concerns 'cashing in' on the drawing power, and the consequent greater business, of this location:

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National Golf Foundation
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The L. A. Young Golf Co. (Hagen)

Your Chicago office should be here, too! Let us tell you all the advantages of being in golf's most famous address — 14 E. Jackson Blvd.

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14 E. Jackson Blvd.
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* BENT GRASS *
BOTH SOD AND STOLONS
Vigorous, healthy stock that develops fine, true putting surfaces. Write for full information.

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Box 122, Redford Sta., Detroit, Mich.

CADDIE BADGES—We have a number of designs in metal. Circular on request. The C. H. Hanson Company, 303 W. Erie St., Chicago, Ill.

Builder of the world over. Other popular balls are the De Luxe at $1.00, the 50 and 35. Graham Johnston is the newly appointed General Manager of the North British Rubber Import Co. of America, Inc., located at 11 Park Place, New York City.

The North British Rubber Company is one of the largest manufacturers of rubber goods in the world. They have branches in 10 different parts of the British Isles and foreign branches in Brussels, Buenos Aires, Capetown, Copenhagen, Johannesburg, Oslo, Paris and Toronto.

The Burke Golf Co., Newark, Ohio, has gotten out a display card that appears to be a mighty clever and effective way of displaying a golf club. The pro or dealer merely inserts the grip end of the club through the two holes in the upper and lower portions of the card, and can either suspend the club from the card, put the club in a rack or lean it against something. Each way makes an interesting and attention-getting display.

Pros desiring to order, or re-order, some of these club display signs will receive them promptly upon writing the Burke company.

National Carbon Co., Inc., New York City, after four years of continuous work by chemists and