operation that exists in this district can be equaled anywhere.

"We made arrangements last year with the Michigan State Agricultural college at East Lansing to be allowed the services of its departments in our district. I took Dr. Tyson of the soil department to twelve of our leading courses this spring for consultation with the greenkeepers of the respective clubs. The green-chairman or golf course manager was also frequently present.

"It was generally agreed that a great deal of good was derived from those visits. Several clubs availed themselves of Dr. Tyson's services during the summer when their maintenance problems seemed un-

This is the uniform time ticket of greensmen in the Detroit district.

usually perplexing. I expect this college service to develop into the biggest improvement that can possibly happen to our District.

"We thought we would talk in advance about the troubles that might assail us during the golfing season, rather than wait and hold a post-mortem on them after the season was well over and our troubles behind us.

"The meeting with Dr. John Monteith of the USGA Green Section, held July 24 at the Detroit Golf Club, was well

WEEDS don't come too tough for Dolge Weed-Killer. Dilute this hard-hitting chemical in water and simply sprinkle—in your sand traps—in the rough to kill briars, thistles and nettles—on drives, parking spaces, walks, gutters and tennis courts. Use a 1-to-20 solution for the harder types of growth, and a 1-to-40 solution for ordinary growth. Dolge Weed-Killer penetrates the roots—gives a quick, long-lasting kill.

To eradicate dandellions and plantains on Fairways and approaches, fill the Hypocone with full-strength Dolge Weed-Killer—jab into each dANDELION—that's all. No need to get down on all-fours; one punch and out! Write for complete details—copy of 1937 Ground Maintenance Manual (just off press) on request.

THE C. B. DOLGE CO.
WESTPORT, CONNECTICUT

Answer this ad with QUICKMAIL No. 32
FOR ONLY $1.29 A GREEN

Down goes the price of Special SEMESAN, and away goes the last excuse for ever using anything but real organic mercury for brown patch control. Special SEMESAN contains two organic mercury's, provides dependable protection for your costly turf, yet may be used for as little as $1.29 a green, for one pound treats 6,000 square feet. Five lbs., $7.00; 25 lbs., $33.00; 100 lbs., $129.00—any golf supply house. Send Quickmail Coupon No. 29 for free Turf Disease Pamphlet.

BAYER-CMESAN COMPANY, INC.
Du Pont Building Wilmington, Del.
Also manufacturers of Regular Semesan and Nu-Green

attended by greenkeepers and green-chairman. Several golf professionals who are doing greens work or are interested in it, attended these meetings.

“We had a great meeting with Donald Ross on August 25. Ross not only gave an excellent talk but illustrated his talk with sketches on the modern trend in golf course design.

“The greenkeepers of our district hold meetings once a month during the summer. They discuss scald and bugs at one meeting, perhaps clover and weeds at another but always something constructive.

Hershey (Pa.), where Henry Picard holds forth as pro, some of the nickels of the kids and grown-ups that have gone for chocolate bars are re-invested in grand golf courses. This is part of a nine-hole, 2,314 yd. course Hershey has for juveniles—the only one of its kind in the world. It is for boys and girls from 7 to 18 years of age.
Sometimes the greenkeepers have a speaker of national reputation to address their meetings. An open discussion always follows.

"I attend many of their meetings during the summer and I am mentioning these things because I know that many of you haven’t discovered that the physical work performed by the greenkeepers of the district is the least of their contribution toward the maintenance of the many well-conditioned golf courses of our district."

Eugene W. Lewis, chairman of the Club Relations committee, has a long detailed summary of findings for the 1936 season. There was much new work on the golf courses in the district, increased memberships at most clubs more income from dues and initiation fees, and greatly increased clubhouse patronage. Professionals in the District also reported increases in income from lessons and a decided increase in club, bag and accessory sales.

**Play Averages**

59 Per Day

Of the 34 private clubs constituting membership of the DDGA, 24 gave replies to a questionnaire asking figures on annual dues, average daily play from April 1st to November 1st, etc. Fifty-nine players a day was the average play at the clubs answering questionnaire, and a trifle more than $100 the average club dues. Eight clubs will increase dues for 1937.

A great increase in play at the municipal and semi-public courses of the community was also noted. A profit of over $11,000 was shown for 1935 from the municipal courses, with increased profits for 1936. The exact figure was not available at the time of the report. Lewis attributes the free pro-lesson idea, sponsored in April and May by the Detroit News, as contributing greatly to the increased play on Detroit District courses. Over 2,000 people attended the final pro-lesson class at the Birmingham GC.

The Caddie Welfare committee of the DDGA was active during 1936. Caddie Welfare week, held for the first time from Sept. 7-14, proved a great success. Donations of suits, overcoats, jackets, sweaters, shoes, ties, hats, discarded golf clubs or bags were given the caddies by District member clubs. K. A. Moore, committee chairman says:

"In general, caddie training has been better, caddie rates higher, caddie funds larger and caddie golf more encouraged than ever before. The Detroit District Caddie tournament was held at Brooklands, August 3. Each club sent a team of six boys not over 18 years of age. Each

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**DEPENDABLE**

—and that means a lot!

Day in and day out! A watering system that never lets you down. The experience we have gained in twenty-three years of actual experience installing the great majority of fairway watering systems is your assurance of dependability.

We know that irrigation equipment is more painstakingly investigated than any other equipment used in modern course maintenance. And we know that accounts for the overwhelming number of BUCKNER installations.

We know all the answers in financing a fairway watering system at lowest cost to you, which includes the design of the system for your course, easiest and best source of supply—AND the problem of selling the membership on fairway watering, so—

**don’t experiment when planning fairway watering**

YOU CAN DEPEND ON BUCKNER

BUCKNER MANUFACTURING COMPANY

1615 Blackstone Ave.  418 North Broad St.

Fresno, Calif.  Elizabeth, N. J.

BUCKNER

Answer this ad with QUICKMAIL No. 24
caddie player was given a caddie and a good lunch. Over $100 was awarded in prizes.

"Caddie-member and caddie-lady events were played at most of the clubs. These are considered excellent builders of morale and should be encouraged. A District caddymaster-caddie event was held at Western GC August 31. A small entry fee was charged and suitable prizes awarded. Caddies of the Detroit District have had more done for them in the past year than ever before. The work, however, has all been along the line of improvement of caddie service; educating the boys to realize that caddying is a job not a lark. We hope the work has been noticeable; there is still room for improvement."

$39,000 Worth of Free Advertising

J. J. Ramsey brought his Publicity committee in for a share of glory when he reported the following:

"Your publicity committee, of which I have had the honor of being chairman for the past two years, is again pleased and proud to report not the average 10, 15 or 20 per cent increase in 1936 business—our publicity lineage jumped 33-1/3 per cent over last year; and last year was, in itself, a humdinger.

A glance at this book of evidence shows 75 pages filled to overflowing with clippings, every one of which can be traced to the source—our publicity committee.

"Let's measure this propaganda in terms better understood... 3,100 column-inches of space. This means 155 full newspaper columns (and headlines), or 19% full newspaper pages (with pictures), or 155,000 words in print, or sufficient words to fill three full-length novels.

"In dollars and cents (and you'll all understand this) had we bought and paid for this lineage at advertising rates it would have cost us the tidy sum of $39,000... plus our salaries for technical advice and creative abilities... or $78,000."

BEFORE pro merchandising comes a genuine spirit of service to golf and its players. The successful pro is primarily an evangelist of golf. When he converts men and women to the right idea of golf's pleasures and benefits, the pro has done the first thing to make himself a success. Selling clubs, balls, bags and other equipment follows in logical order once the true spirit of golf has been implanted.

A successful career in pro golf means being a true missionary for the game and not mainly a high pressure salesman with golf as come-on.—George Smith.
THE MEN BEHIND THE SCENERY

By Al Schardt

They write about the amateur, print pictures of the pro,
But the man you seldom hear about is there to run the show.
They never think to praise him when they get a perfect lie,
But when they miss a ten-foot putt they scream, “What ails that guy?”

They often don’t recall his name, to know what’s on his mind
Would still some comments caustic and explosions unrefined.
In the morning when you’re sleeping and playing great in dreams,
At work, and never thought of, is the man who keeps the greens.

The slumbers of his patient self were ruined for the night
As he laid awake and tried to plan his watering just right.
He tossed and thought of grubs and weeds, of costs and brown patch, too,
The greensman’s sure a lucky guy, with nothing much to do.

JOHN VAN KLEEK, golf authority who is supt. of the New York Park Board’s courses, makes a pertinent observation:

“The marvel of municipal golf course management is that the courses can break even, let alone show profits, when so many players can buy season tickets for $10 and play as many as 150 rounds a season. A little more than six cents a round for golf privileges is America’s outstanding bargain in sports.”

Pinehurst Influence to Be Found on Many Courses

ALL the dope seems to mark Pinehurst as the capital of American golf. There’s no telling how many clubs were organized in the early years of the twentieth century by men who brought the golf bug back to their homes from Pinehurst, but Donald Ross, presiding genius of golf at the famed establishment in the Carolina sandhills, has been architect of 600 courses, and that means the fine influence of Pinehurst is definitely on almost one out of every seven courses of any size in the United States.

Men in the advertising business, according to Ross, were the biggest factors in starting the golf boom. They’d come to
A POPULAR SWIM POOL
contains water that is actually "pure enough to drink"—water that is crystal-clear and kept in circulation by continuous passing through a purifying unit. Graver Units have given dependable service for many years in some of the country’s outstanding pools. They are easy and economical to operate, long lived.

If you are planning a pool, get the informative Graver book on Design, Construction and Operation of Modern Pools, sent free on request.

GRAVER TANK & MFG. CO., Inc.
New York, N. Y.
East Chicago, Ind.
Chicago, Ill.
Catasauqua, Pa.

A statistical survey shows that there are at least 5,100 golf courses in America. More than half of the greenkeepers employed on these courses have the experience and possess the ability to qualify them to successfully pass the requirements for membership in the NATIONAL ASSOCIATION OF GREENKEEPERS OF AMERICA.

Are You a Member of the N.A.G.A.?—If Not, Why Not?
This great organization must carry on, to right the wrongs that exist in our profession at the present time. It needs the cooperation of every greenkeeper in the profession.

JOIN NOW!
ADD YOUR WEIGHT to the growing momentum which is steadily carrying the objects and aims of this organization onward. Don’t feel that it is not necessary for you to become a member. The United States of America stands out as an example of what UNITY and COOPERATION means.

NO MAN GOES FORWARD WHOSE EYES ARE CLOSED OR WHO DOES NOT HEAR.

Unite with your brothers of the greenkeeping profession for its elevation, for education, for fraternalism, for success in your chosen line of endeavor.

FOR INFORMATION REGARDING MEMBERSHIP WRITE:
A. L. Brandon, Secretary, St. Charles Country Club, St. Charles, Ill.
Nicodemus — claimed to have been sold five times as a slave.

Demus used to claim that life had treated him pretty well. He saw the south as a stud in slavery days and was well fed and treated by masters who rated him as a good investment. The time between emancipation and the beginning of Pinehurst wasn’t any golden age for Demus, but he used to tell Donald Ross that being black boss of the Pinehurst caddies was an ideal way for a talented man to round out a career.

In obtaining soil samples for testing don’t take samples from the tops or bottoms of slopes; such samples won’t be representative.

GREENKEEPERS’ CONVENTION
(Continued from page 31)

applications of lead arsenate in topdressing.

Slides showing operations in growing seed of golf course grasses were used by H. F. A. North of the Green Section who gave a helpful address on seed selection and buying. The North address will appear in a later issue of GOLFDOM, as it contains much information on grass seed production methods that the greenkeeper will want to consider in buying.

Concluding the educational conference was a turf watering forum at which papers from successful greenkeepers in various sectors were presented. A large chart showing annual precipitation in inches and by months in different major cities was displayed on the speakers’ platform. Lengthier reports of these watering comments will appear later in GOLFDOM. Speakers and high spots of this interesting feature of the program follow:

Clarence W. Hazlett, pres. of Southern California Greenkeepers’ Assn.: Areas with underlying sandstone ledges require special attention and heavy watering. If they are high, there is danger of overwatering adjacent lower areas. Must be alert to weather and atmospheric changes. Each green a different watering problem every day. Use water cautiously during hot weather.

J. L. Haines, Denver CC: Winter evaporation brings courses into spring with soil dried out and root system in poor condition. Hence, soak course in fall through vitrified sewer pipes to which, at outlets,
KINGSTON
A. N. PECKHAM
RHODE ISLAND
for 17 years
has produced and furnished direct to golf clubs, parks, etc., different varieties of
Bent Grass Seed

This seed grown under the rigid climatic conditions of New England produces grass that
has built up RESISTANCE to the various fungus diseases prevailing in our northern
States. It is, of necessity, WINTER HARDY and makes a fine bladed, permanent, desirable
turf for your greens, lawns, etc.
We also furnish a FAIRWAY MIXTURE composed of 5 different varieties of fine turf
grass seed which produces a BALANCED closely woven turf on lawns, tees, tennis courts,
fairways, etc.

Purchase your seed direct from the farms where it is
grown and thus not only save for your club, but KNOW
your source of supply.

Use Quickmail Coupon No. 19 for further information.

are connected 30-foot lengths of 9 in. canvas hose. Use 1,500 gal. per night, split
into three heads which are used 12 hours a night and six nights a week. Course to
be covered with exception of tees, greens, banks and high spots handled by usual
sprinkling methods.

Chester Mendenhall, Kansas City: If watering is held off until late summer,
crab grass is reduced. If watering is
started early in spring crab grass has
tendency to crowd out bluegrass. Each
day fairways are carefully examined and
nightman is given list of numbered valves
to run. Watch weather reports carefully
and consider effect of hot, dry winds.
Watering practice depends largely on soil
conditions. Fertilizing program is vital.

Harold Clemens, Chicago: Fertilize well
and use water conservatively to maintain
natural balance. Solid turf reduces evapo-
ration. On heavier soils, major trouble is
surface drying from hot winds. Doubts
that watering produces clover problem on
properly fertilized fairways.

Emil Picha, St. Paul-Minneapolis:
Length of day, temperature, humidity,
cloudiness or sunshine, wind velocity,
rather than precipitation alone, determine
watering schedule. In Twin Cities most
rainfalls during the golf season occur to-
ward morning; so Picha considers revis-
ing night greens sprinkling plan to wait
and see if there’s a morning rain. With
golf season short in Twin Cities district,
watering for attractive color is good in-
vestment. Emphasized fertilizing in spring
with readily available fertilizer to control
crab grass.

Frank Wilson, Boston: Study water ab-
sorbing capacity of soil. Scattered show-
ers even in districts covered by one
weather station may seriously effect
watering conditions at courses in same
neighborhood. Danger in drainage to low
areas, bringing weeds. Increase fertilizer
requirements when fairway watering is
done. Thousand pounds of fertilizer ap-
plied in mid-September sharply reduced
crab grass.

T. T. Taylor, Long Island: Fairly defi-
nite determination of when to water is
biggest problem. Advises carefully main-
tained reports including date, areas wa-
tered, meter readings, water consumed,
daily cost, rainfall (in two columns), one

WHO'S IN HOT WATER
YOU or your members?
That important question can be decided right now by
installing an Old Faithful Heater.

Pays for itself in one season with
SAVINGS OF 25 TO 75%

We guarantee 1,000 gallons of hot water for
only 40 cents!

Write Dept. M for full details

OLD FAITHFUL HEATER CO., Inc.
1220 SOUTH MICHIGAN AVENUE
CHICAGO, ILLINOIS

Use QUICKMAIL coupon No. 11 to answer this ad

at club and the other as per weather bureau report. Avoid trouble of over-watering. Difficult to get averages on water supply costs. Get a rain gauge. Drill to use judgment in watering.

The conference concluded with an enthusiastic vote of thanks to President John Anderson for a vigorous and definitely constructive administration. The association voted to raise the national dues from $6 to $10 annually.

John Quaill of the Highland CC (Pittsburgh district) who long has been active in greenkeeper organization affairs, was elected president of the national body and provided with a cabinet of earnest, experienced men. The 1938 convention of the association will be held in Cincinnati. Consideration was given to a suggestion that the name of the organization be changed to the “American Greenkeepers’ Society,” but no conclusive action was taken.

The Greenkeepers’ convention presents the largest effective educational activity in the golf club operating field, and club officials as well as members may well rejoice that the size, spirit and definite technical contributions of the 1937 Greenkeepers conference and exhibit must forecast a great year in golf.

Social Security

(Continued from page 20)

filing of the 1936 return from January 31, to March 31, 1937.

There are additional credit provisions for the year 1938 and thereafter; but they are not of immediate concern.

Forms Required—Form 940 has been issued and is to be filed on or before January 31, of the year following the one reported on. The time for filing the 1936 return was extended to March 31, 1937. This form requires a simple statement of the amount of wages on which the tax is to be based and shows the computation of the tax. It is extremely simple and needs no amplification here.

The tax is payable either in full at the time the return is filed, or one quarter with the return and quarterly payments each succeeding three months.

State Unemployment Insurance Laws—

At the date of compiling data for this talk 36 states have enacted Unemployment Insurance Laws. Thirty-one of the states have tax rates as follows:

In 1936, .9% of total wages, in 1937, 1.8%, and in 1938, 2.7%.

Ten of the states require a contribution
by employees to the Unemployment Fund. Twenty-nine have “pooled” funds, which means that all contributions are put into one fund regardless of the unemployment experience in any one industry or organization. Others have funds segregated according to industries and to individual organizations.

Since the benefits are to be administered by the states, the determination of benefits will vary considerably; and that is too large a subject to take up in a paper of this type.

Payroll Forms—Payroll forms will depend upon the state requirements rather than upon federal requirements, since the federal tax is based upon total payrolls in a fairly simple fashion.

States may require a record of employment, both as to wages earned and as to hours; and for this reason it is necessary to have on your payroll sheets a column to show the hours the employee worked during each period.

In anticipation of future laws concerning minimum wages and maximum hours it is important to have this information at hand. Also for this reason, we advise caution in evaluating room and meals; for under minimum wage laws, we shall want an equitable value so that our help may qualify under the law.