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January, 1965
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GOLF COURSE SIGNS
by TAT
GOLF SIGNS
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ON THE AMERICAN MARKET

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50¢
Large, 6"x8" golf signs, 75¢ ea.
Self-fastening aluminum stakes, 25¢.

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golf signs are a product of 35 years of industrial
sign making know-how.
T A T golf signs are constructed of tough, dur-
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YARDAGE MARKERS
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TAT GOLF SIGNS
DUNEDIN, FLORIDA

Approximately a half million persons
attended the nine-day Exposition.
Leon V. St. Pierre of Longmeadow CC
was in charge of the GCSA exhibit. He
was assisted by Richard C. Blake, Mt.
Pleasant CC, Tom Blake, Oak Hill CC,
Lucien Duval, Chestnut Hill CC and
Herbert Berg, Pleasant Valley CC. Prof.
Joseph Troll and several students in his
turf management school at the University
of Massachusetts and the Longmeadow
CC’s Ladies Golf Association also partici-
pated in the exhibit.
An exhibit of the Massachusetts Lawn
and Turf Council adjoined the GCSA
display.

GCSA Convention Program
(Continued from page 30)
supt., Fairlawn CC, Akron, O.; Tom Bur-
rows, supt., Glencoe (Ill.) CC; and Rich-
ard Blake, supt., Mt. Pleasant CC, Boyls-
ton, Mass.
Quiz the Experts: Carl A. Bretzleff,
supt., Meridian Hills CC, Indianapolis,
Ind.; Marvin H. Ferguson, Texas A & M
University; Fred V. Grau, consulting
agronomist; O. J. Noer, turf-grass con-
sultant; Colin Smith, supt., Shaker
Heights CC, Cleveland, O.; Leonard J.
Strong, retired supt., Saucon Valley CC,
Center Valley, Pa.; James E. Thomas,
supt., Army-Navy CC, Arlington, Va.;
James R. Watson, director, agronomy div.,
Toro Mfg. Corp.

Friday, February 12
Morning Session
Theme: Information Cafeteria.
Course Design for Both Maintenance
and Play: Geoffrey S. Cornish, Fiddlers
Green, Mass.
Work Smarter — It’s Easier: Roger
Thomas, Jacobsen Mfg Co.
Electronics and the Supt.: Edward G.
Mohava, supt., South View CC, West St.
Paul, Minn.
1965 conference critique: John J. Spod-
nik, supt., Westfield CC, LeRoy, O.

Buyers’ Guide • P 135
Golfdom
Buying or leasing your own golf cart?

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For finest, trouble-free performance and minimum maintenance, choose a golf cart with a "Fluid Torque Convertor Trans-Axle" by Dura. This new, advanced-design Trans-Axle transmits power directly to the rear wheels—minimizes wheel slippage and consequent damage to turf. Chains and belts are eliminated... reducing power train maintenance and repairs. For information on golf carts (electric and gas) equipped with Trans-Axle.

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PARIS PRODUCTS DIVISION

DURA CORPORATION

PARIS, KENTUCKY

January, 1965
plant scientist, described how air polu-
tion affects turf and ornamental plants.

100 Attend MVGCSA Clinic

Approximately 100 supt.s., green chair-
men, club officials and turf supply dealers
attended the Mississippi Valley field day
held last fall at Westwood CC in St.
Louis. Visitors spent most of their time
checking plots on which fertilizer and
pre-emergence trials had been conducted
the previous year, and in observing Ber-
muda and zoysia selections planted on
clay soil with north slope exposure. An
experimental putting green planted in
three separate bents and one combina-
tion of bents in three different soil mix-
tures, also was inspected by those at-
tending the field day.

Bill Small of Malinckrodt described the
trace nutrient applications made on the
experimental putting green, and also dis-
cussed how the perennial spring “dead

spot” which has plagued Bermuda in the
St. Louis and Southwest areas can be con-
trolled with a product developed by his
company. Jesse DeFrance, now a con-
sultant with O. M. Scott, told of the
hundreds of headaches he had incurred
in years past in advising St. Louis supt.s
how to live through summertime sieges
of heat and high humidity. The third
speaker on the program was Jim Latham
of the Milwaukee Sewerage Commission.
Latham departed from the weed theme for
the MVGCSA meeting and brought his
listeners up to date with the latest re-
ports on the overseeding of Bermuda
fairways.

Tenth New Mexico Meeting

John A. Long of O. M. Scott Co.,
James R. Watson of Toro and Marvin
Ferguson, green section director for
the USGA, were the principal speakers at
the 10th turf conference, conducted in Oc-
tober, by New Mexico State U at Uni-
versity Park.

Long reported on new developments
in grasses, saying that tests on Texturf
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*All new the TROJAN 217 ... delivers nearly 40% more capacity ... and fits most golf carts ... with the same dimensions except 1-1/8 inch higher.

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The new Trojan 217 "Mileage Master," like the "170" and "190," features quarter-turn vent caps that reduce service time 75%. Write for complete details.

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January, 1965
10 (T-47) and Tifway continue to point to these Bermuda strains as being exceptionally well adapted for recreation as well as lawn areas. Jim Watson emphasized that grass actually has a precarious existence, considering that nature doesn’t intend for it to be cut as short as it normally is. As a result, moisture and fertility conditions have to be ideal or most strains won’t survive periods of stress. Ferguson decried poor planning in the installation of irrigation and drainage systems, which is in evidence at many courses throughout the U.S., and said that much of the trouble caused by pythium and other diseases last summer was due to the poor engineering of these installations.

**Michigan Report Published**

Michigan Agricultural Experiment Station, Michigan State U., East Lansing, recently published the “Michigan Turfgrass Report” which was compiled and edited by James Beard, turf researcher in the crop science department. The first article, dealing with turf varieties in Michigan, contains information of interest to a wide range of people, including supts. There are also articles on seeding rates and bentgrass putting greens.

**Tree Restoration**

(Continued from page 26)

the greens. Along another fairway that is bordered by apartment buildings, the Shaker Heights greenmaster has blended low lying evergreens, firs of medium height and tall trees into a panorama that subtly softens the harsh lines of the buildings. Surrounding the parking lot on three sides is an unusual hedge of hard maples that has been shaped by trimming the trees square across the top at a height of about 20 feet.

What Smith considers his masterpiece is located close to the center of the course. A high wire screen at the end of the practice range is hidden by a long line of poplars fronted by one red and one scarlet oak, planted about 50 or 60 feet...
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apart. Lombardies that are planted in line have a way of presenting a stately appearance, but the addition of the two oaks gives the scene an uncommonly beautiful illusion of depth that isn’t often captured. An arborist would undoubtedly agree that it is rare when anyone happens to contrive such an arrangement.

**And Flowers, Too**

The course beautiful theme doesn’t stop with the tree pattern at Shaker. While Colin Smith was being converted to becoming an aboriculturist he developed a great fondness for flowers. So, it wasn’t long before the clubhouse grounds and many out-of-the-way spots on the course were overflowing with color from spring until late fall.

As another step in the beautification of the Cleveland course, Smith started a project two or three years ago of raising sandtraps from their flat beds so that they are seen obliquely. He feels that supts. overlook many opportunities to improve the appearance of their courses by not doing this. Traps have an endless number of striking configurations, but these too often are not seen because the traps are buried at or below the grade level. It is only when they are embanked that the full character of the green is brought out.

**Lynn A. Smith Elected President of Southern California Golf Assn.**

Lynn A. Smith, president of Picco Industries of El Monte, Calif., was recently elected president of the SCGA. During the past year he served as vice-president and was chairman of the association membership and tournament committee. Smith succeeds Charles H. Laws, and has served on the SCGA board since 1956. He is a member of the Seniors Golf Assn. of Southern Cal and also is a director and secretary of the Calif. Golf Assn. and Calif. Dist. Chairman of the USGA Greens Section.

Other officers elected for 1965 are: Paul Giesser, vp; Dr. Wynn Fredericks, secretary; and Gordon Booth, treasurer.
likes and dislikes, his game, etc. and other personal facets may pay off hand-
somely. Everyone likes to be understood and appreciated.

Others who are seen frequently by the supt. are salesmen. They have their own
points of view which may not be fully appreciated by the supt. Their basic func-
tion is to sell but they must be capable of serving in an educational capacity. In
a large measure, salesmen in the turf-
glass industry have become an extension of the extension services of the universi-
ties. The difference is that the college specialist has nothing to sell but informa-
tion and service. By appreciating the point of view of the educated salesman,
the supt. can gain valuable knowledge concerning products and technics.

Do we understand the potential dangers of chemicals that we handle frequently
as a matter of course? I'm sure that we read the labels and note whether or not
the material is poisonous or dangerous, but do we really fully appreciate the
warnings? The National Safety Council reports these grim statistics for the per-
iod 1946 to 1960: a total of 524 deaths; due to arsenic 6; cyanide 41; chlorinated
hydrocarbons 85 (35 for DDT); fluorides 26; nicotine 50; organic phosphates 105
(73 for parathion); phosphorus and P-
compounds 211 (201 for rat poisons).

The turfgrass industry can gratefully
note that no fatalities were recorded for
mercury and mercury products which are
used in large quantities for disease control.

Seeks Dense Turf

Q. We seeded our new greens to a 50-50
mixture of Seaside and Colonial bent at 2
pounds per 1,000 sq. ft. We can't seem to
get the turf to fill in and make a dense put-
ting surface. What do you suggest? (Ohio)

A. You have furnished no information on
fertilization. It is possible that the grass is
hungry for nitrogen. Another factor is your
choice of grasses. Colonial bent is a bunch-
type grass that does not spread to form dense
turf as creeping bents do.

My suggestion is to treat these greens with
the hydroseeding technic to use one-half
pound of Penncross seed to 1,000 sq. ft. and
the suggested fertilizer. Repeat two weeks

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January, 1965
Which 2 Kinds of Golf Shoes?

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Most pro-shops can profitably carry only two lines of golf shoes. Pick any one of the many excellent heavyweights-with-heels—but be sure the other brand is Bowen. No sense in carrying two heavyweights when one will do—one plus featherweight, specialized, flat-soled Bowens.

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WILTON, CONNECTICUT: Pedersen Sales Company
In February:
CHICAGO: 2603 West Lake Street, Melrose Park
DALLAS: 938 Exposition Avenue

later. After that, maintain a high N level to encourage the grass to thicken. Be very sparing with topdressing for a couple of months. Make sure that the pH range is not limiting.

10-6-4 or Straight?

Q. We had soil samples taken from our fairway for tests at three different laboratories. Results were in agreement showing pH 5.6, very high phosphorus and very high potash. We will apply limestone to correct the acidity. One source of information recommends a 10-6-4 fertilizer; another recommends straight nitrogen. We have mostly Bermudagrass. What should we do? (Missouri)

A. The limestone is essential. With ample supplies of P and K in your fairway soils it is hard to see why you should apply anything but straight nitrogen. Eventually the levels of P and K will drop to the point where a complete fertilizer can be justified. Until that time you will get the greatest value for your fertilizer dollar in straight nitrogen.

Bentgrass Seeding

Q. We have used your suggested procedure for hydroseeding bentgrass seed with very good results. We seem to notice that we get quicker germination with hydroseeding than with ordinary dry broadcast seeding. Can you suggest a reason for this? (Indiana)

A. Research has shown that many seeds have substances in their seed coats that inhibit or delay germination. Soaking the seed overnight or washing the seed seems to remove the inhibitor. In the hydroseeder tank (spray tank) the seed is churned and agitated in a water-and-fertilizer slurry. This effectively removes the inhibiting substances so that, when the seed-fertilizer mix is sprayed on the prepared seed bed, it is ready to germinate at once. Records show that bent seeds often show sprouts in three days.

Chicagoland Golf Assn. Officers

Dan Taggart, Arlington (Ill.) CC, was elected president of the CGA at the November meeting of the association held at Long Grove (Ill.) CC. Fred Willey of White Pine GC was elected vp; John Coghll of Silver Lake CC was elected secretary; and George Gee, Sr. of Big Run GC was elected treasurer.

Second Pittsburgh Golf Show

The second annual golf show, sponsored by the Tri-State PGA, will be held in the Civic Arena in Pittsburgh, Mar. 12-14. Last year the show attracted more than 5,000 golf followers.