Use **YARDLEY K PIPE**

for a dependable water system

Yardley offers a complete service for designing, recommending and supervising the installation of your watering system.

You can have a long-lasting, dependable watering system, even on a modest budget. The ease and speed with which K pipe can be installed saves time and money. Reports show savings as much as 50% to 75% of ordinary installation costs.

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POSITION __________________________ CLUB __________________________

ADDRESS __________________________

CITY __________________________ STATE __________________________

11
Ohio operator reports on new Worthington paintless range ball:

"...your new paintless golf ball is the answer!"

He prefaced this statement by writing:

"The biggest single problem in golf range operation is finding a satisfactory ball, both from the cover standpoint and the paint standpoint."

And we particularly like his final statement (because we like orders!): "This new Worthington ball is it, and will be the only one to be used on my range now and in the future."

This operator has found, as have many others, that this new paintless ball is profitable! It eliminates painting problems entirely. And it has the toughest cover yet, plus plenty of life.

Try it on your range. It's available now with the name of your range and red or blue color stripe (permanently dyed into the paintless cover), if you wish. See your Worthington Representative or write us for details. Order now for 1959!
Beautiful Holmes
GOLF CLUB CARPET

CAN SAVE YOU MONEY!
...in replacement...in upkeep...in daily care.

New “Golf Club” Herald shows what it is doing for clubs everywhere!

GRIFFITH PARK GOLF CLUB
LOS ANGELES, CAL.

NASSAU COUNTRY CLUB
GLEN COVE, N.Y.

PGA CLUB
DUNEDIN, FLA.

Here’s a hot-off-the-press story of new beauty ... decorative appeal ... luxurious appearance ... and how you get these in abundance with Beautiful Holmes Golf Club Carpet. This folder also illustrates how this famous Quality 282 wool wilton is specifically woven to withstand the wear and tear of spiked golf shoes, and give you the lowered maintenance cost that will help keep your club operating expenses down.

and learn what clubs throughout the country have found out! On every page of this new folder you will see how clubs are benefitting by putting proved Quality 282 in pro shops, locker rooms, lounges ... throughout! Send for your copy now and see!

SEND COUPON

Archibald Holmes & Son
ERIE AVENUE AND K STREET, PHILA. 24, PA.

Please rush new “Golf Club” Herald showing installations and listing of 50 well-known clubs that have installed Beautiful Holmes Quality 282.

NAME __________________________

CLUB __________________________

ADDRESS ________________________ ZONE STATE ________________________

NOW IN OUR SECOND CENTURY OF FINE CARPET WEAVING

September, 1958
Plains (Mo.) CC changing its 9 greens from sand to grass.

North Little Rock, Ark., open first 9 of eventual 18-hole course at Burns Park which will be turned over to City Park Commission for operation when 18 are completed ... Jaycees have spent about $6000 in cash and 3,500 man-hours of work on the project ... Work and costs increased by vandalism ... Wood River, Ill., considering building muny course at Belk park.

Bob Smith, Charlestown W. Va. Gazette golf writer, credits Mike Koenig, pro-supt. and John Kirk, mgr., with tremendous improvement in Meadowbrook GC ... DuPont company financed improvements because much of play at Meadowbrook is by DuPont employees ... Leona and Elmer Klausing building 9-hole course near Ottawa, O.

Lot of laughs during locker-room discussions of the case of the New York Met district golf club member who sued his club to raise his handicap from 29 to 34 in accordance with USGA handicapping system ... New York State Supreme Court justice before whom the case was heard remarked that golf is a sport for gentlemen able to settle their disputes by
The new Lewis

FLEXIBLE

FIBERGLASS

FLAGPOLE

virtually

indestructible

Lewis BALL WASHER
AND TEE ENSEMBLE

NOW WITH NYLON BRUSHES.
New, improved Lewis Ball Washer really gives the ball a healthy, vigorous scrubbing. Now available with DuPont nylon brushes, that under testing, have shown no wear after a half million strokes of the Lewis "magic paddle". Tamper-proof, weather resistant and durable.

For a well-dressed course, see the complete ensemble which includes: washer (sporting a bright, new paint job), waste container, and data plate with interchangeable numbers.

Imagine! This Lewis Flagpole won't rust or rot. It's made of powerful fiberglass reinforced polyester. Year after year it will challenge the severest weather conditions.

Precious, well-cared-for greens get gentle treatment with these feather-light Lewis Flagpoles. They come in three lengths: 5 ft., 7 ft., and 8 ft. The poles are permanently molded in white and striped with a practically indestructible red epoxy plastic coating.

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THE CHAMBERLIN
Ko-lap-si Kart
TRADE MARK REG. U. S. PAT. OFF.

AUTOMATIC FOLDING ACTION
Lift Handle, Drop Handle, It Opens, It Closes

MADE BY WORLD'S OLDEST GOLF CART MANUFACTURER

NEW PRO LINES
New "Kolapsi Karts" to meet the medium and low priced buyer. No need now to let any sale get by. We can show you how to make sales with the finest line of high grade carts ever put out by a single manufacturer.

Send for full information with new catalog, new prices, new deal and new profits for you.

Price range $19.95, $22.95, $25.95, $29.95, $31.00 and $33.95 with nine breath-taking models to capture any sale.

2 GOLF BALLS
GUIDED SPOOK
and
GENE CROWE

We can supply a limited number of outlets with two liquid center high compression balls that are sensational in looks, boxing, and price. Also in bulk for that grab box. Send for information.

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Rush catalog of four Kolapsi Kart models and Tuffi Tubes □ Rush Information on new low priced models □ Golf Balls □

Name
Address
City State
Club Position

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lockerrroom discussion. Theoretically golf is exclusively a gentleman's game but the handicap systems and rules show considerable authoritative study has been given to the protection and punishment of cheating. Golfer who went into court to retain higher handicap that club lowered because of "remarkable" play in tournaments, later called off suit.

Rolling Ridge CC building 18-hole course in suburban Cincinnati intends to have game preserve for hunting on its 700 acres. Mark Mahannah designed 18 holes for Honey Hill CC now being built at Carol City in Miami, Fla., area. Surprenant National G&CC, Bolton, Mass., which extends from 6,055 yds. to 8,005 yds. with 5 sets of tees, nears completion.

Thru July 27 the 5 public courses of Westchester County, N. Y., had recorded 131,492 rounds for 1958. About 10,000 rounds ahead of corresponding period in 1957. Washington, D. C. Park and Planning Commission talking of building course in park property near Indian Spring CC. Park commission Glenbrook and Sligo courses, both heavily played, will be used for road construction.

Bristol (Va.) CC to build new course and clubhouse and sell home sites bordering course. Many clubs regretting they didn't retain home sites they could have sold to pay for course property, building and much of clubhouse cost. Older clubs that are selling present property for real estate development and moving to new locations are getting enough land to finance construction by sale of home sites. Newer plans also have adequate and convenient practice facilities which older clubs often lack.

Stowe (Vt.) CC to enlarge from 9 to 18 holes with plans by Robert Trent Jones. Lake Region GC plans to build course between Winter Park and Haines City, Fla. Talk about building 9-hole course as feature of resort in Porcupine State Park in Upper Peninsula of Michigan. Hiram Brown, owner of Beverly Hills course in Detroit district, is building 18-hole course at Romeo, Mich. Lake County CC, Lakeview, Ore., being built on membership payment plan of $120 and plus 25 hours labor.

Groups planning to build courses in several smaller towns have started by building practice ranges, often with lights. Ranges are effective in stirring up golf interest and selling memberships.

(Continued on page 59)
Now! "Pivot-Power" steering on the new TORO Professional*!

Now a squeeze of one of the hand levers is all it takes to turn the mighty Toro Professional quickly to right or left. Slight finger pressure steers it along a gentle curve. Tighten the fingers a little more and you can spin the machine around on its own axis. No other reel mower of its size can give you such remarkable handling ease.

Think what this means in terms of time and money! Your "Pro" can be operated continuously at higher speed—since there's no need to slow down to make turning easier.

Less wear and tear on the operator, too, and that means increased efficiency, better results.

Yet the "Pro" is more than merely quick on its feet. It's flexible—adjusts to soft or hard grounds, easy to handle and powerful—9 hp engine gives power to spare.

Better see it before you invest in any big mower. Or drop us a card and we'll have your nearby Toro distributor show you on your own grounds how the "Pro" can pay for itself in the first year of operation!

*A registered trademark of the Toro Mfg. Corp.
Would Modernize Design

Architect Calls for Re-Examination of Golf Course Construction

By Charles B. Schalestock
Golf Course Architect, Washington, D.C.

THIS fall there again will be programs of mistakes conducted at courses in the hope of correcting previous mistakes in course design and building.

This past summer, as in previous summers, at least a third of the troubles in green and tee maintenance was the result of bad construction or design. The percentage of bad greens due to original sin in building probably was higher, but by conservative estimate a third of the trouble was due to improper building and the other two-thirds to errors in management, lack of money to do the required work properly at the right time, adverse weather and the mysterious, inevitable bad luck that happens in golf course maintenance as it does in playing golf.

That gives you the operating picture as it is at the better courses among the 5,700 in the United States.

This year there probably will be a slight increase over the maintenance costs of last year even though labor, in many districts, was easier to get.

The Horwath and Horwath figures of golf course and grounds maintenance costs in 1957, based on the accounting firm's studies of 52 clubs ranged from $1887 per hole average at the small clubs to $2767 at the large clubs. The ratio of gross maintenance cost of course and grounds to membership dues ranged from 40.5 per cent at the small clubs to 26.3 per cent at the large clubs.

How much of those costs were course and how much grounds, nobody knows. Superintendents themselves rarely have any close accounting division between course and grounds.

But the over-all figures show that golf costs a lot of money. That is a conclusion the superintendent regrets to reach because he doesn't get any too much of what golf costs, although labor costs of maintenance of good courses range from 65 per cent to 75 per cent of the budget.

Golf also costs a lot of time. How much of the 4- and 5-hour rounds are due to bad habits of players and how much to defects in design is a subject for examination and argument. Certainly slow play is a factor in increasing the cost of golf.

Golf is due for an extensive and intensive self-examination.

Some of the answer such an examination would bring forth already are known to the experienced businessmen in golf. For instance; they know that the architectural revisions that will be made by Green committee chairman and members this fall will be unsatisfactory and a waste of money about 4 times out of 5.

Penny Wise, Pound Foolish Clubs

They have seen innumerable cases of clubs whose officials have said they couldn't afford competent architects eventually spending many times the cost of a first-class architect's services in redoing a bad job.

These experienced golf businessmen have seen thousands of dollars spent in efforts to correct what could have been built properly at the cost of a few hundred dollars over the amount allotted.

The alteration and correction projects at golf courses also are handicapped by usually being capital improvement work added to the normal program of golf course maintenance.

Probably the policy and practice of course alterations will continue on the illogical and wasteful basis at the major-
ity of clubs even though the better operated clubs are making use of expert and economical architectural service in their remodeling.

One sign of progress in golf business is seen in the power given architects in the planning of the new courses, especially those courses that are part of a real estate development project.

**Architect’s Many Responsibilities**

The architect now has to be the artist primarily, then the engineer, builder, agronomist, management consultant and budget officer on the job. If he isn’t the rare and versatile genius who is master of all these jobs he’s got to have the cooperation of specialists and an over-all working knowledge of the various phases.

The truth is that the golf architect usually is hired and works under the control of enthusiastic but technically unqualified men in planning a golf course.

For that reason mainly there are comparatively few really outstanding golf courses in the country. I have heard of only one 9-hole course in the U. S. referred to as a fine exhibit of golf architecture. That was a course in Kansas which now has 18 holes.

The golf architect is the key man in a critical period in golf history. His artistry, his building talent, his ability as a market analyst and his capacity to psycho-analyse the golfers are going to determine, to a great extent, how far the game will grow and how fast.

There are some indications that golf architecture has been misguided to cater to the whims of the low handicap golfers who pay a very small percentage of club dues and to solicit the approval of tournament professionals who pay no club dues at all. How far that mistake has figured in making courses unduly long and tricky, hence slower to play, is something to consider in modernizing golf course design and construction on a soundly attractive and economical basis.

Easier maintenance, yardage variation is provided for in this type of tee.

Something else that calls for paying more attention to the architect is the choice of a course site. The advice of a competent architect on property to be bought for a course can save many times the architect’s fee. The way in which property lends itself to a fascinating test of all classes of golf, the nature of its soil, its drainage, its scenic character or possibilities and its possibilities for economical construction and maintenance are factors the competent architect appraises in his inspection of a prospective golf course site.

And then comes the sound planning. Inadequate and inaccurate drawings and specifications account for millions of dollars wasted in golf course construction.

The golf course architect makes thrifty use of construction and operation funds by his expert advise on location of all buildings, roads, parking lots, swimming pools, tennis courts, service areas, etc.

There are styles in golf architecture and in course adjuncts. How many of the great older clubs have had to devise makeshift practice areas because the style of golf architecture didn’t include practice tees when the courses were designed?

Sounds architectural style is a development that contributes to more interesting golf and to economical maintenance and eventually becomes almost standard, subject, of course, to individual interpretations.

**Schalestock Tees An Advance**

As a course superintendent, course builder and architect I have figured in some of the developments that represent progress in design for pleasant and testing playability and thriftier maintenance. Possibly most immediately and widely useful is the diagonal tee design I used in altering course design to reduce danger to players.

This type of tee shown in the sketch keeps foot and machine traffic to a minimum, provides for a yardage variation (Continued on page 51)