FOR CASH REGISTER ACTION...

THE SPARTAN GOLF CAR!

MADE AND SOLD EXCLUSIVELY BY SPARTAN ENTERPRISES

You get more — and you EARN MORE — from every dollar invested in Spartan Golf Cars. Two years’ testing under severe conditions proves that aircraft-type construction and craftsmanship really pays off — at the cash register!

CHECK THESE FEATURES:

- 7 hp powerful gasoline engine with starter-generator combination
- No battery recharging
- A real hill climber . . . no turf tear . . . no wheel spin . . . no gear shifting
- A golf car designed for golfers’ pleasure and club management profit

Spartan Enterprises specializes in Fleet Sales

WE HAVE A FINANCING PLAN TO MEET YOUR REQUIREMENTS

Write today for descriptive literature, specifications and prices.

SPARTAN ENTERPRISES, INC. P. O. BOX 8278, DAWSON STATION, TULSA, OKLA.

March, 1963
Speakers at the first forum of public course administrators, held in conjunction with the GCSA show, were (l to r): Guy Bellitt, Southern Cal. PGA; Charles Pinney, El Centro, Calif.; Bill Sherman, National Golf Fdn.; Gene Reid, Tucson, Ariz.; Don Makie, San Diego, and Dick Sincerbeau, Flint, Mich.

moting longevity among employees: Tell them what is expected of them; Don't withhold praise or a raise; Try to develop versatility among the men in your crew; and, Always be on the lookout for latent ability.

**Matter of Adjustment**

Art Snyder, a transplanted Pennsylvanian who moved to Arizona about eight years ago, said there is quite a difference in eastern and southwestern maintenance practices. When a fellow makes the move, said Art, he has to quickly learn how to adjust to 120 deg. temperatures, lack of rainfall and constant play or it won't be long before he is heading north again. The soil situation, too, can be puzzling because there is a great variety of it. None of it is promising because of its sticky, sandy or salty makeup.

Yet, said Art, fine and common Bermuda grasses can be grown in the desert country if a supt. sticks to the rules. Seaside and penncross are proving themselves, although the latter produces no better than a fair root system and still is pretty much in the test stage. But bents, Art concluded, have on advantage over Bermuda: they aren't nearly as susceptible to disease.

**Putnam's Sunken Garden**

Ken Putnam described a wholesale re-sodding job that is now going on at his Seattle GC. More than 50 acres of fairways have been completed and there are nearly that many that remain to be worked over. The course was built on virgin timberland and the depressions left by removal of tree stumps never were properly compacted. In recent years the place had become one big sunken garden.

Using film, Putnam showed how a supt. tackles a project of this kind. Great quantities of rock had to be removed, topdressing hauled in and concentrated doses of lime and fertilizer applied. The sodding operation is carried out with the aid of a fork lift and large pallets on which 1½ in. sod sheets are piled in 12-inch decks. It is possible to cover from one to one and one-half acres in a week. The original cost of the project was $500 an acre, but as Putnam and his crew became a little more adept at the work, they reduced this to about $450.

**Stolon Planting Methods**

Ray Jensen, who started the Southern Turf Nurseries about 12 years ago and has made important contributions to the development of Bermudagrass, used slides in illustrating planting methods. A stolon planter with a single roller and double-row cutting discs that his firm developed, is capable of sowing 8 to 10 acres a day with an eight man crew. The front disc is heavier than the back one to insure pressing the stolons deep into the soil, and when the soil is hard to penetrate, weights can be attached to the machine.

Jensen told how he once experimented with a tobacco planter in laying stolons, but it was so unwieldy that his crew could cover only two acres a day with it. He unwisely stayed with the machine in handling a stolonizing job for an entire course and is still writing off the loss. That was the last of experiments of this kind.
It's unanimous... Certain-teed "K&M" is OK! Above (kneeling, l to r) Joe Tagnon, Golf Course Superintendent, Ashbourne Country Club, and Al Crebb, President, Farm & Golf Course Supply Company; (standing, l to r): Ed Hennessey, Certain-teed Sales Representative and Martin Sharpe, Chairman Greens Committee, Ashbourne Country Club.

"WE'RE 100% SOLD ON OUR IRRIGATION SYSTEM OF 'K&M' ASBESTOS-CEMENT PIPE!"

Ashbourne Country Club in suburban Philadelphia is among the latest of the fine clubs that are headed for big savings and finer irrigation with Certain-teed "K&M" Asbestos-Cement Irrigation Pipe.

Golf Course Superintendent, Joe Tagnon reports, "We're impressed at how smoothly the whole job was installed." And Martin Sharpe, Chairman of the Greens Committee adds, "The grounds weren't scarred up with a lot of heavy equipment and we have tremendous capacity of water from a new system that is in the ground to stay!" That's true! With "K&M" Asbestos-Cement Irrigation Pipe you can forget rusting, flaking or clogging. This pipe is top quality asbestos cement!

Certain-teed "K&M" Asbestos-Cement Pipe is easily handled... and quickly joined with the exclusive "K&M" FLUID-TITE® Coupling that is life-time tight while allowing a 5° deflection at each joint. Lines can be readily shunted around trees, traps and other obstacles. The higher the water pressure the tighter the coupling, which also shrugs off the most obstinate roots.

Spring, Summer or Fall!

ARDCO ROTO-WERL SPREADERS
are the finest of all!

MODEL AG-1
Spreads up to 35 feet wide!

MODEL TD-1
Spreads up to 12 feet Wide!

BARO-SPREADER
MODEL B-1
Spreads up to 5 feet wide!

ARDCo
ROTO-WERL
SPREADERS
WEST POINT, PENNSYLVANIA

For hand planting, the Southern Turf owner recommends spotting the stolons about 18 inches apart. Whenever a stolonizing job is undertaken, whether by hand or machine Jensen suggested that these things be kept in mind: The bed should be well cultivated; a generous application of quick-acting fertilizer should be made; a weed control program should be started immediately; and post-planting irrigation should be on the heavy side.

Maintenance in Mexico

One of the convention’s prize speakers turned out to be Carlton Gipson, a one-time Texas soil scientist who, two years ago, moved south of the border to supervise the maintenance of a Mexico City course. Gipson said that the art of greenkeeping is still in its infancy in Mexico. One of the drawbacks, paradoxically, is

Turf Dates

Mar. 27-29 — Ontario Agricultural College, Guelph.

that a supt. has too many men to supervise. Courses may have as many as 40 to 85 grounds employees.

They constitute a formidable hand-weeding crew, but they don’t understand the intricacies of machinery and find more ways to throwing it out of adjustment than an army of master mechanics could hope to correct.

Courses in and around Mexico City generally are good ones but the same can’t be said of those in the outlying areas. Fifty per cent of the country, Gipson pointed out, is arid or semi-arid and there is also much alluvial clay. The various Bermudas are best adapted to the Mexican soil, although bents such as Seaside and Penn-cross could survive in the central part of the country. Poa, however, thrives and has a tendency to crowd out bentgrass, and for that reason it is intensely cultivated. Mexico’s answer to crabgrass is elephant grass.

Gipson said that seed, much fertilizer, and replacement parts for machinery have to be imported. A fellow has to develop a sixth sense in ordering these things for enough ahead to have them on hand when they are really needed because it takes a

(Continued on page 167)
it's compact...rugged...maintenance-free
and look at the low cost!

New for 1963
the thrifty $17.95

TROJAN
BALL WASHER

Out-cleans other models...Out-lasts 'em
...out-features them. Yet it's priced at
a budget-pleasing $17.95.*

It's amazing that somebody didn't come up
with this jewel years ago. Simple, compact,
maintenance-free, rugged...AND we believe
it OUTCLEANS 'EM ALL.

This washer really scrubs! While ball
rotates, 80% of surface is constantly in
touch with six super-stiff brushes.

Case is heavy extruded aluminum with
rich blue hammerloid finish. Plunger moves
smoothly - can't bind, can't stick, can't pull
out. And if brushes ever need replacing,
it's quick, easy, inexpensive.

STANDARD
Manufacturing Co.
Cedar Falls, Iowa
Yours to show FREE, exciting films in color

Now—Let the world's greatest golfers help you to banish off-night doldrums at your club.

Nothing draws members in, when they can't go out on the course, like these exciting matches from TV!—Champions like Littler, Player, Nelson, Casper meeting the challenge of 11 of the world's greatest courses, from Scotland to Hong Kong!

Each match available free on 1-hour, 16mm sound film, featuring thrilling close-up coverage of key plays and canny commentary by Gene Sarazen on the thinking side of every game. (Ten of the matches in beautiful full color.)

Pick the dates when business could stand a little boost at your club, then choose, from the list at the right, matches you'd like to invite your members to see. Films will be lent to you absolutely FREE, except for return postage. Simply send your request to Shell Oil Company, Room 4154, 50 West 50th Street, New York 20, N. Y.
## SHELL'S WONDERFUL WORLD OF GOLF

<table>
<thead>
<tr>
<th>COURSE</th>
<th>COMPETING PROFESSIONALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Wentworth (London)</td>
<td>Jerry Barber, Dai Rees</td>
</tr>
<tr>
<td>Banff (Canada)</td>
<td>Jack Burke, Jr., Stan Leonard</td>
</tr>
<tr>
<td>St. Andrews (Scotland)</td>
<td>Gene Sarazen, Henry Cotton</td>
</tr>
<tr>
<td>Kasumigaseki (Tokyo)</td>
<td>Bob Rosburg, &quot;Pete&quot; Nakamura</td>
</tr>
<tr>
<td>Pine Valley (U.S.A.)</td>
<td>Gene Littler, Byron Nelson</td>
</tr>
<tr>
<td>Olgiata (Rome)</td>
<td>Ken Venturi, Ugo Grappasoni</td>
</tr>
<tr>
<td>Royal Melbourne (Australia)</td>
<td>Gary Player, Peter Thomson</td>
</tr>
<tr>
<td>Jockey Club (Buenos Aires)</td>
<td>Mike Souchak, Roberto De Vicenzo</td>
</tr>
<tr>
<td>St. Cloud (Paris)</td>
<td>Jay Hebert, Flory Van Donck</td>
</tr>
<tr>
<td>Royal Hong Kong</td>
<td>Ted Kroll, Chen Ching-po</td>
</tr>
<tr>
<td>Gavea (Rio de Janeiro)</td>
<td>Bill Casper, Jr., Mario Gonzales</td>
</tr>
</tbody>
</table>

*Black and white*
Green Chairmen Forum at GCSA Convention

Clubs Drag Feet In Seeking Relief from Excise Tax Burden

Where the money will come from to pay for the increasing demands and costs of golf was a major concern of green chairmen at the forum held for them during the GCSA conference in San Diego.

Emanuel Levy, green chairman, Brentwood CC, Los Angeles and chairman of the forum, pointed out that only 1,703 of the 6,521 conventional courses in the U.S. are private 18-hole clubs, and that there are 3,618 9-hole clubs, leaving 2,903 18-hole courses in private, semi-private and public operation. Levy remarked that the tendency is to regard all golf clubs as having the financial character of the richest private clubs instead of regarding the golf business picture factually. The Brentwood official has extensive interests in bowling establishments and from that experience contributed the warning that golf examine its business position with caution as well as with optimism.

Asks Drive for Fair Taxes


Hathaway was one of those few who has spent his own time and money in going to Washington and lobbying for a fair tax load on clubs and members. He noted that country and city clubs, horse and dog tracks, pay 20 per cent excise taxes. Night clubs, furs, jewelry and toilet articles pay 10 per cent tax. Golf and city clubs, rather than the ways and means committee of Congress, he said, are to blame for continuance of the 20 per cent tax load. The clubs haven't put up any sort of a case for themselves, individually or through their associations, in getting the tax burden reduced.

Clubs rode as freeloaders on the CMAA tax relief campaign begun by former CMAA president, Dick Daley, and oper-
HILL'S Progrip

America's finest golf gloves and head covers

Manufactured by C. M. Hill Co., Peoria, Illinois; available only through authorized distributors

Ask your distributor
LAKE LINDA
PEAT MOSS and HUMUS CO.
R. D. #1, Dalton, Pennsylvania

For healthier, longer-lasting
greens, tees and fairways
use scientifically prepared
LAKE LINDA PEAT AND HUMUS

Call us before you buy — and save
TELEPHONE: area code 717, LOCust 3-6771, Dalton, Pa.

ated by the CMAA Executive secretary
and its tax counsel and lobbyist, Slowinski. After observing the weakness of the
clubs' effort in Washington, Hathaway
and others organized the National Club
Assn. to specialize in matters pertaining
to taxes and other legislation.

The National Club Assn. is a non-profit
organization with office at 1028 Connecti-
cut ave., N.W., Washington 6. Golf club
and association officials will be sent de-
tails of the NCA organization, plans and
dues, upon request.

A New Big Business

Herb Graffis, GOLFDOM editor, ob-
served that golf now is really two games:
one the game played for fun by about
6,000,000 Americans who spend all but
a very small fraction of the amount an-
ually spent in the game's big business.
The other game is that of tournament and
exhibition golf built upon the interest and
support of the ordinary players. There is
a tendency to confuse the two games, he
noted.

The result is that expensive course con-
struction and maintenance are carried on
for low handicap amateurs who pay a
small percentage of the costs, and for
tournament professionals who pay no ini-
itation fees or dues whatever. This tenden-
cy also appears to be evident in official
concern about ball distance, Graffis re-
marked, and added that he had not heard
of any alarm about ball distance being
voiced by average golfers.

The old and the new in golf course
maintenance, Graffis continued, were
pretty clearly separated by 2-4-D, which
inaugurated the chemical control era in
turf management and, in general, a sci-
entific attitude in operations on the part
of the supt.

Graffis said that the golf car and bag
cart have brought a new era into the golf
business. He expressed the belief that the
day of extravagant clubhouse construction
has ended. GOLFDOM'S editor remarked
that the most progressive people in the
golf business are those who look at the
duffers as their Number One source of
support.

Border Looks Ahead

Elmer Border, veteran supt at Las Po-
sas, CC, Camarillo, Calif., viewed course
maintenance progress as being somewhat
handicapped by the long life of main-
tenance equipment. He believes that if man-