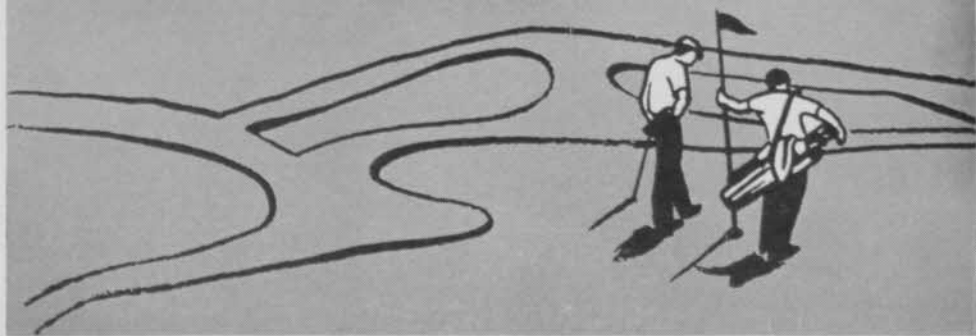


Why not green fairways?...



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.

Yardley K pipe is made of high-tensile, high-temperature Kralastic material. It can't rust, rot or corrode; it is light weight — about 1/8th the weight of iron pipe — yet offers up to 40% less friction or pressure drop.

Let us estimate your requirements.

MAIL THE COUPON TODAY.



YARDLEY PLASTICS CO.
142 PARSONS AVE. • COLUMBUS 15, OHIO

YARDLEY PLASTICS CO.
142 Parsons Avenue
Columbus 15, Ohio

Please send complete details on Yardley K Pipe

NAME _____

POSITION _____ CLUB _____

ADDRESS _____

CITY _____ STATE _____



Garage at Olympia Fields is of concrete block, one of three at club. Members paid \$350 per stall to underwrite construction. They pay \$20 per month for maintenance and electricity.



Elmwood CC, White Plains, N.Y. has just completed 20-car garage for club- and member-owned cars. Side windows and roof vents give ventilation. Garage can be easily expanded.



Garage at Tamiment CC in the Poconos (Pa.) is of redwood and is extension of pro shop and locker room. Two rows of cars are parked in it.

Utility type building at Lakeside CC, Houston, Tex., is constructed of galvanized sheeting. It has large capacity, is quickly expandable.



Garage at Idlewild CC, Flossmoor, Ill. is of a square U design with 12-ft. center aisle and sliding security door. Area is lighted at night to discourage theft or vandalism.



Quonset type garage houses cars at the Country Club of Lincoln, Neb. It is made of aluminum sheeting and is located next to club's maintenance building.

Some Facts About Charger Installations

Electrical wiring for golf cars should be adequate to carry the load of all the battery chargers in the fleet operating at one time. This load can be calculated by an experienced electrical contractor if he refers to the data plate on the battery charger.

He needs to know, of course, how many chargers are to be used on the circuit. The original installation should always provide for possible expansion brought about by the addition of more cars, the addition of night time illumination or possible power service equipment which might be desirable in connection with car maintenance. This could include an air compressor, an electric water heater so machines can be washed and polished, a paint sprayer, etc.

In general, the chargers that come with each electric car fall into two categories:

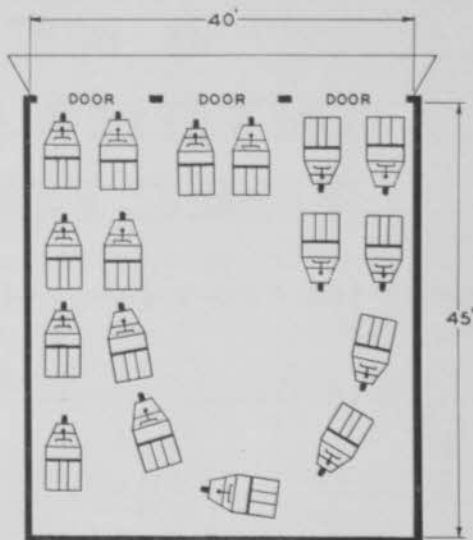
1. A 24 volt charger which draws approximately 12 amps at the beginning of the charging cycle, and if it is a deluxe taper type, slowly decreases its draw to about 7 amps. Two of this type charger could be handled with complete safety on one 25 amp, 110-120 volt AC circuit.

2. The 36 volt charger, which if accidentally or inadvertently is set to its highest charging rate before the line current is turned on, might draw as much as 13½ amps at the start of the charging cycle, but will drop quickly to about 12 amps and then down to from 5 to 7 amps. Phrased another way, primary electric load at the start of the charging cycle on many 36 volt chargers is 1.6 KW.

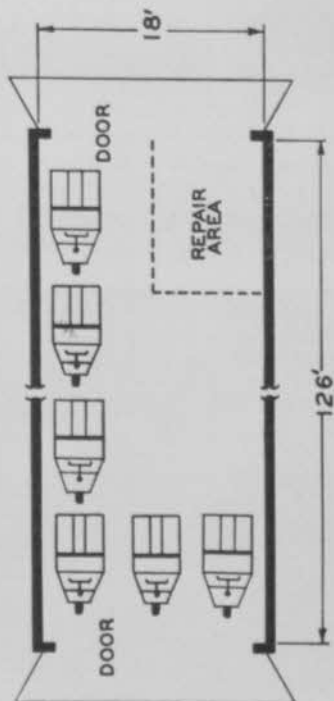
All chargers in recent and current production have a ground wire. Thus, receptacles should be of a type that will accommodate the kind of NEMA charger plug supplied by the manufacturer. Charger manufacturers recommend that the charging rate be set so that it never exceeds 29 amps except in cases where an extremely "hot" or fast charge is wanted.

Opinion of electrical engineers is that the desirable electrical installation is a 220 volt AC, three-wire service capable of from 50 to 100 amps to be originally installed as minimum. Then 110-120 AC volt lines, capable of not less than 25 amps at the start of the charging cycle, should be provided to serve each two chargers.

Because certain zoning laws and building restrictions may be in effect, it is always advisable to consult the public utility company, and a reliable, licensed electrical contractor before installing chargers.



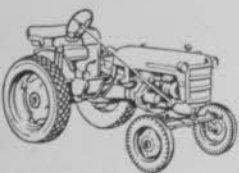
Square-type garage at Tam O' Shanter CC, Niles, Ill. has 1,800 sq. ft. of floor space, can house 40 cars. Sketch indicates relative placement and direction of traffic flow (counter-clockwise). Doors are 12-ft. Rollaway style. Chargers are 6½ ft. from floor and are installed on wood racks to service double row of cars.



Here is plan of elongated garage located at Delray Beach (Fla.) CC. Note repair area. Garage is designed to house 50 cars, has floor area of 2,268 sq. ft. Minimum side space between cars is 8 ins. and front and rear, 12 ins.

NOW! 4 NEW INTERNATIONAL® TRACTORS...

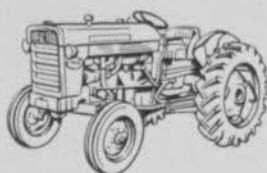
sized for every job... priced for every budget!



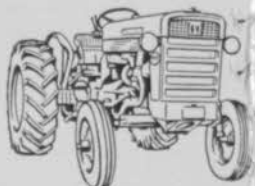
New Cub Lo-Boy
12.8 hp



New 240 Utility
38.5 hp



New 340 Utility
45.0 hp



New 460 Utility
61.0 hp

New, low-cost International 240 Utility—
sized and priced for top economy in 5 to 7-gang
mowing. Handles 11 cu ft materials bucket on front-
end loader. Sparkling performance plus proved IH
dependability gives you today's top value.



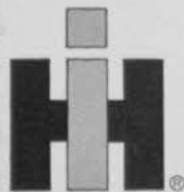
Now, four power sizes enable you to match the performance and price of a new International Utility tractor more closely to your special needs than ever before! And you get bonus value in every size. The 12.8 hp International Cub® Lo-Boy®, for instance, does dozens of jobs just as well as bigger rigs costing up to \$1,000 more!

Great new 6-cylinder International 460 is tops for heavy-duty work. Super-smooth, Multi-Range power pulls wide hitches of gangs with amazing economy.

This rugged tractor easily lifts a ton with big front-end loader.

New low-cost International 240 with 38.5 hp is ideal for 5 or 7 gang mowing. The medium-duty, 45 hp International 340 Utility easily handles 9 gangs. Both tractors give you more convenient low-profile design.

Call your nearby IH dealer. He will gladly provide information you need for your 1959 equipment budget . . . or demonstrate any of these great new IH tractors. Call, today!



Send for FREE catalog—address International Harvester Company, Dept. G-11, P. O. Box 7333, Chicago 80, Ill. Ask for Catalog CR-1374-H.

SEE YOUR

INTERNATIONAL HARVESTER
DEALER

International Harvester Company products pay for themselves in use—Farm Tractors and Equipment . . . Twin . . . Commercial Wheel Tractors . . . Motor Trucks . . . Construction Equipment—General Office, Chicago 1, Illinois



Save hundreds of dollars with a new International Cub Lo-Boy, compared with bigger tractors often used for 3-gang mowing, equipment hauling, etc. Easily equipped with front-end loader, platform carrier, rotary, cutter bar, or Hammer Knife mower. The low-cost Cub dump trailer, below, hauls up to 1¼ tons.



GOLF SPIKE RESISTANT RUBBERLOCK

FLOORING

Mitchell engineers have developed an interlocking high surface-tension rubber flooring with soft inner body which springs to sharp pressures of golf spikes — recovers original shape without cutting or wear. To club owners and managers, Mitchell Golf Rubberlock offers freedom from floor worries in spite of spiking, scuffing, scraping, and twisting.



FIRST 10-YEAR-OLD INSTALLATIONS STILL IN USE!

From locker room to the bar, you'll find Golf Rubberlock is the most advanced flooring assuring maximum economy and permanence —

**NO SPECIAL TOOLS OR MASTIC TO INSTALL
CONFORMS TO ANY SURFACE**

**1/2" THICK—24"x24" SQUARES
RESISTS ABRASION AND CUTTING**

**INTERLOCKING EDGES
EASIER TO MAINTAIN TOP APPEARANCE**

**CHOICE OF COLORS
COSTS LESS TO INSTALL
COSTS LESS OVERALL THAN
OTHER FLOORING**

**DIRECT FACTORY
QUOTATIONS
ON GOLF TYPE**

Also available in same material is our **GOLF STRIP RUNNERS 28" and 36" width. One trial size 28"x38" \$10 F.O.B. factory.**

Send square footage or floor plan for free estimate to attention of:

**M. M. Levitt,
Sports Division**

MITCHELL RUBBER PRODUCTS, Inc.

Dept. 15, 2114 San Fernando Road
Los Angeles 65, California

Sullivan Added to National Foundation Field Staff

Paul J. Sullivan, of Houston, Tex., is taking over as Southern field rep for National Golf Foundation. Addition of Sullivan to the field staff and reassignment of personnel to new areas was brought about by resignation of Verne Wickham because of poor health. He had been with NGF for 3½ years as Western rep.

Sullivan, a resident of Houston for the last five years while a radar navigator-bombardier with the SAC, is a native of Boston. He received his education at Medford High and Boston College, where he majored in English. He was active in football, baseball and basketball in both high school and college, was a member of the dramatic society in college, as well as a contributor to Boston College's monthly literary magazine. He enlisted in the Air Force in 1951 as a cadet trainee. He left the service last January. Sullivan will make his headquarters in Houston.

Harold J. Murphy has been reassigned to cover NGF's Midwest area, operating out of Minneapolis. Bill Sherman becomes Western rep while Harry Eckhoff continues to cover the East.

Southeastern Recreation to Hold Golf Planning Meeting

Southeastern Recreation Assn. will hold its first golf planning and operating workshop Oct. 30-31 in Pensacola, Fla. Florida, Miss., Georgia, North and South Carolina, Alabama, Tenn., Louisiana and Arkansas municipal and semi-private mgrs. and administrators will discuss the public golf plant from the planning to the operating stages. Lecturers ranging in topics from course architecture to clubhouse management and course maintenance and the promotion of golf in the community also will be heard.

Program Poll

Club Managers Assoc. of America is collecting data from its members on what they consider to be the eight most important topics that should be discussed at the 1959 refresher seminar that is scheduled to be held in Houston, Feb. 18-22. Members are given a list of 19 topics from which to choose and may add others that they think are appropriate.

New Course Construction Sets Postwar Record

The 178 new regulation golf courses and additions to courses opened for play in 1958 brings the nation's total to 5,718 courses, a new postwar high, according to the annual report of the National Golf Foundation, recently released by Joe Grafis, pres. New highs in construction and planning activity also were recorded with 301 courses under construction (vs. 289 in 1957) and 960 in the planning stage, 202 more than last year.

California leads all states for the third consecutive year with 31 courses opened for play. Texas is second with 15, Florida,

third, with 14 and New York, fourth, with 13.

California also heads the list in courses under construction with 25. New York and Ohio each has 20 and Pennsylvania, 16. Over 10 per cent of the regulation courses opened for play in 1958 fall into the golf course-real estate combination category.

The 38 new Par-3s opened for play in 1958 brings the total number of short courses to 249, an increase of 19 per cent over the 211 in play in 1957. An additional 32 Par-3s are under construction.

The growing popularity of the short course is underlined by the fact that, in 1955, the National Golf Foundation reported only 120, or less than half the number of Par-3s in existence today.

Writes, Illustrates Golf Book

Willard (Bud) Gaskill, pro-supt. of the University of Pittsburgh's Wildwood CC, is artist and author of "Golf At A Glance" a 128 page book of golf instruction in cartoons. The book sells for \$1 and is published by Arco Pub. Co., 480 Lexington ave., New York 17.

Gaskill studied commercial art for six

years. He has served as pro at Hornell (N. Y.) CC, Seneca Lake CC, Geneva, N. Y., Bolivar (N. Y.) CC and Nemaquin CC at Pittsburgh where he was golf coach at Washington and Jefferson college. He has done a good job of picturing the fundamentals in this little book and it is understandable and particularly useful for newcomers to the game.

Biltmore Forest Country Club
Asheville, North Carolina

Over 6 miles of
Carlon rigid plastic pipe
installed in 4 weeks...
without interruption of play!

Solvent cement joints, plus ease of handling and cutting, facilitated the rapid, low-cost installation. Complete corrosion resistance assures long, trouble-free service.

Depend on...

"The Pipe with the Stripe"

carlon products corp.

10225 Meech Avenue • Cleveland 5, Ohio

ADVERTISED IN

LIFE



carlon products, corp.

10225 Meech Avenue • Cleveland 5, Ohio

Please send me your Free Irrigation
Brochure.

NAME _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

How leading superintendents

“... maintained even growth on bent putting greens for five months,”

reports Taylor Boyd, Superintendent,
Camargo Country Club, Cincinnati, Ohio

“Our feeding program is simplified because we base it on ‘Uramite.’ Bent putting greens maintained an even growth over a five-month period, and on warm-season grasses like Z-52 Zoysia and U-3 Bermuda, ‘Uramite’ applied in the fall speeded the coloring of these grasses in the spring by ten to twenty-one days.”



“URAMITE”—the nitrogen with built-in control

Du Pont “Uramite” is 38% nitrogen—from methylene ureas of the highest quality. Applied in the fall or spring, “Uramite” resists leaching, supplies nitrogen uniformly to assure your turf long-term, sturdy, healthy growth and vitality. Uniform granules of Du Pont “Uramite” are free-flowing, clean and completely odorless.

keep turf healthy and growing uniformly with Du Pont "URAMITE"

"...helped build a good strong turf
that holds up year round."

reports Sam Zook, Superintendent,
Waverly Country Club, Portland, Oregon

"I first used 'Uramite' in 1956, applying 20 lbs. per 1,000 sq. ft. in the spring, followed by 15 lbs. over the same area in July. Our putting greens developed a rich, firm turf which kept a deep green color all summer long.

"Because 'Uramite' helped winter our greens in good condition, I had none of the usual headaches last spring getting them in shape. I'm planning to use 'Uramite' at the same rate this season."

E. I. du Pont de Nemours & Co. (Inc.)
Polychemicals Dept.
Wilmington 98, Delaware

DISTRICT OFFICES

Chicago 30, Illinois, 7250 N. Cicero Ave.
Philadelphia 3, Penna., 1616 Walnut St.
Los Angeles 58, Calif., 2930 East 44th St.
Du Pont Company of Canada (1956) Limited
85 Eglinton Avenue East, Toronto 12, Ontario



**See Your Supplier for the Highest-Quality,
Long-Lasting Nitrogen Fertilizer . . .**



URAMITE[®]

FERTILIZER COMPOUND

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

Swinging Around Golf

(Continued from page 28)

and his wife were on a vacation trip . . . He started in sports goods business more than 40 years ago with P. Goldsmith & Sons, founded by his grandfather . . . He was pres. of MacGregor before moving to the chairmanship in 1946 . . . He was pres., National Sporting Goods Assn. for five years and was elected to the Sporting Goods Hall of Fame in Feb. . . . Phil served on sports goods industry boards during NRA days and in World War II . . . He is survived by his widow and a daughter, Mrs. Arthur Hoffheimer, jr. . . . Phil's good judgment, integrity and friendliness made him a warmly admired and valuable man whose passing is a deep personal loss to many in sports.

Fines totaling \$33,200 were assessed by Federal Judge Michael J. Igoe in Chicago against True Temper, Wilson, Spalding, MacGregor and Hillerich & Bradsby and officers of those companies when the companies and officers entered plea of nolo contendere to government charge of violation of anti-trust laws.

Babe Orff, Stillwater (Minn.) pro and pres., Minnesota PGA instructs golf classes at Stillwater high school whose golf team, coached by Stan Demoski, has won 58 consecutive matches . . . Peter De Ruscio building 18-hole course and clubhouse at Schenectady, N. Y. . . . Club to be called Pineheaven.

Rocky Mountain Golf Course Supt. Assn. finished summer program with meeting at Fort Morgan (Colo.) CC Sept. 18 and winds up 1958 schedule with Turfgrass Conference at Colorado State university, Ft. Collins, Oct. 9 and 10 . . .



LOADED DOWN . . . with trophies is Jerry Greenbaum who won this year's Jaycee International Junior golf tournament with a 281. On left is permanent trophy and on right is Terry Boykin Memorial trophy.

Finsterwald Pro of Year

Dow Finsterwald got 427 of 755 votes cast by PGA members, press, radio and TV reps to win the 11th annual PGA Pro-of-the-Year award. The 29-year old Ohio University grad is the youngest player ever to win the award. He had a nearly 300 vote margin over Arnold Palmer, the runner-up. Tommy Bolt won third place, Bill Casper, fourth and Ken Venturi, fifth. Dow will officially receive the award at the PGA President's dinner, Nov. 11 in Clearwater, Fla., during the annual association meeting.

Art Bruns, succeeds Dan Vororhis as Rocky Mountain GCSA publicity chmn. . . . Dan left Wilshire CC, Denver, to become public relations director of Paradise Valley CC, Casper, Wyo., where his son, Kenneth, is supt.

George A. (Pat.) Pattison, jr., Ft. Lauderdale, Fla., golf architect, has had construction start on his new Cooper Colony GC, Davie, Fla., southwest of Ft. Lauderdale . . . Course is in center of 1,000 acre real estate development . . . Will have par of 64 with 6 par 3s and 3 par 4s on each nine . . . Pat believes this is only course of its type in the world . . . Joe Ryan, pro at Hidden Valley course in Delray Beach, Fla., is taking over clubhouse operation.

American team representing National Amputee Golf Assn. defeated Canadian 4-man team of War Amputations of Canada Assn. in match played at Roseland CC, Windsor, Ont., Sept. 27 . . . Board of governors of Baltusrol where this year's Amputee tournament was played have presented the Amputee organization with a Baltusrol governors' trophy which will be placed in competition at the Amputees' tournament at Savannah, Ga., in 1959 . . . Amputees' 1960 championship will go to Detroit or Chicago . . . Spokane has bid for the 1961 championship.

Matt Jans, for 15 years pro at Rolling Green CC (Chicago dist.) and for 25 years prior a pro in the Chicago area, retires this year and will be succeeded by his asst. Chuck Pedersen . . . Rolling Green giving Matt big farewell party . . . Harry Pezzullo, Mission Hills pro, re-elected Illinois PGA pres., and Guy Paulson of Medinah, its sec-treas. . . . Carol McCue, executive sec. Chicago District GA and the helping sister of the Illinois PGA to Europe on three weeks trip.

Fred Corcoran's idea of getting Ben Hogan and Sam Snead as a team for second time in their golf careers to play in International Golf Assn. matches at Mexico City, Nov. 20-23 got big lines in sports pages in all countries where golf is played . . . Frank Pace, IGA pres. and head of General Dynamics, especially eager to have IGA pro team and individual competitions at Club de Golf best of these exciting sports shows because of Mexican businessmen's keen and growing interest in golf.