

GOLF FOR BOYS AND GIRLS. By Chick Evans. Published by Windsor Press, 200 E. Ontario, Chicago 11, Ill. 109 pages. Price \$3.50.

Chick has done a book that will arouse kids' eagerness to play golf and which will give them fundamental knowledge of making shots, playing rounds, proper conduct, terms, caddying and everything else that should go in a sound and interesting "first reader" of the game.

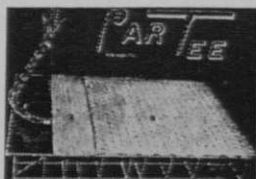
It's abundantly illustrated with drawings by Frank C. Murphy and photographs by Don Honick.

Chick dramatizes the golf education of Jim and Judy, two youngsters he met at his home club, and tells the story of their golf experience and their teaching.

It is not presentation of expert golf of the sort that's too perfect and technical to hold kids' attention. But it is a valuable pioneering job that will steam up the youngsters and get them based so the work of the pros in individual and class instruction and getting more play by boys and girls will be made much easier.

Chick is giving his proceeds from the book to the Western Golf Assn. Evans Caddie Scholarship Fund.

How you can attract More Customers and More Money to your **DRIVING RANGE**



For Over
20 Years . . .
America's
Most Popular
Automatic
Golf Tee!

PAR-TEE

Now Offered for Sale or Lease

(Formerly Available only on Lease)

After 20 years of successful operation on golf ranges all over the country, the famous PAR-TEE is now available to range operators on a sale basis as well as on lease.

PAR-TEE has proven itself dependable and trouble-free in operation and maintenance, and after all these years is still manufactured and distributed by the same company . . . a real testimonial for the product and the company. Increase the play at your range . . . install PAR-TEE today.

Write for Full Information

PAR-INC.

860 East 75th Street • Chicago 19, Ill.
Telephone Stewart 3-2400

U. S. Driving Range Balls are designed and built to rigid specifications. To stand the terrific beating that a driving range ball must take, U. S. Rubber has experimented, tested and built a special range ball that has proved its quality for years.

A "cheap" product is never satisfactory or economical. "U. S." range balls are more economical than seconds, or ordinary balls sold at lower prices. They are a better buy than old, discontinued, reprocessed or repainted balls sold at "bargain" prices.

"U. S." offers the most complete and varied assortment of distinctive markings, together with first-quality golf balls, more durable covers, and a whiter, longer-lasting paint job.

Contact your nearest U. S. Rubber branch or write to Golf Ball Department, United States Rubber Company, Providence 1, R. I.



**UNITED STATES
RUBBER COMPANY**

Green Section Gives Soil Testing Advice

Turfletter of Southeastern Office of USGA Green Section, B. P. Robinson, director, gives some soil testing information that in itself probably will be worth to Green Section regional turf service subscribers the cost of their year's fee, with all the rest of the service being a bonus.

Robinson writes:

"Clubs subscribing to the Regional Turf Service may have their soil analyzed at the Georgia Coastal Plain Experimental Station. The laboratory is supported by tax funds from the State of Georgia. The Station, therefore, does not have authority to test out-of-state soils without a small charge to offset its expenses; this fee is 50 cents per sample. Clubs within the State of Georgia do not pay a fee for the service. Other States within the Southeast have laboratories for testing soils. Various methods are used and recommendations vary according to the type of test run.

"The Southeastern Office would be in a better position to make recommendations to golf clubs if the samples were tested at one laboratory. The Regional Director is accustomed to making recommenda-

tions based upon tests from the Tifton laboratory.

Purpose of Soil Testing

"The question often arises, 'How much and what kind of lime or fertilizer should we use?' It is difficult to follow standard recommendations due to wide variation in soils and previous fertilization. Soil testing helps to remove some of the guesswork in fertilizing turf. Plants require some 15 chemical elements for growth. Of these, nitrogen, phosphorous, potassium, calcium and magnesium are most likely to be deficient in Southeastern soils.

"Soils vary widely in their fertility and in their fertilizer requirements. Knowing which element or elements are lacking will enable the superintendent to get the most out of his fertilizer dollar. Soil tests can help determine the kind and amount of elements a particular soil needs.

Soil Sampling

"The proper sample is the most important step in any analysis. If one realizes that results obtained from testing a small amount of soil may be used for making recommendations on several fairways or greens, the need for a good sample becomes evident. Every sample should be a thorough mixture of soil taken from at least ten different locations within an area



THE **RENOVATAIRE**

A combination aerating and renovating machine with a complete differential action that will follow any contour and penetrate heavily matted turf.

Equipped with curved, saw-toothed knives that slice 2-3-4 inches in depth and do not tear the surface.

Send for catalog.

SOILAIRE INDUSTRIES, Minneapolis 3, Minn.

Used on over 1500 institutions

from which a soil analysis is desired. This is a composite sample. Specific instructions for sampling and mailing to the laboratory are as follows:

"1. Take a thin vertical slice of soil to a depth of 2 in. to 3 in. from at least ten different places within the area. Combine all 10 portions, mix thoroughly without touching with the hands, and save about $\frac{1}{2}$ pint of the mixture.

"2. Samples may be taken from representative fairways, greens, or tees. For instance, a club may wish to sample its first 9 and second 9 greens separately and make a composite sample of each 9 greens. In some cases it might be desirable to keep samples separate for areas which have distinctive soil types or drainage conditions, i.e., low and high areas. From 5 to 10 samples should be sufficient for each club.

"3. A trowel, spade, auger, or broken golf shaft may be used in sampling.

"4. Samples should be taken and sent to the laboratory between April 1 and September 1. Do not send samples at other periods of the year. It would be best to have results of soil analysis before the Regional Director's annual visit to the club. Do not sample immediately after fertilization.

"5. Place the soil in a paper carton ($\frac{1}{2}$ pint ice cream cartons, etc.) or other suitable containers that will not crush or break, number, label and wrap samples in cardboard boxes for mailing. Include check or money order to cover expense of testing—50¢ per sample. Address as follows:

B. P. Robinson
USGA Green Section
Georgia Coastal Plain
Experiment Station
Tifton, Ga.

"6. Keep a personal record of where the samples were taken, results of the laboratory, and suggestions of the agronomist. This record over a period of years should give an indication of the amount of fertilizer which should be applied in order to keep soils in a good state of fertility.

What Are Soil Tests?

"Soil tests measure the amount of available plant nutrients in the soil. Available plant nutrients are nutrients which turf grasses can obtain for immediate growth. There are, however, nutrients held in soils which plants cannot utilize for growth. Tests are made on each soil for pH (acidity), available pounds per acre of nitrate nitrogen, phosphorous, potassium, calcium and magnesium. These are the

A TREAT FOR YOUR GREENS

USE

FLO-CROP

NATURE'S SELECTED

Organic Soil Conditioner

Contains no commercial chemicals, rock or added soil, sewage, garbage or manure.

Improves soil structure, increases soil aeration and waterholding properties.

NOW AVAILABLE — in larger quantities — in use by Southern Country Clubs for years.

It blends perfectly for rapid and even growth of grass.

RECOMMENDED AS THE
FINEST DRESSING — ECONOMICAL
SAFE AND LABOR SAVING
"NO RAKE OFF NECESSARY"

YOUR INQUIRIES SOLICITED FOR
SAMPLES AND PRICES

JAFFEE COTTON PRODUCTS MFG. CO.

Established 1899

South Lamar St. and Jaffee Dr.
Dallas, Texas

elements most likely needed in Southeastern soils.

The pH Test

"Measurements of soil reaction (whether acid or basic) are made with a pH meter. It is an accurate measurement, and when the soil type and turf grass are known liming recommendations can be made based on pH. Soils high in clay and organic matter require more lime to raise to a given pH level than light sandy soils.

Available Plant Nutrients

"NITRATE NITROGEN. Nitrates may vary in soil from day to day, as they are readily subject to leaching and plant use. Chemical soil tests indicate the general level of nitrates and may be of some help in indicating the need for nitrogen.

"PHOSPHATE. Some heavily fertilized

putting greens are building up a reserve of phosphorous. An excess of phosphorous may be detrimental to plant growth. Most soils, however, are low in phosphorous except those that have been fertilized with phosphorous fertilizers for several years. A soil test will indicate the phosphorous level.

"POTASH. The amount of potash in Southeastern soils varies considerably. A soil test is very helpful in indicating potash needs of a soil.

"CALCIUM. Soil pH, in most cases, indicates the level of available calcium in soils. A low pH coupled with low available calcium indicates need for high liming rate. Some soils such as those with high organic matter and clay may have low pH with fairly high available calcium. This indicates lime is still needed for some grasses. Such soils have a high capacity to hold and exchange nutrients. High pH and high available calcium indicate no lime is needed.

"MAGNESIUM. In general, soils that are high in calcium contain ample magnesium. Putting greens may, however, have a good supply of calcium and still be low in magnesium content. Magnesium deficiencies may be corrected by the use of soluble magnesium salts in fertilizers or by applying finely ground limestone containing magnesium (dolomitic limestone). A soil test will indicate if this element is needed."

NEW! NEW! NEW!



Flange WRAP

"PYRO MAGNETIC"
Hand Heat Creates the Feel of a Magnet

- Caps Molded to Size
- No Listing Required
- Apply Direct to Shaft
- Perfect Taper

Finest "Feel" in Golf



Made by **GOOD YEAR**
The Greatest Name in Rubber

C.S.I. Sales Company
Salon Center Bldg. • Solon, Ohio
Exec. Office: 536 Terminal Tower, Cleveland 13, Ohio

BALCONY SCENE



The Hagen and Ed Rankin, gen. mgr., Walter Hagen div. of Wilson's, perch on the Baltusrol clubhouse and relax while the laboring lads on the course are needing some of the great shots Walter used to play when he was a contestant in National Open championships. Walter looks better than he's looked for years and finds the strain of opening the mail containing royalty checks much easier to take than his routine in the glamorous days.

**BARNETT DISTRIBUTOR OF RIPON
SOCKS AND HEAD COVERS TO PROS**

Grant A. Barnett, 707 Main St., Buffalo 3, N. Y., whose Golfers Keep Warm cool weather golf garment enjoys lively spring and fall pro shop sale, announces his company has been appointed distributor to the golf pro trade of the Ripon line of men's golf and dress hose, women's golf hose and Ripon club head covers. Featured in the sock line is Ripon's new stretchable sock, a snug fitting sock of quality wool and Helanca yarns—50% wool, 40% nylon and 10% cotton. One size fits all sizes, 10-13, a feature that helps reduce the pro's sock inventory. Ripon socks come to the pros in cellophane envelopes for each pair. Descriptive literature and pro prices on the complete line of socks and covers from Barnett at address above.

MacGregor Golf Co. has redesigned Jack Burke, Jr. models of woods and irons for youngsters between 9 and 14. Woods are available in drivers and spoons; irons in sets of four or five. Woods retail at \$9 each and irons at \$6 each.

**SOILAIRE HAS NEW DEVICE
FOR TURF TREATMENT**

Soilaire Industries, 1208 2d ave., S., Minneapolis, Minn., has a new machine for aerating and renovating heavily matted,

sod-bound or compacted turf. The Renovataire is on a rugged, tubular steel frame. The saw-tooth malleable iron knives are on wheels 22 in. diameter and are adjustable to 2, 3 or 4 in. depth. They are built in T-shaped pairs to follow any contour.

Assembly of the Renovataire is designed to preclude skidding. Wheel arrangement permits high speed operation without chatter, weaving or skidding. Operating widths range from 2 ft. to 6½ ft.

Knives are curved and edged to have a sharp, penetrating slicing action.

**LITTLER PICKED BY JONES AS
NEXT GREAT U. S. GOLFER**

Chicopee, Mass.—Gene Littler, the 23-year old Californian, was picked by Bobby Jones, the greatest golfer America has ever produced, as the next U. S. golf great, and the one to succeed Ben Hogan and Sam Snead as master of the fairways.

"Littler has a perfect golf swing," Jones said here while he was attending the yearly sales meeting of A. G. Spalding & Bros., Inc., of which he is a vice president. "It is so smooth that you'd think he could never hit a bad shot. His short iron game is especially good. He's very accurate. And perhaps best of all, Littler has the right temperament for the game, and that means a lot."

ROLLS AS EASY
AS A BALL



"88"

DE LUXE "PRO" QUALITY

Capitalize on the sales-appeal of famous NADCO 88 quality, performance and handling ease.

- Light, compact . . . "finger-touch" folding
- Folds to 14-inch width
- Completely adjustable to user's height and to size of bag
- Durable, rust-proof, high-strength ALUMINUM construction
- Individually registered by serial number

MODEL 88
\$2995
LIST



NATIONAL DIE CASTING COMPANY

Over 30 years of leadership in precision manufacturing
3653 West Touhy Avenue • Chicago 45, Ill.

YOU have built one of the World's Great Business Journals **GOLFDOM**

YOU in the golf business have accounted for the growth of a business magazine that has no superior in helpfulness, influence and circulation coverage among the other great periodicals in the world's business.

Since 1927 GOLFDOM has worked with and for those in the golf business, *exclusively*.

GOLFDOM is *only* for those in the golf business.

It is edited for the progressive, informed golf businessman—the professional, the superintendent, the club manager, the club official, the golf maintenance and playing equipment manufacturer and salesman who realizes the demand for efficient teamwork requires that he get an accurate, informative close-up of all golf club business operations.

There's no division of interest in GOLFDOM. It is not for the amateur player, the sporting goods store, or the hotel manager.

GOLFDOM is independent, fully and impartially informative.

It is not controlled by any association. It helps them all in golf without politics dictating its constructive, energetic policies.

GOLFDOM is what you wanted — what you made — and what you are making greater each year among the world's great business journals.

Thank you.

Herb Graffis
Editor

Joe Graffis
Publisher

GOLFDOM—THE BUSINESS JOURNAL OF GOLF

Jones named Bud Holscher, Dick Mayer and Shelley Mayfield as three other young golfers with promising futures.

Jones believes the reason why there aren't many amateurs today who could rank with Chick Evans, Francis Ouimet or Von Elm, is that unless an amateur has an independent income, he can hardly afford to remain an amateur and give the necessary time to improving his game. That's why it's natural for a golfer like Littler to turn pro, he said, since as a pro he could make a living.

Asked how long he thought Hogan would go on winning tournaments, Jones said he would go on winning as long as winning the particular tournament he was competing in was the most important thing in life for him, at the time. A golfer can only continue to win, Jones said, as long as he wants to win so much that he will endure

the struggle and concentration required.

NEW PLASTIC PIPE SYSTEM DELIGHTS HEMPSTEAD CLUB

Hempstead (N. Y.) GC recently has put into operation a complete fairways and greens Triangle plastic pipe watering system that already has given Hempstead Pres. A. G. Schei, his committee heads and members and the club's operating heads confirmation of their judgment in making the installation.

Last summer's prolonged drought affected club play, interest and revenue to the degree that Schei and his associates determined to take corrective action. Schei got into conferences with Triangle Conduit and Cable Co., Inc. headquarters at New Brunswick, N. J., and worked out engineering and installation details.

Golf Pride
GRIPS.
With traction action



"CHICK"
HARBERT
P.G.A.
CHAMPION
Says:

Golf Pride grips preserve the elasticity of my hands, important to getting distance and for finesse all through my short game.

PROFITS FOR PROS!

Pros featuring Golf Pride grips make EXTRA MONEY — fast and easy.

NATIONAL ADVERTISING!

Newspapers coast to coast. Also in Golfing, Golf Digest and Golf World, plus trade papers.

GET YOUR SHARE!

Many of your members want their grips replaced with Golf Prides. Others want new clubs with Golf Prides. Get your share!

FAWICK FLEXI-GRIP CO.

Box 8072 Akron 20, Ohio



Let your
DOLLAR
GO FARTHER



With
WORLD FAMOUS
PENFOLD



Announcing

the New Roto White Penfold

New techniques of manufacture insure that individual PENFOLD (R.F. 126) Golf Balls give not only extra distance but IDENTICAL FLIGHT reducing the margin of error in PITCHING and PUTTING.

Ed Dudley says:
"It's the longest golf ball."



Double Eagle
GOLF PRODUCTS COMPANY
WEST TRENTON, NEW JERSEY

GET GREATER TRACTION!



CHAMP
SELF LOCKING
GOLF SPIKES



YOU CAN'T BREAK 'EM APART!

ARE **YOUR** SPIKES MARKED Hardened Steel?

THEN THEY'RE **CHAMPS** THE PROVEN SPIKE!

20,000,000 NOW IN USE!

CHAMPS OUTSELL ALL OTHERS 2 to 1

MAC NEILL ENGINEERING CO. • WALTHAM, MASS.

SAVE MONEY

**"MAKE TOP-SOIL
OUT OF SUB-SOIL"**

by Using

Hyper-Humus

CULTURED PEAT

The Organic Soil Vitalizer

Superintendents and greens committeemen are everywhere talking about this new and better way to build a fine golf course. Let us show YOU how raw sub-soil can be converted into superior top-soil for much less than the cost of hauled-in top-soil, and the new top-soil will have just the right organic content, free from weed seeds, insect larvae and disease spores.

Write for Special Top-Soil Bulletin
and address of nearest Hyper-Humus dealer

HYPER-HUMUS CO.

BOX G

NEWTON, N. J.

Triangle's previous installations of plastic pipe for golf course watering had demonstrated that lightness and flexibility of the pipe fitted it into the Hempstead operating and budget situation ideally. Decision to install the job was made early this year.

With the aid of Triangle engineers a layout was made encompassing all holes but 1, 2, 8, 10, and 11 which already had adequate water. The club bought 9400 ft. of 3 in. and 1900 ft. of 2 in. semi-rigid butyrate type plastic pipe through the distributor, The Crane Co. Delivery was made during February, March and April.

Those responsible for the installation were pro Roy S. Jones and Supt. Anthony Matuza.

They buried the pipe 34 to 36 in. below the surface. After the sod was removed, and saved for later replacement, a pow-



Job for bad weather days is pre-fabricating risers. Each consists of a metal riser, a metal coupling, a threaded male adapter, a nipple, reducer and a plastic tee.

ered ditch digger was brought into play. Both operations were fast and simple because the pipe being somewhat flexible, didn't require a perfect ditching operation. By using butyrate plastic fittings each 20 ft. length of pipe was quickly coupled to the next. The main lines were 4 in. and 6 in. galvanized steel to which the plastic pipe was attached by means of plastic adapters supplies by the manufacturer. When the pipe was down, other motorized equipment shoved the dirt back.

The installing crew found that this light plastic pipe was extremely easy to install. The pipe conformed to broad curves. Exact straight-line ditching was not a necessity. The crew worked out a novel and extremely practical way of connecting to the risers. The risers were pre-fabri-



Roy S. Jones, pro, (L) and Anthony Matuza, supt., (R) inspect Triangle plastic pipe ready for installation.

cated in the shop (a rainy day job). This fabrication consisted of a metal riser, a metal coupling, a threaded male adapter, a nipple, reducer and a plastic tee into which the lengths of plastic pipe were cemented.

Other advantages quickly showed themselves as the job progressed. The pipe, being light, was easy to handle. No threading was necessary and each cemented joint was made in a matter of seconds. The pipe was easy to cut with a cross-cut saw.

Three centrifugal pumps, operated at 500 gals. per minute, push the water through at a rate of 90 lbs. per sq. in. at the pump house and 80 lbs. at the sprinkler heads. There are six sprinkler heads working at one time. These are moved around periodically in order to take care of all 13 holes.

Besides the advantages immediately apparent during installation, Schei, Jones and Matuza look forward to other cost-saving characteristics of plastic pipe. This club, like many others, had experienced decreased flow over the years due to rust and corrosion accumulations closing up pipe. Plastic pipe, they have been assured by the manufacturer, will not rot, rust or corrode. Flow characteristics of new plastic pipe, Triangle points out, also are most desirable because plastic pipe has a smooth, mirror-like inner wall and less fittings are necessary.

Management and members of Hempstead club are extremely pleased with their plastic pipe installation, which was easily, quickly and economically made for long service.

BENT GRASS

A reliable source of supply
since 1920.

Offer for this fall Washington,
Cohansey (C7), Arlington (C1),
Congressional (C19), and
Toronto (C15).

*True to name, weed free, and in
vigorous growing condition.*

HIRAM F. GODWIN & SON

22366 Grand River Avenue
Detroit 19, Michigan

SENSATIONAL! VAUGHAN'S

MERION BLUE NOW AT LOWER PRICES!

. . . also other fancy
TURF GRASSES and
MIXTURES to meet
your special conditions

• • •

GOLF COURSE SUPPLIES,
EQUIPMENT, FERTILIZERS and
BROWN PATCH REMEDIES
SEND FOR NEW FALL PRICES

Vaughan's SEED CO.

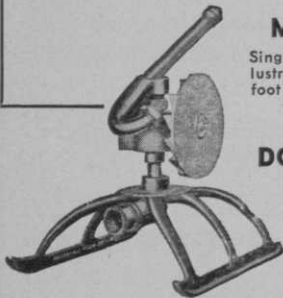
GOLF DEPT.

47 - 49 Barclay St. New York 7, N. Y.
BArcLay 7-4020

A Great Water-Saver ... because it's just a single, rotating line of water

The water pressure turns the wheel. The stream is broken up into rain-like drops which penetrate the soil like a gentle shower. The head revolves slowly, delivering the water in a long straight line which allows all the water to soak in before the line passes over again.

It is not a mist, to evaporate; not a too-heavy shower to run off, wasting water and packing or washing the soil. Covers 90 feet in diameter under good pressure. Can be reduced to as little as 15 feet with a turn of the faucet.



MODEL H

Single spout (not illustrated). Up to 80-foot diameter.

\$1875

DOUBLE SPOUT

(illustrated). Up to 90-foot diameter, with slightly less volume.

\$1950

At Most Leading Dealers, or

DOUBLE ROTARY SPRINKLER CO.

422 Admiral Blvd.

Kansas City 6, Mo.

PMAS

The proven

**HERBICIDE-
FUNGICIDE**

*Apply Weekly
Costs Only*

55c

PER GREEN

For Better Control of

CRABGRASS

**COPPER SPOT DOLLAR SPOT
BROWN PATCH PINK PATCH
 SNOW MOLD**

Helminthosporium-Curvularia

**W. A. CLEARY CORP.
NEW BRUNSWICK, N. J.**



YOUNG BILL IS WINNER



Pfc William H. Kaiser II, USMC, and his beautiful bride, the former Patricia Carter, get their first happy slice of wedded life.

Young Bill is the son of Hillerich and Bradsby's widely known pro salesman. Mr. and Mrs. Bill, Sr. introduced Bill II to many, many pros and their wives and will have the delight of presenting Patricia to their old pals. Young Bill now is at the Marines' Camp LeJeune.

LORMAN KELLEY WITH ACUSHNET



Lorman Kelley, for several years a member of the promotion staff of Acushnet, has been assigned to regular sales territory. This territory includes that of the late Wendell Kay (Buffalo district) as well as parts of western Pennsylvania and New York.

Lorm Kelley has a sound background for this job. He started as a caddy then became assistant pro in the Philadelphia and Florida areas, and he became a pro in 1936. He played the winter circuit in '39, '40, '41, '46 and '47. He has operated golf ranges and during 1946 was golf coach at Drexel Institute.

Lorm already is well-known in the districts he is to cover. He will be welcomed by a host of friends. We predict he will do well, and we wish him the best of luck.