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Fly like a quail...run like a rabbit

Now and then, everyone must shoot their way out of trouble: from the rough, under low trees, against a blustering wind; or make a running chip shot to the green. The new Scrambler was designed to be your "Ace-In-The-Hole". Scrambler has the loft of a 4-iron so your shots fly like a quail flies . . . fast and low. And look at that heavy, wide flange. It gives extra impact power, so your ball runs like a rabbit.

Try the Scrambler yourself (it's also available in a lady's model). For details on Scrambler, and the full 1965 line, write: 8350 North Lehigh Avenue, Morton Grove, Illinois.



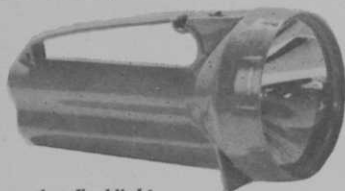
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Golf Books

**PAUL HAHN SHOWS YOU HOW TO
PLAY TROUBLE SHOTS . . .** by Paul Hahn . . . Published by David McKay Co., Inc., 750 Fifth Ave., New York, N.Y. 10017 . . . Price, \$4.95.

Hahn, trick-shot star, features a question-and-answer interval in his show during which he fits tabloid instruction into his policy of promoting the home club pro wherever he takes his entertainment. Paul has selected from the questions that have been submitted to him more than 60 that deal with getting out of troublesome situations in which most golfers often find themselves. Paul is a fluent guy who paints mental pictures with words and draws on his experience as a club pro and teaching assistant to do a really helpful job with his book. It is one of those books that promotes and supplements pro lessons.

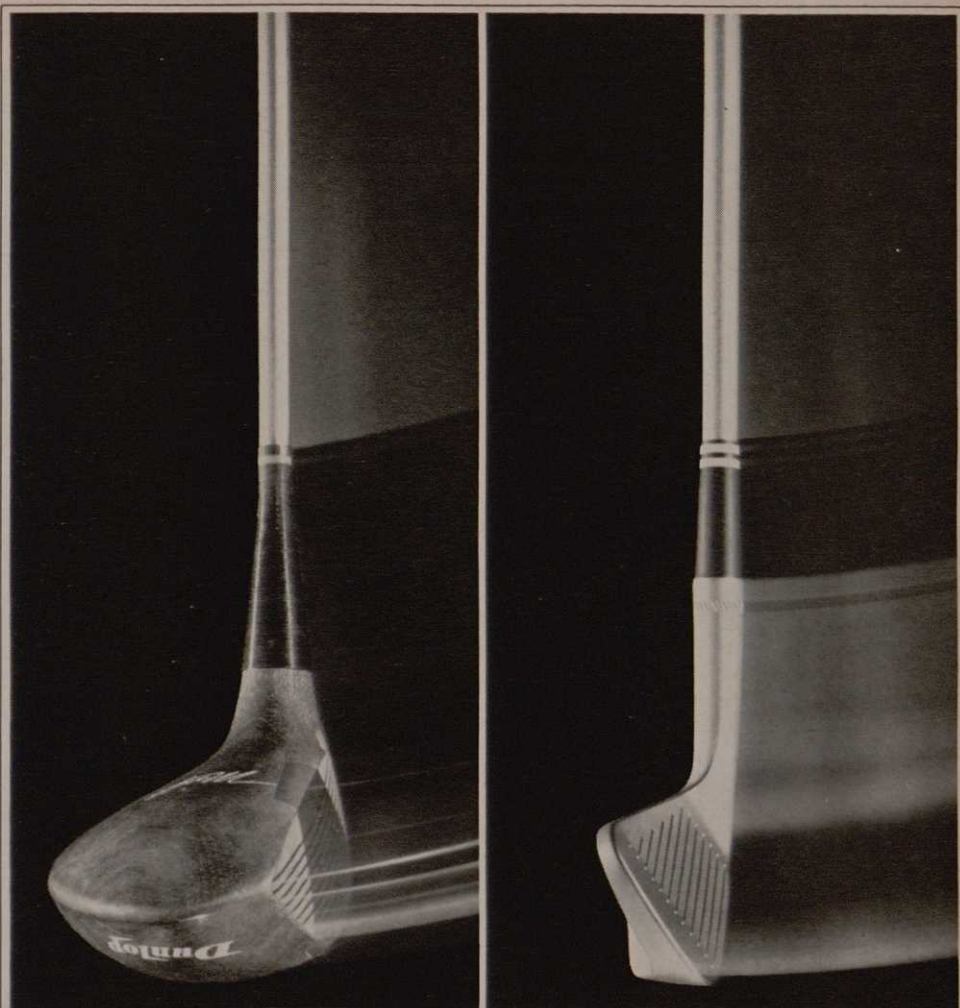
Hahn wrote this one himself. No ghost was in the wings. He was helped only by Lea Gustavson who drew the pictures and caught Hahn's ideas very accurately.

Carol McCue, the energetic executive secretary of the Chicago District GA, has revised and expanded **How to Conduct Golf Club Championships**. The book, originally published a year ago, outlines step-by-step procedures for running club tournaments.

It sharply defines the duties of the tournament committee, club manager, pro, supt. and caddiemaster in conducting club events. The use of posters and PA systems is explained and the value of pre- and post-tournament publicity is stressed. One of the reasons for publishing the book, Carol points out, is that that once hardy standby, the club tournament, has deteriorated when it should be getting enthusiastic support from members.

How to Conduct Golf Club Championships, published by Golf Publishing Co., Box 329, Evanston, Ill. is priced at \$3.

Dodd, Mead & Co., 432 Park ave., South, New York 16, is releasing a book



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Ideal for Tournament Registration Booth . . . 19th Hole Refreshment Center . . . Snack Bar . . . Caddie House . . .

Expandable Storage Shelter for Golf Carts, Mowers, Tractors, Tools. **OPEN-HOUSE** is a strongly built, durably finished, steel structure that can be quickly assembled. It can be closed and locked safely at night. If required, it can be easily moved on a special **OPEN-HOUSE** trailer. **OPEN-HOUSE** is seven feet square and measures eighty inches under awning closures. Twenty-one feet of counter space keeps traffic moving. Several units can be combined to make a larger structure with choice of wall panels. The low price will surprise you. Write for literature.

INTERNATIONAL EQUIPMENT DIVISION

Morrison International Corp., 2487 Walden Avenue
Buffalo, N.Y. 14225 A subsidiary of Conax Corp.

for Junior players this month. The book combines text and photos, with every type of shot being fully illustrated. The title of the book is **Better Golf for Boys**.

Another book that has come out in recent months is **Swing It Like A Pendulum**. This volume, written by Charles (Chuck) Papp, who operates the Pla-Mor driving range at 16801 Torrence ave., Lansing, Ill., not only discusses shotmaking but goes into such things as the causes of the slice and hook and tells how they can be corrected. A section is also devoted to golf etiquette. The soft-cover book costs \$1.25 and can be obtained from Papp at the above address.

Bermuda Research Discussed by Keen at GCSA Convention

A speech made by Ray A. Keen, Kansas State University agronomist, at the South-Southwest turf research session of the national GCSA convention was inadvertently omitted from March Golfdom. Here is a summary of what Keen said:

A line drawn from Manhattan, N.Y., to

Manhattan, Kans., is the northern limit of Bermudagrasses. The area adjacent to this line is commonly called the "crab-grass belt" because it is in the transition zone between cool season and warm season grasses. The terrific loss of U-3 in this area two years ago points up the difficulty of finding grasses suited to the severe winters and hot summers of the region.

Extensive variety trials at Kansas State University indicated that Bermuda was the weak link in turf management, so research was directed toward strengthening it.

Zoysia seemed well adapted and a few thousand seedlings were screened in an effort to find something better than Meyer (Z-52). Some excellent grasses were developed but they were not enough superior in character to warrant their release while Meyer zoysia was performing so well. This emphasized the difficulty with zoysias: the better types tend to be rather course textured; the fine textured kinds developed thatch rather rapidly.

Bermudagrasses were next investigated and are still under an active breeding program. Excellent winter-hardiness has

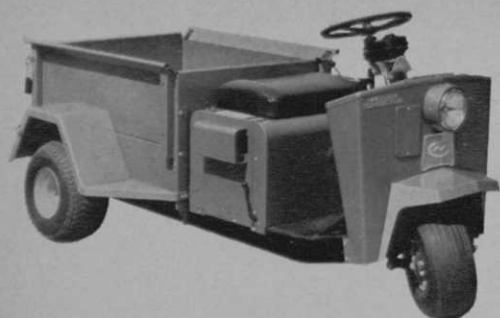


New Slip-Out Bubble Pack For Champion Gloves

It's an exclusive with Champion Gloves. Now you can totally display the Champion #291 Eagle Sta-Tite and the Champion #295 Imperial in the new ultra modern Bubble Pack. The gloves will stay nice and new . . . yet the customer can easily slip the glove from the bubble pack to try it on. It's another big first with Champion Golf Gloves.

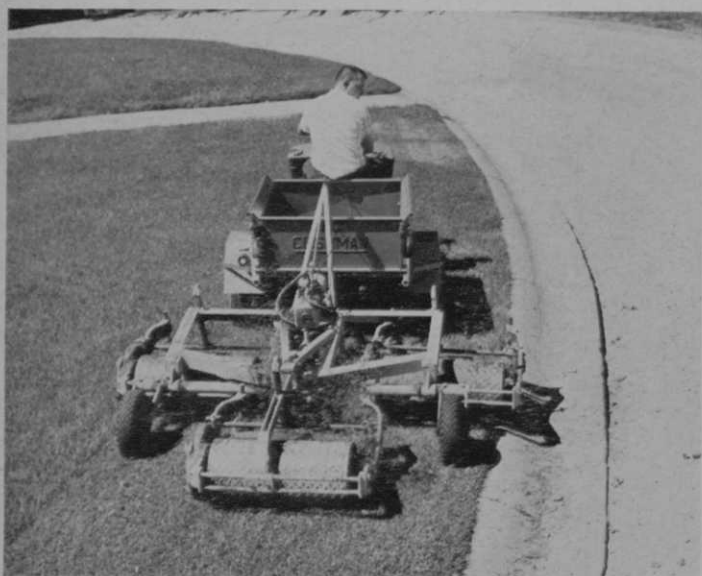
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Powerful 18 hp engine makes plenty of power for pulling gang mowers, compactors, aerators, other towed equipment. Powerful and compact, Cushman Turf-Truckster is just 55" wide, goes wherever golf cars can go. Big 9.50 x 8 tires on the rear won't mark even the tenderest turf. Equipped with a variable-speed fast-acting governor and 6-speed dual-range tractor-type transmission, Turf-Truckster responds instantly to any load or terrain change.



SPRAYS. Cushman Turf-Truckster is a purpose spray rig in miniature. It carries a load big 103-gallon capacity Tankster bed. Sprayer Turf-Truckster engine (optional) providing 0- Basic spray unit is optional. tank, skids, pump, all in hand or boomless spray

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Turf-Truckster becomes all-terrain. Two men can easily load a heavy-lined tank onto Turf-Truckster. Attachment is operated by hand through power take-off. Capable of 300 pounds of pressure. Optional equipment, includes necessary hose and gun for spraying.



BOOM SPRAYING. Optional boom spray attachment is built especially for spraying greens. Can be mounted in front or rear. Vehicle drives right on normal greens without damage to finest turf, sprays 16-foot wide swath. Boom can be installed or removed in minutes with hand tools; can be adjusted for height from ground. Spring mounting allows boom to bend without damage when it meets an obstacle and spring back into place.

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been developed in several clones that have been widely tested throughout the United States. One of these is to be released in the summer of 1965. The main emphasis to date has been on winter-hardiness. However, all clones are being screened at the present time for resistance to spring deadspot, a disease that was first found in Oklahoma and has since been gradually spreading eastward.

Investigations of sand-soil mixtures using local sands and silty-loam soils for greens construction have been made. Future work is aimed toward the nutrient requirements of greens having 85 per cent sand in their mixtures. Work at Kansas State has been hampered by a campus construction program. A new turf research farm was made available two years ago and all research activities are in the process of being moved to this point three miles northeast of the campus.

Florida Turf Show

The Florida turfgrass trade show will be held in the Sheraton Hotel and Plantation Field Research Lab, May 6-7.

Tree Repair Shouldn't Be Deferred, Davey Experts Say

Time and nature reputedly heal all wounds, but they are not to be depended on where tree damage is involved. That is the opinion of experts connected with the Davey Tree Co., Kent, O.

Supts. at courses in the Midwest which were hard hit by a severe ice storm in late January shouldn't defer repairing tree damage if they haven't already started, says the Davey firm. Otherwise, recovery if it comes at all, will be slow.

Broken branches should be eliminated at once so that symmetry is restored to trees as quickly as possible. Small and large cuts should be sealed to keep out disease as well as insects. Split crotches, say the Davey experts, will heal if pulled firmly together and reinforced by rods and cables.

Fertilization Recommended

Fertilization will stimulate re-growth and make the trees more resistant to wood borers and fungi. Where damage is extensive, pressure feeding is recommended to



This healthy plot of turf was treated with "Tupersan" at seeding. Note that the area outside the plot, which was seeded but untreated, shows crabgrass browned by frost.

Introducing Du Pont Tupersan™

WEED KILLER

A unique crabgrass killer which permits seeding and treating the same day (COOL SEASON GRASSES)

Du Pont "Tupersan" is a new pre-emergence weed killer which gives highly effective control of crabgrass and certain other annual weed grasses in turf.

"Tupersan" is highly selective. This new crabgrass killer can be used on newly seeded areas as well as on established turf without causing injury to germinating seeds of cool season grasses, such as bentgrass, bluegrass and fescue.

"Tupersan" offers a high degree of safety to turf. Rates as high as 100 lbs. per acre have not injured established turf; rates as high as 27 lbs. per

acre haven't injured new seedings or reduced seed germination. And new "Tupersan" has been used at high rates under many trees and shrubs without injury to them.

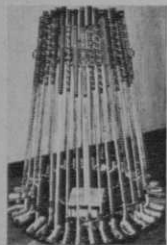
For full information on new Du Pont "Tupersan," consult your golf course supplier—your service agency.

On all chemicals, follow labeling instructions and warnings carefully.



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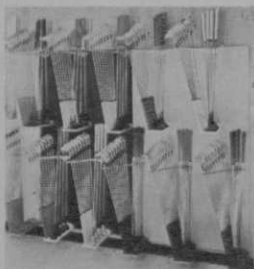
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Self-Selector Racks may be used on flat walls or peg board. Perfect where floor space is limited.



Dual Space Saver Display Racks for peg board or wall mounting. Easily mounted.

(See Pg. 101 for Quality WITTEK Ball Pickers)

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Growing Turf The Hard Way



By **TOM MASCARO**

Geographical Area: Florida

Problem: Mowing the greens. After a hurricane, golf course was flooded. As water receded, greens were exposed and had to be cleaned and mowed. This barge was used to haul greens-mowers from green to green.

Solution: Relocate Golf Course in San Angelo, Texas (Average rainfall 5 inches per year.)

speed up healing.

If debris from fallen or damaged trees isn't removed, invasion by beetles will become much greater perhaps than ever has been experienced. If this happens, extensive damage from Dutch elm disease can be expected. If the disease takes hold, spraying with Dormant DDT may save some trees, but in most cases this measure is almost powerless to prevent widespread loss.

The quickest possible re-growth of branches and leaves is desirable, Davey experts continue, to protect against damage caused by defoliating pests.

If dark beetles and other pests and disease invade elms and other trees and damage them seemingly beyond repair, immediate steps should be taken to remove and destroy the trees. Elm logs may be saved for firewood if they are sprayed and debarked, although some municipalities have ordinances prohibiting storage of logs.