



Club Car

MAY COST A LITTLE MORE BUT IT'S

WORTH SO MUCH MORE!

You may find the price tag on Club Car a bit higher than on some other golf cars . . . but in the long run, Club Car will prove to be your most economical investment. These handsome cars stay on the course earning profits for you from dawn to dark on a single charge. Players like it because Club Car has the looks . . . the comfort . . . the engineering . . . and the smooth, safe performance of the finest car available, regardless of price. Your choice of beautiful new pastel colors. Optional equipment includes stylish "bucket" seats and surrey tops. If you are looking for quality, it's time you moved up to Club Car.

This Is The Only Car With A 2-Year Warranty On The Drive Unit

CLUB CAR DIV., STEVENS APPLIANCE TRUCK CO., AUGUSTA, GA.

STEVENS
Club Car

**GOES MORE THAN 100 HOLES
WITHOUT A RECHARGE!**

CLUB CAR DIVISION,
STEVENS APPLIANCE TRUCK CO.

Box 897, Augusta, Georgia

- Send complete information on Club Car
 We'd like a Club Car demonstration

NAME _____

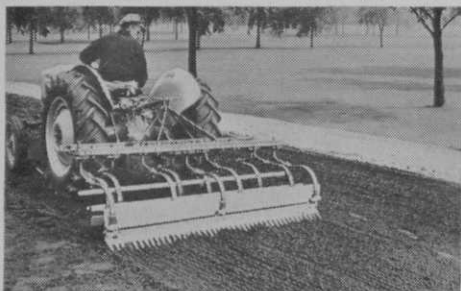
CLUB OR FIRM _____

ADDRESS _____

CITY & STATE _____

For more information circle number 185 on card

ROSEMAN TILLER-RAKE



Fast, Efficient Seedbed Preparation

THIS ONE TOOL...

- Scarifies
- Grades
- Levels
- Tills
- Spreads
- Pulverizes
- Finish Rakes

The ideal attachment for construction or rebuilding of tees and greens, for grading badly compacted and rutted service roads and parking areas.

ROSEMAN TRACTOR EQUIPMENT CO.

2620 Crawford Avenue • Evanston, Illinois

For more information circle number 124 on card

NO MORE ICE ELECTRICITY

Safari

GAS FIRED

DRINKING FOUNTAIN WATER COOLER

TESTED and PROVEN

The Practical Solution To Cool Refreshing Water For Pennies A Day With Savings Of Up To 90% Over Your Present Cost Of Icing and Maintenance. Proven Trouble-free In Over 2 Years Of Continuous Service On Leading Golf Courses From Coast To Coast. New Low Cost Leasing With Option To Purchase Available.

WRITE OR CALL FOR MORE
INFORMATION TODAY

SAFARI LP-GAS WATER COOLER

591 N.E. 5th St. Dept. GB
Pompano Beach, Florida 33060
Phone (305) 942-8076

Pat. Pend.

For more information circle number 183 on card

PESTICIDES

Continued from page 40

have provided an effective means of controlling most of the insect pests that beset us. Similarly, spectacular developments in weed control and in disease control have revolutionized the maintenance of golf course turf.

Pesticides have benefited all of us in many other ways which are far more important than any contribution to better turf. Before the days of DDT, the United States was reported to have lost to death through malaria more than 50,000 persons annually. Also, typhus fever would have accounted for a tremendous loss of life in World War II had DDT not been used effectively.

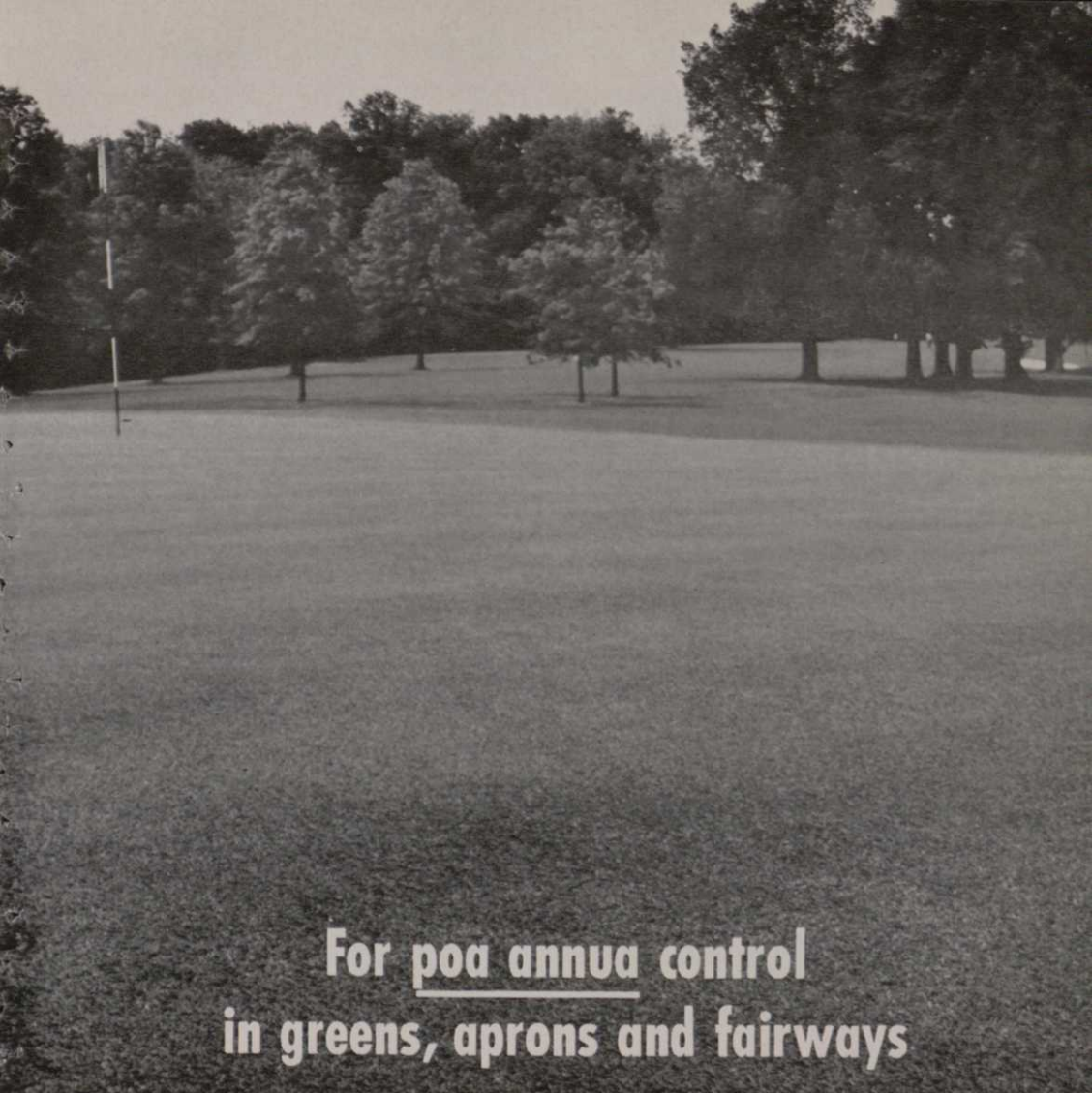
Part of Environment

Despite all the advantages we have gained from the use of chemical pest control agents, there is another side to the question. Ecologists argue that many of the materials being used are becoming a part of the environment of man and of wild life to such an extent that they may pose a danger. The tremendous amount of heated writing and discussion on both sides of the argument is likely to leave the reader a bit confused about the validity of either side's position.

Those who are fearful of environmental contamination claim that pesticidal materials are harmful to wild life. Yet the Audubon Society continues to report increases in numbers of birds. In a speech printed in the *Congressional Record* of June 17, 1964, Representative Ralph F. Beerman of Nebraska reports substantial increases in the pheasant and prairie chicken populations. In the Gulf Coast area where the fire ant eradication program undertaken a few years ago created a great deal of controversy, the bag limits on quail have been increased. Therefore, while some instances of wild life destruction may undoubtedly occur, it would seem that in the broad view pesticides help rather than ruin our wild life resources.

There is a danger of pesticides causing damage to plants other than weeds which are to be eradicated. This danger is one of great importance to the golf course superintendent. He must not only be

Continued on page 64



For poa annua control
in greens, aprons and fairways

treat with **Betasan**[®]

If you've had *poa annua* infestations this year, you're bound to have them again next year in the same areas, unless you use BETASAN pre-emergence herbicide *now* — between mid-July and mid-September — before the new crop of *poa annua* emerges!

Application at this time prevents fall infestations and allows the desirable perennial grasses (bent, fescue and bluegrass) to fill in during their peak period of growth — during cooler weather.

BETASAN is available in liquid and granular formulations, and gives you excellent control of crabgrass and goosegrass. It even controls some annual broadleaf weeds. Time BETASAN applications according to the weed to be controlled. For

instance, crabgrass and goosegrass are best controlled by applications between late winter and spring.

For full details, see your supplier or write Stauffer Chemical Company, Agricultural Chemical Division, 380 Madison Avenue, New York, N. Y. 10017.



Stauffer
CHEMICALS



RANGE OPERATOR

Could your range ball purchases make a difference in your PROFIT if you SAVED A DOLLAR OR MORE ON EVERY DOZEN?

You can do this with MCLAUGHLIN REBUILT BALLS, or let us rebuild your culls and put them to work for you.

THERE HAVE NEVER BEEN REBUILT BALLS LIKE THESE AVAILABLE BEFORE. TRY THEM — They LAST AND LAST, as increasing numbers of range operators are discovering.

YOUR PRIVATE BRAND

SOLID YELLOW COVER

AVAILABLE
TOP QUALITY

ALL NEW CONSTRUCTION

PRO SHOP BALLS

HUGH J. McLAUGHLIN & SON, Inc.

614 N. Indiana Avenue, Crown Point, Indiana

For more information circle number 176 on card

aware of proper dosages, but he must also judge the effects of weather and the possible interaction of effects of two different materials.

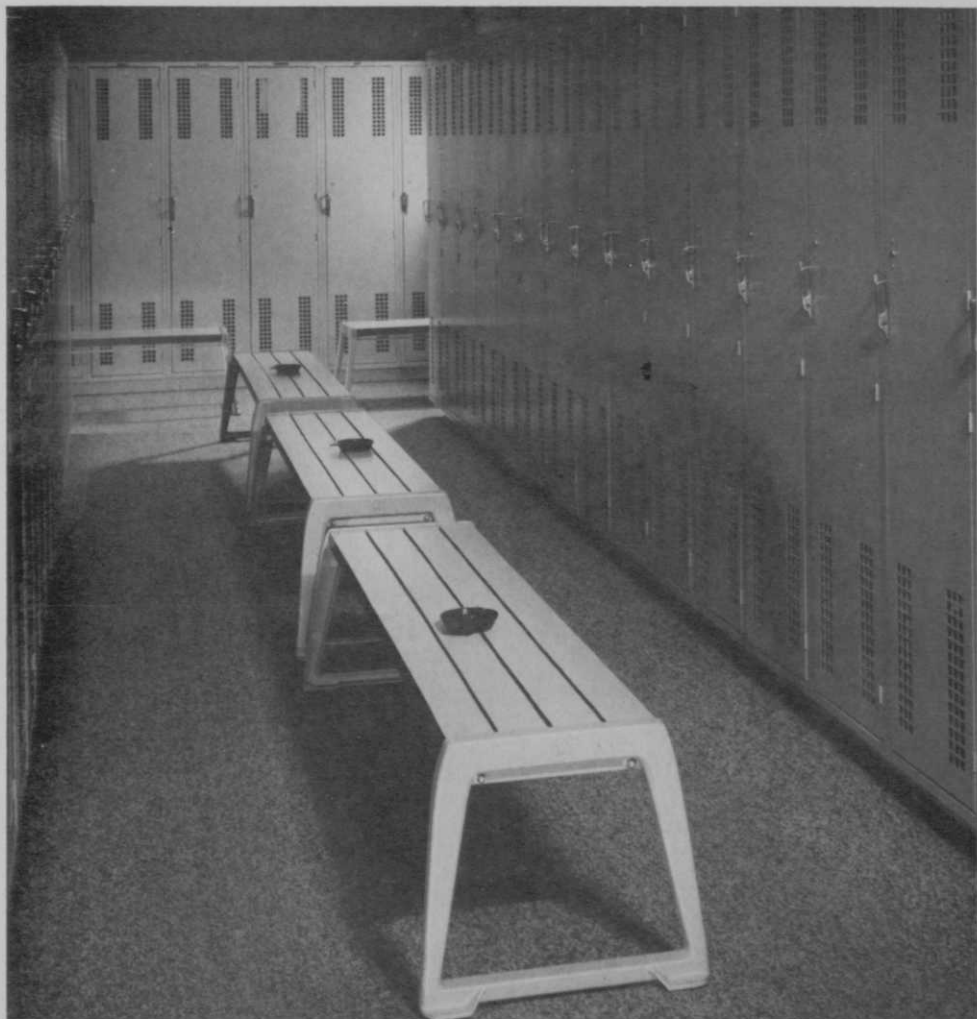
In light of the trend toward greater regulation of pesticide manufacture and use, it becomes important that each user of the products gives no cause for the imposition of greater restriction. *In other words, be sure you avoid accidents and needless contamination.* There are several cardinal rules to be followed:

- Store all pesticidal materials in a secure place and keep them under lock so that access to them can be strictly controlled.
- Store pesticides in original containers. Do not store remnants in unmarked containers, and do not re-use a container for some other product.
- Dispose of empty containers according to the manufacturer's instructions.
- Impress the need for care and cleanliness upon all workmen.
- Use appropriate protective clothing, masks and gloves.
- Read the label. The National Agricultural Chemicals Association call these the most important 21 words in pest control: Read *entire* label. Use *strictly* in accordance with label cautions, warnings and directions, and in conformity with federal and state regulations.
- Finally, know where your nearest Poison Control Center is located.

Research in pesticides continues and one of the goals of the research is a greater margin of safety for every pesticide use. In some cases biological controls can be employed. Male sterilization of insects through irradiation has been effective in some species of insects. Isolation of chemical sex attractants and their employment for trapping techniques offers a promising approach.

There is a political aspect involved in some of these approaches. The mounting of a broad scale attack on a given species must necessarily be a government sponsored program. Such programs invariably involve expanded organizations for control. This is in contrast to the use of an insecticide by an individual where he can direct one general purpose ma-

Continued on page 66



Wherever golf is played . . .

Par Aide Utility Benches are ideal for locker room and golf course use. End frames are cast of high grade non-corrosive aluminum alloy. Wide choice of end frame colors. Seat boards are made of 1 $\frac{3}{4}$ " x 3 $\frac{1}{2}$ " Grade "A" treated redwood. High impact—spike resistant plastic covering on boards is optional.



FOR COMPLETE LINE OF PAR AIDE GREENS
AND TEES EQUIPMENT—WRITE FOR CATALOG

PAR AIDE PRODUCTS COMPANY
296 NORTH PASCAL STREET • ST. PAUL, MINNESOTA 55104

DEPT. G

For more information circle number 119 on card

BIGGEST PROFIT-MAKER on 2 wheels



STOWAWAY rental caddy carts make for happy golfers...and spell more new and repeat business for you. Internationally known as the most perfectly balanced hand cart available, the English-made STOWAWAY rolls feather-light on ball-bearing wheels. Your customers will see the difference at a touch, and you'll see the profits roll in. STOWAWAY's rugged, tubular steel construction is built to take the punishment a rental cart receives—leather cradle protects and cushions bag, too!



Write today
for information
and prices

Rent and
Sell the
STOWAWAY
line of carts

Sports International

1225 Second Avenue
Oakland, California 94606

For more information circle number 127 on card



The new Ampex TV "instant playback" device, above, would seem to have a great future as a teaching tool at club or campus.

PESTICIDES

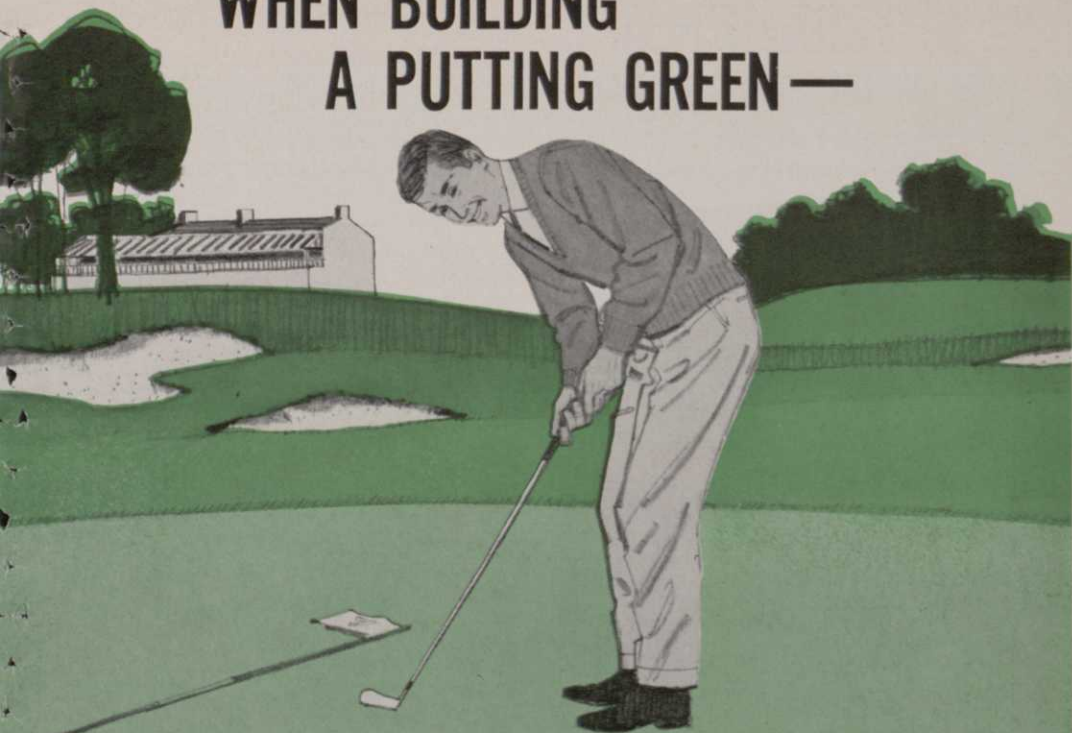
Continued from page 64

terial toward the local control of numerous species—hopefully without restrictive regulations to hamper his attack.

Pesticides are necessary for golf course management, and it appears that these materials can be used effectively and harmlessly through the exercise of proper care. Therefore, all of us in this field should resist the imposition of needless regulation. At the same time, we should use pesticides safely, and spread the doctrine of safe and effective pesticide use to others.

It would be helpful in combating some of the unjustified claims against pesticides if every golf course superintendent and every person involved with golf course management were to arm himself with some of the facts about pesticide values. How can we tolerate an argument against the use of DDT because it may possibly contaminate an environment and may possibly be detrimental to wild life, when we have demonstrated that by controlling mosquitoes with DDT, we can practically eliminate malaria and encephalitis, thereby saving more than 50,000 U. S. lives per year? •

WHEN BUILDING A PUTTING GREEN—



PROFESSIONALS PLANT STOLONS... AMATEURS PLANT SEED

The only way to obtain putting green perfection is with clean, pure-strain stolons. Ask any old-time golf course superintendent, or inspect any 6 year old green planted with seed.

A million live nodes are in every bag of Warren' Stolons with a minimum of soil. You pay for growth potential only—You save on freight.

**FOR THE FINEST GREENS
WITH PERFECT, EVEN
TEXTURE AND COLOR...**

PLANT
Warren'
STOLONS

Warren's TURF NURSERY

8400 W. 111th St., Palos Park, Illinois
Send us details on beautiful, hardy, vigorous greens
and tees with Warren Stolons • Warren' Sod

FREE LITERATURE

- "Construction and Planting of Putting Greens with Creeping Bent Sod or Stolons."
 "Genetic Variability in Creeping Bent" A study of seed versus stolons for planting putting greens.

Club Name _____

Address _____

City _____ State _____ Zip _____

Superintendent _____

MORE SERVICE & PROFIT IN THE LOCKER ROOM

with
Complete Shoe Cleaning/Shine Bar*



- * Anyone can operate
- * Handles shoes, bags, all leather items . . . and all colors
- * 5 times faster service than hand work

Write for full information direct to:

ADVANCE TOOL CO.
P.O. Box 25394, Los Angeles, Calif. 90025

For more information circle number 135 on card



GOLF COURSE ENGINEERING

1. Irrigation Systems for fairways, tees and greens.
2. Drainage and water supply.
3. Storage Ponds.
4. Fire Protection Systems.
5. Pumping Systems.
6. Lighting and Electrical Systems.
7. Additions and Modernization.
8. Feasibility Studies.
9. New Buildings.
10. Lightning Protection.
11. Specifications and Bid Analysis.
12. Project Supervision.

HALE & KULLGREN INC.

613 E. Tallmadge
Akron, Ohio 44309

5731 Gulf Freeway
Houston, Texas 77023

For more information circle number 136 on card

CASCADES SET Continued from page 44

off the pavement onto the grass. This instant readiness for championship play really has a payoff when the big ones bite, Keyser believes.

The Cascades superintendent's black book of good management contains certain constants that are repeated almost daily. For instance, the greens are cut to 3/16ths of an inch daily except Sunday. In tournament play the greens are cut to that exacting standard all seven days.

Placement of cups is usually left to Keyser and his cup setter, although there are times when tournament directors meet with them on placement.

Fairways are cut to 1/4 an inch between two and two-and-a-half times each week, depending on the grass growing status of the course. The rough most times is from two to three inches for normal play though this figure may change if tournament directors want to further penalize those who stray from the straight and narrow paths.

The rich Cascades turf is the product of a mixture of Kentucky Blue Grass and Highland Bent while a combination of several fescues is blended for the rough. Pesticides used in the keeping of the Cascades in championship calibre include Chipman Chemical, Caloclor, Terrasa 75 while Virginia-Carolina Nitroform, Agrico Crab Grass Control and Dr. Allen's True Organic are the fertilizers. From time to time all course personnel meet with USGA agronomists to solve specific grass problems.

Sand traps are fielded with five to six inches of sand purchased from the Pennsylvania Glass Sand Co. Traps are raked daily Monday through Saturday, and sometimes Sunday if the occasion demands it.

The Homestead is blessed with several superintendents of the calibre of Keyser. Until he died in 1965, Keyser's younger brother Norval, was superintendent of the Homestead Course. Both went to work within one month of each other in 1927.

Burl Johnson, superintendent of the Lower Cascades, has 20 years' experience in greens work. Genis May, Paul Keyser and Melvin Martin—all associated with Keyser—have a combined course longevity of 71 years. ●



Tight lies
won't be
so tight
any more

New RCR Woods by PGA

Know what this PGA rocker sole does for a fairway shot? It reaches down into tight lies. Picks your ball up crisp and clean. Helps avoid topped shots. Makes a tight lie an easier shot than you ever had it before. How? PGA golf club designers created a small easy-playing head with considerable radius on the club sole. This well-designed persimmon head is finished in marbled fuchsia and black, comes in a choice of shaft flexibility. Fitted to your game by Golf Professionals only.



The only clubs approved by the Professional Golfer's Association representing over 5400 professional golfers. It's golf's highest endorsement.

PGA GOLF EQUIPMENT DIVISION

 **VICTOR GOLF CO.**

8350 North Lehigh Avenue, Morton Grove, Illinois 60053
Products of Victor Comptometer Corporation

For more information circle number 122 on card

ONE OF A SERIES



No Matter How...

you make those tough putts, there's no putter like an Axaline. It's a sensitive golf instrument with the "feel" that builds putting confidence. They're masterfully crafted from superior materials from sole through grip... to give you dynamic balance and maximum inertia for superior accuracy.

You can afford the best putter... have you felt an Axaline lately?

Sold only in pro shops. Write for name of your nearest Axaline shop.



AXALINE PUTTERS

AXALINE, INC.

Division of Beta Engineering Corporation

6330 Arizona Circle, Los Angeles, California 90045

Manufacturers of Fine Golf Equipment

© AXALINE, INC.

For more information circle number 132 on card

GIVING GOLFERS

Continued from page 48

tors and sending them on their way to France. As the Toro organization started to grow in golf after the war, Scotty was the field man who trained the golf course men in Toro equipment operation.

The majority of golf course maintenance jobs then were pro-greenkeeper posts. When there was a greenkeeper at the course, Scotty's training task wasn't tough. But, as was often the case, when the man in working charge of the course was a displaced farmhand, McLaren's assignment for Toro meant not only training in Toro equipment use and care but in the elements of golf course maintenance. Scotty was the original tester of new Toro equipment, and he was a tough one, putting each new item through rigorous trial.

Young Man of All Work

Sam Clapper's youngest son, Orville, was a versatile and energetic lad, who worked the full route of training in the Toro factory and offices. As Toro's first advertising manager, he got the company well connected in the growing golf field. Orville shared his father's optimistic vision of what the golf course business was going to be, and what a strong influence it would be in developing the turf equipment and material market.

When the distribution plan was completed, Orville took the New England area. There he became one of the very active factors in the promotion of golf courses and other turfed areas. Today, he operates from his office, warehouse and shop in Suburban Boston.

When the depression of the '30s came along, Toro and its dealers were just getting started. Toro's farm machinery dealers went broke. Farmers' notes, endorsed by the dealers, often weren't any good. Toro and its early sales outlets to the golf market also nearly went broke, as the golf clubs weren't sure pay. Fortunately, Sam Clapper had an excellent credit background and was a star salesman in selling bankers on the future of golf. He managed to raise enough money to finance the new and inexperienced dealers, who in turn were doing much of the financing of many young golf clubs.