

THE NEW *LaHer* 1963... Masterpiece



**MANUFACTURER'S
AGENT WANTED**

**NOW... LOW SLUNG AND SWANKY!
MORE SAFETY, MORE COMFORT, MORE BEAUTY, MORE
EXCLUSIVE FEATURES THAN ANY OTHER GOLF CAR MADE**

SPECIFICATIONS ARE "THE HEART OF A GOLF CAR!"
BEFORE YOU BUY, COMPARE LAHER SPECIFICATIONS WITH ALL OTHERS



DUAL BRAKES: (optional) Hydraulic plus a mechanical emergency brake. Fully enclosed internal brakes on each wheel, not exposed to moisture and mud. Just as safe and efficient as your finest passenger car.



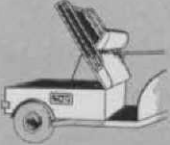
FAMOUS LUB-O-MATIC Drive Switch: Exclusive with LAHER; every wearing part runs in a bath of oil, eliminating wear and service.



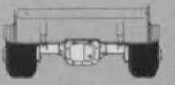
DUAL USE: Can be used as a personnel carrier or shopping cart. Golf bag holder lifts out easily (no bolts to remove) leaving clear deck with plenty of room for boxes, packages, etc.



LAHER AIR-VAC SPRINGS: A spring and shock-absorber all in one, for soft easy riding and safety. (The DREAM RIDE - America's finest ride)



HINGED TIP-UP BODY: For fast, easy service anytime, anywhere.



FULLY ENCLOSED DRIVE UNIT: A LAHER EXCLUSIVE DESIGN in combination with a SPICER axle - runs in oil. Service free as the finest auto.

PLUS: Special BUILT-IN CHARGER; also equipped to charge with portable charger • 6" wider tread at rear, no danger of lip-overs • Plenty of room for six-footers, not a "kiddi-kar" • Large 8" or 9½" soft tires - easy riding and easy on turf, also available with 12" or 15" TERRA TIRES • MOST POWERFUL BATTERIES - made by LAHER exclusively for electric cars, 190 amps., good for 36 to 45 holes • Unitized body with alloy steel pressed channel frame - strongest construction of any golf car • Powerful GENERAL ELECTRIC MOTOR - more power than you'll ever need • LAHER cars are equipped to tow others if needed • plus many others.



**WRITE TODAY FOR COMPLETE INFORMATION:
LAHER SPRING & ELECTRIC CAR CORP**

P. O. BOX 731
NEW ALBANY, MISS.

2615 MAGNOLIA ST.
OAKLAND, CALIF.



Greens of natural hair withstand all weather. Squeegeeing after rain is recommended as a safety factor. Photos were taken at Dwarf GC, Lincolnwood, Ill.

A Firm Bond for the Felt

Installation and Maintenance of Miniature Course Greens



It's safe to use a roller after carpet is put down. This insures a firm bond. Texture of all-hair felt simulates natural greens (foreground).

With the cooperation of the Ozite Corp. of Chicago, a large manufacturer of golf course felts, Golfdom presents a series of questions and answers on the installation and maintenance of artificial green for miniature courses. This information is a composite of installation experiences of the Ozite firm and a questionnaire that it sent out to several clients. Due to the steady growth of miniatures, built in conjunction with ranges and Par 3s in the last year or so, numerous inquiries have been received as to how they should be constructed and maintained. Editor

What type of base is best for laying putting course greens?

A concrete base generally has proved best. It provides a smoother surface, stays level, holds up longer under varying weather and traffic conditions. Asphalt often melts too easily and clay and gravel have proved unsatisfactory.

What kind of cement or adhesive can be used?

Any good waterproof adhesive is satisfactory. There are several adhesives on the market that are designed especially for laying golf course felt.



ELECTRONIC HANDICAPPING

Throughout industry more and more companies are turning to electronic data-processing.

Now Minimax brings the speed and accuracy of electronics to golf handicapping.

This revolutionary method of establishing and maintaining handicaps is a must for every country club and golf association.

Electronic computing is not only accurate, but it accomplishes in seconds what handicap committees attempt to do manually in days.

Minimax computes each member's handicap and then posts it to a master sheet. This master sheet includes the number of scores turned in since the previous computation — but that's not all. With each calculation every member receives an official handicap card.

From past experience every golfer recognizes the complete impartiality of the automatic system. No work—no inaccuracies—no arguments!!!

For further information contact:



minimax COMPUTING CORPORATION

P. O. BOX 20367 • DALLAS, TEXAS • ME 1-8502 FL 1-6878



To repair a rip . . . ruptured fabric is carefully lifted and folded back. Dirt is blown out and adhesive applied. Fabric is then pressed down with the fingers so fibers are pulled together. Final pressure can be applied with a hammer. At right, corners and areas around obstructions should be pressed firmly with the hands so that firm bond is made.



What types of putting felt are available?

Two major types of felt have proved successful for putting surfaces. One is a 100 per cent natural animal hair to withstand weather, wear and tear. The other is a combination of animal hair and synthetic fiber solution — dyed green. Ozite makes both types. "Tru-Green," a blend of natural hair and solution dyed synthetic fiber, is the official golf course felt approved by the Professional Putters Association and is the most widely used putting surface.

How should adhesive be applied?

Surfaces should be clean and free of grease, oil, dust, old adhesive, and bits of carpeting. Generally, surfaces should be "sunshine dry". Apply the adhesive according to manufacturer's specific instructions but, as a rule, use a regular serrated trowel with notches at least 1/16 inch deep to assure proper "ridges" for good bonding. Also be sure that adhesive is spread evenly.

Any preparation of the carpet needed?

Natural animal hair greens do not need pre-shrinking and are ready to lay "as is". The carpet should be pre-cut to exact size for each hole and then re-rolled to keep it clean while adhesive is being applied. Do not cut out the hole cup until the laying of the carpet is complete. A chalk mark showing where the carpet begins at the tee aids in applying adhesive to only the portion of the hole covered by carpeting.



When should carpet be laid?

Immediately after adhesive is applied. The best bonding time is from 5 to 15 minutes after adhesive is down. A good test is to check a corner of the carpet to see that at least 75 percent of the adhesive has transferred to the carpet. Proper adhesive cannot be too wet, but it can get too dry, causing poor bonding.

Does temperature or weather affect the time of felt installation?

Yes, to some degree. The weather should be relatively dry, preferably with plenty of sunshine. Several operators who have successfully applied felt carpets both at 40 degree and 90 degrees, report that the felt and adhesive stick together better when applied at higher temperatures. However, if the temperature is above 75, adhesive will set faster. Then, only 1/3 to 1/2 of a hole should be spread before applying the carpeting.

Can you use a roller on the newly laid green?

Yes! This method of assuring a firm bond is recommended. It is vital that every part of the carpet is pressed firmly into the adhesive, especially the edges and around the cup. Where a heavy roller can-

(Continued on page 82)



WITH THE NEW
Roseman
Mark IV

**YOU
 CAN
 NOW
 MOW
 AT
 NIGHT!**

- AVOID PLAYER INTERFERENCE
- IMPROVE PUBLIC RELATIONS
- GET THE JOB DONE PROMPTLY
- REDUCE MOWING COSTS

Former efforts at night mowing and much of today's "early morning mowing" on turf wet with heavy dew, rain or sprinkling causes bunching and droppings of clippings in unsightly clumps. Unattractive messy looking fairways are the result.

With the new Roseman Hi-Speed-Reel, Mark IV, Hollow Roller Drive mower you can now mow turf of any moisture condition at anytime . . . day, early morning and at night with clean, neat appearing fairways the result.

If heavy play and mower and player interference and interruption are becoming a problem on your course the new Roseman Mark IV, that gets the job done ahead of the players, is the answer you have been looking for.

Non-breakable construction, faster mowing speeds, elimination of hand trimming, more efficient use of labor, lower operating costs and improved turf are additional advantages of the Roseman Mark IV Mower.

Write for descriptive literature, prices and availabilities
AND MAKE YOUR NEXT GANG ROSEMAN!



ROSEMAN MOWER CORPORATION
 2300 WEST LAKE AVENUE
 GLENVIEW, ILLINOIS

Nation-Wide Sales and Service



Charles Kemp (l), president, and Bill Trombley, vp and sales manager, of the Minimax company, check over handicap sheets in the firm's Dallas office.

*Throw Away Pencils,
Cut Down on Hours*

Computer Takes Drudgery Out of Golf Handicaps

A problem which has tormented professionals and handicap committees for many years has finally been solved. The computation of golf handicaps has long been a necessary but tedious and thankless job. It is a job which all too often has been neglected, a job which has defeated many dedicated committees.

Minimax of Dallas has solved the handicap problem. Instead of pencil, paper, adding machines and long weary hours, it uses the most modern of the giant electronic computers. The same machine which calculates moon shots, designs atomic submarines, and checks your income tax returns now calculates your golf handicap. Working at the fantastic rate of 400,000 arithmetic operations a second and printing absolutely accurate results of these operations at the rate of 600 lines per minute, Minimax calculates handicaps for country clubs, municipal courses and golf associations throughout the country.

Why has Minimax grown from an idea to a nationwide service in less than two years? Look first at the problems inherent in handicapping — then at the Minimax answers to these problems:

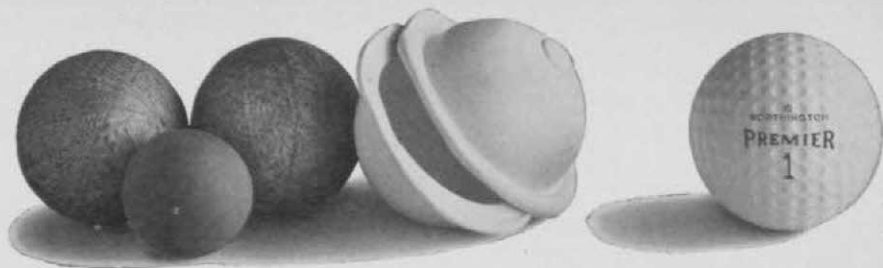
44 Hours A Month

The amount of work required to calculate a handicap by old-fashioned methods is tremendous. Dick Forester, professional at Houston CC and national vp of the PGA, says: "We were spending 44 hours a month figuring handicaps. If you figure hours as dollars, we have made a substantial savings at our club using the computer service."

For professional people to spend such time — and it requires that much or more if the job is done right — verges on the ridiculous if there is another way of doing it. With Minimax, the only work required is for someone to post the scores. The posting form is a machine written, alphabetical list. The accuracy of the calculation is important. Every golfer knows the importance of one or two strokes.

Statistical studies by Minimax reveal if 70 per cent of hand-calculated handicaps in a club are correct, the club is doing well. The worst example Minimax has found involves two members of the same club. One member's handicap was eight strokes too high; the other six too low. On the other hand, the odds against the computer making a mistake are literally millions to one.

Earl Stewart of Oak Cliff CC in Dallas says Minicax has meant accurate handi-



The most expensive materials available go into this new golf ball

But that's not why it costs \$1.50

The materials used in making the new Worthington Premier are insured for quality by Lloyd's of London. But many of them are natural substances and even the best of these vary enough to affect a ball's performance.

Professional Consistency

The Premier is the most consistent ball you can sell because of the pains Worthington takes to eliminate these variables. It is simply the most carefully made golf ball in the world. And that's expensive.

Is it worth it? Yes, if like professionals, your golfers demand a truly consistent ball. With the variables gone from the ball they can concentrate on perfecting each stroke and playing each lie.

Uniform Compression

Each Premier falls within the narrow compression range of plus or minus two from a rating of 90—the rating preferred by most touring professionals. Other premium-priced balls can vary as much as 13 points.

Worthington's special *precise tension* winding machines (no one else has them) wind the rubber thread on the Premier in two different patterns. One for compression, the other binds the first and holds the cover on tighter.

Constant Inspection

The balls are covered with fine imported balata, cured three days in slow heat, then finished with a scuff-resistant polyurethane coating. In between there are about a dozen inspections, including constant fluoroscoping of sample balls to see that centers are perfectly round and centered.

Individually Compression Tested

The balls are then tested for uniform compression. The machine that does it is fussy. Passes only one out of four potential Premiers. Each one is individually packaged. Each dozen is

stamped with your registration number, the number of the golf professional who sells Premiers.

Guaranteed—Profitable

The Premier is guaranteed to give maximum distance and playability consistent with USGA limitations on high compression balls.

You'll make more money on each Premier than on any other golf ball you sell!

Ordering Priority

Premiers obviously cannot be mass produced. So orders will be accepted to match available supplies. *Priority will be given to re-orders from professionals holding assigned Premier registration numbers.*

Your better golfers are reading ads about the new Premier right now. They'll be asking you for them.

If you don't have Premiers on order yet, call your Worthington representative now. Or use the coupon below to mail in your Premier order today.

The Premier is sold exclusively through golf professional shops at \$1.50. Made by Worthington Golf Inc., a subsidiary of Victor Comptometer Corporation.



THE WORTHINGTON PREMIER

WORTHINGTON GOLF INC.
125 PINE STREET • ELYRIA, OHIO

Here is my order for _____ dozen new Premier golf balls. I understand I will be assigned a registration number which will assure me priority on re-orders.

Name _____

Club or Course _____

Address _____

City _____ Zone _____ State _____

caps beyond any doubt. "Minimax service," says Earl, "is the greatest idea since the steel shaft."

Aren't Kept Up to Date

Members of most clubs do not turn in their scores regularly. The reason is that at many clubs the golfer has learned from experience that handicaps aren't kept up to date. With Minimax he knows that every score will be considered. Moreover, he knows that the number of scores he turns in will be printed for all to see. A zero in the "Scores Posted" column is inconsistent with being seen on the course. If two handicapping periods go by with no scores, then two zeros appear; the next time three zeros are registered; then four, etc. It soon becomes obvious which golfers are not turning in scores. Jim Burke, head professional at The Champions Club, says golfers are more diligent in turning in all their scores for handicapping when computers are used.

Hurry-Up Service

What happens at a club if a handicap tournament is scheduled and the handicap chairman has been out of town? Handicaps are needed in a hurry and there just isn't any way to produce them. Minimax can turn them out in twelve hours plus plane time between any city and Dallas. It likes to work on a schedule, but handicaps are calculated at the convenience of customers. If scores are mailed Sunday night, odds are that up-to-date handicaps will be posted in the club on Tuesday morning.

How about the sand bagger? Fortunately, there are not too many, but it only takes one or two to completely ruin a tournament program at a club. Why have a handicap tournament if the winner is known in advance? Can computers make such people honest? Of course not, but they do make it completely obvious to everyone — including the trophy hunter himself — who these people are. You don't have to dig through a notebook or a card file to see if a man is turning in his good scores. The best scores, which determine a handicap, are picked out by the computer and listed opposite the player's name. If he broke 70 last month (or maybe 100) that sixty-something or ninety-something had better appear. The trophy hunter knows his record is publicly displayed.

Shows Complete Record

The Minimax service includes everything a golfer could wish for. The complete record is there. A glance at the mas-



At award banquet of Southern California section of the PGA, held in April at the Riviera CC, Pacific Palisades, Paul Scott and Mac Hunter were cited for their work in the game. Scott (left, above) pro at Griffith Park in L.A. for 27 years, receives section Merit Award from George Lake, Dick Boggs, SCPGA president is in the background. (Below) Hunter (r) of Riviera gets pro-of-the-year award for 1962 from Guy Bellitt.

ter record shows how many more scores must be turned in before a 79, for example, stops affecting a handicap. The best scores which determine a handicap are chosen by the computer from most recent scores, and listed. The number of scores turned in is listed.

In addition every member receives an individual handicap card with each calculation. Printed on this card is the name of the club, date, member's name and handicap; and the pro's or handicap chair-

(Continued on page 84)



1 of 63 PAR AIDE PRODUCTS for 1963



PAR AIDE PRODUCTS CO.

296 NORTH PASCAL ST. • ST. PAUL 4, MINN.

FOR DETAILED INFORMATION WRITE FOR CATALOG

DEPT. G

10 reasons why you should call your Toro distributor before you buy any golf car

1. EASY TO DRIVE (Toro offers 1-pedal start, shift and stop plus automatic clutch)

2. EXTRA EMERGENCY STOP BRAKE PEDAL (in addition to accelerator-interlock braking system)

3. REAR ENGINE (less vibration, less heat, less noise)

4. 20 GAUGE FORMED STEEL BODY (built to last, cut down maintenance)

5. EASY ON TURF (low center of gravity and wide tires for traction)

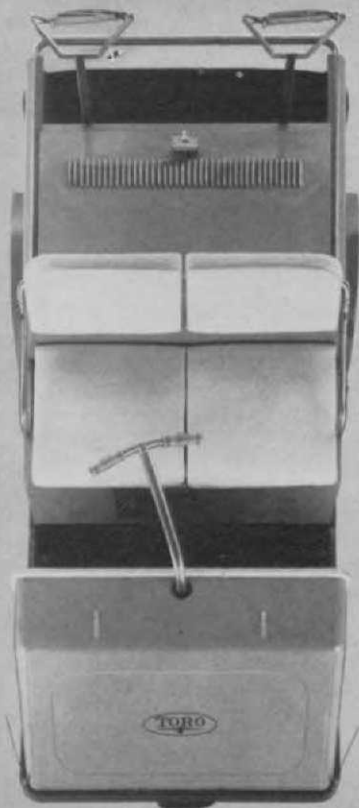
6. QUIET—YOU CAN HEAR A PUTT DROP (you can't hear Toro idle at 10 ft.)

7. PRECISE STEERING (a 2½ to 1 ratio)

8. POWER TO CLIMB 48% INCLINE (Toro's gas model has 10 hp. industrial engine)

9. GOLFER COMFORT (foam padded car-type seats, optional sunshade)

10. 72-HOLE FUEL CAPACITY (needs less attendant service; no "out of gas" distress)



ONLY TORO GOLFMASER HAS THEM ALL!

You want to find out which golf car is the best buy . . . runs most economically . . . returns more on your investment . . . gives you the least maintenance problems . . . keeps your course members and golfers happy.

That's just smart business. Especially if you're thinking in terms of a fleet of golf cars.

Toro Golfmaster[®] has quality features you should see and try. They'll stand up against any competition. Your Toro distributor will demonstrate them all . . . FREE, on your own grounds, without obligation.

He's also ready to give you a FREE course analysis to find out the number and kind of golf cars that will be most profitable for your course. Case histories of Toro Golfmaster fleets in use today verify his experience.

Whether you purchase or lease, choose gas or electric cars, he can show you the fleet financing plan that fits your specific needs.

Like a demonstration? Call him . . . his name and number is on the next page.

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