

# America's Golf Car Styling Sensation

*The exciting new*

## LECTRACAR Diplomat II



## More than ever, Aristocrat of the Fairways

- Lightweight fiber glass body—tough, dentproof, won't rust ever
- Plays up to 54 holes—or more—on one battery charge
- Dependable, responsive direct gear drive—no belts or chains
- Newly designed foot control—press toe down to accelerate, lift foot off for smooth, turf-saving stops
- Only 10% down, 2 full years to pay on Sears Easy Terms

Sold Exclusively by **SEARS, ROEBUCK AND CO.**

**FREE!**

Color  
Brochure

All the exciting features of the LECTRACAR Diplomat II . . . and its lower-priced companion, the LECTRACAR Tuffy.

Send to SEARS, ROEBUCK & CO., Dept. 139, Chicago 7, Ill.  
Please send free copy of LECTRACAR Golfer Brochure  
6694GM—right away!

Name .....

Rural Route ..... Rural ..... P.O. ....  
Box No. .... Box No. ....

Street Address .....

Post Office ..... State .....

6694GM Paste on back of 3c postcard

# For LONG-TERM CONTROL



Check your  
**Dolge supply list**

**Weed killers**

**Insecticides**

**Mole and gopher killers**

**Golf ball cleaners**

## **Rid Turf of Insects**

### **SOLEXTO**

For turf use—Kills Japanese beetles, chinch-bugs and other insects. Dilute in up to 400 parts of water.

## **Eradicate Weeds on Parking Lots, Roads**

### **S.S. WEED KILLER**

Soil Sterilant—Speedy killer of all types of weeds. Keeps parking lots, drives, walks, gutters clear. Spray or sprinkle. Dilute in up to 40 parts of water.

## **Free Turf of Dandelions, Plantain**

### **E.W.T. (2,4-D) WEED KILLER**

Selective—Attacks weeds only. Rids turf of undesirable growth without injuring good grass. Non-poisonous. One gallon to 3 acres. Dilute in up to 400 parts of water and spray.

## **Exterminate moles and gophers**

### **NOMOLE**

Chemically treated grain. Exterminates moles, gophers, prairie dogs, field mice and other pests. Place in holes or nesting areas.

## **Clean Golf Balls Thoroughly**

### **DOLCO PINE CLEANER**

Safe in any machine; has pine aroma; efficient and agreeable.

*For literature on above products write to  
The C. B. Dolge Company, Westport, Conn.*

**Dependable**  
**DOLGE**

TRADE MARK

Another point in the cultural control program is the development of resistance grasses. Actually, we have just barely touched the surface on this and, of course, much research could be done, particularly in screening new grasses or new sections against disease organisms.

There are about 15 major diseases and perhaps 100 to 150 different organisms involved. Of course, it is a rather difficult job to put new grasses and new selections through a research program, knock them out with the disease and then get them to survive. This has not been done very often in the past but, as I said, it is being done more and more today.

I would say that there are many different grasses throughout the U. S. which should be collected together at several centers and developed commercially — put into breeding programs.

I have visited many courses and at one course, for instance, we used maybe 20 applications of fungicide in a season. Down the road perhaps a mile was another course, equally well kept, greens in perfect shape and it used only five applications of fungicide. The difference in many cases is simply a difference in cultural programs.

Therefore, I think that the fungicides are secondary to a good maintenance program and, certainly, a good fungicide under poor cultural conditions will not do a good job.

## **Cameron Henderson, supt., CC of**

**Buffalo, N. Y.:** Once it took six men an hour to hand fork a green. Today, one man aerifies a green in 30 minutes. That doesn't mean that we can constantly cut down on the number of employees needed to operate a course efficiently. As I see it, the time saved on one job should be allocated to others that often are woefully neglected.

## **How the Landscaper Paints Pictures with Plants**

**By CLARENCE GOTTSCHALK**

Director, Morton Arboretum, Lisle, Ill.

My definition of landscaping is the creating of pictures by designing or changing a site and selecting an arrangement of plants on that site to accomplish the purpose for which the planting is designed, as well as give an aesthetic effect that is pleasing to behold.

HERE'S THE  
*Lewis Line*  
FOR 59!



## "REGULATION" FLEXIBLE FIBERGLASS FLAGPOLES

AVAILABLE IN 5', 7' and 8' LENGTHS

Lewis Flagpoles always remain straight, won't rust, rot, kink, and are unaffected by weather. These featherlight poles are permanently molded in white and striped with an indestructible red or black epoxy plastic.

\*at your distributor or f.o.b. Watertown, Wis. Packaged 9 per carton only.

## "REGULATION" BALL WASHER and TEE ENSEMBLE

Now, With Long-Wearing Nylon Brushes  
(Interchangeable in all new style washers)

Pro and duffer alike appreciate the really clean balls washed with the Lewis Washer. Tamper-proof, weather resistant, durable, low cost.

For a well-dressed course, see the complete ensemble which includes: washer and data plate with interchangeable numbers, waste container, and tee towel . . . all mounted on a sturdy tee stake.

only  
\$3.84\*  
each  
7' length



## CONTAINER DEVELOPMENT CORP.

- 415 Monroe Street
- Watertown, Wisconsin
- 

The plan for any planting should be mapped on paper and some thought given to the effect a group will give rather than just put a group of trees out to provide more shade.

Certainly grading is very important on some sites. You cannot always do unusual grading, but where a site can be made a little unusual, then it should be done. Of course, grading should be in keeping with surroundings. But if you can get something following lines and contours, then it makes it much easier to get individual effects when you start planting.

### Careful Selection

A landscaper paints pictures. He uses plants to paint them with. A landscaper studies plants from the effect they give as a mass in the spring and fall and even in the winter. He has to know what they ultimately will do in connection with the landscape, what effects they will give. A very careful selection of plants to give the effect he is trying for is very necessary.

After you have decided on the group and type of plants you want to use, arrangement of the group is very important. Haphazard arrangement is a big waste of money.

Each planting should have a purpose.

1914

**FULNAME**

1959

**Original Ball Marker**

*The rolling die does it!*

**3 TYPE SIZES**

**Small — Medium — Large**

Box 178

Cincinnati 6, Ohio

## HINES GRASS NURSERIES

Bents-Bermudas-Zoysia  
Congressional (C-19) Bent  
(Originator & Founder)  
Arlington (C-1), Cohansey (C-7)  
and Pennu Stolons

Finest stolons money can buy at reasonable prices. 34 years growing selected grasses

**REUBEN P. HINES (Owner)**

Life Member — Mid-Atlantic GCSA

Brookeville, Md., Route 97

Phone Spring 4-9821

Phone Oliver 4-5407

# Fairway Mowing-Rough Control-Leaf Mulching

## WOOD'S ROTARY MOWER SHREDDER

... does them all ... Fast and Economically!

Free-swinging blades do a thorough, high speed shredding and mowing job. Wood's mowers fit any tractor with standard PTO. Easy height adjustment. It's the "work horse" of your maintenance equipment.

**WOOD BROTHERS MFG. CO.**

19904 South 4th Street

Oregon, Illinois

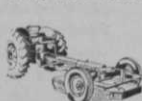
27 MODELS AND SIZES TO CHOOSE FROM—ONE, TWO AND THREE BLADES—MOUNTED AND PULL TYPE.



MODEL 42 3-1/2 ft. swath



MODEL 59 5 ft. swath



MODEL 60 5 ft. swath



MODEL 80 6-2/3 ft. swath



MODEL 114 9-1/2 ft. swath

WRITE FOR FREE DEMONSTRATION

There is a Wood's mower to fit your golf course need and budget.



## BENT GRASS STOLONS

- Washington • Cohansey (C7)
- Congressional (C19)
- Arlington • Pennlu

Our stolons are true to name, weed and seed free and in vigorous growing condition. As a proof that we know how to keep our strains pure, our present Washington exactly matches that we sold in the 1920's.

A Reliable Source of Supply Since 1920

**HIRAM F. GODWIN & SON**

22346 Grand River Ave.

Detroit 19, Mich.

I believe that no planting should be made around a home, or in a park, golf course or cemetery unless it has some purpose for being there. Of course, its purpose could be one of many. It could be purely for shade, to frame a view or to form a barrier.

There are at least five main factors in landscaping

### Simplicity Is First

The first of these is simplicity. You cannot take a planting group and mix up a great many different species, forgetting texture, forgetting color effects. There has to be, perhaps, one predominant thing in that group, supplemented by secondary features.

Unity of scale is very important. You should not mix catalpa leaves with willows and with things where you have tremendous differences in textures. Not only that, but you have to scale the plants to the objects that you are using them around. For instance, in working around a small pond you would not use great big weeping willows.

There also has to be balance of the amount of planting in relation to that pond. For instance, if I were working on a group of plants and wanted balance in that group, there would be one outstand-

ing plant which would be the accent point. Then, if a line were drawn through the accent point, plants on either side of it should balance off, so that I would have, when you looked at the scene, a line of balance on each side of the focal point.

There should be a point of focalization. That is, if you are creating a view, there should be something to arrest attention. Otherwise the eye wanders off to lateral objects. It doesn't become focused on the feature which should attract attention.

The fifth point is sequence. If you are framing a view, you don't want plants in the frame that are more attractive than those to which you are trying to call attention. You have to keep the frame somewhat subdued and its sequence of planting built up to the central point of interest.

**Eberhard Steiniger, supt., Pine Valley:** In the early years we had Kentucky blue and red fescue turf on our fairways. Demand for closer cutting brought poa in the spring and crabgrass in the fall. This seemed to call for conversion to bent. For 10 years we seeded, sodded, stolonized but in the summer, when we needed good turf, disease, insects and thatch took their toll and in the fall we had to start all over again.

## **We're Progressing But We Still Have Problems**

By **GEORGE LANPHEAR**

Supt. Knollwood GC, Granada Hills, Calif.

The old supt. with his secrets lived in a world of his own, disregarding the progress made in many areas of maintenance. For him the fertilizer program was still alternating applications of sulfate and steer manure. The old way was the best way, new methods were unrealistic.

This type of individualism existed in my area until 1949 when the GCSA held its annual conference in L. A. This was the first time a conference had been held on the West Coast. From that year on we started to make progress. In 1956 in Long Beach, the educational section of the program met with tremendous support in Southern California.

### **Trouble with Greens**

Even though we have progressed greatly we're still having trouble with greens during adverse weather. Granting that we have heavier play, which results in

---

# **Vertagreen®**

---

## **will make your**

---

## **turf the greenest**

---

## **green you've**

---

## **ever seen!**

---

If you want thick, lush turf . . . a course as luxurious as fine carpet . . . grass that can stand up under hard play and adverse weather conditions...*put down Vertagreen!*

It builds strong, healthy grass from the roots up . . . develops deep-reaching root systems that make use of the moisture and plant food in the soil.

**Order**  
**from your**  
**Dealer**  
**Now**



---

**ARMOUR FERTILIZER WORKS**  
**Atlanta, Georgia**

---



# EVEN A CADDY CAN'T MOVE AS EASILY AS THIS CART

sell your players the

THE  
BEST  
CADDY  
CART  
SELLS  
FOR  
LESS



## IT FOLLOWS LIKE A FEATHER

Your players deserve the best available cart at the lowest price—and you can be sure they'll buy! The STOWAWAY is English-made, and costs less than any cart with comparable features. Remarkable easy-rolling lightweight design makes the STOWAWAY a favorite of women players. Tubular steel construction, ball bearing wheels, wide semi-pneumatic tires, expandable axle, easy-grip handle, and unique design make it easiest of all to use. 3-year guarantee. Compare features, compare prices—select the STOWAWAY.

WRITE TODAY FOR FULL INFORMATION

**SPORTS INTERNATIONAL**  
P. O. BOX 356 • OAKLAND 4, CALIFORNIA

compaction and Poa Annua invasion, there are certain basic practices that, in all probability, are known or could be found which would alleviate bad conditions.

With all our knowledge and progress in research on the solution of these problems, we are still experiencing difficulties with our putting greens. I would, therefore, like to see our national group undertake a survey of this situation and come up with really concrete recommendations. At the same time I believe it would be advantageous to determine percentage of national members that are having trouble with this problem compared to the percentage of non-national members that are having difficulties. I am positive that we, with the educational advantages of the national organization, will be found to have less problems of this nature than non-members. As one can clearly see, along with the educational advantages of this survey, the national will obtain information that will help to sell it to prospective members.

### Recommends Labs

With proper equipment, a supt. could carry on accurate programs in fungus, insect, and weed control and soil sterilization. Each supt. should have available to him colored microscopic slides of infestations that are found in his particular area. Also, an accurate file system of all treatments used on the turf throughout the year should be compiled.

I am sure that the local dealer of fungicides, insecticides, weed controls, and soil sterilant materials will help us with pictures, material, and other information that can be used to help supply research departments.

Many of us are not exacting enough in application of the materials that are being used. Although the manufacturer usually gives written instructions on the preferred manner for use of a particular chemical, the difficulties of practical application would be less tedious if a trained employee of the manufacturer were in the field ready to help the superintendent in his particular problem. In this manner both the company and the supt. would mutually receive benefits, and many unfounded criticisms of the material due to improper application would stop.

Many university horticultural departments are attempting to develop proper turf for different climatic conditions. This type of study is particularly helpful at many of the older courses which have grasses that are not adapted to the climatic condition in which they are grown.

## CDGA Discusses Golf Cars

(Continued from page 51)

worth said, approaches to bridges have been asphalted along with paths leading up steep hills and to elevated tees. Bridge approaches, incidentally, should be built in large fan shapes so that wear and tear aren't concentrated in any one spot.

### Driver Education Recommended

It is Brinkworth's opinion, that there is still quite a bit that can be done in educating drivers how to handle cars. He recommends that all drivers be checked out on proper starting and stopping, turning and parking maneuvers and also be fully informed as to why certain parts of the course have to have some kind of traffic restrictions.

Edgewater GC, the home club of Chick Evans and thereby the cradle of the caddie scholarship plan, debated for a long time before allowing golf cars to be used, according to Russell Head of the committee. But members voted overwhelmingly in favor of the vehicles and they were brought in. At first, a medical statement was necessary for ownership but now there are no restrictions.

Owners pay \$200 yearly for storage and service. There are more than 50 cars at the course and garaging is becoming something of a headache. However, a new garage probably will be built in 1959 at a cost of about \$25,000, but since the golf car operation is a profitable one for the club, this cost will be rather quickly amortized.

Gerald Dearie, Edgewater's supt., pointed out that since the course covers only 92 acres, traffic is more concentrated there than it is at most clubs. Cars were first confined to the rough, then permitted to be used on the fringes of the fairways but now they have the run of the course except, of course, for areas around greens and tees. Overall damage to turf has been less noticeable since the drivers have been given freedom of the fairways.

### Boon to Elderly Players

"Contrary to what you may have been led to believe," Dearie said, "cars do less damage during wet weather than they do when the ground is extremely dry and the grass is showing signs of wilting." Golf vehicles, Dearie concluded, make possible many rounds that otherwise couldn't be played, and the fact that they are a boon to older or handicapped golfers should always be taken into consideration when their desirability is discussed.

## VALUABLE DEALER FRANCHISES AVAILABLE

FOR

# PARGO

## THE FINEST IN ELECTRIC GOLF CARS

---

THESE OFFER OPPORTUNITY  
FOR PROFITABLE  
DEALERSHIPS

---

WE HAVE AN EXCELLENT  
FINANCING PLAN

---

WRITE — WIRE — PHONE  
NOW  
FOR INFORMATION

BE READY FOR THE  
SEASON JUST AHEAD

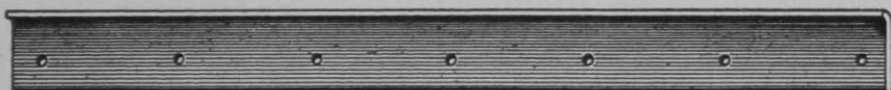
---

## COLUMBIA CAR CORPORATION

P.O. BOX 86 GROVETOWN, GA.

Phone Augusta (GA.) Regent 3-0368

## LAWN MOWER STATIONARY BLADES



**CUT COSTS** — as well as grass with JONES Blades. Hundreds of Golf Courses in every section of the country are saving thousands of dollars by buying direct from the manufacturer.

**30" Heavy Duty Gang Mower Blades \$5.04**

**Putting Green Mower Blades \$3.69**

**MAY WE QUOTE  
ON YOUR BLADE  
REQUIREMENTS?**

**JONES MOWER AND  
EQUIPMENT CO.**  
Grasslyn Ave., Havertown, Pa.

**FINEST GAULITY.  
YOUR SATISFACTION  
IS GUARANTEED.**

Car ownership and traffic at Lake Shore CC, according to Robert L. David, always have been governed by a very explicit set of rules. A 22-page booklet listing them is available from the club, although the supply is limited. Co-ownership by two families is permitted and cost of garaging and servicing is paid entirely by car owners. David said that although it is impossible for a club to dictate to members what kind of a car they should buy, he thinks it is desirable to have only one and not more than two models because of maintenance considerations.

Adolph Bertucci, Lake Shore's supt., said that the advent of cars resulted in the building of some sorely needed bridges at his club. Carways also were built at a surprisingly low cost. The 26 cars at the club are housed in eight garages and eight more will be built to take care of an anticipated increase in vehicles.

In the question and answer and discussion period that followed the panel treatment of the golf car situation, these things were brought out:

Many younger players (35 and under) particularly like to use cars for twilight golf so that they are sure of getting in 18 holes.

Some insurance companies include golf car protection in regular automobile insurance policies. It is advisable to check your policy or consult your agent to see if you have this extended coverage.

If the supt. closes the course to car traffic in the morning he should remain on the premises in case conditions change so that the restriction can be lifted in the afternoon.

Serious rules violations should be dealt with by the golf car committee.

Clubs should take all possible precautions to prevent theft or vandalism.



Installation at the Country Club of Charleston — by Carolina Cement & Supplies Co., Charleston, S. Car.

*Full information on request.*

### **Modern clubs Birdie their bag handling costs with vertical BAG RACK storage systems**

Designed by golf equipment engineers — BAG RACK is orderly, self ventilating and permanent. Upright, full vision storage speeds bag service. Adjustable for all bag styles and areas.



"RACK YOUR BAGS — NOT YOUR BRAIN"

**BAG RACK  
PRODUCTS**

**NORMAN G. COPLAND & ASSOCIATES**

2141 W. Lawrence Ave., Chicago 25, Ill. UPTown 8-7500



We'll Plant Your Greens To

**TIFTON 328**

(Tifgreen)

**SOUTHERN TURF NURSERIES  
of Tifton**

*"The South's Turf Headquarters"*

P. O. Box 569 — Tel. 616

Tifton, Georgia

Ray Jensen, Agronomist

**Grau's Answers**

(Continued from page 52)

Bermuda makes good golf turf and they are sprigging it into their fairways. I shall be most interested to learn more about your situation and to what extent the Bermuda is undesirable. How large is the area that is being invaded and how long has the Bermuda been there? A sample of the grass will be appreciated.

Q. I am writing for information on killing silver crab growing in Washington bent greens and on the aprons. Mercury preparations used weekly have controlled growth of regular crabgrass very well, but silver crab has caused a great deal of trouble. In 1957 was used disodium methyl arsonate and had some success with silver crab when we used the material regularly each week. Last year we used another brand of D.S.M.A. regularly each week but had very little success. I understand that one brand containing 2, 4D can be used to control silver crab but I wonder if the amount contained would damage our greens.

Also, we plan to rebuild a green which lies in a hollow with trees on three sides. Very little air gets through and during the hot, humid months we have trouble with disease. We plan to rebuild, getting better drainage, and also cut a path through the trees to get a flow of air. Is there a bent grass such as C-1 or C-7 that

would withstand this condition better than Washington? (Ind.)

A. First of all, I advise you to stay with Washington bent. Washington is an excellent grass when properly handled. This entails generous feeding because it can utilize rather large quantities of nitrogen fertilizer. Good feeding will help any good grass to crown out weeds.

Second, I advise you to examine your methods and see whether or not you are planting silver crabgrass seeds on your greens. If you are applying unsterilized topdressing, then you are planting the weeds. I suggest that you sterilize topdressing by using the cyanamid method or the Dowfume method so that you begin to cover any viable seeds that are in the greens and completely avoid planting any more.

I believe that, used judiciously, disodium methyl arsonate preparation with 2, 4D does a good job on the silver crab in Washington greens if they are good and healthy. A preparation of this kind easily could knock out the grass if it is weak, as you infer, on the green that you plan to rebuild. Keep in touch with Purdue University for late information on fighting silver crabgrass in greens.

Your plan for rebuilding the green down in the hollow sounds good. I do not believe it would be wise at this time for you to change to another Bent. It is preferable to have the same kind of grass on all the greens to give the members uniform putting conditions.

*For better and more economical golf ball washing*

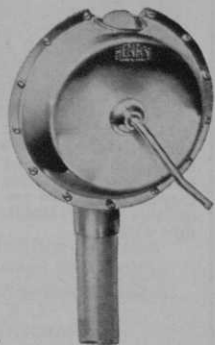
**HENRY Golf Ball WASHER**

- Will dress up any course • Dirty water will not splash • Heavy gauge steel • **NEW** improved insert in rubber squeegee • Oil impregnated bearings • No brushes to rot.

**A. C. Schendel, Distributor**

R.R. 5, Box 92, Waukesha, Wisconsin

Dealers in all principal cities



**BALL  
WASHER**

**\$14.75**

Prices F.O.B.  
Waukesha, Wis.

In answer to demand, Introducing the

## COMBO CART



A golf bag and  
Cart in one low  
cost unit

- 14 Club capacity. Vinyl bag.
- 12" Wire wheels
- Pockets large enough for shoes, balls, etc.
- Amazingly lightweight — approximately 11 lbs.
- Folds to just 8" wide — carries by its handle.
  - Fully guaranteed.
  - All parts easily replaceable. Bolted construction.
  - Zippered hood available.

Model 400 Combo Cart  
(pictured)—\$27.95 retail

No finer cart made at the price

Other carts at \$39.95 and \$45.00 retail  
Write, wire or call for full information and discounts

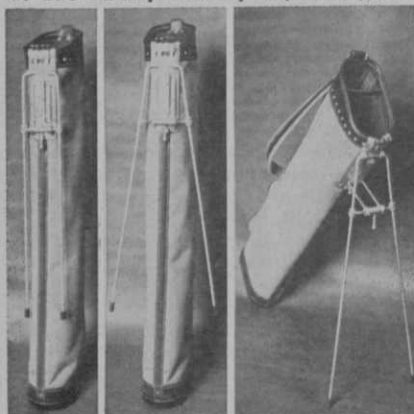
## TONY KART MFG. CO.

ROCKWELL CITY, IOWA

### "STANDFAST" GOLF BAG SUPPORT

(Patented)

AT LAST — A truly satisfactory inexpensive support.



#### STORING

Legs Held  
Against Bag

Easily attached to most  
types of bags.

Cadmium plated steel construction; strong; durable; light weight.

Quickly operated

Price—with bolts & eyelets—\$3.75 FOB

Quantity discounts to Pros & Dealers

C. E. WALTON

HAMILTON, GEORGIA

#### CARRYING

Legs Against Bag  
No Flapping

#### SUPPORTING

Firm Stance  
No Slackness

Can't accidentally be detached or fold up.  
Can be detached or re-attached quickly with a ten cent coin.

Has tee holder

## Metropolitan Golf Association Completes Third Volume on Club Operations

THE FINAL volume of the club operation survey of the Metropolitan Golf Association, undertaken in 1957, has been completed. This volume, third in the series, covers nine subjects: Committees, Delinquent Accounts, Minimum Charges, Pro Shop, Course Maintenance Costs, Starting Times, Half Way Houses, Practice Area and Federal Taxes. The subjects are numbered from 22 to 30, following in order the sequences of the earlier two volumes.

Under the heading of Committees, the MGA report says that 91 per cent of the clubs have admissions, entertainment and house committees and 90 per cent have golf and green committees. There are auditing or finance committees at 80 per cent of the Metropolitan member clubs. Fifteen other types of committees are listed, with percentages of clubs having them ranging from 8 to 73.

### Delinquent Accounts

Persons who are delinquent in accounts receive rather harsh treatment from the clubs. Second notices go out at 94 per cent of the clubs if accounts aren't paid within a stipulated time. The time interval usually runs from 15 days to two months. Delinquent members are posted at approximately three clubs out of five and at more than four out of five, members who don't pay up are suspended. About 30 per cent of the clubs hand over slow-pay accounts to outside collection agencies.

Minimum charges are made at only about one out of ten clubs, although others indicate that they are on their way in. This information was collected, by the way, shortly before the Internal Revenue Service ruled that such charges are subject to a 20 per cent tax. Clubhouse closing, also covered in this section, indicates that 10 per cent of the clubs are closed through the winter and that about two out of five are closed for two or three weeks during January. Nearly 90 per cent observe the traditional Monday closing during the season. Practically all clubs have specified dinner hours and quite a few don't serve luncheon after a specified hour.

The pro operates the shop at practically all the clubs and in 85 per cent of the