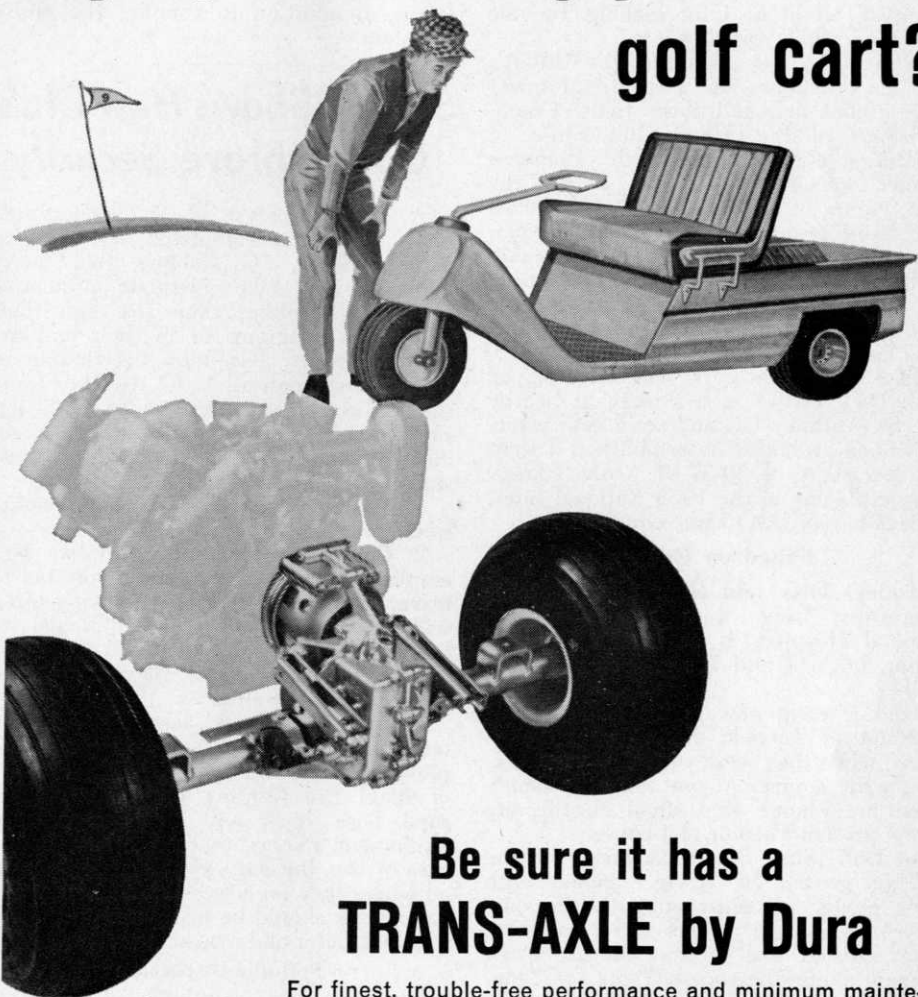


# Buying or leasing your own golf cart?



## Be sure it has a **TRANS-AXLE** by Dura

For finest, trouble-free performance and minimum maintenance, choose a golf cart with a "Fluid Torque Converter Trans-Axle" by Dura. This new, advanced-design Trans-Axle transmits power *directly* to the rear wheels—minimizes wheel slippage and consequent damage to turf. Chains and belts are eliminated . . . reducing power train maintenance and repairs. For information on golf carts (electric and gas) equipped with Trans-Axle.

... write ... wire ... phone ...

**PARIS PRODUCTS DIVISION**



**DURA CORPORATION**  
PARIS, KENTUCKY

64-T-2

children — Stan, Jr., Irene and Dick. Of Stan, the unassuming assistant supt. at Taconic since the course was built in 1926, "Bax" often said: "He deserves as much credit as I for making Taconic the wonderful layout that it is."

Irene, who has played in the USGA's Women Amateur, has a record of never having been defeated in the Junior Championships of the Allied Golf Clubs of Berkshire county. She holds Taconic's women's record — a 74. Stan, Jr. was the first winner of the Berkshire Interscholastic Championship in 1949. The same year, Irene won the school girl championship and held on to it for another three years. In 1950, Dick succeeded Stan as the Interscholastic titleholder and two years later he won the tournament again.

Back around the early '50s, Dick played with Dick Baxter in a pro-am at nearby Mt. St. Anthony CC and set a course record. Soon after this he established Taconic's low score of 30-37-67. Only Tommy Aaron, playing in the 1958 National Intercollegiate (NCAA), has equalled it.

#### **Raised on Course**

Today, Dick and Stan play to three handicaps; Irene, a nurse at Pittsfield General Hospital, is at best a weekend golfer, but 76s and 78s aren't uncommon for her.

Dick Tworig now is his Dad's No. 1 assistant at Taconic. Stan, Jr. and even Irene, when they were younger, also worked on the course. At one time the family lived in a house that stood on the site of the present Taconic clubhouse.

In 1927, Stan, Sr., better known to the golfing gentry as "Twig," joined with Dick Baxter in constructing the Taconic layout. When the project was completed, Dick insisted that he stay on and assist in maintaining the course. Years ago, Stan, Sr. was initiated into the Northeastern GCSA. He was the first and last assistant supt. to be taken into that group. Tworig never resented laboring in Dick Baxter's shadow. "He's a great guy," says Twig, "a big man in every respect. You don't resent being the No. 2 man when Dick Baxter is a notch ahead of you."

Rudy Goff, Taconic's new professional, has been in the golf business for nine years. He was at Stockbridge (Mass.) GC for three years before resigning to take his new position. In the wintertime, he teaches at DeLand (Fla.) CC. A native of Johnstown, Pa., Goff worked for Henry P. Schneck of Berkley Hills GC in that city upon breaking into golf, and later

served as an assistant at Westbrook CC, Mansfield, O., and Westwood CC, Rocky River, O. At Taconic, he will coach the Williams College varsity and freshman teams in addition to running the club's pro shop.

## **Survey Shows How Club Can Improve Security**

A security analysis of 25 Chicago area clubs that was completed last fall by Kane Service, Inc., shows that many clubs do not take adequate protective measures in either their fire and theft prevention programs or in their employment practices. Based on his finding in making the analysis, L. O. Lemke, Kane safety director, says most clubs could improve their grounds and clubhouse security if they were to adopt these measures:

1. Design a special hiring application form.

2. Conduct termination interviews with employees who resign or are requested to leave. The employee who is leaving often will feel free to talk and will reveal information that a manager or official should know, or make suggestions that could benefit the club.

3. All clubs should install a fire protection and prevention program. Employees should be instructed in the use of hand fire fighting equipment, stand pipe hose lines and other emergency equipment. Phone numbers to be called in case of fire, burglary, etc., should be posted where they are accessible to employees. Employees should be instructed in the use of an inhalator and resuscitator.

#### **Periodic Inspection**

4. Storerooms, basements, out buildings, etc., should be periodically checked to determine that good housekeeping is being maintained.

5. Liquor store rooms and pro shops should be adequately protected.

6. Lock and key programs should be completely checked. A failing at most clubs is that no one person has complete control over all locks and keys.

7. Newly elected officers should be immediately briefed on the various security measures that are in effect.

The Chicago District GA made arrangements for Kane Service, Inc. to make security checks of member clubs that requested them.

# NOW MORE DRIVING POWER IN THE NEW TROJAN 217



**All new... all dimensions the same except 1½ inch higher  
... delivers nearly 40% more capacity ... fits most golf cars.**

With 217 Ampere Hour capacity this battery is engineered for top performance on the most difficult terrain. It gives more holes of golf... and the reserve capacity reduces deep cycling, adding many months to the battery life.

The new Trojan 217 "Mileage Master," like the "170" and "190," features quarter-turn vent caps that reduce service time 75%. Write for complete details.

**TROJAN BATTERY COMPANY, 724 EAST 61ST STREET, LOS ANGELES 1, CALIFORNIA**

# 'Wonderful World' Series Starts January 19



A 12 x 18-inch counter poster that publicizes Shell's 1964 "Wonderful World of Golf" series has been sent to every club in the country, including Par 3s. The mailing of the posters was made with the assistance of Golfdom.

Attached to each poster is a pocket that contains wallet card schedules of the Shell series.

The Wonderful World color telecasts start on Sunday, Jan. 19, over the NBC-TV network. Thereafter, nine matches pitting U.S. stars against leading foreign players will be seen. There are only two exceptions to this format. On Feb. 6, Canadian Stan Leonard duels his fellow countryman, George Knudson, and on Mar. 29, the series winds up with Jack Nicklaus playing Sam Snead. On Jan. 26, Shell makes a departure from the all-male sequence by presenting Mickey Wright against Brigitte Varangot.

Julius Boros, U.S. Open champion, gets the series underway with a match against Miguel Sala at CC de Bogota, Columbia. Thereafter, Wonderful World presents these contestants:

Jan. 26—Mickey Wright vs. Brigitte

Varangot, Clube de Golf do Estoril, Portugal

Feb. 2—Dave Marr vs. Flory Van Donck, Royal Golf Club de Belgique, Belgium

Feb. 9—Gene Littler vs. Eric Brown, Gleneagles, Scotland

Feb. 16—Stan Leonard vs. George Knudson, Capilano G & CC, Canada

Feb. 23—Tony Lema vs. Chen Ching-Po, Kawana Fuji Course, Japan

Mar. 1—Doug Sanders vs. Juan Rodriguez, Dorado Beach, Puerto Rico

Mar. 8—Bobby Nichols vs. Jacky Bonvin, Crans-sur Sierre GC, Switzerland

Mar. 15—Dave Ragan vs. Bob Charles, Royal Lahaina GC, Maui, Hawaii

Mar. 22—Johnny Pott vs. Kel Nagle, Delhi GC, India

Mar. 29—Jack Nicklaus vs. Sam Snead, Pebble Beach, Calif.

## PGA to Hold Five Tournaments in Palm Beach Gardens

Five tournaments and several special events have been scheduled for the PGA National GC, Palm Beach Gardens, Fla. for January and February.

Here is the tournament schedule:

PGA National GC Match Play — Jan. 15-19. Purse \$10,000. Sponsors: E-Z-Go Car Div. of Textron and the PGA. This is a new event.

PGA National GC Championship — Jan. 28-Feb. 2. Purse \$25,000. Sponsors: First Flight Co. and the PGA.

Senior-Junior Best Ball — Feb. 6-7.

Quarter Century Club Championship — Feb. 13-14.

PGA Seniors Teacher Trophy Championship — Feb. 20-23. Purse \$30,000. Sponsors: Wm. Teacher & Sons, Ltd., Glasgow, Scotland and the PGA.

Clinics and seminars organized by Johnny Vasco, Lehigh CC, Allentown, Pa. and sponsored by the PGA, will be held during January and February. The PGA golf merchandise show is scheduled for Jan. 28-Feb. 1.

For the sixth straight year, First Flight Co. will co-sponsor the \$25,000 PGA National Club Championship, which is often referred to as the pros' own tourney. John Barnum of Blythefield CC, Belmont, Mich., is the defending titleholder.

The Senior-Junior Best Ball event will be sponsored for the third straight year by the Fawick Flexi-Grip Corp. This is a 36-hole tournament.





**Tom McHugh**  
Tanforan G. C.  
San Bruno, Calif.



**Joe Higuera**  
N. P. Grad. Sch. G. C.  
Monterey, Calif.



**William T. McDewitt**  
Moornings C. C.  
Naples, Fla.



**George Lake**  
Muni. G. C., Anaheim  
& Long Beach, Cal.



**John Hoetmer**  
Sand Point C. C.  
Seattle, Wash.



**Marion Pfluger**  
Pinehurst C. C.  
Littleton, Colo.



**Charles "Bud" Finger**  
Dept. of Athletic G. C.  
Stanford University



**Pat O'Brien**  
Moffett Field G. C.  
Moffett Field, Cal.



**M. E. "Bus" Pendleton**  
Bing Maloney G. C.  
Sacramento, Calif.



**Earle Hallquist**  
Santa Teresa G. C.  
San Jose, Calif.

## These professionals report

# *ConVoy* rental carts first choice for profitable operation!



ConVoy's durability and maintenance-free operation wins and keeps the approval of people who really know the score . . . like these leading professionals who all agree that feature by feature ConVoy outscores every cart they've ever used.

**"No repairs in eight years of operation",** says one professional with 60 ConVoy's.

**No loose parts . . .** Golfer slips bag handle over special bracket and he's on his way. No straps or springs . . . Nothing to lose!

**Fewer stolen carts . . .** ConVoy rentals won't fold, are hard to steal. Player gets cart handle when he pays fee plus deposit.

**Members like to use them . . .** ConVoy is light, easy to pull. Players like stroke counter and cigarette-tee holder on handle.

Find out what this rental cart can do for you. Mail this coupon for complete information plus rental plans used by top clubs.

**PRODUCT ENGINEERING CO.,** Division of NWI  
4707 S. E. 17th Ave., Portland, Oregon 97202

Please send facts and figures on ConVoy rental programs and rental carts.

Name \_\_\_\_\_

Name of Club \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_



Skeeter Lewis (r) checks the 14th green with H. L. Bird, a Twin Oaks member who is something of a turf fancier.

**J.** B. (Skeeter) Lewis has been a turfman for nearly 30 years. Like 99 and 44/100 per cent of the men who have made green - and fairway-tending their life's work, Lewis never was exactly overwhelmed with kind words as to the condition of his putting plots until late last summer when praise suddenly came from two rather widely separate sources. One was the best known golfer of the last decade and possibly of all time; the other was an agronomist who hardly needs to be introduced.

The golfer was Arnold Palmer. After playing an exhibition at Lewis' Twin Oaks CC in Springfield, Mo., Palmer made it a point to look up Skeeter and tell him: "I can't remember of ever having played on better greens than you have here."

The agronomist was Fred V. Grau, who after travelling extensively in the Midwest last summer, said in September: "Skeeter Lewis has done an unbelievably fine job of bringing the Twin Oaks greens through the summer heat. A fellow is lucky just to keep turf where he is located, let alone bring it along as beautifully as he has."

A glance at the map will show that Twin Oaks is located in what is regarded as a July and August graveyard latitude.

## How Lewis Battles Blight in Missouri's **GRAVEYARD LATITUDE**

*Pulling Twin Oaks' greens through in dreadful summer of '63 was a feat that has been acclaimed by two specialists on putting plots*

By **JOE DOAN**

Even at night temperatures don't usually drop below 85 or 90 degrees during these two months and, more often than not, the high noon humidity reading is in the 90-95 per cent range. Helminthosporium, dollarspot, brownpatch, pythium and a few other diseases can drive a fellow to drink whatever fungicide he hasn't already sprayed.

### Heavy Summer Treatment

Lewis treats his greens with insecticides and fungicides at least 10 or 12 times a year. Beginning on approximately June 15, the most important date on the maintenance calendar so far as he is concerned, he applies both Cal Chlor (1 oz. per 1,000 sq. ft.) and Kromad (1½ ozs. per 1,000 sq. ft.) from every 9 to 15 days through mid-September. Chlordane is applied once a month through the summer at a rate of 1 lb. per 1,000 sq. ft.

To put Twin Oaks' complete greens maintenance program in perspective, here is a summary of the various treatments Lewis makes:

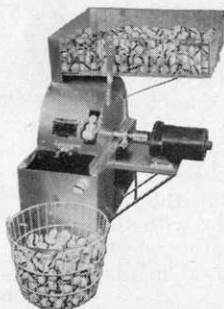
The fertilization program is started in mid-March, weather permitting, with a 20 to 25 lb. per 1,000 sq. ft. application of Milorganite. Then, through the summer, the turf is taken off of Milorganite, with iron and potash, both applied at a rate of 1 lb. per 1,000 sq. ft. seven times

# NEW!

## WITTEK JUNIOR Golf Ball Washer

—Perfect for country clubs & driving ranges . . .

- Fully Automatic
- Washes 15,000 balls per hour
- Plug into any 110 volt outlet
- Steel Construction, Zinc Coated
- Drums lined with live molded rubber
- 13 gallon water capacity
- Hopper holds 1,000 golf balls



38" high — 36" long —  
30" wide

Shipping weight approximately  
120 lbs.

### \$295.00

F.O.B. Shipping Point

# NEW!

## WITTEK Range Ball Dispenser

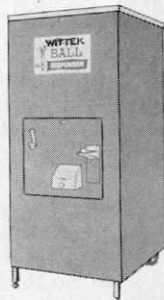
Coin or Remote Control Operation!

- Guaranteed to dispense from 15 to 100 golf balls every seven seconds (indicate number desired)
- Minimum of working parts
- Available in single or double units
- Single unit hopper holds approximately 5,000 balls
- Dispensing mechanism slides out for easy checking, replacement — or for conversion from manual to electrical operation
- Choice of coin slots — 25¢, 35¢, 50¢, 75¢ or \$1
- Water and salt resistant finish

	SINGLE UNITS	DOUBLE UNITS
Manual, coin operated .....	\$ 698.00	\$ 992.00
Electric, coin operated .....	798.00	1182.00
Electric, remote control .....	898.00	1400.00
Combination — Manual & Electric, coin operated ....	1092.00	
Combination — Electric, Coin & Remote Control .....	1300.00	

Manual and electric ball dispensing mechanisms are interchangeable and are also available without cabinets — for replacement or conversion:  
 Manual ..... \$385.00    Electric ..... \$485.00

OPTIONAL: Cabinet wheels and handles, for greater mobility, \$40.00 per cabinet, additional.



All Prices F.O.B. Shipping Point

### Visit the Wittek Golf Range Display

AT THE ANNUAL P.G.A.  
GOLF MERCHANDISE SHOW  
JANUARY 28 - FEBRUARY 1

Write for 1964 Golf Range  
Equipment & Supply Catalog!

# WITTEK

## Golf Range Supply Co., Inc.

5122-28 W. North Ave., Chicago Ill. (60639)

Telephone: 889-2911 • Area Code 312

between June 15 and Sept. 15, being substituted. Ammonium nitrate, at approximately 1 lb. per 1,000, also is applied during this period to give the turf an occasional quick pickup.

#### Light on Phosphate

Phosphate applications are minimized since they are incorporated with the fertilizers. If they are made at all they are kept on the extreme light side. In the fall, 30 to 40 lbs. of Milorganite are again applied. Application is started around mid-September and continued for a month until the treatment has been completed. If temperatures run above the 85 degree mark in mid-September, Lewis delays starting the fall fertilization schedule until they drop. If they are, say in the low 80s, initial applications are light with the buildup proceeding as the weather starts to cool. Cyclone seeders are used in distributing the fertilizer.

Last fall, Lewis carried out an experiment by applying ureaform to his No. 14 green at the rate of 10 lbs. per 1,000 sq. ft. Application was made around the middle of September and within a week or so, the normally apple green color of the C-7 putting surface deepened and assumed, in Skeeter's estimation, "the finest tone I've ever seen on any of my greens."

The color held through October in spite of the drought conditions that prevailed in the fall in southern Missouri. "This was an interesting experiment," says the Twin Oaks turfmaster. "I'm going to make a study of the green, keep records on its performance and discuss its reaction with other supts. I'm anxious to see how it comes through the winter."

#### Winter Protection

To protect his greens against the ravages of winter, which usually aren't nearly as severe as they are only about 100 miles or so north, Lewis applies 1¼ lbs. per 1,000 sq. ft. of Cal Chlor to prevent snowmold, and 3 ozs. of Kromad to offset winterkill. These applications are made in mid-November.

Lewis, who supervised construction of Twin Oaks in 1956 to the plans of Floyd Farley, topdresses as often as five times a year if weather permits. He feels that it is impossible to give a green anything like a pool-table finish if this operation isn't carried out at least four times in a season. His topdressing mixture includes two parts of sand and one of both peat and soil and is applied in March, April and May and again in September and



Palm Springs (Calif., often first when it comes to golf, has the only club in the country with its own fire engine. It's Bermuda Dunes CC. Bill Cook (l), Riverside country supervisor, Ernie Dunlevie (center), co-owner of the club, and Truman Holland, a state forest ranger, are shown with the pumper.

October. Approximately 30 days after the May topdressing and again in the fall, the Twin Oaks greens are brushed. "We hold off on the brushing," says Lewis, "until the topdressing has healed."

"Many supts. don't brush their greens," Skeeter remarks. "I don't think the topdressing job is completed until you do. Brushing helps to cut down on mat and thatch and to stimulate new growth.

#### Irrigation On Overtime

Rainfall in the Springfield area normally amounts to from eight to ten inches from June through October, but in 1963 less than four inches were recorded in this period. It was necessary to not only water every night but to considerably lengthen the time the sprinklers were kept in operation during these months. Normally, Lewis prefers to start watering shortly after sundown and to complete the job in the early morning hours because it gives the greens sufficient time to drain before play is started for the day. Scalding, too, is prevented by following a schedule of this kind. During the daylight hours the combination of 90 degree temperatures and 90 per cent humidity may require light hand watering as often as three times daily. Due to the extreme drought conditions that prevailed last summer the irrigation situation at Twin Oaks turned out to be a real nightmare, according to Lewis. The man hours required for irrigation and the cost of water completely disrupted the budget.

Twin Oaks' greens are mowed on Tuesdays, Thursdays and Saturdays through the summer at a height of ¼ inch. Prior

*(Continued on page 108)*





**WHEREVER GOLF IS PLAYED . . .**  
*Par Aide Tee & Greens Equipment*

FOR DETAILED INFORMATION WRITE FOR CATALOG

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

Warren Cantrell Heads PGA . . . Delegates Get Some Details on Palm Beach Venture . . . Make Rules Pact with USGA . . . Home Pros Frown on 16-Club Set

# New President Has Job of Improving Member and Public Relations

**W**arren Cantrell is the new president of the Professional Golfers' Association of America.

At the pro organization's 47th annual meeting, held the first week in December in Palm Beach, Fla., the modest Texan got an important, unpaid job that nobody envies.

While pro thinking and talking of the past two years were reaching a climax in Cantrell's election, PGA delegates were doing their conscientious best for section members who had appointed them to take an accurate look at how the PGA is getting along with its growing pains.

The PGA's 1963 meeting didn't reach the high level of earlier years when officials and delegates bluntly and openly engaged in discussions for the good of golf, its professionals and amateurs. It did not win the ears, hearts and minds of the press as it did one time at an annual meeting when Jack Mackie, as treasurer, diplomatically forgave another professional who admitted, after heated argument, that Jack was right in his cautious treatment of PGA funds. This occurred back in the days when the PGA's annual meetings got fairly big space in newspaper sports sections and club members cheerfully turned over the business of golf to the pros.

## Moment of Truth

However, self-appraisal and the growing-up of the PGA as representative of golf's businessmen did get near enough to the moment of truth to prompt one newly elected PGA official to say, "I am for letting everybody know everything about what the PGA is doing, except those things we absolutely have to keep quiet." Whereupon one of the holdover vice presidents remarked, "I haven't seen anything

yet that we've got to keep quiet."

Cantrell was elected by the delegates, 52-34, over Wally Mund, veteran national and sectional PGA official, who served the association as its secretary under the last term of Lou Strong. The latter retired after three terms as president.

Cantrell, pro at Meadowbrook CC, Lubbock, Tex., a veteran sectional and national PGA official, a golf course architect, builder and operator, came into professional golf from engineering work. He is faced with the task of learning what the score is on the new PGA office building, clubhouse and two golf courses at Palm Beach Gardens, and of informing members of the construction and operation budgets at the new location and other details.

## Promises Information

In closed door sessions and informally during the annual meeting, delegates made it plain that Cantrell's plan of a revolutionary improvement in the PGA publicity policy is expected to considerably strengthen the organization. The association, in Bob Russell and John Hubbard, has two excellent publicity men, Russell being especially experienced and widely known among newspapermen. PGA publicity men have been handicapped in somewhat the same manner as a professional would be if a high handicap amateur stood by on the lesson tee and told him what and how to teach.

Other handicaps under which PGA publicity has been conducted were discussed during the gathering at Palm Beach. One handicap is that the PGA, a major sports organization, for some years has had its headquarters located as part of a winter resort real estate promotion gimmick, far distant from the main sports publicity