

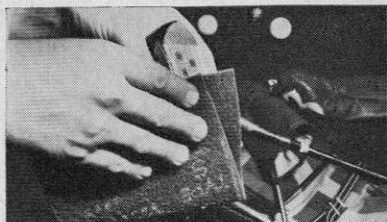
**Container Development Corp.**, has plastic Handy-Bin containers for storage and displaying merchandise in the pro shop, locker rooms or at the pool side.

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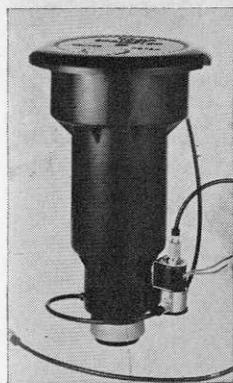
**Rondesics, Inc.**, features a new redwood golf shelter. It seats ten and has a drive-in entrance for three cars.

For more information circle number 260 on card



**3M Co.**, manufactures the Scotch-brite scouring pad which can be used to remove rust and marks from the club head and shaft.

For more information circle number 261 on card



**Toro Manufacturing Co.**, has added a new electric solenoid pilot valve that can be serviced through the sprinkler heads from above the ground.

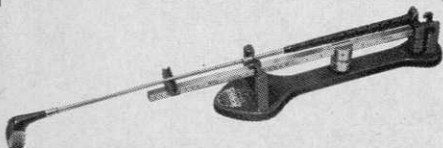
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**L. E. Carpenter & Company** has new victrex vinyl wallcovering, Stonehenge. There are over 60 other patterns available.

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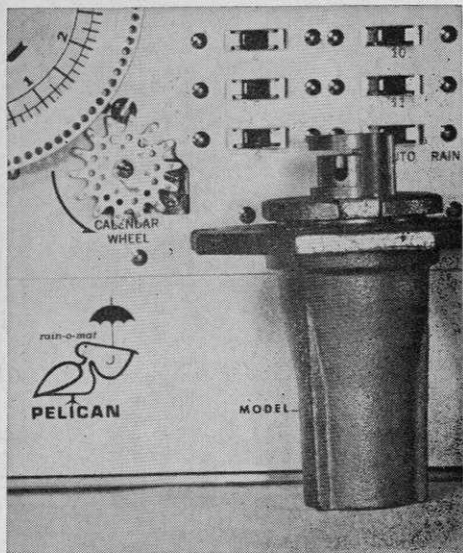
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## Grau's Answers

continued from page 10

It is incumbent on all of us to direct our efforts toward: 1) grasses that tolerate excesses of all kinds with impunity; 2) the judicious use of minimum quantities of water, consistent with good playing conditions, and 3) fertilizer programs that enhance our objectives.

The turfgrass industry desperately needs basic research to learn the *why* of things. We can not go much further in industry-supported "demonstration testing" of trade-name materials. Turfgrass in stress affects a very high percentage of U.S. taxpayers. Concerted effort is needed to direct tax dollars to the universal discipline of turf.

**Q.**—We have been told that our turf will take wear and tear better and suffer less in hot weather if potash levels are kept high. Why is this, if it is true? (West Virginia)

**A.**—It is true. Potash is very important in the translocation of sugars in the plant which are manufactured during daylight. At night they are transported to storage organs and are converted to carbohydrates. Low potash means sluggish movement which could result in partial starvation of the turf.

Potash also helps to stiffen cell walls which gives turfgrass leaves more resistance to traffic.

Disease resistance is another factor in favor of keeping potash levels adequate. A rule of thumb is to use about one-half to two-thirds as much potash as nitrogen. Twelve pounds of N would call for six to eight pounds of K during the season.

Potash is soluble and can be leached with high rainfall and heavy irrigation. Use it in light frequent applications.

**Q.**—At our local meetings we argue over whether to raise our mowers in the summer or to keep them set at the most desirable playing height and just skip a mowing now and then when the turf seems "tired." What is your opinion? (New Jersey)

**A.**—We favor the policy of maintain-

ing the height of cut that provides the best playing surface over the longest period of time. When grass growth is slow due to heat we favor the plan of skipping a mowing now and then to "rest" the grass. Changing the height of cut will cause a change in the "crown" of the turf which will have to be altered again after summer heat is over.

**Q.**—Our club is in an area where we can't depend on bermuda yet the cool-season grasses are unsatisfactory in the heat of summer. We were advised to plant Meyer Zoysia. We did this but the golfers don't like it. They say that they can't get a firm stance. Have you any suggestions?

(Kansas)

**A.**—There are excellent zoysia tees in your area. My guess is that, 1) your mowers are set too high, 2) the grass is soft from excess water, 3) you may be using too much inorganic nitrogen. These practices may help: 1) mow at 1/2 inch with a heavy putting green mower. Remove clippings. The grass may show browning for a short time. It will recover. 2) Fertilize exclusively with a true slow-release nitrogen plus potash. Zoysia needs very little phosphorus. Use about six lbs. nitrogen a year. 3) Lay off the water. Meyer is a very drought tolerant grass. When purplish spots begin to show—water. 4) Topdress with sandy material to true the surface, to firm it, and to avoid scalping. •

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**Graffis Swing**

*continued from page 8*

golf writer of the Boston Herald, if their 600 yd. 9th isn't the longest hole in the U.S. without a trap . . . Joe passes the query along . . . Do you know of any trapless hole longer? There's a pond about 270 yds. out but that's the sole hazard . . . Woodland is the club Francis Ouimet represented when he won the US Open of 1913 and the Amateurs of 1914 and 1931 . . . Write Hon. Lawrence O'Brien, Postmaster General, Washington, D.C. 20260 telling him you want a golf commemorative stamp . . . Figure what golf has done for suburban development, sports wear business and in direct and indirect tax payment plus its contributions to the pursuit of health and happiness and golf has a far stronger case for recognition by the Post Office than about 99 per cent of the subjects of commemorative stamps to date.

PGA entries for PGA championship at Columbine CC, Denver, July 20-23

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*and*

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are 1,441 . . . That's 26 under the 1966 record . . . The entry list includes 63 exemptions . . . That'll leave 1,377 trying for 94 places in a starting field of 150 . . . PGA Senior champion Sam Snead this year missed qualifying for the Open for the second consecutive year (four-putting one green) . . . So that's the end of the Open story for a great player who never won it . . . Gary Player isn't in this year's PGA because he is playing in the British Open previously.

Agreement to have a world-wide code of Rules of Golf effective Jan. 1, 1968, which was reached by United States Golf Association and Royal and Ancient will mean no pain except to the fellows who make croquet-style putters . . . And, as the USGA and R&A explain, the game is golf, not croquet . . . If there'd been a fellow using a croquet-style straddle putter win a big tournament there might have been a loud yowl against the edict which becomes effective next year.

The only difference in the rules next

*continued on next page*

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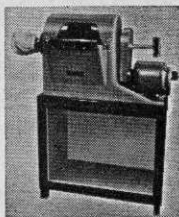
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## Graffis Swing

*continued from preceding page*

year will be the official balls . . . The USGA ball weight shall be not greater than 1.620 ounces avoirdupois and the size not less than 1.680 inches in diameter . . . The R&A ball has the same weight specification but size "not less than 1.620 inches in diameter." . . . The R&A has no velocity limitation . . . The USGA ruling is "The velocity of the ball shall be not greater than 250 feet per second when measured on the USGA's apparatus; the temperature of the ball when so tested shall be 75 degrees F." . . . A maximum tolerance of 2 per cent is allowed . . . Some ball makers say the "USGA's apparatus" which is not available at ball factories for production control and checks is impractical and subjects manufacturers to charges of cheating and cash losses due to USGA finding by its exclusive machine that certain balls are illegal.

Walt Ditzen's educational cartoons on golf car safety are being extensively circulated by American Golf Car Manufacturers Association . . . They ought to reduce the appalling amount of thought-

**X. G. Hassenplug**

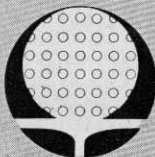
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less and dangerous driving of golf cars . . . Better check up on your club's golf car accident insurance and the procedure in protecting your club or fee course against injury claims.

Walter R. Boysen, president, Golf Course Superintendents Association, and superintendent at the deluxe Sequoyah CC, Oakland, Calif., thinks history was made at the 1967 Masters by Clifford Roberts' press bulletins on the what and why of Augusta National course conditioning for the Masters . . . Boysen regarded the Roberts' communiques as classic jobs of educating some pros and public in factors dictating maintenance operations . . . Boysen wrote Roberts, Bob Jones and John Graves, Augusta National superintendent, expressing superintendents' appreciation . . . The Masters has had a tremendous effect on the improvement of course playing conditions and attractiveness in the South . . . With the Tifton experimental station's valuable work and the practical jobs done by Georgia's fine commercial turf nurseries, and the Masters as a show window, southern golf course maintenance has progressed immensely in the past 25 years . . . Before that, the big impetus that brought Southern courses out of cow pasture condition in turf and housekeeping was the admirable educational example of Pinehurst.

*continued on next page*

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## Graffis Swing

*continued from preceding page*

Effect of immense increase in public course play on public course design is pointed out by Gilbert Foster, superintendent, St. Paul's Keller and Goodrich courses . . . At Keller, with old style construction, there has been a lot of trouble in spring from drainage and bag cart traffic . . . Goodrich, which was built considering modern traffic opened in good condition . . . Public course superintendents, flattened under the traffic of official reports and red tape, are getting in bad shape, too, according to letters I've had this spring . . . I wonder if experienced public course superintendents haven't learned the hard way more about designing and building courses to stand heavy traffic than anybody else in golf business.

Egon F. Quittner, Philadelphia, is

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chairman, and Ray McCarthy, 1841 Broadway, NYC 23, is secretary, Second International Seniors Amateur Championship played at Gleneagles, Scotland, July 3-7 . . . British Open is at Royal Liverpool, July 12-15 . . . 15 countries are on the International Seniors Amateur Committee . . . Estimates are that U.S. seniors will spend about \$7 million this year for expenses for themselves and wives in senior tournament play of organizations and at resorts . . . That makes the seniors by far the world's richest tournament circuit.

Fellows who have got ranges and "golf centers" in good locations and are real businessmen seem to be scoring well financially . . . Sonny Ryan and Dave Felder are in their ninth year together at Felder's Golf Center, 10324 Olson Highway, Minneapolis, and have a new pro shop, have enlarged the range to 60 tees and added a new iron practice area.

*continued on next page*

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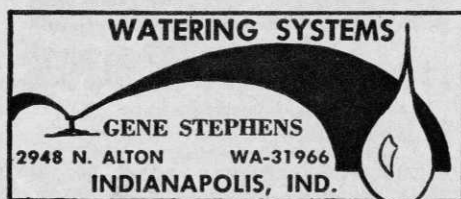
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## Graffis Swing

*continued from preceding page*

Danny Galasso, one of the best-liked real smart course equipment and supply salesmen, a veteran with Bob Graves' Toro Power House, White Plains, N.Y., in St. Agnes hospital, North St., White Plains, N.Y. 10604 . . . A severe stroke but Bob says Danny is putting up a great-hearted fight and shows promise of winning . . . Mrs. Vera Berg, Patty's mother, had a bad stroke three years ago but didn't wilt . . . Vera made herself walk and hold a golf club and forced herself to practice with Patty at Fort Myers, Fla., in the winter . . . So last year Vera won the Florida Senior Women's Championship from a fine field of mighty adept old girls and this winter she won the women's championship at Cypress Lake CC, Fort Meyers. •

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