The Standard Products Company has a new floor mat in runner style called Smart Step Fineline. The runners come in 36" and 48" wide rolls. The company claims that they are not slippery when wet or dry.

For more information circle number 108 on card

Karl Heitz, Inc. has available the Robot burglar trap that automatically records photo sequences. The 35 mm built-in camera takes up to 50 exposures without winding. It can be concealed in a sound-proof wall safe and released by pushbutton or impulse such as the opening of a door.

For more information circle number 109 on card

Hinson Division of Royal Industries has a new line of golf bags featuring new styling by Chabica. The bags are available for both men and women in a choice of five color combinations with matching color head covers.

For more information circle number 110 on card

F.D. Kees Manufacturing Company has an improved model of the Kees 20-inch power rake HM-61C. The major improvement is a new front wheel height control, which in conjunction with the rear wheel control permits a full two-inch adjustment in the raking assembly.

For more information circle number 111 on card

Walter Kidde and Company have designed the Tomato King slicer, useful for all soft food products. It comes in 3/16", 1/4", 3/8" or 1/2" sizes. It features a heavy aluminum frame and stainless cutting blades.

For more information circle number 112 on card

Craig Panorama, Inc., are manufacturing a closed circuit TV system which is composed of a video camera, a monitor-receiver and a video tape recorder. Two of its most important uses around a golf club are as a method for teaching golf and as a security control device for the club house.

For more information circle number 113 on card

Goodall Manufacturing Corporation has announced the Start-All 100 to their line of charging and boosting equipment. In addition, this new portable unit is a source of 110 volt DC power for running lights and power tools.

For more information circle number 114 on card
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Lily-Tulip Cup Corporation has a com-
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quest. Included in their line are heavy
duty plates that are plastic coated,
particularly good for hot open sand-
wiches and other hot dishes.

New products
Continued

Bunn-O-Matic Corporation has the an-
swer for serving coffee in big volume
with their new electric coffee brewer,
model HR. It has a twin three gallon
capacity with single or double service
in the front and back.

Scandinavian Import and Export Com-
pany are featuring their Sawa auto-
matic cookie press with 13 different
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**World's Most Resilient Flooring... Now Offers Embossed Finish**

_Tuflex, having proven itself in hundreds of golf course installations over the years... now announces Cascade, the handsome embossed finish... available in any of the 31 new color patterns. Constructed of 3/16" of live rubber, Tuflex won't pit or chip. Write for free sample brochure._

_Rubber Products, Inc. / 4521 W. Crest / Tampa, Fla. 33614_
William L. Pack has been promoted to executive director of the National Golf Foundation. He is relieving Harry Eckhoff, who he was assistant to for the past two years.

Harry H. Rieckelman, Jr. is the new regional sales manager in the Great Lakes region for Weather-matic Sprinkler Division, Telco Industries. This was announced by v.p., R. R. Abernethy.

Leo McNamara has the newly created position of national field director for Walter Hagen Golf Equipment Company. He has been with the company in the New York sales division 19 years.

John O. K. Jacobsen has been promoted to regional sales representative for Jacobsen Manufacturing Company. He joined the firm in 1962 as a market research field analyst.

Robert J. Bolfert was named dealer progress supervisor for the U.S. and Canadian dealer organization of the Harley-Davidson Motor Company. He has been with the company for three years.

Guy C. Beishline has been appointed executive vice president and general manager of Baylis Industries. He is a member of the American Management Association.

B. J. Moriarty was named general manager of the Campbell Manufacturing Company Ltd., a subsidiary of Canadian Industries Limited. He has been with the company since 1939.

John E. Overlock has become a vice president of the Frank Noone Shoe Company, along with his other duties as director of marketing and sales of Par-Pals Division.

Martin Ketels is now director of publications/promotions for the National Golf Foundation. During his two years of newspaper work he introduced an annual golf magazine supplement.

Robert B. Covalt was promoted to a new position of assistant to the president of Morton Chemical Company. He joined the Ringwood Chemical Company, now a Morton plant, in 1956.
turf questions continued

Budget—Up-to-date? Detailed? Improvements? Provisions for increased costs?


This complete "check list" may serve to jog the memories of management teams for better organization of their facilities. The smooth, efficient operation of a golf course requires organized teamwork wherein all members of the team are constantly informed of operational procedures.

New Inventions

The other night there came an unexpected phone call from an owner-operator-superintendent who was full of his new invention. A new design has been created for a grass catcher on power greens mowers which, according to the inventor, collects 40 per cent more clippings than conventional catchers and gathers better than 95 per cent of all clippings. Repeated trials on his Penncross greens indicate 1) less disease; 2) less fungicides required; 3) reduced tendency to thatch; 4) closer smoother cut with improved putting qualities; 5) less Poa annua by virtue of virtually all seed heads being collected. Plans are in progress officially to check the inventor's claims. This could be a significant breakthrough in putting green management.

Q.—The work of Schmidt and Blaser in Virginia with fall and winter applications of non-cool-season turfgrasses so far shows that the turf is greener through the winter but with no noticeable increase in diseases or other ill effects. Could this principle be used to maintain satisfactory green color in warm-season grasses so as to reduce the necessity of overseeding?

A.—Your question is intriguing and has been asked several times in discussion groups. No satisfactory answer can be given right now but there are indications that, to a degree, fall and winter treatments with N may replace overseeding with cool season grasses. Considerable work on this is in progress.

Q.—Some short-term research reports show that recovery of N is quite different from solubles as compared to ureaforms; 51 percent vs. 19 per cent, for example. What is a reasonable explanation for this big difference?

A.—One answer is that, during the short period covered by the experiments, only part of the usable N in ureaform was converted to nitrate nitrogen whereas all of the soluble material had been converted. Ureaform is made so that most of the N is converted slowly over many months and, if the experiment were continued, there would be total recovery comparable to the soluble. In other experiments different techniques showed a recovery of about 90 per cent for both solubles and ureaforms. Short-term trials are not designed to show ureaforms to advantage; invariably they favor the solubles.

Q.—I am a member of the American Society of Agronomy. In the Agronomy Abstracts all measurements are in metric terms. One paper says, "... both grasses were favored by a mowing height of 5.08 cm rather than 2.54 cm." This means that these grasses were favored by a two-inch cut rather than an one-inch cut. Should we, as superintendents, take steps to convert English equivalents to metric?

A.—Since the metric system will become the universal system, I would urge the GCSAA and all affiliated chapters to provide members with a conversion chart to facilitate the changeover to metric units. It will not be easy. It will take time. It may be necessary for extension services to give aid through education talks. Turfgrass councils and foundations can help, too. Industry will be of great help through field representatives. OK, boys, on with the kilometers, hectares, liters and kilograms.

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Golf course architects' guide

A list of men whose years of professional practice assure you and your club the highest in skill and integrity.

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Eddy leaves Diamond Alkali

After spending 37 years in the leather trade, Ralph Bosley Eddy will retire from the Diamond Alkali Company. He is a veteran of 20 years with Diamond, producers of specialty chemicals, fine chemicals, plastics, agricultural chemicals, industrial chemicals and cement. They operate 46 plants in the U.S. and 14 in foreign countries.

Hagen Company Relocates

The Walter Hagen Golf Equipment Company has moved its manufacturing and headquarters facilities to Wyoming, Michigan. The new move was planned with expectation of continued growth and, in addition to housing all new modern equipment, it becomes the largest of all factories devoted entirely to making golf equipment.

Staff changes at Pedersen

Pedersen Golf Corporation, manufacturers of golf clubs, have made new appointments in their staff. Standing from left to right are Bob MacGregor, vice president in charge of sales; George Poydinecz, president; Stan Mosel, vice president-staff coordinator and club design, and Tom Day, vice president and general manager.

Roberto joins DiFini

Roberto de Vicenzo has joined the Di Fini Originals and Knitwear staff. He will serve as touring pro for Di Fini, who manufacture a complete line of golfing apparel for men and for the ladies.

Western Pro Golf Merchandise Show

The second annual western pro golf merchandise show, sponsored by the Rocky Mountain section of the PGA of America, was held at the Riviera Hotel in Las Vegas, November 5-8.

The show drew pros from Mexico, Canada, Kansas, New York, Utah, Colorado, Texas, Illinois, Arizona, Montana, Missouri, Nebraska, Idaho and a large group from Southern California.

The show theme, "It Pays to Buy at the Show," had an impressive amount of response. A 1968 Buick Riviera was displayed and offered as a prize. Every $100 of merchandise purchased at the show entitled the buyer to a drawing ticket. A great many pros held off buying any merchandise until the show so they could take advantage of this attractive offer.

The winning ticket, drawn by Shirley Spork, teaching advisor to the Ladies PGA, was won by Bob Gutwein, head pro at Rancho Bernardo C.C., San Diego, Calif.

The largest purchase at the show was made by Walter Harris of Hidden Valley Country Club, Salt Lake City, Utah, whose 380 tickets represented $38,000 of buying.

Darrell Hickock of Tucson Country Club, Tucson, Arizona won $1250 as first place in the $6000 18 hole tournament at the Paradise Valley Country Club, sponsored by the golf show. Darrell
wedge and niblick . . . When you see close-up and in the field the absolutely great job the PGA has done for tournament golf and its public with the Approved Tournament Players training program, you are more than ever convinced it would be a costly, knuckle-headed thing it the tourney players ever would split from the basic PGA.

Largest lighted course we know of is new Westlake Village 100 acre, 4750 yd. course in Ventura County, Calif . . . It’s in an American-Hawaiian Steamship Co. community development . . . Clint Airey is pro-mgr . . . R. Albert Anderson is architect of 18 under construction at Terra du Lac in St. Louis area for Fred Weber, St. Louis road contractor . . . Anderson also designed Tower-Tee par-3 nine at St. Louis . . . Big winter golf tourist season forecast by the Fifth Annual Jamaica Jamboree tournament at Montego Bay, Jamaica, Jan. 2-14 . . . John Derr, veteran golf radio and TV broadcaster, conducts this event . . . Invitations are issued to USGA and Royal Canadian GC member clubs . . . This year, members of clubs from Scotland, England and Sweden also were accepted . . . By October, entry limit had been reached and applications from 17 clubs had to be turned down.

Robert B. Kiersky, former USGA Senior champion, has a suggestion about speeding play that seems to make good sense . . . Bob says uniformity in standing off the greens of par-3 holes while following players hit off the tee would save time on four holes per round . . . Now there is no uniformity in procedure at the par-3 holes . . . Nobody knows just what to do and only courtesy or local rule, sometimes observed, suggest the time-saving order . . . Maybe suggestion by the USGA or a local rule might help.

Bobby Cruickshank being elected as 38th man in PGA Hall of Fame gets loud cheers and glasses lifted on high from us . . . Wee Bobby is one of the really big men we have ever met in sports or other sectors of public life . . . With Frank Walsh, I heard Bobby and Sandy and Tommy Armour talk about World War I when Cruicky and Sandy were prisoners in the same camp . . . That was a rare performance; the only time I’d heard them on the subject . . . Cruicky almost broke the heart of the PW commandant by getting the German guards and prisoner detail on a burial assignment blind, roaring, rough-housing stoned . . . When Cruicky blew himself out of a National Open at Oakland Hills at a critical time, I asked him how come? He replied, "I have been playing golf for 3,967 +#1& years and asked a five-year old caddie what club to use."

I thought I’d heard everything when a pro told me he had a member who had bought a set of cut-price woods "down town", then asked the pro for a trade-in on a used set of head-covers.

Just as sure as teeing up, public course fees this year will be raised in many cities . . . Demand for higher maintenance standards as continued on page 90
GRAFFIS continued from page 89

well as higher costs force the fees up . . . New Mexico Tech's 18 at Socorro has been remodeled and decided improved, although it should play easier than the old course, says pro LeRoy Olson . . . Well, why shouldn't you have fun out of playing a course instead of pounding your brains out? . . . Horace Ervin, formerly Colorado amateur champion, now pro at new Failing Creek CC, Kingston, N.C. . . . Although short course (not always par-3) construction has fallen off sharply, it seems that most of them recently built are first class in design and construction . . . They are working out well as features of superior real estate developments.

Joe Frasca named Carolinas Pro-of-the-Year after he had retired from Parris Island (S.C.) CC where he had been pro for the Marines for 19 years . . . Trans-Mississippi GA $400 awards to turf management students at Texas Tech made to Billy Burk Johnson, Plainview; Andrew H. Sansom, Lake Jackson; Paul Milton Leforge, Corpus Christi and Clarence W. DeWitt, Hobbs, N.M.

John Ezzo to rebuild his Mahoning CC Clubhouse, Girard, O., destroyed by $200,000 fire . . . Don Street resigns as pro at Delaware CC, Muncie, Ind., to be pro at Oaklandon (Ind.) CC where he is part owner . . . Ellis Brown resigns as pro at Westbrook CC, Muncie, Ind. . . . Joe Mihelich, pro-mgr. at Enumclaw (Wash.) CC for 12 years has bought (with Carl DeGross) nine-hole Riverside GC, Chehalis, Wash.

Tom Talbot, for 16 years pro at Grandview muny course, Springfield, Mo., goes to pro job at Junction City (Ks.) CC, succeeding Ron Folger who switched to the pro post at Manhattan (Ks.) CC . . . Talbot, in Springfield, Mo., pro work since 1931, was credited by the late Horton Smith as being the man who taught Horton "how to learn golf." . . . Lin Storti, pro-mgr., Polson (Mont.) GC for 10 years, resigns to go to Whispering Lakes GC, Ontario, Calif., on a course renovation project . . . Storti, a former major league baseball player, has been pro at Montana clubs since 1946 . . . John Pappas now general manager Sunol Valley Golf and Recreation Co., is building 36 on 650 acres near Hayward, Calif. . . . Werner Albrecht now manager CC of Roches-

ter, N.Y., succeeds the late Edwin Johannisson.

Started building Makaha Inn & CC on the island of Oahu, Hawaii . . . It's a $6 million project financed by Capital Investment Co., and Weyerhaeuser interests and will be operated by Western International Hotels.

Ron Hoetmer, for 8 years assistant to his father at Sand Point (Wash.) G&CC named pro at new Fairwood G&CC, a residential-golf development in suburban Seattle, Wash . . . Fairwood's first nine scheduled to open in January.

Not many golf club managers get the editorial praise such as Jay De France got in the Bend (Ore.) Bulletin when DeFrance left Bend GC for club management in Tacoma . . . Bend Bulletin said "Golf club membership increased about one-third in the relatively short time since De France was here. A lot of that increase must have been due to the way the place was run and the quality of food and service furnished."

Another newspaper tribute to a manager appeared in Marion (Ill.) Republican which commented "Things are coming up roses at the Southern Illinois G&CC under the new management of Robert W. Duncan."

Looks as though the management element of the house manager, pro and grounds superintendents jobs is being accented by hiring this year . . . There is a definite up-swing in pro-manager-superintendent jobs at smaller clubs with well qualified combination men being selected and being paid enough to make the job worthwhile at places where three separate jobs wouldn't pay enough to attract needed men . . . In a few cases, club officials have the hunch the club may have jumped in too soon for loans on the FHA deals and better get efficient management in charge of operating and developing the property . . . Obviously the successful man in charge of a major department at a golf club has to know enough about his associates' jobs to cooperate for the general good and profit.

Livonia, Mich., in Detroit metropolitan area, recently completed sale of $4.4 million bonds for buying park land and for recreation devel-