with the Royal and Ancient for the 1969 British Open, July 9 to 12, Royal Lytham & St. Anne's GC, raises the British Open prize money to the equivalent of \$72,000; the winner will get \$9,300.

Paul Hahn drew 2,000 to his trick shot exhibition preceding the Maracaibo Open. He flew his own plane to his shows in Venezuela and South America.

Colored bunkers of 3-M Company got spectacular publicity on color television. Telecasters demonstrating their gift of tongues referred to the sand as a "new innovation." These leaders of the nation's literacy also often voice in their opulent lexicon of 100 words or so another amusing redundancy, "basic essentials."

Singapore Island CC, Singapore, October 2 to 5, will have 17th annual World Cup and International Trophy pro tournament at its Bukit course. The club has three 18-hole courses and a fourth being built. There will be 44 countries in the competition. Sidnev L. James is chairman, International GA. Its tournament chairman is Fred Corcoran, Time-Life Bldg., New York City 10020. Lee Kim Yee is president of the host club and of Singapore GA which co-sponsors the event. The International GA officers, which include United States and foreign businessmen of world-wide prominence, were invited to Singapore by its commercial leaders who wanted to spotlight Singapore's high position in Far Eastern international trade.

Sgt. Carlos Lyons, son of veteran superintendent Bill who owns Lyons Den GC, Canal Fulton, Ohio, is with the U.S. Air Force in Taiwan building a new course. There's one really fine course in Taiwan (Formosa) which has developed some excellent golfers.

Publication of the abridged papers at the Chicago district Golf Assn. Green Committee seminar might be a reminder to other district amateur organizations to conduct similar annual sessions.

The USGA Green Section ''road shows' that were put on in several major cities a few years ago, following the pilot program at the Green Section annual meeting in

New York in January, were considered by many superintendents, green chairmen and other officials the most useful of all course maintenance progress and problem reports and discussions.

The Chicago area gathering in November was late enough to have the season's lessons fresh in mind and correctly timed for application to club and pay-play course budgeting. I've never seen more practical treatment of the money part of golf course management than this report of the Chicago District GA Green Committee headed by Ralph C. Peterson of River Forest GC. James L. Holmes, then with the Green Section, edited the papers.

Maybe there are a few copies of the CDGA Green Committee seminar report for other district association officials. Ask Ralph C. Peterson, Chicago District GC, 211 East Chicago Ave., Chicago, Ill. 60611.

Continued on page 85



for a good grip — a better game



Claro Non-Slip is a smooth grip cream. It gives you a truer, more confident feel of the club. It assures a firmer and more positive grip. Unaffected by perspiration, one application lasts a full round. Just 50 cents at pro shops.

421 W. Ewing South Bend, Indiana 46613 For more information circle number 183 on card





Golf resort of the future

Continued from page 49

Utilities Corp. as a modular-mobile home city.

United Utilities is investing approximately \$1 million in the construction of a golf and recreation complex for this community, which has been planned as the eventual home for about 10,000 people. Some 4,000 residential sites will surround the recreational complex.

The community, known as Sandalfoot Cove, has been planned



For more information circle number 164 on card

to take advantage of the booming mobile home market and is being constructed by its developers as a 'new direction'' in community concepts. Mr. R.K. Beitler, assistant managing director of the Mobil Homes Manufacturers Assn... one of the planners of Sandalfoot Cove, pinpointed the thinking behind the mobile home community plan by saving, "Since mobile homes accounted for 83 per cent of all single-family dwelling units, with prices at or below \$12,000 last year, it is certainly evident that there is a vigorous demand for this type of housing. With increasingly advanced designs and a growing trend toward the modular or expandable home, antiquated 'trailer park' concepts are virtually obsolete. There is a compelling need for the development of mobile homes 'cities' where residents will have the same fullservice community facilities offered by conventional subdivisions

"Basic to the concept is the emphasis on people and their enjoyment of leisure living. The physical architecture of the community is described as a system of nine 'neighborhoods' connected by a perimeter boulevard. We're eliminating unnecessary traffic through these residential areas by utilizing neighborhood loop roads. cul-de-sacs and a clustering of residences around canals and recreational spaces."

Other communities of this type are taking shape either on the drawing board or are in the process of being constructed from coast to coast. Basically, these developments have found popularity in the temperate climate zones and in geographical areas identified with retirement or quasi-retirement communities. This is not to say, however, that the idea is limited by these factors. As the accent on leisure and leisure time grows, the real estate development's grouping configurations of golf courses with apartment dwellings, houses and waterways will certainly attract more public attention and in time it will certainly lap over into other sports and become attractive to those located in geographical areas with social and climatic differences.







LOCKER ROOMS

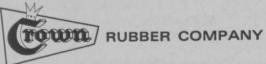


BAR & GRILL ROOMS

Now you can buy a carpet matting that's spike and wear resistant . . . yet stunningly beautiful! Fore gives you outstanding carpet life in club rooms, pro shops, grill and bar rooms. Thick 1/4" solid vinyl backing keeps damaging spikes, mud and water off costly floors. Tough cut pile nylon can't snag on spikes . . . is stain resistant. Ends frequent costly carpet replacement!

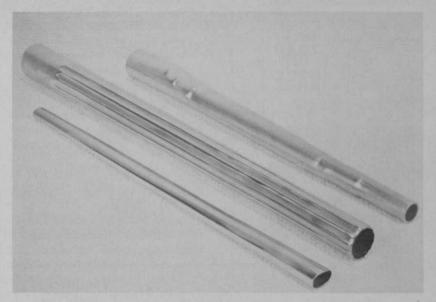
FREE SAMPLE—Write for free sample of Fore matting to Crown Rubber Company, Fremont, Ohio 43420. Phone: 419-332-5531.





new process for making tubular shafts

"Economically unfeasible,"
Superform process may point the way to a new method of manufacturing shafts



"Superform" is the name of a newly formed company and a new process, available for licensing, that is a new method of manufacturing a wide variety of structural metals and alloys in tapered or straight hollow tubular shapes, including golf club shafts.

The company is under the mandent of Kearney-National, Superform, Inc., will offer the industry a unique metal process that will result in significant savings in this type of development. According ing to Martin H. Dubilier, president of Kearney-National, the Superfory will offer the industry a unique metal process that will result in significant savings in this type of development. According to Kearney-National, the process consists of a series of inventions that makes it possible to form a golf club shaft in only one draw "in contrast to the 15 to 20 draws that would be necessary to make a shaft by other methods." In addition, a company spokesman said that the cost of the die used in the "Superform" process is almost ''insignificant'' and can be re-used.

A key feature of the new process, according to the company's announcement, is a die that expands and conforms to the shape of a mandrel, or core, inserted into a tube blank.

The company spokesman said that at this point no licensing had been secured for the process. George Manning, manager of technical sales and services for True Temper Corp., the leading manufacturer of golf club shafts, told GOLFDOM that his company had examined such a process and concluded that its present economical basis was unfeasible for golf club shaft manufacture.

The "Superform" process has been used successfully to provide tapered and straight hollow shapes in all configurations and combinations of round, oval, square, rectangular, hexagonal and special shapes. These same shapes have been made in a wide variety of wall thickness configurations and combinations. Materials tapered and shaped by the process include: alloy and stainless steels; nickel, iron and cobalt-base allovs: precipitation-hardening stainless steels; titanium alloys; and refractory-metal alloys.

Some of the marketing areas which have already been explored by Kearney-National are aerospace, airframe and transportation products such as rotor spars, helicopter blades and jet thrust chamber tubes; rocket shrouds. housing and nozzles, axles, drive shafts, and turbine blades; architectural beams, power poles, light poles, and brackets and flagpoles: sporting goods such as boat masts, golf shafts, ski poles and gun barrels; marine products such as antennas, masts and booms; chemical products such as heat exchangers and tubing; and industrial equipment for pointing, metal gathering, end forming and internal forming.



The bright, yellowhandled RAKE-Ezee Rake flags attention, reminds golfers to rake trap. Stands erect on blunt metal point.

Sturdy, attractive, won't rust, yet low in cost. Rake-Ezee stands erect on point, reminds golfer to rake trap. Fully guaranteed with tough plastic head. See your distributor, or write:



For more information circle number 138 on card

INDUSTRY NEWS

Continued from page 78

completed to expand the new facilities to over 100,000 square feet.

Golf products win awards

Two golf companies won merit awards in the 26th annual National Folding Carton Competition,



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For more information circle number 189 on card

sporting goods category.

The Wells Lamont Corp. won the award for its Promark Golf Glove display which, because of its unusual construction, enables the consumer to test glove texture without opening the carton.

The Finalist Golf Ball display won for Acushnet Process Sales Company. The display was characterized as having 'clean, simple graphics on a structure that allows dispensing as a counter or wall display, improves functional convenience for retailer and improves brand recognition for consumers.'

Decisions of the judges were based on excellence in packaging innovation, communication, marketing, distribution, production and consumer convenience.

Stoddard wins GCSAA National championship

Gardner E. Stoddard, golf course superintendent, Irvine Coast CC, Costa Mesa, Calif., won the USGA Trophy with a 36-hole total of 159, three shots ahead of Chuck Fatum, Fenway GC, White Plains, N.Y.

Frank Lamphier, Aspetuck Valley CC, Bethel, Conn.; Larry Vetter, Minikahda Club, Minneapolis, Minn.; Jim Mills, Brookles CC, Rochester; Grafton Lumsden, Bethesda CC, Rockville, Md., and Richard Grill followed.

California golf cars Hit the road

The California legislature has passed a bill that legalizes the use of self-propelled golf cars on public highways under certain conditions. This California Vehicle Code now permits local authorities to designate highways adjacent to a golf course as being so designed and constructed to safely permit their use.

The designation is limited to a distance of one half mile from the course; rules and regulations must be prescribed and the highway must be signed to show it has been designated for golf car use.

A key element in the bill is that the golf car is not required to be registered as a motor vehicle by the Department of Motor Vehicles

Also under the new law, operation of golf cars on public thor-

Continued on page 90

DON'T BE CAUGHT IN THE ROUGH



Keep out of trouble with Super Secur Comfort Stations. These easily installed, factory fabricated buildings are constructed of durable treated steel, with unbreakable cast aluminum fixtures for long lasting, maintenance-free operation.

A truly rugged building for golf courses, parks and playgrounds or any area where heavy use or vandalism is a problem. Super Secur Comfort Stations are available in many different models. Write for a free catalog.

SUPER SECUR COMFORT STATIONS

778 Burlway Road . Burlingame, California 94010

For more information circle number 170 on card

Graffis

Continued from page 81

In new location as pro this year is Dick Whetzle from Woodholme CC. Pikesville, Md., to Prince Georges CC, Landover, Md., succeeding Al Houghton, who retired . . . Joe McNulty, assistant to Russ Davidson, pro at Westwood CC, Rocky River, Ohio, stays at his spot, succeeding Davidson, who retired . . . Bill Dunn leaves Apawamis Club, Rye, N.Y., for pro job at Kernwood CC, Salem, Mass Rex Edwards goes to Lake Texoma, (Okla.) GC as pro-manager, succeeding the late Hack Williford.

Tom Murphy leaves Canterbury GC, Cleveland, for pro spot at Sleepy Hollow CC, Tarrytown, N.Y... Rex Baxter leaves the tour to be pro at Beechmont CC, Cleveland, succeeding Dick Shoemaker... Ed Morgante switched from Conewango Valley CC, Warren, Pa., to Midvale CC, Rochester, succeeding Mike Zambito, who retired after 30 years.

George Fazio is designing 18 holes for Charter Oaks club at Norwich, N.Y., where Ken Vanturi will be director of golf . . . August Boyd now pro at new Bardmoor CC, St. Petersburg, Fla. . . . George Heaney, 28 years pro at Brookside municipal course, Pasadena, Calif., now taking it easy; Jim Swaggert, who used to be George's assistant, taking over the Brookside post. Heaney was the first pro to push the use of bag carts at courses . . . Harold Firstman now golf director and head pro at new Porter Valley CC, Northride, Calif. . . . Al Mengert resigns as pro at Tacoma (Wash.) G & CC to go year-round on the tour. Al is 39 years old and has spent 16 years, doing fairly well, in intermittent tournaments . . . Jack Mackie, Jr., to pro post at Dublin Lake (N.H.) Club, succeeding the late Roland Wingate ... Bob Hamrich, pro at Mayfield CC (Cleveland district), did important shopping at the PGA show, he hired Bob Wallace of Florida as his assistant.

Two of the great ones who put more into golf than they got

materially out of it have died lately. One, Mrs. Theodore I. (Olive) Meindle of Wilmette, Ill., died of cancer. She was vice president of the United Voluntary Services and of the Swing Clubs which made golf entertainment. therapy and welfare programs valuable and pleasant in veterans' hospitals. She had established scholarship funds for children of hospitalized veterans and was past president, Chicago Women's District GA, an official of the Illinois Women's GA and had been women's champion at Ridgemoor CC. What that lovely, gracefully dynamic woman did with and for golf really counts.

Also lost recently was Bill Steedman, 83, who came from Scotland, via McGill University in Montreal, to the Seattle Post-Intelligencer in 1920, then to the Seattle Times in 1935 until his retirement in 1958. Bill did more to bring big-time golf to the Pacific Northwest than is generally remembered.



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For more information circle number 177 on card

DIVOT-FIXERS

Golfers insist on good greens! Furnish them with a DIVOT FIXER and they will do their part helping you maintain these beautiful greens.

DIVOT FIXERS are now available in both aluminum and highly polished nickel steel, with standard imprinting "FIX BALL MARKS ON GREENS THANKS-YOUR GREENS COM-MITTEE." Samples furnished upon request.

Prices effective Jan. 1, 1968 (plus shipping charges):

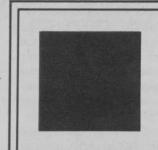
Nickel steel (FOB Des Moines)	Aluminum (FOB Des Moines)
100 - \$20.00	100 - \$12.50
250 - 35.00	250 - 25.00
500 - 52.50	500 - 40.00
1000 - 95.00	1000 - 75.00

\$12.50 extra per order for special imprinting aluminum only), 1 or 2 lines, one side only. 1st line limit 26 letters and spaces. 2nd line limit 29 letters and spaces.

Woodside Golf & Park Supply Co.

Des Moines, Iowa 50313

For more information circle number 240 on card



NEW PRODUCTS



The MacGregor Company has intro duced new packaging for its pro line DX Tourney golf ball, which is available in two compression ratings-regular and high. The regular compression dozen box is printed in blue, black, white and golf; the high in orange, black, white and gold. Formerly packed four balls to a tube.

three tubes to a dozen box, the DX Tourney balls are now packed in three-ball tubes, four tubes to a dozen box and are color-coordinated with the regular and high compression dozen packages.

Circle No. 101 on reader service card



Cushman Motors introduces an allsteel cab with folding doors for its Champion golf car. Doors are tightfitting and fold back when not in use. Both windshield and rear window permit clear viewing by the driver and passenger. The cab can be easily mounted or removed from the golf car in less than an hour without special tools, according to the company.

Circle No. 102 on reader service card



Somerset Power Sweepers, Inc., have added a power reverse feature to the Powersweep models 34 and 42. The feature, included at no additional cost, reportedly speeds up sweeping operations, increases operator efficiency and reduces fatigue. Other features



include: short turning radius, onehand operation, long-lasting broom, easy maintenance, choice of power, extra large hopper and balanced filter system, according to the company.

Circle No. 103 on reader service card



Edmont-Hill offers an assortment of its Super-Grip golf glove on a free countertop merchandiser. The merchandiser sells three dozen gloves for \$3 each in both men's and women's sizes in a variety of colors. The gloves come in color-coordinated, self-selling packages which are displayed on a rotating, brass-plated wire rack. The header stresses the glove's non-slip qualities. The total retail value of the gloves is \$108.

Circle No. 104 on reader service card



Delta Electric Div., United Filtration Corp., announces that is has improved the Poranda, a portable combination porch and veranda designed for outdoor use. The weather-proof top, aluminum frame and fiberglass screening eliminate rusting and allow easier maintainence, according to the manufacturer. The interior height is 7 feet, 11 inches. The Poranda comes in two sizes: Model 10 is 9 feet by 12 feet 3 inches; Model 12 is 12 feet 3 inches by 12 feet 3 inches. Both models fold compactly for storing.

Circle No. 105 on reader service card



International Harvester Company introduces the Sand Trap Rake attachment for its Cub Cadet tractor. The 72-inch-wide rake is mounted on the tractor's three-point hitch and is made of two gangs. The front gang has three articulated sections with 54 replaceable $3\frac{1}{2}$ -inch long spikes to break up crust and stir up weeds; the rear gang has five overlap sections that smooth out the sand. Rake frame and sections can be removed by pulling three pins, so the tractor can be used for other jobs.

Circle No. 106 on reader service card

EVERY PRO NEEDS THIS!

Kenneth Smith's Professional Shop Manual of Instruction

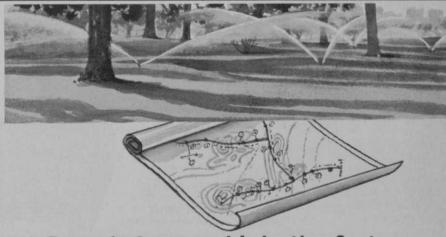


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P. O. Box 3847, Los Angeles, California 90054, (213) 698-6761

For more information circle number 253 on card

NEW PRODUCTS

Murdock introduces the Flush Box hydrant, which prevents backsiphonage and pollution to the water supply.



For more information circle number 223 on card



Continued

The hydrant is available in either bronze or cast iron box and lid. The flush-type hose outlet is designed to prevent vandalism and water waste, and the hydrant can be used yearround. Three models are available.

Circle No. 107 on reader service card



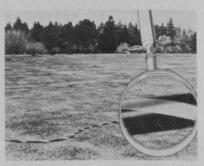
Reading Golf Equipment, Inc., offers a bill-operated golf ball dispenser. The Venzke Vendor will hold up to 5,000 golf balls. It weighs 265 pounds and carries a five-year warranty.

Circle No. 108 on reader service card



Sports International introduces the Golf Master Caddy Cart, a Britishmade cart, to the Stowaway line. The cart folds for storage and transportation and is made of one-inch tubular steel. Colors available are maroon. green, blue or black.

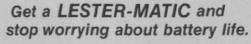
Circle No. 109 on reader service card



The Gates Rubber Company offers the Gates Theftproof hose, a heavyduty watering hose that carries a three-year guarantee against loss by theft. Designed with colored stripes spiralling from end to end, the hose can be left unprotected because it is easily identifiable and because the company controls sales to a certain

Continued on page 94

Next time use the battery boss!



Batteries last longer - and you worry less-when you use a Lestermatic Charger. Proven on courses nationwide under roughest use. No need to be a technician. Set and forget. Your carts will be fully, dependably charged when you need them. See your distributor or write for complete Lestermatic specifications

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LESTER EQUIPMENT 151 West 17th St. . Los Angeles, Calif. 90015

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for front seat visibilityfor Driver-seat control. 30" to 11'8" cut, Hydraulic reel lift with automatic stops, independent reel speed . . . and more

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For more information circle number 186 on card

Here's why turf needs sweeping:

Turf never looks greener and healthier than when it is regularly swept. And not only is appearance improved, but it is sustained because regular sweeping prevents the formation

of thatch.

Thatch-the accumulation of old leaves, clippings, stems, roots and other unde-cayed material—can choke healthy grass. Water doesn't percolate through it the way it should, fertilizer applications aren't as effective. And fungus and insect pests thrive. Turf maintenance costs can soar.

And here's the best way to do it:



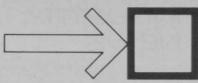
Turf-Vac powered sweepers cover the ground with a tornado of air. Grass clippings, leaves and debris are quickly removed. Thatch is prevented from accumulating because the turf is "scrubbed" clean. And with no mechanical devices such as brushes or rubber fingers ever touching the grass, the turf is left undis-turbed. Nor are there any of these costly mechanical brushes or rubber fingers to replace with Turf-Vac.

More and more groundsmen are turning to Turf-Vac for a long-sought answer maintenance. Turf-



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COMING EVENTS

Georgia Golf Course Superintendents Assn. Meeting, Callaway Gardens, Pine Mountain, Georgia, May 13.

Golf Course Superintendents Field Day, August 20; Lawn & Utility Turf Field Day, August 21, University of Rhode Island, Kingston, Rhode Island.

National Hardware Show, Coliseum, New York, New York, September 29-October 2.

Eighth Annual Chicago Golf Show, Sheraton-Chicago Hotel, Chicago, Illinois, April 21.

Turf Research Field Day, Rutgers University, New Brunswick, New Jersey, June 11.

Ten-Week Winter Turf Course, Rutgers University, New Brunswick, New Jersey, January 4-March 13.

1970

Two-Day Turf Courses, Rutgers University, New Brunswick, New Jersey, January 19-23.

Club Managers Assn. of America Conference, Freemont Hotel, San Francisco, February 2-8.

GOLFDOM would like to publish a complete and accurate Coming Events calendar. If your organization or association is planning a meeting, please notify us as far in advance of the event as possible. Send the information to: GOLFDOM, 235 East 45th Street, New York, N.Y. 10017.

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No. 1525 Key Controlled Stainless steel case, double wall security. Master key gives supervisor access to all lockers. Without key control, specify No. 1500.



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Full (1.68" Dia.) Regulation Size

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B-1 LUCKY BUCK (12 doz. min.) \$3.60 doz.

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\$3.60 doz.

R-1 SOLID RANGE BALL (25 doz. min.) \$2.85 doz.

R-2 SOLID ECONOMY RANGE BALL (25 doz. min.)

\$1.85 doz.

M-1 MINIATURE GOLF BALL (assorted colors)

\$2.00 doz.

T-1 TEES, PLASTIC, UNBREAKABLE (35M min.)

\$2.10M

SAMPLE ORDER IN BALLS (2 of each)

SAMPLE ORDER 10 BALLS (2 of each)
Postpaid \$2.00
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> Signs 50c & 75c Stakes 25c & 30c

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For more information circle number 182 on card



For more information circle number 188 on card

INDUSTRY NEWS

Continued from page 84

oughfares is not limited to "designated" highways. But in this case the car must be registered, it can only be used on a highway having a speed limit of 25 miles an hour and it cannot be legally operated faster than 15 miles an hour.

Half-way mark

Seigniory, the first of three championship golf courses planned for Bonaventure CC, has passed the 50 per cent completed mark, it was announced by Henry Blatt, executive vice president of Town Heights Development, Inc., developers of Bonaventure.

''Our schedule calls for completion of the first course in September of this year. It will be ready for play shortly thereafter, in advance of the 1969-70 winter season," Blatt said. "The clubhouse building will also be in operation by that time. Upon completion of the golf course and clubhouse, we plan to get the second phase of our program underway, which includes the construction of single-family and multi-family apartment units."

Reportedly, the golf course and clubhouse facilities represent an investment of \$2.25 million.

Slide lecture available

Ransomes Grass Machinery Div. is offering a color slide lecture entitled ''Grass Machinery-its care and maintenance." The lecture is composed of a set of 60 slides with written commentary describing the development, manufacture, application and daily service of modern grass cutting machinery. The complete set with commentary is available from Ransomes Sims & Jefferies, Ltd., Grass Machinery Sales, Ipswich, Suffolk, England, at a cost of 6 pounds, 10 shillings (about \$15.60) a set, including postage.

Adjustable-weight clubs OK

Golf clubs designed to be adjustable for weight alone are permissible under a new rules interpretation adopted jointly by the United States Golf Assn. and the Royal and Ancient Golf Club of St. Andrews, Scotland.

One of the companies that this new ruling benefits is the Steve Biltz Golf Club Company, Phoenix, Ariz., whose adjustable clubs had originally been declared illegal.

A recent press release from the USGA states that Rule 2-2a has been changed so that golf clubs designed to be adjustable for weight alone are now permissible. The new interpretation still prohibits clubs designed to be adjustable for such things as a lie or loft.

It will be possible, the release continued, for tournament players to legally play with a club that has, for example, a cavity in the head to house varying numbers of lead wafers held firmly in place by some type of screw. Such a club would conform with the new interpretations if the weights are fixed immovably during play to conform with Rule 2-2b.

Rule 2-2b states: "The playing characteristics of a club shall not be purposely changed during a round."

Golf course planned

Paradise Valley on the northeastern outskirts of Phoenix will have a new 6,800-yard championship golf course and clubhouse, with an adjoining residential area.

The course and clubhouse will be built on a 200-acre site by the Marriott Hotel Corp., owners of the Camelback Inn, and will be called the Camelback Inn CC. Architect for the course will be Robert F. Lawrence.

Adjoining the golf course, will be Camelback CC Estates, a 200acre residential development and a wholly-owned subsidiary of Southwestern Research and General Investment Company.

The Marriott company expects to spend in excess of \$500,000 on the golf course and clubhouse. The cost of the total project could be in excess of \$10 million, according to F.M. McCown, president of Southwestern Research.