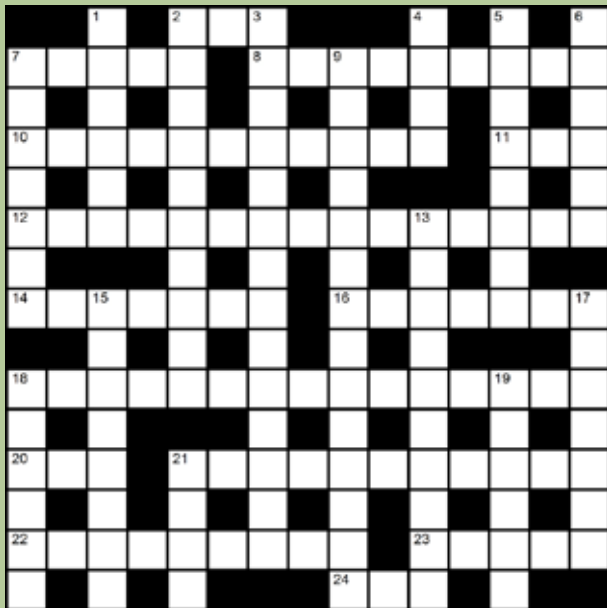


# puzzlepage

Our monthly puzzle page to keep you entertained

## CROSSWORD



### Across

- 2 Follow closely (3)
- 7 Insects in passive development stage (5)
- 8 Alopex lagopus - mammal of icy northern regions (6,3)
- 10 Darts player known as The Crafty Cockney (4,7)
- 11 Trade name of Israeli submachine-gun (3)
- 12 1859 mystery novel by Wilkie Collins (3,5,2,5)
- 14 Deduce a person's words by watching the mouth (3-4)
- 16 Traditional French puppet (also Grand ---) (7)
- 18 Ballroom dance which uses pauses at intervals (10,5)
- 20 Emergency procedure used in e.g. cardiac arrest (3)
- 21 Bring into an improved or renewed state (11)
- 22 Eponymous hero of 1876 Mark Twain novel (3,6)
- 23 Throw with great effort (5)
- 24 A National Curriculum educational assessment (3)

### Down

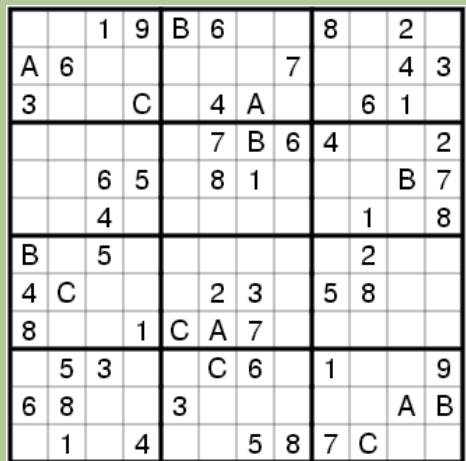
- 1 Surname of American novelist noted for his Harry 'Rabbit' Angstrom works (6)

- 2 Plant also known as stinking cranesbill (4,6)
- 3 Central characters in a sitcom written by James Corden and Ruth Jones (5,3,6)
- 4 Opinion (4)
- 5 A pouring or streaming out (8)
- 6 Tax on home commodities, and on certain trade licences (6)
- 7 Interactive videotext service introduced in 1979 (7)
- 9 Doing something in the easiest or cheapest way (7,7)
- 13 Name associated with popular guides to the Lakeland Fells (10)
- 15 Seasoned cuts of smoked beef (8)
- 17 Diamond-shaped parallelogram or rhombus (7)
- 18 Goddess of witches referred to by Shakespeare and other writers (6)
- 19 Pertaining to non-ecclesiastic people (6)
- 21 Of a mobile phone, to operate on a different network when abroad (4)

## QUICK 'NINE HOLE' QUIZ

This month's quiz simply has to focus on the Open Championship of 2013:

- 1) At Muirfield, which luckless Scot was in the hunt for the Claret Jug before hitting a quintuple bogey nine during his third round?
- 2) Which former Open champion missed Muirfield because of shoulder surgery?
- 3) Name the two amateurs who made the cut.
- 4) Name the Scottish player who drove home to Aberdeen thinking he had missed the cut only to receive a text telling him he had made it?
- 5) Name the runner-up.
- 6) Name the two players who shot a 67 on the final day.
- 7) How many over par did Rory McIlroy finish for his two rounds?
- 8) Which golfing legend made the cut but finished +23?
- 9) Which South African player smashed his club on the 15th?



Monster Daily SuDoku: Tue 30-Jul-2013 easy

## MONSTER SUDOKU

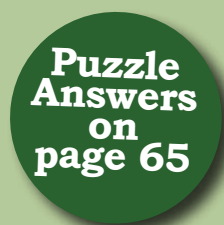
Fill in the grid so that every row, every column and every 4x4 box contains the numbers 0 to 9 and the letters A to E.



Daily SuDoku: Tue 30-Jul-2013 hard

## SUDOKU

Fill in the grid so that every row, every column and every 9 box shape contains the numbers 1 to 9.



## South East

Contact your Section correspondent with news, events or anything else for Around the green...



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## Events Coming Up

**Essex** – Next golf day Thursday 15 August at Channels Golf Club. Bacon roll and coffee from 11.00am, 18 hole Stableford (this event is the National Qualifier, two places up for grabs), plus a BBQ afterwards, £20 members/sponsors. £30 guests, cheques made payable to “BIGGA Essex” please!

This event was a great success last time around, so don't miss out on a fun day with good food and camaraderie.

Entries to Antony Kirwan: at “Play Golf Colchester” Bakers Lane, Colchester, Essex. CO3 4AU or antz16@btinternet.com by Saturday 10 August please.

Membership clarification will be required prior to your playing at all events this year please.

Details are on the website, under Competition Rules 2013 this is within the golf section of the section website.

We have also decided to sell our raffle tickets before you play, rather than badger you afterwards. This we hope will speed things along and allow you all to site down for your dinner quicker upon your return from the course.

Tickets will be on sale when you collect your scorecard. Enjoy your day at Channels.

“So you want to be promoted...?”

Ben Scrivener is still waiting to hear from you. We would like to arrange an evening with Murray Long and Matt Plested for all you young greenkeepers that are looking to make the leap to the next level.

There is more information about this event on our section website. Interested then contact Ben gingerpunky@hotmail.com

**Surrey** - Cresta Cup at Wimbledon Park GC on 24 September 2013

**Kent** - Our planned Foot Golf event has been temporarily postponed and will now take place in late August/early September. Our next golf event is to be held at Sene Valley Golf Club on 19 September. Email invitations with more details will be out soon.

## News

**Sussex** - A full field attended our sections away day to the fine links of Littlestone GC over the border in darkest Kent. Some members brought their passports and were surprised that these weren't needed to cross the Kent marshes.

A super day was had by all in the sunny and very warm conditions, so much so that some were seen wearing large sombreros to keep the

sun off, and which also saw one forgetful greenkeeper cover himself in sun lotion, and then try and play the next few shots with sun lotion over his hands and grips.

There was also a near emergency call out when John Shepard ventured into the long rough to retrieve a ball, only to find the rough taller than him and thus lose his way back to his team!

The course was in fine condition and a heartfelt thanks go to Malcolm and all of his team for allowing the section to play their prestigious course and for the condition in which it was presented, well done all.

I am sure that you will all join with me in wishing Neil Durant, Head Greenkeeper at Dale Hill Golf Club a speedy recovery following a serious illness that had left him hospitalised for some time.

**Surrey** - Seminars over the winter period are in the planning process, Date TBA, intention to have 5 or 6 educational events at Merrist Wood College.

## Results

**Sussex** – Away day: Longest drive, John Hill. Nearest the pin John Shepard. Nearest the pin in two was Matt Hutchinson.

Nearest the pin in 3 was Graham White. In the team competition 3 The “Seaford boys” with 86pts. 2 “Team Mitchell” with 88. 1 the “Tortillas” with an incredible 97 (with a blob!?) Once again thanks to all attendees for supporting the section on this away day.

**Surrey** - Results from Worplesdon GC: 1 Alan Crittendon 76 Gross Nett 69 2 Phill Beney Nett 72 3 Robin Cheney Nett 72 Best Gross Jason Hunt 7;

Nearest Pin Gavin Kyle, Long Drive Mark Davies. Alan Crittendon and Mark Davies qualify for the National Tournament at Frilford Heath.

## Thanks To Sponsors

**Sussex** – Thanks to away day sponsors Mitchells Groundscare and Pete Smith for organising.

**Kent** - Many thanks to Lister Wilder who have offered to join our very welcome group of kind sponsors.

We have just learned that one of our section's friends and most loyal sponsors has been taken ill with quite a serious medical condition.

On behalf of everyone in our group I would like to wish Stewart Clayton of Greensman Ltd a full a speedy recovery and look forward to seeing you again soon.

## Welcome New South East Members

Danny Perks, Greenkeeper, Wentworth Club (The), Surrey

Mark Ogden, Course Manager, Drift Golf Club, Surrey  
Neil Highgate, Assistant Greenkeeper, Cottesmore Golf Club, Surrey

Sean Blyth, Greenkeeper, Goodwood Club Ltd (The), Sussex

Simon Berry, Greenkeeper, Goodwood Club Ltd (The), Sussex

Christopher Ahier, Greenkeeper, Hassocks Golf Club, Sussex

Jamie Chapman, Assistant Greenkeeper, Hendon Golf Club, London

Louis Dunn-Allen, Assistant Greenkeeper, Hendon Golf Club, London

This year's BIGGA National Championship, sponsored by Charterhouse and Kubota, is at the superb Frilford Heath Golf Club on October 7-8, with the first prize of £500 worth of vouchers



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- Full Member  
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The entry fee of **£90** includes all golf fees, lunch both days and dinner on Monday evening. Please note that there is no accommodation provided.

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Golf Club .....

### Payment method (please tick)

- I enclose my cheque made payable to 'BIGGA Ltd' value **£90**  
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Card number.....

Start Date ..... Expiry Date .....

Last 3 security digits.....

Issue No. (Switch/Delta only) .....

Signature.....

Date .....

Or E-mail your details to:

**rachael@bigga.co.uk**

Ensure you receive confirmation of entry by return email.

### Deadline for entry is 6th September 2013.

Completed entry forms should be sent to:  
**BIGGA National Championship, BIGGA House, Aldwark, Alne, York YO61 1UF**



The main tournament for the Challenge Trophy will be played over 36 holes, medal play, with the best overall gross score producing the BIGGA National Champion, who must be a greenkeeper member. The greenkeeper player with the lowest nett score will be presented with the BIGGA Challenge Cup.

There will be prizes for the first five over 36 holes in the gross category. The top three in the nett competition will also receive prizes. After each day of 18 holes there will be prizes for winners of handicap divisions. The BIGGA Regional Team Cup and prize will be calculated from the 8 best nett scores over the first day of play. There will also be various nearest the pin and longest drive competitions, featuring prizes.

# South West & Wales

Contact your Section correspondent with news, events or anything else for Around the green...



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**DEVON & CORNWALL**  
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**SOUTH WALES**  
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pholmstrom@countrywidefarmers.co.uk

## Events Coming Up

**South Wales** - Our AGM will now be held at Machynys Peninsular Golf Club on Wednesday 16 October and not Haverfordwest as first noted. We have a team match v the South West at Chipping Sodbury 16 August 1pm tee off team to be announced. The match v the North is to be rearranged for a suitable date in September.

**South West** - SW Section v South Wales at Chipping Sodbury GC 15 August. SW Section v South Coast at N Wilts GC 26 September. Enquiries to Wayne Vincent (07958 630590).

## News

**South Wales** - I would just like to say that the standard of the work of the greenkeepers in the South Wales Section is outstanding! Keep it going guys you're doing a great job.

**South West** - A strong delegation from the SW was in attendance at Muirfield as part of the BIGGA Open Support Team. A fantastic week was had by all involved and a huge thank you must go out to everyone at HQ for the seamless organisation.

The annual match between SW Section and The Secretaries at The Manor House GC ended in a 4 ½ - 5 ½ victory to the Secretaries. Well done to Adam and Paul for taking on the opposition single-handedly.

Congratulations to Lee Whyte of Bowood GC and Paul Garland of Lansdowne GC who will be representing SW Section at the BIGGA National Championships at Frilford Heath GC in October.

We are seeking interest in an excavator operation update training session to coincide with the five year cut off from the last certification programme, please keep an eye on the BIGGA Bulletin Boards for details or contact Paul Worster directly.

Once again the section will be sponsoring a place to attend BTME in January 2014 to include accommodation, transport and education. Please contact any of the committee members to express your interest in this fantastic opportunity.

## Results

**South Wales** - Thanks to all the Patrons who sponsored the inaugural golf tournament. 1 Gareth Hardisty (Burghill Valley) 2 John Knight (Llanishen gc) 3 Marc Anderton (Newport gc) Nearest the Pin Darryl Jones Longest Drive Ian Kinley

**South Coast** - South Coast Section summer tournament held at the Army Golf Club, 30 entrants and fine weather. Thanks firstly to the club for allowing us courtesy of the course which was presented in outstanding condition. Well done to Phil Wentworth and his team on achieving such high standards a great test of golf. 1 39 points Colin Hutt from Basingstoke GC. 2 37pts on count back Chris Bitten (who rarely plays golf these days) 3 37 pts Jamie Pender from Blue Mountain GC. Longest drive John Say from Test Valley GC. Nearest the pin Mark Ogelsby from Test Valley

## Movers and Shakers

**South Wales** - Andy Roach has left Haverfordwest GC after 28 year of loyal service we wish him every success in his new venture. Malcolm Davies has Left Cradoc GC After 35 years of loyal service, when he said to me he started in 1979 I said that was the year I was born! Good luck both.

## Thanks to Sponsors

**South West** - Special thanks to all of our Section Patrons for their ongoing support: EcoSol, Greensman, Irritech, Headland Amenity, Countrywide and Farmura.

**South Coast** - Thanks to our Summer Comp sponsors Tacit and Mark Day for presenting the prizes.

## Welcome New South West & Wales Members

James Carash, Assistant Greenkeeper, Cricklade Hotel Golf Club, South West

George Briggs, Assistant Greenkeeper, Brokenhurst Manor Golf Club, South Coast

Thomas Cunningham, Greenkeeper 21 yrs & over, Corhampton Golf Club, South Coast

Daniel Jeffries, Assistant Greenkeeper, Alresford Golf Club, South Coast

## Welcome New International Members

David Colley, Rosslare Golf Club, International, Republic of Ireland  
Sergio Baselgia, Golfpark Nuolen AG, Switzerland

## A new look

Based on feedback from the recent GI survey, we've refreshed and improved this section of the magazine.

Please send your news and photos in to your section correspondent or Steve Castle (steve.castle@bigga.co.uk) by the 10th of each month



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# How well do you know your greens?

When you miss a short putt is it always your fault? Leaving aside the putter, the wind and the jangling of coins in your opponent's pocket, what else comes to mind? Could it be the surface of the green, which so often gets the blame for those three putts?

Yes it could, and more often than you might think, as Malcolm Peake tries out the Greenstester



**From six feet, four out of ten putts can miss the hole on a poor surface. But until recently, there has been no way of quantifying the problem in an objective fashion. However, a new tool has been launched which helps to monitor the surface performance of greens throughout the year.**

The Greenstester is an exciting and affordable new measuring tool which is supported by The R&A, and used for assessing objectively the reliability of putting surfaces. This will be of help to agronomists, Course Managers or any Golf Club officials to measure the consistency of their greens and for recording the information.

The idea for the Greenstester evolved because Nick Park, a long term member of The R&A Golf Course Committee, felt there was a requirement for an affordable tool which could regularly measure the trueness of golf greens. When golfers stand over a putt, if they stroke it on the right line and at the right pace they expect to have every chance of holing the putt.

The search then led back to an idea first used over a century ago. In 1908 Sir Ralph Payne-Gallwey used a ramp on a snooker table to prove that most golf balls at that time had a centre of gravity that was not centred. He did this by aiming a succession of balls at a thimble placed on the black spot, released down the ramp from the

## CAUSES OF POOR SURFACE PERFORMANCE

1. Variable growth of sward
2. Seeding Poa annua
3. Disease scars
4. Pitch marks
5. Moss/weeds
6. Foot printing on the green in swards with high organic content or thatch
7. Aeration and remedial work

'D'. The equivalent of an 8 foot putt, some of the balls ended up in the corner pocket! The Greenstester was gradually developed after tests using the Stimpmeter.

Fintan Brennan, Course Manager at Portmarnock Hotel and Golf Links, had 15 years' experience in the steel industry, and with his engineer brother Ray immediately grasped the potential of the Holing Out test, and developed a special curved ramp.

The testing on the exceptional true fescue dominant greens of Waterville and Portmarnock Links produced excellent results, but it was felt the ramp needed to be trialed on a wider variety of playing surfaces. It was agreed that testing should be undertaken on my home



#### THE BENEFITS OF THE TEST ARE

1. Monitoring reliability on a year-on-year comparison
2. Checking reliability after disruptive remedial greenkeeping work. Useful to reassure members and visitors
3. Checking reliability in advance of major club events
4. Saving costs by only mowing or rolling when necessary, especially off season

course of Temple, and I was soon invited to use other local courses such as Beaconsfield, Bearwood Lakes, The Berkshire, Hennerton, Maidenhead, and Stoke Park.

The Course Managers became involved in the tests, contributing with suggestions and comments on the performance of the prototypes, which helped define the final model.

The testing in Ireland was on a links course dominated by fescue grasses, while in the Thames Valley the testing was on downland, heathland and parkland with fescue, bent dominant or nearly pure Annual meadow grass (*Poa annua*) greens.

With some of the courses having push up greens over 100 years old,

and others modern USGA type specification, we felt that nearly ever type of golf green in Northern Europe would be covered.

For over a year, with Temple's Course Manager Martin Gunn, we tested the reliability and speed of the their greens, and over the trial period we collected an immense amount of data.

It became clear from our anecdotal evidence that the dominant fescue/bent greens provided the most reliable putting surface for year round golf. As an aside: the fescue/bent greens suffered much less disease, required less fertiliser, pesticide and water applications, in fact were more economical to manage in every way.

At Temple this type of surface allows the golfer to play the course as the architect (Willie Park Jnr) intended, giving the golfer more options and more challenges.

The Club is using the information gathered and now micro managing the different greens to bring them to a similar high fescue/bent standard.

Recently I saw a piece in the Golf Course Architects magazine written by Dr David Greenshields - the R&D Manager at Barenbrug - describing the 4 year trials at the STRI which states that they strongly indicate that the preferred grass composition for golf greens under year-round play in the UK is a combination of fescue and bent. This has endorsed our anecdotal evidence using the Greenstester.

**“It became clear from our anecdotal evidence that the dominant fescue/bent greens provided the most reliable putting surface for year round golf”**

Keith Adderley, Secretary at Temple, said: “Having been a fascinated observer during the process which saw the Greenstester conceived, tested and manufactured, I can see nothing but benefit from its use.

A simple and cost effective tool that, if used on a regular basis, will create a bank of meaningful and, more importantly, useful, statistical information relating to the performance of putting greens.

From where I sit the golf industry is onto a winner and what's more golfers seem genuinely interested in finding out more when they see the Greenstester being used on the course. It will benefit Course Managers, Secretary/Managers, Green Committees, and golfers.

This is one of the most exciting and affordable developments to hit the course maintenance market for many years.”

Interpretation of results should be kept in context as even surfaces which record 10/10 from any given distance are only true and reliable on that day, and only on the line of the putt.

On one course used regularly for testing the Course Manager has found that he can reduce the mowing and/or rolling and still attain the required green speed and reliability, which has yielded savings in a number of areas.

All of these causes of poor surface performance are preventable on a well-built and well-maintained putting green except, perhaps, during periods of extreme weather.

The test is an aid to monitoring the reliability of putting surface, and should be used in conjunction with firmness and speed data.

The R&A will be reviewing the protocol and updating it as necessary. See [www.randa.org/thegolfcourse](http://www.randa.org/thegolfcourse) for more detailed information.

The Greenstester is already gaining recognition around the world and one of the earliest agronomists to appreciate its benefits is Dr Micah Woods, Chief Scientist at the Asian Turf Centre, who took delivery of a Greenstester earlier this year and trialed it in Japan, India, the Philippines and Thailand.

He said “The R&A Holing Out Test is an important addition to the evaluation of putting green per-

formance, because it allows us to measure something that is closely related to the game.

If we make a perfect stroke, is the green reliable enough that the ball will go in the hole?

Putting greens that are reliable, meaning that the ball goes where it is intended, are sure to reward good putters with more birdies. I, for one, am excited about that prospect.”

So there we have it, an affordable tool which will assist Greenkeepers working to produce quality putting surfaces, whilst also providing golfers with more reliable greens for year round golf.

Those short putts might get a bit easier in the next year or two!

For more details see [www.greenstester.com](http://www.greenstester.com)

# Merion to Muirfield, who would be a Greenkeeper?



Donald Steel, GTC Chairman, Golf Course Architect and Golf writer, on the ongoing challenges facing greenkeepers

**It was a timely reminder of the distance the modern ball travels that Merion had a par 4 finishing hole that could have played 530 yards for the US Open in June.**

Justin Rose's glorious victory was completed with a classic drive and 4-iron when the 18th tee was moved forward to measure 511 yards but one interesting factor was the neat comparison with an equally epic climax from the past.

Rose's drive, blind over the hill, finished alongside the plaque marking the spot in 1950 from which Ben Hogan hit his famous 1-iron but the hole for that Open measured 448 yards; and Hogan was the best driver of his generation even though his appearance after a near fatal car smash the previous year was nothing short of miraculous. What is more, Rose's second shot finished at the back of a large green, Hogan's at the front left.

If the ball isn't going any further, as some suggest, an intriguing

question is why nearly every championship and tournament course in the world has sought extra yardage to shore up its defences? Merion, one of the shorter courses for a major championship, found itself back in favour after a spell of 32 years on the sidelines simply because it could be lengthened by 450 yards.

That, in itself, was some achievement although, equally remarkably, 135 of those yards came on three par 3s. The 3rd, 9th and 17th played 256, 236 and 246 yards, the fourth par 3, the 13th, no more than a chip and a putt. Incidentally, Merion's two par 5s, the 4th at 628 yards, come in the first four holes followed by two par 4s of 504 and 487 yards after which it was all downhill.

Well almost! For all that the layout included five par 4s under 368 yards, nearly every hole took its prisoners.

Nevertheless, Merion's reinstatement was a cause for rejoicing, a



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triumph for Matt Shaffer, Director of Golf Course Operations, whose brief was to set up Merion so that nobody broke par. Nobody did. Merion is a classic course of welcome variety that has contributed more than its share of glory to America's golfing history. One of its favourite features is a first tee right outside the locker room, its Englishness accentuated by its original title of Merion Cricket Club in the outskirts of Philadelphia. However, as Shaffer states, "Merion isn't European and it isn't American in design. It is Merion".

He added crucially, "there was so much at stake for this championship but the question was whether change could be made fairly and who decides? It would have been far easier to move greens but we established early on that that, more than anything, would ruin the integrity of Merion". The weather is always the mitigating factor and greenkeepers everywhere will have spared a thought for Matt who had to contend with a very wet build up





to his preparations and a tornado on the first morning.

By contrast, Muirfield, firm and fast, was bathed in sunshine. It is impossible not to make comparisons with Merion if only to underline that the Gods invariably have the last word. A year ago, they were pumping water out of bunkers at Lytham. Matt is a huge advocate of "firm and fast" but, as all greenkeepers recognise, he had to accept what came and deal with it.

Nevertheless, Merion is the latest example of almost obligatory course adjustment to suit current needs. Previously, in 1981, "the US Open was played with a soft ball, true temper shafts and persimmon woods". To my mind, one general guideline for any course set-up is encouragement of good driving, a point picked up by Paul Lawrie in Golf World recently. "The ball and the size of the driver head have changed the game the most. The ball goes further and doesn't move as much in the air, which isn't a good thing. A lot of mediocre to



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decent players are winning a lot of money. Before, you had to be really talented to do that. The art of driving has been lost".

On the eve of Muirfield, talk inevitably centred on irons off the tee, one leading player asking "when you hit a 2-iron 350 yards, why take a driver?" However, a precedent for irons was set in 1987 when, in the third round in terrible conditions of wind and rain, also at Muirfield, Sandy Lyle went round in 71 without hitting a single wooden club for any shot. 26 years on, players either couldn't, didn't want to or didn't need to, take a driver - one solution for a 379 yard par four being a 7-iron and a sand wedge.

Most courses were never designed to suffer some of the indignities

and battle lines have to be drawn early but a particular pet hate is encircling greens with collars of clinging rough and remote pin positions that can be virtually inaccessible even from the shortest range. Does anybody really applaud the need for a full swing to dislodge a ball within a few feet of the pin, knowing that, if they do, it will roll off the other side into somewhere just as unsavoury?

Green speed also comes more into the equation, today's sophisticated mowing machines achieving lower heights of cut, making selection of sympathetic pin positions even more problematic particularly with varying wind strengths. Greenkeepers need no reminding that playing conditions can vary

## "Merion's reinstatement was a cause for rejoicing, a triumph for Matt Shaffer, Director of Golf Course Operations, whose brief was to set up Merion so that nobody broke par"

inflicted on them nowadays even if it is acknowledged that width of fairways and pin positions are key ingredients in course presentation. Long ago, it was said that "without fast greens and thick rough, Merion, for all the strategic niceties of the holes, couldn't hope to stand up to the present professional brigade". But narrow fairways and thick rough can curb aggression which isn't always what people pay to see although, happily, links golf should never respond purely to muscle power. Subtlety, touch, feel and judgement are greater requirements.

When limits are exceeded on any course, conditions quickly become undesirable not to say impossible. Rough cannot be grown to order

significantly between six o'clock in the morning and six in the evening never mind from week to week. Things are rarely easy. Less than a month after the US Open, Matt, back in Merion, faced 95 degree heat and insufferable humidity. Who'd be a greenkeeper?!

And somewhere in the back of my mind, I seem to remember Phil Mickelson fearing on the first evening that some parts of some of the greens at Muirfield might be dead. Happily, Colin Irvine and his gallant band of helpers quickly showed they were alive and kicking, Mickelson, a Links convert (even without a driver in his bag) responding with the round of his life to gain the oldest title in the game. Another happy ending for all.

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Hole	Par	Yards	Eagles	Birdies	Pars	Bogeys	Double Bogeys	Other	Rank *	Average		
1	4	350	1	81	308	58	8	1	16	3.987		
2	5	556	3	96	266	71	15	6	14	5.042		
3	3	256	0	27	266	151	13	0	8	3.328		
4	5	628	0	54	279	99	17	8	10	5.230		
5	4	504	0	12	169	220	51	4	2	4.706		
6	4	487	0	23	235	171	26	1	4	4.445		
7	4	360	0	62	300	90	10	4	13	4.110		
8	4	359	2	83	287	77	6	1	15	4.011		
9	3	236	0	23	273	129	28	3	6	3.375		
Out	36	3736	6	461	2383	1056	174	28		38.237		
10	4	303	4	124	257	56	12	3	17	3.906		
11	4	367	0	70	258	102	21	6	11	4.206		
12	4	403	0	58	298	85	14	2	12	4.133		
13	3	115	0	126	291	39	1	0	18	2.814		
14	4	411	0	30	243	147	28	9	5	4.444		
15	4	464	0	42	239	129	29	18	3	4.455		
16	4	430	0	33	285	116	20	3	9	4.291		
17	3	246	1	22	270	141	20	3	7	3.363		
18	4	521	0	11	178	208	54	6	1	4.707		
In	34	3260	5	516	2319	1023	199	50		36.309		
Total	70	6996	11	977	4702	2079	373	78		74.546		

Stats courtesy of the USGA

# BUYERS' GUIDE



## Blinder Bunker Liner

It has been an exciting year for the Sunningdale based company going from strength to strength with bunker installations and receiving great feedback from course managers across the country and Europe who have been dealing with difficult conditions and still experiencing perfect conditions in there blinder bunkers, that rake up, as if no rain has been falling.

More and more clubs are now returning for further installations of the bunker lining system that uses Environmentally approved rubber, graded to bridge with sand and mixed with a special binding agent to provide a strong flexible base able to withstand golf club strikes without damage to the liner, club or player which no other liner can boast! The liner also has incredible drainage qualities and longevity.

The launch of the new Blinder Eco path has also been exciting and demand has been driven by course manager's wanting a natural but hard wearing solution for pathways that blends perfectly into the environment. The coated shredded rubber comes in a variety of colours that can be used alone or in a blend. The rubber is mixed with a binding agent and forms a hard wearing, wash free path resembling wood mulch, but without the negative effects.

Blinder bunker liner and Blinder Eco path are installed by Pro fusion Environmental a leading golf course contractor, with a wide variety of experience in all aspects of golf course construction.

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## CONSTRUCTION

Photo courtesy of Ridding Park  
Repton Short Course 'Signature Island Green'.



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