

From Grazing to Scottish Open in 5 years and the story so far





Castle Stuart

Seaside location

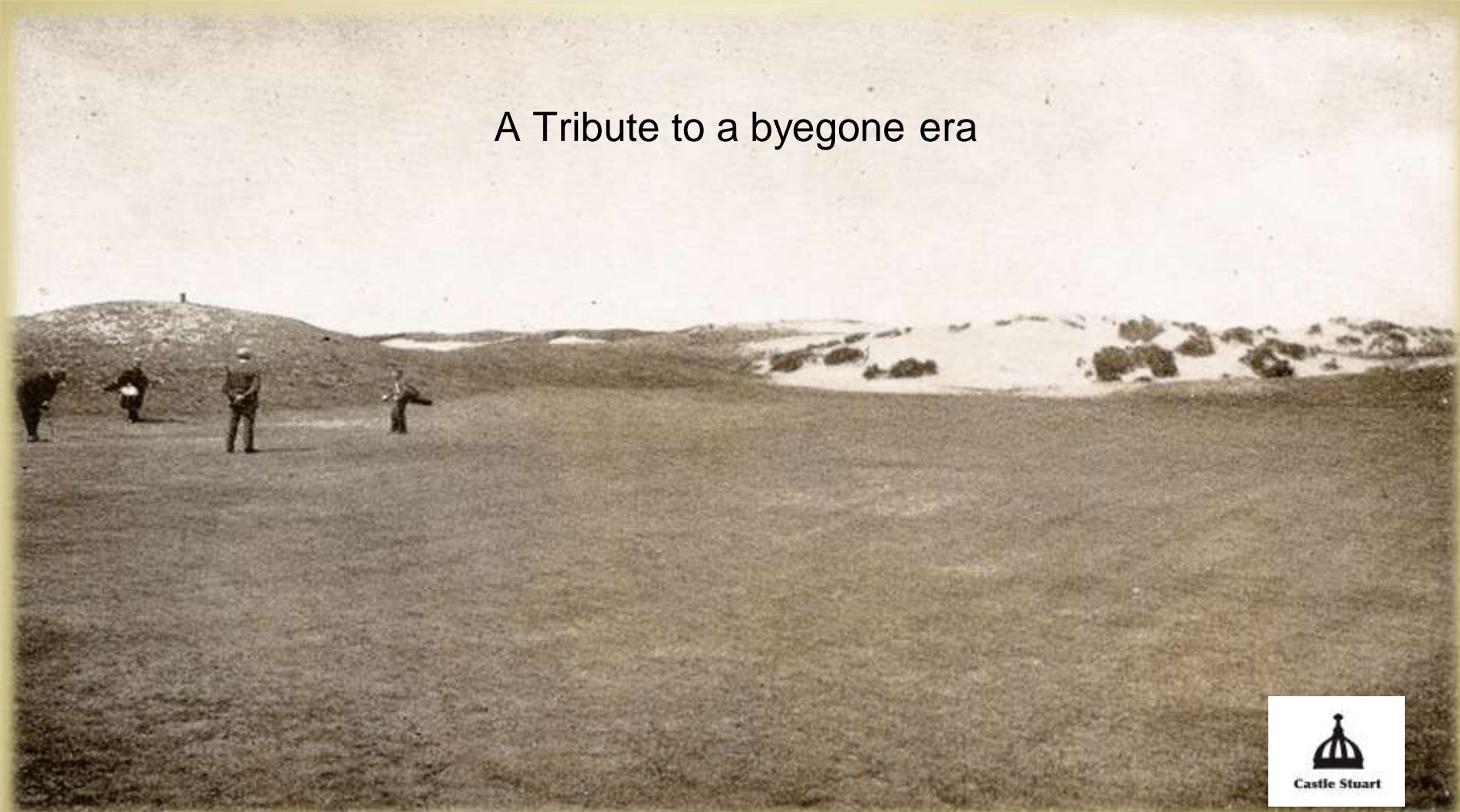


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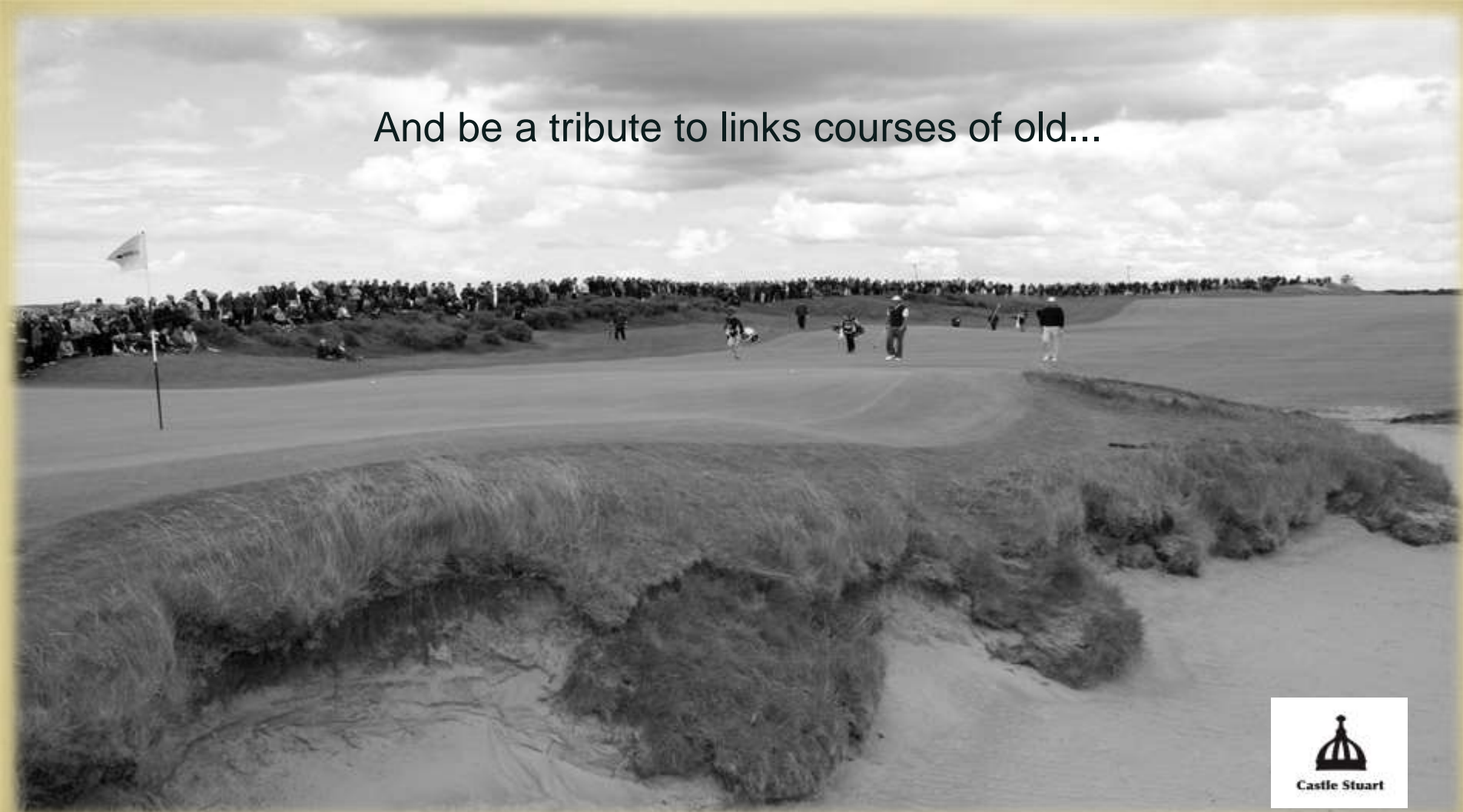
Castle Stuart

A Tribute to a bygone era

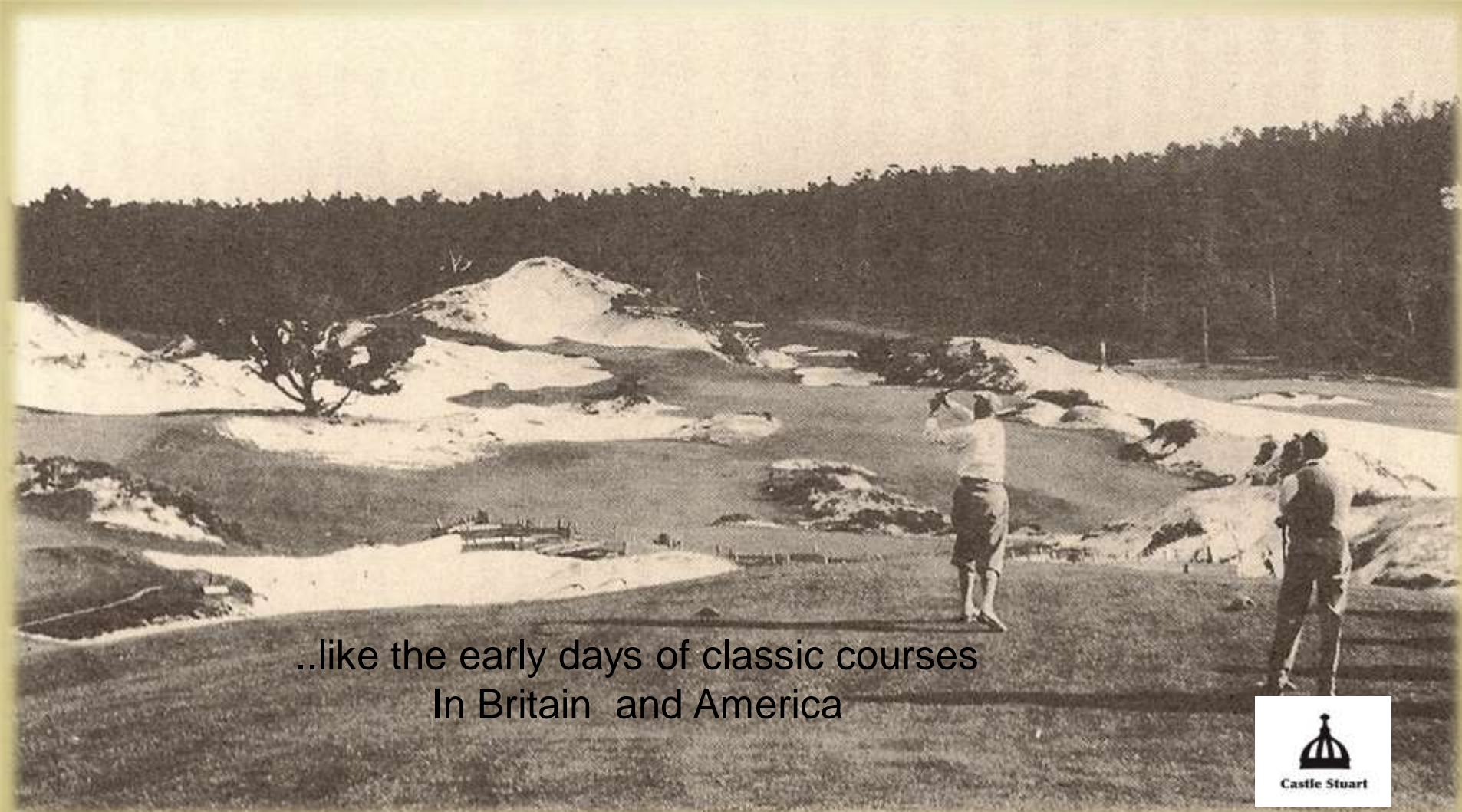


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And be a tribute to links courses of old...



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..like the early days of classic courses
In Britain and America

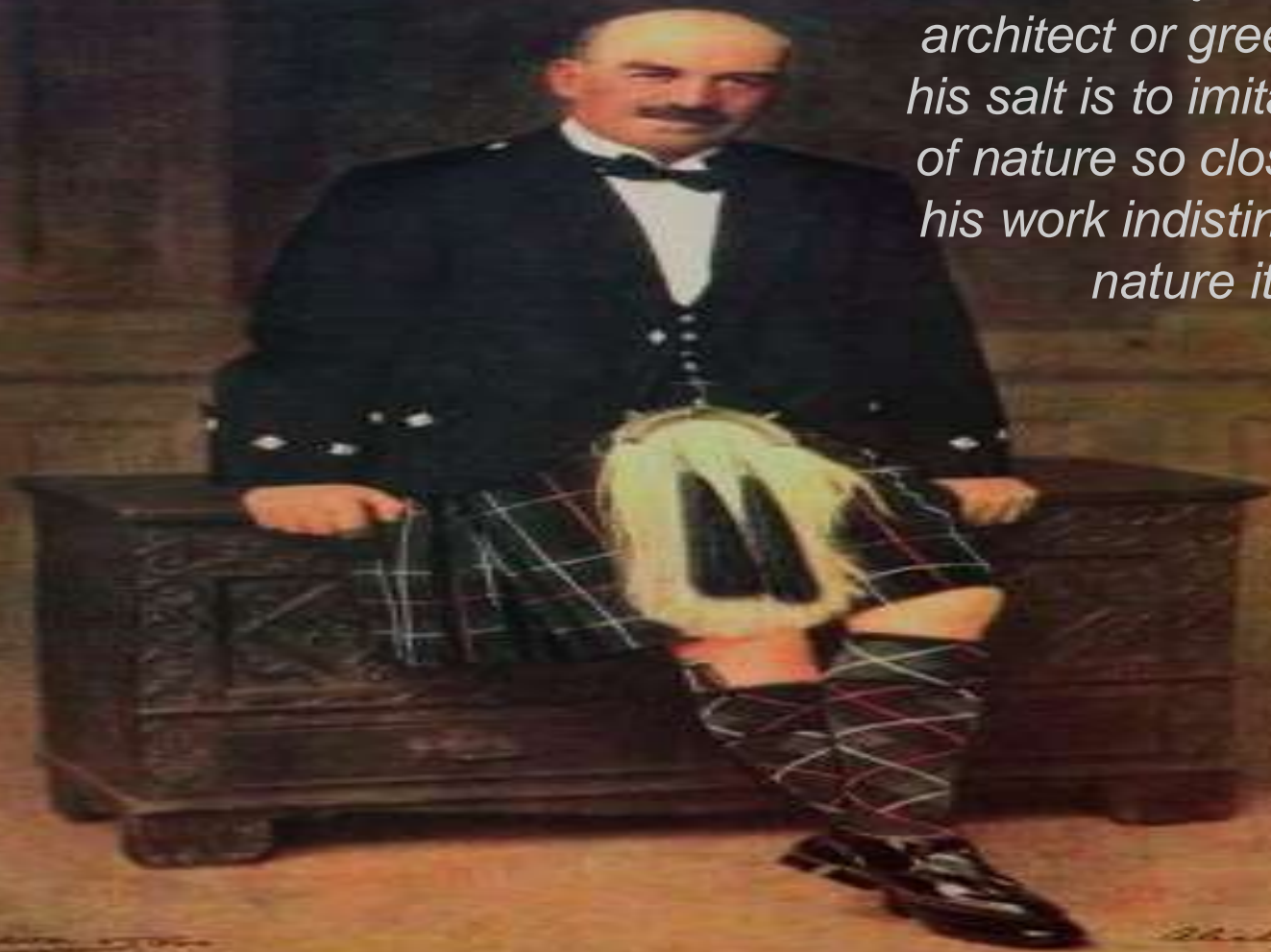


It should give an early 1900s feel...



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“The chief objective of every golf architect or greenkeeper worth his salt is to imitate the beauties of nature so closely as to make his work indistinguishable from nature itself.....”



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Links contours were created.....



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Waste areas to mimic nature itself



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.....and formed from indigenous sandy wastes



Infinity edge greens were created.....




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Landscape mosaic.....

70% of the site was on sand...



Construction of the 3rd hole





Topsoil stripping



Storage and reshaping of topsoil



Rough Shaping





Bunker Construction with chunks



Transport to site

Placement of chunks





Combination of Chunks and Revet

Finished bunker



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1 week 1 hole
Sandcap,



Tracking in and seeding of greens , surrounds,
tees and smaller areas





Irrigation heads put in,
Fairways and semis Drill seeded then Cambridge rolled

Sand cap finishing



Landscape detail and Planning



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Patience and creativity



Produce Quality Natural looking vistas and great
playability



Why are Fine Fescue cultivars and sub species
so important?



Drought tolerance

30.000m² a year useable resource



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Summer colour

Winter colour

Density

Wear Tolerance



Disease Resistance



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Fescue Cultivars

Greens, Close Mown Trials (Mown at 4-7mm)

Table G2

Chewings fescue (*Festuca rubra commutata*)

Cultivar	Root density	Visual merit	Mean	Resistance to red thread	Winter greenness	Summer greenness	UK Agent
Bartineus	8.4	6.1	6.3	7.6	7.0	5.1	BAR
Musica	7.8	7.8	7.8	6.4	5.9	7.3	BAR
Bargeon II	7.8	7.7	7.7	6.6	6.3	5.6	BAR
Eurocrown	7.7	7.7	7.7	7.3	6.9	6.3	DSV
Nidley	7.8	7.5	7.7	5.4	7.3	7.4	LMG
Valletta (LA)	7.6	7.6	7.6	7.2	6.8	7.1	DLF
Humboldt	7.8	7.4	7.6	7.0	6.6	6.4	DLF/JNS
Greenstones	7.7	7.3	7.5	6.7	6.6	6.0	RT/IG
Cakile	7.1	7.0	7.1	6.2	5.4	5.5	LMG
Carlota	7.0	7.1	7.0	6.1	5.9	5.9	BAR
Borswing	7.1	6.9	7.0	7.6	6.3	5.8	BAR
Bolzano	6.8	7.2	7.0	4.5	6.4	6.8	SUT/IG
Trowle	7.0	6.9	7.0	7.4	5.3	5.5	DLF
Barbado	6.8	7.1	6.9	5.0	6.3	5.6	BAR
Wapiti (LA)	6.8	6.9	6.8	6.1	6.4	5.8	DLF
Greenmilla	6.7	6.9	6.8	7.0	6.5	6.7	RT/IG
Lufra	6.6	6.9	6.7	6.3	6.5	6.1	DSV
Callage	7.0	6.4	6.7	4.9	5.0	5.6	RT/IG
Doriana	6.5	6.8	6.6	7.4	7.2	6.6	G
Mission	6.6	6.6	6.6	5.8	6.1	7.8	DSV
Excellence	6.4	6.7	6.6	5.8	7.0	7.3	DSV
Wagner I	6.6	6.5	6.5	5.8	6.5	7.7	DLF
Lichampion	6.4	6.6	6.5	6.3	5.8	7.0	DSV
Monuels	6.4	6.7	6.5	6.8	6.2	7.1	LMG
Melita	6.4	6.6	6.5	6.9	6.0	5.7	DSV
Cherise	6.5	6.3	6.4	5.8	5.2	6.3	DSV
Blenheim	6.6	6.2	6.4	6.4	6.2	6.8	DLF/JNS
Brahms	6.3	6.4	6.3	5.6	7.1	5.6	RT/IG
Raina	6.6	6.0	6.3	5.4	5.5	5.5	G
Joanna	6.3	6.2	6.2	4.4	7.8	7.5	G
Trophy	5.9	6.4	6.2	6.5	5.0	6.3	DLF
Olivia	6.1	6.1	6.1	5.3	5.3	5.4	DSV
Capriccio	6.0	5.9	6.0	6.3	5.4	6.2	DLF
Livista	5.9	5.5	5.7	6.1	5.2	6.0	DSV

New Cultivars

Ramona	7.7	7.8	7.8	7.4	6.4	5.8	DSV
Biologia	7.8	7.6	7.7	7.2	5.8	5.5	BAR
Siskin (LA)	6.9	7.0	6.9	7.4	6.3	7.2	DLF/JNS
Espana (LA)	7.0	6.9	6.9	7.2	6.9	7.3	DLF
Kelaria	6.7	6.3	6.5	5.5	7.0	6.3	DSV

Table G3

Slender creeping red fescues (*Festuca rubra litoralis*)

Cultivar	Root density	Visual merit	Mean	Resistance to red thread	Winter greenness	Summer greenness	UK Agent
Viktoria	8.1	8.0	8.1	8.1	6.4	7.8	BAR
Nigella	7.7	8.0	7.8	7.8	5.4	6.2	DLF/JNS
Boudin	7.8	7.7	7.8	6.9	5.7	5.2	DLF/JNS/TG
Cezanne	7.6	7.9	7.7	6.5	4.3	4.9	DLF/JNS
Barcrown	7.7	7.4	7.5	8.3	6.2	6.8	BAR
Barpearl	7.0	7.3	7.2	8.1	6.3	6.2	BAR
Turner I	6.9	7.4	7.2	5.4	6.3	7.0	RT/IG
Veladora	7.1	7.2	7.1	6.4	5.5	6.0	DLF
Barprince	7.1	7.1	7.1	7.1	4.9	4.8	BAR
Finesto (LA)	7.0	7.1	7.1	6.1	5.2	5.3	DLF
Roggaa	6.9	7.1	7.0	4.4	6.3	6.0	BAR
Tremont	7.1	6.8	7.0	5.1	5.1	5.2	G
Mirador	7.0	6.9	6.9	7.6	4.6	5.4	G
AberCham	7.0	6.6	6.8	5.3	7.0	8.0	G
Musette (LA)	6.8	6.7	6.7	4.6	6.6	6.2	BAR
Borlana	6.5	6.6	6.5	6.3	5.5	7.6	G
Carousel	6.2	6.8	6.5	5.8	5.8	5.8	LMG
Nicole	6.6	6.4	6.5	5.4	6.0	6.0	DSV
Helena	6.4	6.3	6.4	5.0	5.6	5.2	RT/IG
Jawoll	6.1	6.5	6.3	7.5	3.3	4.2	DSV
Corrida	6.1	6.2	6.1	6.4	5.9	7.0	LMG
Serene	6.0	6.1	6.0	5.8	5.6	5.6	LMG/DLF
Libano	5.8	5.7	5.8	5.2	5.7	5.9	DSV
Mezzoforte	5.6	5.2	5.4	4.7	7.7	6.4	DSV
Semanta	5.1	5.4	5.3	5.6	5.5	5.4	DLF

New Cultivars

Apollina (LA)	7.3	7.4	7.3	6.5	6.0	5.5	DLF
Montjuu	7.3	7.3	7.3	7.9	5.9	7.1	ATR
EuroMare	7.1	6.9	7.0	4.8	6.9	5.9	DSV
Aechba (LA)	6.8	6.9	6.9	6.4	5.2	6.3	DLF
Cathrina	6.4	6.4	6.4	4.9	7.8	8.1	DSV



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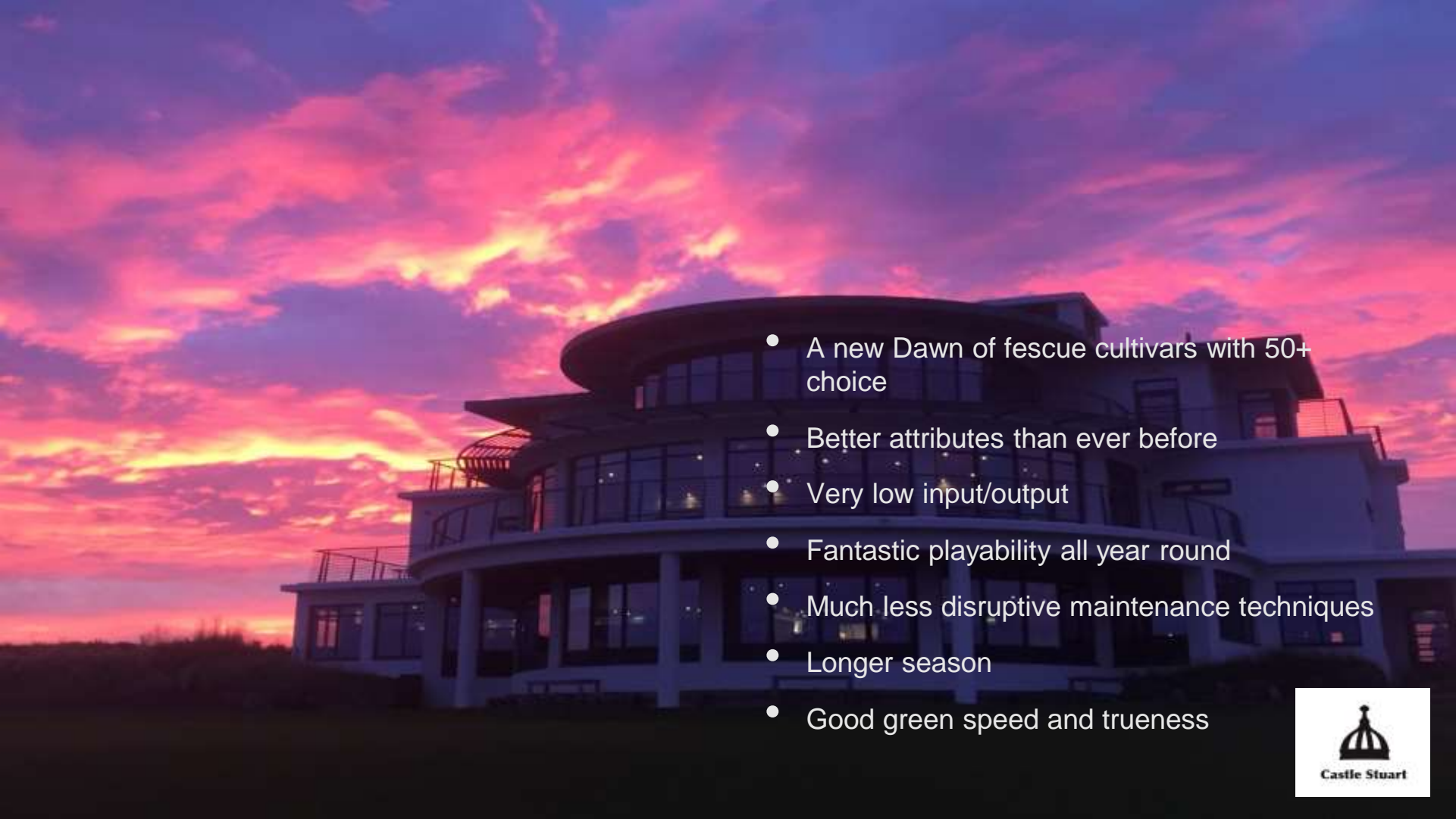
Greens Mix

- Calliope
- Barcrown
- Bargreen
- Musica
- Helena
- Cezzanne
- Barpearl

Fairways and semis roughs

- Barcrown
- Greenvie
- Cezzanne
- Reggae
- Calliope



- 
- A new Dawn of fescue cultivars with 50+ choice
 - Better attributes than ever before
 - Very low input/output
 - Fantastic playability all year round
 - Much less disruptive maintenance techniques
 - Longer season
 - Good green speed and trueness

Innovation in Fescue Management

Electric mowing producing higher HOC
with better greenspeed

Air Injection deep tine aeration

Fast efficient seeding

Rough management and thatch
management



Grow in- Get the turf up and dense Quickly

- Greens 150kg N ha
- 250-300kg N per Ha
Fairways

After Care

Wetting agent program

Overseeding 200kg ha

**Feed greens 50-90 kg N
ha**

Fairways 100-150 kg N

Luke Donald 2011 Scottish Open Winner and World No1
“The greens here are fantastic you know you are going to make long
putts”





**Ernie with the Claret Jug
at Royal Lytham & St Annes
2012...**

**.....the week after he
played Castle Stuart in
Scottish Open**

- 206 bunkers at Lytham versus 36 at CS
- Exactly the same wind conditions all four days
- Lytham Par 70 7086yds CS Par 72 7193yds
- What is par? R&A recognise strokes played
- Lytham renowned as one of the toughest Open venues
- Winning score at Lytham – 273
- **Winning score at CS – 271**

“It should almost be a
pre-requisite to play
Castle Stuart before you are allowed
to design golf courses”

Phil Mickelson





Thanks for listening





Phil Mickleson 2013 winner
“Every up coming Architect should visit Castle Stuart before they
design a course”

**IF IT ISN'T
DIFFICULT, IT
CAN'T BE
GOOD**

**By Stuart McColm
General Manager
Castle Stuart Golf
Links**

