

General requirements for golf clubs and greens staff

by **Tony Rees MIOSH, Health and Safety Consultant & Senior Instructor with ATB Landbase Training Services.**

This month I will concentrate on the employers duty to others and the duty placed on persons who design, manufacture, import or supply any article or substance for use at work.

Employers Duty to Others

Section 3. "An Employer or Self Employed person must not expose a Non Employee to a risk to health and safety who may be affected by the activities of the employer's business."

Employers and the self employed have a duty to conduct their Undertaking to ensure that any non employee eg Visitors, Contractors or Public are not exposed to any risk to their health and safety. They must also, when prescribed by a regulation provide information to non-employers about how the undertaking may affect their health and safety.

The above section requires employers and any self employed individual to ensure SO FAR AS IS REASONABLY POSSIBLE the health and safety of anyone not in their employment. In the context of golf clubs this includes:- Members of the Golf Club; Contractors working on the grounds or buildings; Visitors to the club and Members of the public.

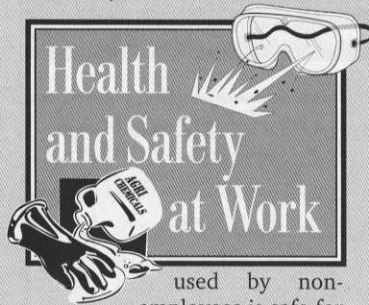
We must take account of any work that is being carried out and identify if this work will affect the health and safety of any of the above. For example, if machinery is in use which could endanger others we must ensure so far as is reasonably practicable that we inform all persons, likely to be involved, of the hazards and the possible risks associated, or, if we are using chemical sprays or similar, that account is taken of the non members of staff and how they may be affected by these substances. In some instances signs and notices should be prominently displayed warning of the work that is being undertaken or the areas of work cordoned off. This is particularly important if there are any footpaths and/or rights of way that permit public access.

We should also remember that this section of the act places a duty on contractors or the self employed not to expose us, our staff, club members or any others to any undue risks from their work. This should be achieved by ensuring that they carry out a risk assessment on the work to be undertaken before the work commences and convey all this information to us.

Section 4. Duty of persons in control of premises and sites to non employees.

Those persons in control of premises and sites must provide safe Access/Egress and ensure that the premises and site are safe for use and also that Plant and Substances are safe for non employees' use.

Which will mean that we must ensure that all equipment provided by us and



used by non-employees is safe for them to use for example a powered golf buggy. We should also ensure so far as is reasonably practical that all this equipment is used safely. For example, if someone overturned a golf buggy on sloping ground, the buggy which we had permitted them to use without ascertaining their competence, we could be deemed to be responsible.

This will also apply to building use, the clubhouse and changing facilities must be so far as is reasonably practicable be safe for all users by ensuring that the access and egress is adequate, electrical systems and equipment are safe and the structure of the buildings themselves are safe for use.

It is important that when we have contractors working on our site we should ensure that they use their own equipment for the work they are undertaking. This is an important factor as we can ensure that the equipment they use is safe but as they are not directly under our employ we

can not ensure that they are competent to use the equipment and this is a major factor which should be considered by all contractors.

Duties of Designers, Manufacturers, Importers and Suppliers

Section 6. The duty of any person who designs, manufactures, imports or supplies any article or substance used at work shall be to:- ensure they are safe and without risks when used at work; carry out any tests and examinations as may be necessary; provide any information about the safe use of the product and anyone installing or erecting the article you use at work has the same duty to ensure that on completion the article is safe to use.

The above section of the act requires persons who design, manufacture, import or supply equipment or substances to ensure so far as is reasonably practicable that the articles or substances supplied are safe and without risks to health and safety.

This means that anyone supplying equipment must ensure so far as is reasonably practicable that all dangerous parts on equipment are guarded to the required standard (BS 5304 Safe Guarding of Machinery) also they must provide information on the safe use and maintenance of the machinery. They should also indicate the presence of any hazard (noise, fumes etc) which could be present with the machinery. The safe use of machinery will be covered in future columns.

With substances supplied for our use we should be provided with a Substance Health and Safety Data Sheet which will give us information to enable us to take the required precautions and enable us to use the substance safely. This will also enable us to comply with the Control of Substances Hazardous to Health Regulations which we will also be covering later.

■ Next month we will look at employees duties.

■ Further information on training courses and consultancy contact ATB - Landbase Training Services - Jean John on 01282 617466 or Tony Rees on 01686 622799.

ASSISTANT GREENKEEPER

Profile

Usually the spotlight falls on the Course Manager or Head Greenkeeper at a Club. Now it is the turn of those whose work often goes unheralded to star...

Name: **Robert Purll**

Age: **26**

Club: **Wilderness Golf Club**

Position: **Assistant Greenkeeper**

1. How long have you been a greenkeeper?

Six and a half years

2. What education are you currently undertaking?

NVQ Level 3

3. Which one task do you most enjoy doing?

Construction and renovation

4. Which one task do you most dislike doing?

Divoting fairways

5. What job other than greenkeeping might you have ended up doing?

Banking

6. Who has been the biggest influence on your career?

Wilderness Golf Club

7. What would you do to improve the life of a greenkeeper?

More money and fewer golfers!

8. What are your hobbies?

Gym, golf, reading and socialising

9. What do you get out of BIGGA?

Golf, education, magazine, seminars

10. What do you hope to be doing in 10 years time?

Course Manager.

Buyers' Guide

The most cost-effective way of reaching readers of *Greenkeeper International*. Simply ring Amanda Freeman, Jenny Panton or James McEvoy on 01347 838581 and ask about an alphabetical category listing: the cost starts from as little as £28 per month.

Agronomy

B Jamieson Golf Advisors Ltd

Bruce Jamieson formally Director of Agronomy with the PGA European Tour has now formed the above company offering expert advice on:

- ◆ Golf course maintenance
- ◆ Tournament preparation and presentation
- ◆ Machinery selection
- ◆ Budgeting
- ◆ Staff recruitment
- ◆ Soil and turf analysis

Contact: **Bruce Jamieson**
10 Ashlea, Hook, Hampshire RG27 9RQ
Telephone 01256 760870

Gordon Jaaback

consulting agronomist

offers a practical and scientific approach to problem solving and an all-round service towards cost-effective golf course construction and maintenance

Introductory visits without obligation

25 Cheviot Close Tel/Fax
Tonbridge TN9 1NH 01732 350351

PSD AGRONOMY LTD

A COMPLETE AGRONOMIC CONSULTANCY SERVICE FOR THE GOLF CLUB and GREENKEEPER

- Contract Management of Extensions and New Courses
- Site Management and Problem Diagnosis on Existing Courses
- Technical Advice and Support all year round
- Soil and Turf Analysis

For further information contact:
David Stansfield or John Hacker
42 Garstang Road, Preston PR1 1NA
Tel: (01772) 884450 Fax: 884445

GREENKEEPER International

Greenkeeping's premier publication

Animal Repellents

SCUTTLE

For Humane Rabbit Control



MAFF No. 04559

FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

FAIRWAYS

DISCREET CONTROL

CONSULTANCY
ENVIRONMENTAL SERVICE & TRAINING

Rabbits & Moles...
Our problem!

SPRINGER HOUSE • WINDMILL LANE
KEMBLE • CIRENCESTER GLOS • GL7 6AN
TEL: 01285 770919
FAX: 01285 770910

YOU'RE ONTO A WINNER WITH GREENKEEPER INTERNATIONAL

Find three tiny £50 notes – win a real one, for free!

HERE WE GO with another chance to WIN £50 with Greenkeeper International!

All you have to do is take a look at this £50 note symbol. Now look through the ads in the Buyers' Guide section and spot THREE of them – they've been reduced in size, but they're there, somewhere!

Write down the names of the three ads where the £50 notes are located and send your entries on a postcard to: **Note the Notes Competition, BIGGA, Aldwark Manor, Aldwark, Alne, York, North Yorkshire YO6 2NF**, to be received by first post Friday April 25, 1997. The first correct entry drawn after that date will win £50. *It could be YOU! Enter today – and Note the Notes!*

Judges' decision is final. Not open to BIGGA staff.

£50

★ **David Denyer, First Assistant at Slinfield Park Golf and Country Club, was the lucky winner of last month's competition. A crisp £50 is on its way. YOU could be the next winner – get searching now!**

Amenity Spraying

WEED FREE®

PROFESSIONAL PESTICIDE APPLICATION AND ASSOCIATED TURF SERVICES

FOR ALL YOUR SPRAYING REQUIREMENTS

Tel: 07000 481011
Fax: 07000 481022
Mobile: 0850 300104

Unit 12 Lindenhill Road, Bracknell, Berkshire RG42 1UT.

'Weed Free' and the Daisy logo are registered Trade Marks

Architects

BRITISH INSTITUTE OF GOLF COURSE ARCHITECTS

Representing the leading European Practices in golf course design, working worldwide and offering professional services from initial site appraisals and feasibilities, conceptual designs, to detailed architecture, specifications and project management and construction design.

Merrist Wood House, Worplesdon, Guildford, Surrey GU3 3PE
Tel: 01483 236035 Fax: 01483 236037



JONATHAN GAUNT

B.A. (Hons.) Dip L.A.
GOLF COURSE ARCHITECT

From feasibility studies to complete design projects including contract supervision

44 Stanmore Road
London E11 3BU

TEL: 0181 532 9181 FAX: 0181 532 9553
Associate of the British Institute of Golf Course Architects

David Hemstock Associates

Consultants on:

- Golf Course upgrading
- New Course development
- Specialists in irrigation, drainage and contour surveys

Suite 4a, North Mill, Bridgefoot, Belper, Derbyshire DE56 1YD
Tel: 01773 827115 Fax: 01773 821284
E-mail 101327.2041@Compuserve.com

Artificial Grass

V
VERDE SPORTS LIMITED

Gabbotts Farm Barn,
Bury Lane, Withnell,
Chorley, Lancashire
PR6 8SW
Tel: 01254 831666
Fax: 01254 831066

- VERDE TEE FRAME
Steel platform, woven grass top.
- VERDE WINTER TEE
Generous size, self-install kit.
- VERDE DRIVING MATS
Top quality - Long Life - Best Prices.
- ARTIFICIAL GRASSES
- DRIVING BAYS AND NETS
For club and home use.

TWENTY YEARS EXPERIENCE SUPPLYING THE BEST SURFACES AT COMPETITIVE PRICES.

Please call for samples & information

HAVE YOU FOUND THE TINY £50 NOTES YET?

Track them down and win a REAL £50 note!
Get searching!

Ball Washers

BAYCO



COURSE ACCESSORIES GC700

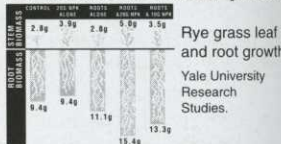


FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

Bio Stimulants

ROOTS

For increased root development



FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

Bridges

TOTAL TIMBER ENGINEERING

H.L.D. LTD

BRIDGES
Pedestrian and Vehicular
REVETMENTS
SHEET PILING
SHELTERS

HICKSON LEISURE DEVELOPMENTS
THE SHIPYARD, GAINSBOROUGH,
LINCOLNSHIRE DN21 1NG
telephone (01427) 611800 fax (01427) 612867

Buildings

THE GREENKEEPER'S CHOICE



Secure sectional steel buildings in various sizes.

- Machinery & equipment storage
- Fertiliser, weedkiller & seed storage
- Workshops ● Tool sheds
- Trolley stores
- Temporary fencing & secure enclosures

For FREE design service, quotation, brochures and technical advice PHONE NOW

0121 553 5723 (24hrs)
Elwell Buildings Ltd, 204 Oldbury Road, West Bromwich, West Midlands B70 9DE. Fax: 0121 580 1172

Greenkeepers' Stores Driving Ranges Club Houses

- ◆ Machinery Storage
- ◆ Maintenance Workshops
- ◆ Fertiliser and Weedkiller Storage
- ◆ Offices and Staff Mess Rooms
- ◆ FREE initial designs and costings

Ivan J Cooper Ltd
Steel Framed Buildings
Moorside Works, Cauldon Lowe,
Stoke-on-Trent ST10 3ET
Tel: 01538 702282 Fax: 01538 702662

Bunker Rakes

MEMBERS BUNKER RAKES FROM ONLY £2.54 EACH

Strong construction complete with replaceable threaded handle

12 for £2.99 each
50 for £2.69 each
100 for £2.54 each

Prices are for complete rakes delivered free.
Rake support pegs 70p each.

Made in UK by MW Dyason Ltd,
6/10 Hitchmead Road,
Biggleswade, SG18 0NH.
Tel: 01767 317011 Fax: 01767 317186

Chemical Disposal

CHEMICAL & EMPTY CONTAINER DISPOSAL A PROBLEM?

ENVIROGREEN offer a Specialist Pesticide Disposal Service for both full and empty Container disposal.

ENVIROGREEN LIMITED
49 Ringwood Road
Alderholt, near Fordingbridge,
Hampshire SP6 3DF
Tel: 0345 125398
Fax: 01425 656260

GRUNDON

Grundon can provide safe disposal for pesticides and herbicides and all chemical wastes. For more information on how Grundon can help with your "Duty of Care" telephone 01491 834311

Construction

BOURNE AMENITY

Specialists in Sports pitch construction

Drainage design and installation

Newenden, Cranbrook,
Kent TN18 5QG
Tel: 01797 252298



CONTACT THE PROFESSIONALS

Jonathan Franks, Secretary,
BAGCC, 37 Five Mile Drive,
Wolvercote, Oxford OX2 8HT
Tel/Fax: (01865) 516927

John Greasley

Specialist Contractors for the Construction of New Golf Courses

J D GREASLEY LIMITED

"Ashfield House" 1152 Melton Road,
Syston, Leicester LE7 2HB
Telephone 0116 269 6766
Fax 0116 269 6866

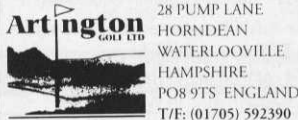
A New Company...For Your Golf Course

Renovations

Offering design and build remodels

- Experienced Designers
- Quality Construction
- Fixed Price

Philip House, Stamford Road, Bowdon,
Altrincham, Cheshire, WA14 2JU
Tel: 0161 929 8600
Fax: 0161 929 5060



28 PUMP LANE
HORDEAN
WATERLOOVILLE
HAMPSHIRE
PO8 9TS ENGLAND
T/F: (01705) 592390

Update Your Existing Course By:
TEE EXTENSIONS
GREEN RE-MODELLING
BUNKER ALTERATIONS
DRAINAGE
also NEW COURSE
CONSTRUCTION



ASHWELLS ROAD, BENTLEY
BRENTWOOD, ESSEX CM15 9SR

TEL: (01277) 373720
FAX: (01277) 374834



C.J. Collins Construction

Golf Course Contractors

Burgess Hill, West Sussex
Tel: 01444 242993
Fax: 01444 247318



CONTOUR GOLF LIMITED

Construction of new golf development and upgrading of existing courses

Tel: 01327 879464
Mobile: 0385 272935

Head Office: 105 The Severn, Daventry,
Northants NN11 4QS
Irish office: 026 471 183

Whitnell Contracts Ltd

Woodlands, Ellis Road
Boxted, Colchester
Essex CO4 5RN
Tel: (01206) 272834
Fax: (01206) 272104
Mobile: 0860 421074



RD JONES & SONS GOLF COURSE CONSTRUCTION

Design, Construction and Refurbishment Specialists
Cae Coch Farm, Whitford, Flintshire,
North Wales CH8 9EP
Tel: 01745 561761 Fax: 01745 561988
MEMBERS OF BIGGA

Cockleshells

WASHED COCKLESHELLS

Delivered Nationwide
Britain's No. 1 Supplier



Tel: 01229 468001
Fax: 01229 468002

BAILEY'S OF NORFOLK Washed Cockleshells

Delivered Nationwide, Competitive Prices
Brick Kiln Road, Hevingham, Norwich,
Norfolk NR10 5NL Tel: 01603 754607
Mobile: 0850 353603

Course Equipment

BAYCO



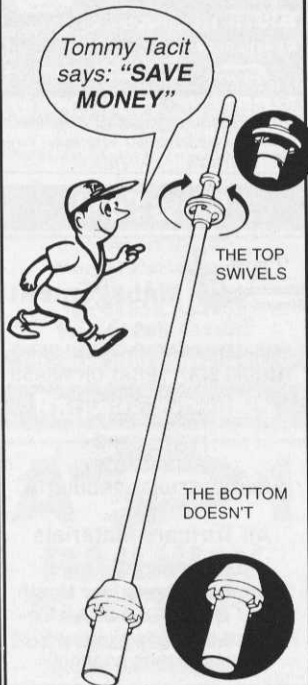
FOR FURTHER INFORMATION



CONTACT US ON
0118 951 0033

TACIT

The best for less!



Tommy Tacit says: "SAVE MONEY"



Lockon to Tacit's new Flagstick with Anti-wear Ferrule.

When used in conjunction with Tacit's quality Holecups, it will prolong the life of the Flagsticks and so keep them upright longer.

For further details contact:

TACIT

Golf Course Equipment Manufacturers

Tel: 01788 568818
Fax: 01788 537485

BOYD GOLF COURSE ACCESSORIES

IRELAND'S LEADING GOLF COURSE EQUIPMENT & ACCESSORY MANUFACTURER

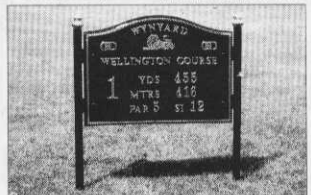
FOR MORE INFORMATION
TEL: (01247) 271163
FAX: (01247) 471136

MADE-TO-MEASURE PRO-TEE COURSE MARKERS

High quality cast construction
Range of colours
Durable & maintenance-free
Standard or tailor-made designs
Installed on metal posts or free standing

These elegant GRC markers are laser-made to include not only hole information, but also your club name and most, plus any other details.

LINKS LEISURE
Links Leisure Limited,
Unit 22, Civic Industrial Park,
Whitchurch, Shropshire SY13 1TT
Tel: 01948 620000 Fax: 01948 666381



Drainage

BARRY F COOPER & ASSOCIATES

GOLF COURSE DRAINAGE CONSULTANTS

COMPLETE SCHEME DESIGN AND SUPERVISION

61 Station Road, Great Bowden,
Market Harborough,
Leics LE16 7HL

Tel: 01858 467684
Fax: 01858 433942



Specialists in land drainage, golf course construction and maintenance

M J ABBOTT LIMITED

Bratch Lane, Dinton, Salisbury, Wiltshire SP3 5EB
Tel: 01722 716361 Fax: 01722 716828



DRAINAGE AND CONSTRUCTION OXFORD

Tel: 01865 736272 Fax: 01865 326176



* Vertidrain * Top-dressing
* Land Drainage * Overseeding
* All types of construction

(01734) 795454
Winnersh, Reading, Berkshire

AGRIPOWER LTD.

Construction
Drainage
Stone Picking
Verti-Draining

Tel: (01494) 866776

SLEATH & SON SPORTSTURF DRAINAGE

Full range of modern equipment providing UK and European service
Contact Geoff Sleath
Tel: (01709) 862109 Fax: (01709) 862075

Driving Range Equipment

RANGE SERVANT

UK Ltd

GOLF RANGE EQUIPMENT

Ball Dispensers, Collectors and Washers. Play Off Mats and Winter Tee Mats

AUTOMATIC TEE-UP UNIT

Tel/Fax: 01923 263777

at Abbott's Toolhire, Hempstead Road, Hunton Bridge, Watford, Herts WD1 3NJ

Environmental Monitoring

THE FULL RANGE OF INSTRUMENTATION

Do you need to measure

- Soil/Water ph • Rain Fall
- Wind Speed
- Soil/Water Temperature
- Air Temperature/Pressure
- Relative Humidity



FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

Environmental Products

For natural and environmental solutions to get you growing, contact:

farmura

Stone Hill, Egerton, Ashford, Kent TN27 9DU
Tel: 01233 756241 Fax: 01233 756419

Fertilisers



The Andersons. Uniformly the best in the business



The Highest Quality Nitrogen source in the industry with the most uniform particle size available



FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

Fertiliser Spreaders

The complete range of Professional Rotary and Drop Spreaders



AMTEC 50



AMTEC Drop Spreader



FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

Fountains

Fountains

For all your floating fountain and aerator requirements, contact S.G.I. Sales. Ask for details of our large range for functional and decorative displays.

S.G.I. Sales

6 Stuart Road,
Market Harborough,
Leics LE16 9PQ
Tel: 01858 463153
Fax: 01858 410085

Grass Cutting Equipment

SAVE MONEY!



EX DEMONSTRATION AND TOP QUALITY REMANUFACTURED GOLF COURSE MACHINERY AVAILABLE FROM STOCK

RANSOMES TORO JACOBSEN
RYAN HAYTER BEAVER
sisis CUSHMAN
VERTI-DRAIN ROYER
Loyds ISEKI KUBOTA

UK & EXPORT DELIVERY ARRANGED
Phone for a full catalogue NOW
GRENSWARD ENG. CO. Manor Farm,
Otley Rd, Adel, Leeds LS16 7AL. Tel: 0113 267 6000

Grass Seed

Turf Management Systems

for PRE-GERMINATED GRASS SEED "LIQUID SOD" SPRAY ON GRASS TOP DRESSINGS GRASS SEED FERTILISERS HERBICIDES HORTICULTURAL PRODUCTS and All Turfcare Materials
Dromenagh Farm, Sevenhills Road, Iver Heath, Bucks SL0 0PA
Tel: 01895 834411
Fax: 01895 834892

Irrigation

B SERVICE TORO IRRIGATION
BELL TURF & IRRIGATION SERVICES

East Midlands Area
Installation, Sales and Service

Everton, Doncaster, DN10 5DR
Tel: (01777) 817410

AutoFlow Systems

Auto House, Ashtree Works, Mill Road, Barnham Broom, Norfolk NR9 4DE
Tel: 01603 759701 Fax: 01603 758200

Call now for all your water requirements on commercial landscaping, golf courses, sports grounds, bowling greens, private gardens.
Your complete independent irrigation specialists

Logic Irrigation

Manufacturers & Distributors of quality irrigation equipment

- EICON radio remote control for TW2-1 and TW2-4
- AQUARIUS 2 PC based control system, runs in Windows 95
- LOGIC decoders, compatible with TW1 or TW2, 3 year warranty, lightning protection included. Multiway outputs, up to 4 valves.

from £18.00 per station

Tel: 01491 837 455

DECIDE AFTER TALKING TO US...

As Europe's most experienced independent consultants we are always ready to help you with advice on all aspects of irrigation related matters.



PO BOX 1192
Fordingbridge
Hants SP6 1YD
England
Tel: (01425) 652087 Fax: (01425) 652476

BRITISH OVERHEAD IRRIGATION LIMITED

Tel: (01932) 788301
Fax: (01932) 780437

INDEPENDENT CONTRACTORS FOR GOLF COURSE IRRIGATION SYSTEMS, UPDATES AND COMPLETE PROJECTS
BEST BUY B.O.I.L.

EXPERIENCE - EXPERTISE
CARE - SERVICE
since 1923

Founder Member BTLIA

Watermation

Manufacturers, designers and installers of GOLF COURSE IRRIGATION FOR 27 YEARS

Tongham Road, Aldershot, Hants GU12 4AA

Tel: 01252 336838
Fax: 01252 336808

A Nationwide Irrigation Service

A well designed and installed irrigation system is a vital component to a successful project.

OCMIS specialise in irrigation systems for sportsground, recreational, amenity and landscape areas.

We offer comprehensive expert consultations, designs, quotations, manufacture, supply, installation and service.
OCMIS are stockists of an extensive range of quality irrigation equipment for every requirement.

Regional offices throughout the UK
For further information contact
Head Office on 01460 241939

OCMIS

Buckner Hunter RAIN-BIRD

Design and service you can trust

TORO

HEMEL HEMPSTEAD

Tel: 01582 842800 Fax: 01582 842900

LITTLEHAMPTON

Tel: 01903 859933 Fax: 01903 859958

RINGWOOD

Tel: 01425 479232 Fax: 01425 472380

SANDBACH

Tel: 01477 500255 Fax: 01477 500633

SHREWSBURY

Tel: 01939 210877 Fax: 01939 210890

SCOTLAND LIMITED - BROXBURN

Tel: 01506 857666 Fax: 01506 857722

TURF irrigation

TURF IRRIGATION SERVICES LTD

M J ABBOTT LIMITED

Design, supply and installation of

RAIN-BIRD

Irrigation Systems

Tel: 01722 716361



Installation Sales & Service

N.E. England, Yorkshire, N. Lincs, N. Derbys, N. & S. Humberside
Contact: EB & L Simms
Tel: (01765) 602175 Fax: (01765) 603488
Par 4, Unit 18, Camphill Close, Dallamires Lane, Ripon, N Yorks HG4 1TT

MIST IRRIGATION SYSTEM CONTROLS LTD
(Inc. MACPENNY-CAMERON IRRIGATION)

IRRIGATION

Suppliers of Irrigation Equipment to Golf Courses, Bowling Greens, Landscapes, Horticulture.

- ★ Manufacturers of Irrigation Equipment
 - ★ Existing Systems renovated and upgraded
 - DESIGN - INSTALLATION - SERVICE
- Call now for all your irrigation needs.
MISC LTD, Unit 18, Hightown Industrial Estate, Ringwood, Hants BH24 1ND
Tel: (01425) 474614 Fax: (01425) 471296

Automatic Watering Systems for Sports and Leisure Grounds

Designed • Supplied • Installed

GLEN HEAT & IRRIGATION
Pinchbeck, Spalding, Lincs.

Gh Tel: (01775) 722327
Fax: (01775) 725444

IC IRRIGATION CONTROL

DESIGN, SUPPLY, INSTALL, SERVICE

INSTALLING THE WORLD'S FINEST IRRIGATION PRODUCTS

Area dealers for:
Hunter and Weathermatic.

WINSFORD CHESHIRE
Tel: 01606 558 927
Fax: 01606 862 882

Hunter®

The Irrigation Innovators

Phone or Fax for your list of
Hunter® Dealers
throughout the UK and Ireland

Sportsground Irrigation Co.

Tel: 01858 463153

Fax: 01858 810085

T. & G. TURF IRRIGATION SERVICES

38 Halfpenny Lane, Knaresborough,
North Yorkshire HG5 0NS

Tel & Fax: (01423) 864963

Full member of B.T.L.I.A.

I.L.S. Irrigation Systems & Equipment

For all your irrigation requirements, whether a new installation or system refurbishment - contact us now for a free survey, design and quotation.

I.L.S. Irrigation Systems & Equipment, Oundle Road,
Lutton, Peterborough PE8 5ND
Tel/Fax: 01832 272450

WARDLE ASSOCIATES

INDEPENDENT IRRIGATION CONSULTANTS
Objective, practical and non-partisan advice

Feasibility Studies, Performance Specs.
Design and Project Management

Giles Wardle BSc. MSc. MIAgrE.
Unit 6, Lichfield Auction Centre
Fradley Park, Lichfield WS13 8NF
Tel & Fax: 01543 411 771

MIDLAND IRRIGATION

AN INDEPENDENT IRRIGATION COMPANY

2 Fairdene Way, Great Barr,
Birmingham B43 5JS

Tel: 0121 358 1246

Fax: 0121 357 6789

DESIGN • SUPPLY
INSTALLATION • SERVICE

Full member of BTLIA

NORTH STAFFS IRRIGATION

DESIGN AND INSTALLATION
BY AN INDEPENDENT,
FAMILY COMPANY

Tel: 01785 812706 or
Tel/Fax: 01782 395734

HIGH RELIABILITY DECODERS

Equivalent to Watermation, CIC, Wright
Rain, Primetime, Robydom and TORO

- ◆ No switches, more reliable
- ◆ 3 year warranty
- ◆ Multi-outputs available
- ◆ Low cost address programmer
- ◆ Competitively priced

TONICK WATERING

Tel: 01903 262393 Fax: 01903 694500

Associate Member of BTLIA

HAVE YOU FOUND THE TINY £50 NOTES YET?

Track them down and
win a REAL £50 note!
Get searching!

Irrigation Pumps

GRUNDFOS



- Borehole pumps for water supply
- Pressure boosting pumps for Irrigation
- Heating & Hot Water Service pumps for clubhouses

For details of distributors and installers
throughout the UK freephone Grundfos
on 0500 002621

Lake Construction/Liners

-FIRST-IN-LINE- Lining specialists

Ponds • Reservoirs • Lakes
Golf Water Features

Tel: 01794 390708

Fax: 01794 390183



GT GROUP LEAST COST WATERPROOFING OF LAKES AND RESERVOIRS

- using lining membranes and associated
geosynthetic materials.

◆ Comprehensive service available to
owners/architects/consultants and contractors.
GT GROUP, Nags Corner, Wiston Road,
Nayland, COLCHESTER CO6 4LT
For technical and sales enquiries
Tel: (01206) 262676
Fax: (01206) 262998

Lake Management

CRYSTAL CLEAR WSP

100% Biological Control of
Algae with additional benefits of
increased water clarity.

LAKE COLORANT WSP

Create a natural blue colour to
your lakes, water hazards, ponds
with the ease of WSP packets.



FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

Liquid Fertilisers

Spoon feed your turf
this summer for less
than £50 per
hectare.

- Bent Grass Special
28-8-18
- Zero Phosphate Special
25-0-25



FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

NUGRO OUTSTANDING RANGE OF AMENITY PRODUCTS

LIQUID BLOOD AND BONE
Plant growth supplement
CRN Range - unique controlled release
Nitrogen products.

- ★ PHERTILIZER - pH Control ★ STANDARD
LIQUID FERT RANGE ★ IRON PRODUCTS
RANGE ★ SULPHUR PRODUCTS RANGE
★ ORGANIC PRODUCT RANGE
★ TURF WETTERS

R&D Formulations, Kettlethorpe, Lincoln
Tel: 01522 704848 Fax: 01522 704748

Mower Spares

MOWER ACCESSORIES LTD

Manufacturers of high
quality lawnmower
blades and cylinders.
Suppliers of spares and
accessories.

65 Forncett Street
Sheffield S4

Tel: 0114 276 5825

Fax: 0114 276 5855

Peat

Superscreened Sphagnum Peat for Golf Course Construction and Maintenance

- * Conforms to BS4156
- * Weed and Pathogen Free
- * Provides quick and even establishment
- * Excellent water retention during dry periods
- * Reduced risk of dry patch
- * Consistent quality for easy handling and mixing
- * Quick and reliable deliveries nationwide

Finnfibre Horticulture Ltd
Gerrard Business Centre, Worthing Road,
East Preston, West Sussex BN16 1AW
Tel: 01903 859555 Fax: 01903 859666

pH Control



STRANCO

Water Quality Control

pH and chlorine control and dosing systems for
your irrigation water, for improved turf quality.
Nationwide installation and commissioning
service and advice. Contact Brian Sykes

STRANCO LTD.

17 Apex Park, Hailsham, East Sussex.
Tel 01323 441744 Fax 01323 441611

Greenturf Systems

for pH Control using
"PHAIRWAY" solution
Contact:

S.G.I. Sales

6 Stuart Road,
Market Harborough,
Leics LE16 9PQ
Tel: 01858 463153
Fax: 01858 410085

FREE SOIL AND WATER TESTING

Railway Sleepers

A FAIRWAY 1

RAILWAY SLEEPERS

For keen prices contact
Mr David Robinson
Tel/Fax 0161 456 7109
at 'STRIKE TOP TURF'

A1 CONSTRUCTION GRADE SLEEPERS

Any quantity, delivered anywhere

also

COCKLESHELL PATH MEDIA

Bulk loads, discounted prices

FINETURF PRODUCTS
01375 361606

RAILWAY SLEEPERS 8'6" x 10" x 5"

CROSSING TIMBERS 12" x 6" up to 16' long

Price quoted for number required

Tel (01233) 625121 or 620277

Faggs Fleet

Whitfield Road,
Ashford, Kent

Root Zone



PHOENIX SPORTSTURF
SERVICES

QUALITY ROOTZONES USGA Spec available

Tel: 01229 468001 Fax: 01229 468002

FEN TURF DRESSINGS LTD

Specialist Manufacturer and Supplier
(for over 20 years) of Rootzones and Top
Dressings - to all specifications including
USGA. Supplied nationwide.
Please phone for quotation.
Tel: (01858) 464346/433003
Fax: (01858) 434734

Sand/Silica Sand



BUCKLAND
INDUSTRIAL
MINERALS

Sand and Silica Company
COMPLETE RANGE OF
HORTICULTURAL SANDS

Contact Neil Young
Buckland Sand & Silica Co.
Borough Green, Sevenoaks, Kent
TN15 8RW
Tel: (01732) 780300



Sands
Root Zones
Top Dressing

Lime Free Dried and Washed Sands.
USGA, Golf, Sports Pitch Root Zones
Top grade Top Dressings
Nationwide availability from local sites
Hepworth Minerals and Chemicals Ltd
Brookside Hall
Sandbach
Cheshire, CW11 0TR
Sales orders:
Tel 01270 752 700 Fax 01270 752 701
General Enquiries:
Tel 01270 752 752 Fax 01270 752 753

Tell the industry of your
products and services,
through an advertisement in
greenkeeping's top magazine
GREENKEEPER INTERNATIONAL

GRUNDON

NOW SPREADING IN YOUR AREA

Top Dressing
Bunker Sand
Root Zone
Teas Dressing
All Aggregates
Path Gravels
Cockleshell

NEW HOTLINE NUMBER:
Contact Gordon
on 01367 244078

Drinkwater Sabay Ltd
(EBENEZER MEARS)
 KINGSLEY FINE WASHED SAND
 for Tees · Greens · Bunkers
 and drainage sands and shingles
 Wintersells Road, Byfleet, KT14 7AZ
01932 345616

Seats

Gloster
 FINE TEAK FURNITURE
 Seats, tables, chairs, benches, planters and litterbins made from plantation grown teak. Listed in the Good Wood Guide.
 Send for brochure
 D-Scan (UK) Ltd Concorde Road, Patchway, Bristol BS12 5TB
 Tel: 0117 931 5335 Fax: 0117 931 5334

Sports Netting

SPORTS NETTING

TILDENET
 THE BRAND NAME FOR QUALITY

- PERIMETER NETTING
- TARGET NETS
- ANTI BALL PLUGGING
- GRASS GERMINATION
- ANTI DAZZLE NETTING
- PADDED/NET BAY DIVIDERS
- CHIPPING NET
- PRACTICE NETS
- 'EPIC' TARGET GREEN
- BALLSTOP FENCING

TEL: 01179 669684

Tee Mats

CONK
 for all your equipment requirements

- Suppliers of The Dunlop Winter Tee & Practice Mat
- Golf Course Furniture
- Driving Range & Practice Ground Equipment
- Flooring & Pathways

Tel: 01704 571271
Fax: 01704 571272

TUFTURF
 ARTIFICIAL GRASS
 TEE MATS, CARRYMATS
 AND PUTTING SURFACES FROM
CARPETITION LTD
 14 Kaffir Road, Edgerton,
 Huddersfield HD2 2AN
 Tel: (01484) 428777 Fax: (01484) 423251

Top Dressings

STERILISED TOP DRESSINGS from £18 per ton

PHOENIX SPORTSURF
 Hampton Road, Barston, Solihull,
 West Midlands B92 0JL
 Tel: 01229 468001 Fax: 01229 468002

HADLEY

- ♦ ROOTZONES
- ♦ DIVOT MIXES
- ♦ TOP-DRESSINGS
- ♦ SCREENED SOILS
- ♦ DRAINAGE & SUB-BASE MATERIALS

Alan Hadley Limited, Fenton House,
 102 Grazeley Road, Three Mile Cross,
 Reading, Berkshire RG7 1BJ
 Tel: 0118 988 3266
 Fax: 0118 988 4538

Martins
of course

OUR SUCCESS IS GROWING

For ★ Oakmoor Bunker Sand
 ★ Par-Link Red Pathway Gravel
 ★ Top Dressing – loose and bagged
 ★ Fendress Top Dressing and HMC

Pro-Sport
 HMC Products

Rootzones
 ★ USGA
 ★ Golf
 ★ Sportspitch
 also ★ Sharpes Designer Range Grass Seeds

Martin Brothers UK
Tel: 01625 614121
Fax: 01625 618282

All Seasons Dressings

for CONSTRUCTION OF TEES, GREENS & BUNKERS

References available

119 London Road,
 Kingston, Surrey KT2 6NH
 Tel: 0181 546 3960

Tree Planting

EAMONN WALL & CO
 WOODLAND DESIGN & MANAGEMENT

- For everything to do with trees on golf courses, from planning to felling, expert advice.
- Large planting grants available.

OFFICES AT DOLLAR, DURHAM AND READING
 Tel: 01259 743212

Eastcote Nurseries (Solihull) Ltd

- ★ Tree Spade hire
- ★ Tree moving
- ★ Semi mature trees

Nationwide service
 Hampton Road, Barston, Solihull,
 West Midlands B92 0JL
 Tel: 01675 442033
 Fax: 01675 442324

Turf

Tip Top Turf.

Seed grown turf available in one sq yd or large 25 sq yd rolls with laying machines or service available.
 Tel: 01908 270701 • Fax: 01908 374889

jst

Jubilee Seeds & Turf
 QUALITY CULTIVATED TURF FOR ALL GOLF COURSE and OTHER APPLICATIONS:
 Greens, Tees, Surrounds, Bunkers, etc
 TEL/FAX 01797 320536
 Jubilee Villa, 3 Ness Road,
 Lydd, Kent TN29 9DP

Q Lawns

Growers of Quality Turf

- ★ Uniquely cultivated on fine dark soils
- ★ Next day deliveries
- ★ Quality assured company ISO 9002

British Field Products Limited
 Corkway Drive, Hockwold,
 Thetford, Norfolk IP26 4JR
 Office: 01842 828266 Fax: 01842 827911

INTURF

GROWERS AND SUPPLIERS OF HIGH QUALITY CULTIVATED TURF FOR ALL APPLICATIONS AND APPOINTED OFFICIAL TURF PRODUCERS TO WEMBLEY STADIUM

Please contact Head Office for more information:
THE INTURF GROUP
 Regent Street • Pocklington • York YO4 2QN
 Telephone 01759 304101 • Fax 01759 305229

For a finer class of grass...

The independent supplier with a wide product range of turf for all applications.

Grasslands Turf Farm
 Ashford Road, New Romney,
 Kent TN28 8TH. Tel: (01797) 367130 • Fax: (01797) 367929

SOVEREIGN TURF

Growers of consistent quality turf in either big or small rolls for landscapers, amenity users and golf courses

Tel: 01728 688 984
Fax: 01728 688 949

Fir Tree Farm, Blaxhall, Woodbridge,
 Suffolk IP12 2DX

Turf Dressings

BAILEY'S OF NORFOLK
 supply

PROFESSIONAL TURF DRESSINGS FOR THE PROFESSION

- ★ GOLF TURF DRESSINGS
- ★ SAND ★ SCREENED TOP SOIL

Deliveries nationwide
BAILEY'S OF NORFOLK
 Brick Kiln Road, Hovingham, Norwich,
 Norfolk NR10 5NL Tel: 01603 754607
 Mobile: 0850 353603

BL BOUGHTON LOAM LTD.

For
TURF DRESSINGS
ROOT ZONE MIXES
SCREENED TOP SOILS
BUNKER SANDS
HORTICULTURAL COMPOSTS

Telford Way, Kettering,
 Northants
 Tel: 01536 510515

FEN TURF DRESSINGS LTD

for Fendress Top Dressing

- Fendress Superfine
- Economy Dressing
- Rootzone Mixes
- Screened Fensoil • Screened Peat
- Screened Loam • Kiln Dried Sand
- Bunker Sands


 Tel: (01858) 464346/433003
 Fax: (01858) 434734

Rufford
 TOP-DRESS SUPPLIES

Britain's No. 1 for
 QUALITY • SERVICE •
 SHEER VALUE FOR MONEY

Fairway House, South Stage, Broadway,
 Salford Quays, Manchester M5 2UQ
 Tel: 0161 877 8550 Fax: 0161 877 8554

Tyres

FLOTATION TURF TYRES

- ★ Wide Flat Treads ★
- ★ Custom Made Wheels ★
- ★ New and Used available ★

ROSCO TYRE AND WHEEL LTD
 Graveyard Lane, Ormskirk, Lancs
 Tel: 01695 421100 Fax: 01695 424265

Vertidrain Hire

SEWARD TURF MAINTENANCE

Vertidrain 2.5 and 1.5 metre
 Gravel Banding over seeding
 Hollow Tining Fairway Grooming
 and Top Dressing

Phone York: 01904 765949
 Freephone: 0500 432120

ROSS OLIVER
 SPORTS GROUND CONSTRUCTION AND MAINTENANCE

- VERTI-DRAIN for Greens and Sports Grounds
- STONE PICKING • RYAN HOLLOW TYNER
- SAND SPREADERS • DIRECT DRILLS

Greystones, Trebudannon, Cornwall TR8 4LP
 Tel: (01841) 540222 Fax: (01637) 881057

PETER MANNINGTON



Specialist Verti-Drain Contractor for the South
 Experienced operator, competitive prices and reliable service

Phone Peter on 01580 200205
 or Mobile 0850 612061
 Sheepwash Farm, Church Street, Titchhurst,
 Wadhurst, East Sussex TN5 7DL

Richard Campey

VERTIDRAIN 1.5mtr and 2.5mtr Hire
Coremaster & Core Harvester.
Shattermaster. Charterhouse Vreedo &
Vertiseed Overseeders, Scarifiers and
Topdressers. Large selection of Tractors,
Mowers and Sports Turf Maintenance
Machinery for sale.

For further details contact:

RJ & J Campey
Marton, Macclesfield
Tel: 01260 224568
Fax: 01260 224791

PARKER HART CONTRACTING SPECIALISTS

VERTI-DRAINING • HOLLOW CORING
TOP DRESSING • SEEDING
SAND SLITTING • SAND BANDING
DRAINAGE

Qualified and experienced staff
Plus all your sports turf, amenity and
horticultural supplies

Contact Anne Wicks (Contracts
Manager) Tel: 0181 337 7791
Fax: 0181 330 7392

WORTH DRAINING

VERTIDRAINING and
HOLLOW CORING HIRE
with the RYAN G.A. 30

Contact Peter Bloodworth
WORTH DRAINING
Cornbecks Farm, Irnham, Grantham,
Lincolnshire. Tel/Fax: 01476 550266

Weed Control



complete weed control

**GETTING TO THE ROOT
OF THE PROBLEM!**

The UK's leading specialist spray contractor
with local service centres nationwide.

01608 644044

Wetting Agents

DRENCHER LIQUID

Do you want to...

- enhance water penetration?
- aid the fight against dry patch?
- stimulate soil microbes?

by using...

- a 100% organic product
- a non-scorching formula

FOR FURTHER INFORMATION
CONTACT US ON
0118 951 0033

Wood Chips

Landscape Supplies

For top quality
mulch and
screened
woodchip please
ring 01604 847416
or 0468 662473
and ask for
Roger Hart

Classified

Machinery For Sale

FOR SALE

ZETOR 5211 TRACTOR, 790 hrs ... £5,250
RANSOMES 180 TRIPLE,
petrol, floating heads ... £1200
VOTEX 9ft MOWER ... £950
RYAN GREENSAIRE 11 ... £975
GREENS ZEPHER 22* ped/mower ... £575
ISEKI 2140 TRACTOR, 1050 hrs ... £2,100
1.200 ROTARY MOWER ... £475

CORBY GOLF RANGE

Tel: 01536 403119 Fax 01536 443748

D&E TURF

Description Price £ + VAT
Toro 5300 180hrs Ex Dem 21000
Toro Workman Ex Dem 12000
Toro 3200D Ex Dem POA
Toro 216D 3WD Ex Dem 11000
Toro Hydroject Ex Dem 15000
Toro Fairway Aerator 12000
Sisis Hydraulic Veemows (3) 1750
1.5mtr Verti Drain 7950
Shelton Trencher & Conveyor 1500
Express Dual cylinder grinder 1500
Anglemaster blade grinder 1250
Danuser Post hole borer (new) 650
Olathe overseeder 600
Tel: 01388 608620 Fax: 01388 609552

G E Adamson Grass Machinery

Ryan Greensaire 24 hollow corer ... £3250
Ransomes Super 51 Certes £1150
Ransomes 180D diesel triple-fixed
or floating heads £2950
Ransomes TM80 slitter - new
7" blades or spoons £875
Sisis A04/S slitter c/w rear rollers ... £950
Sisis FTA/4 fine aerator - hollow tines . £875
Cushman topdresser (choice) £975
Tel/Fax: 01995 640180

Broke Hill Golf Club

TORO 4500 REELMASTER for sale
4WD, 3 years old, 3100 hours,
in good condition.
£11,000 ono.

Phone 01959 533225

JOHN SHAW (MACHINERY) LTD

NEW Jacobsen LF3810 4WD
10 bladed £23,000
Toro GM300 Greensmower. Choice
of two £3,750
Toro RM216-D 2WD 8 blade ... £4,500
Toro RM335-D 2WD 5 blade ... £6,500
Toro Sand Pro 3WD £1,250
Kubota ST30 Roll Bar and Turf
Tyres £9,770
1.2m Verti-Drain (ex-demo) £9,700
Ransomes Hydraulic 5 £2,500
Ransomes TG340 Gangs £4,850
Beaver Gang Verti-Cut Units (3) £1,000
Iseki SG13 Diesel Rider c/w
Collector £1,950
Kubota B7100 HST c/w Turf
Tyres £3,500
International 856XL 2WD Ag. tyres
and Q cab £5,250
Tel: 01825 872070

FOR SALE

Toro Hydroject

Excellent condition,
Dealer serviced: £8,000

Tel: 01623 490365 or
01159 205640

sisis DIRECT

Various SISIS S/H aerators, scarifiers, top-dressers,
sweepers, seeders, etc. fully refurbished by the manufacturer.
Stock constantly changing - phone for details and prices.

Also available extensive range of hire equipment including
stone removers, trenchers

Phone 01625 503030



A payload of up
to 3,600 lbs (1,600
kgs), this uniquely
adjustable lift is a
firm favourite with
Dealers, Local
Authorities, and
Golf courses as
well as Health &
Safety Inspectors!

GKPR 08/96

LIFTING SOLUTIONS HEALTH AND SAFETY

WE ARE a leading
supplier of workbenches and
lifting equipment - LARGE and
SMALL - to Golf Courses and
Local Authorities

Ring Tony Watson on

01480 455580

R+R UK Ltd, Blackstone Road, Huntingdon, Cambs PE18 6EF

A.R.C. AGRICULTURAL ENGINEERS

Tel: 01844 278950
Fax: 01844 279158

Huxley 358 Ride-On Greens Mower, as
new £5,950
Vertidrain 2m, very tidy machine .£6,250
Ransomes 213D & 350D full
range POA
Ransomes 180, Diesel & Petrol POA
Ransomes Hydraulic 3 & 5s
..... from £1,250
Ransomes T26 4WD 80" R/D 400hrs
..... £6,500
Ransomes 5/7 Gangs with/without
Tractors POA
Jacobsen Tri-King diesel 3WD, 600hrs
..... £6,250
Jacobsen Turfcut T422D, choice of 4
..... POA
Jacobsen Gang Mowers, 3s, 5s and 7s
..... POA
John Deere 1200 Bunkerake £2,250
John Deere F935, Choice POA
Kubota L2850, 1500hrs, cab & Loda
..... POA
Large selection of Sisis equipment .POA
**Large selection of tractors
and other good secondhand machinery
always available**

FOR SALE

1 Juno 36" Cylinder and
bottom blade grinder
£1,950 + VAT

Shukers Ltd, Battlefield Road
Shewsbury SY1 4AE
Tel: 01743 446591

GOLF COURSE EQUIPMENT FOR SALE

Greensroller TM brand turf iron with trailer
Demonstrator model £3,000
Toro 216 Triplex Mower complete with
wylie roller and grass boxes £1,700
Sisis Litamina 4ft PTO Sweeper and
Collector, as new £1,500
RL1502 Versatile, as new comes with
scarifying and flair blades £4,000
All equipment in good working order
with complete service history.
Loch Lomond Golf Club
Tel: 01389 850627 Fax: 01389 850628

Balmer's Garden Machinery Centre

New and Used

Compact Tractors and Turf
Care Machinery For Sale
Balmer's, Burnley, Lancs
01282 453900/454848 After 6pm: 616846
Fax: 01282 459767

Soil Conditioners

STEWARTS KELPIE Range of

NATURAL ORGANIC
SEAWEED SOIL
CONDITIONERS

AVAILABLE FROM STEWARTS

TEL: 0131 663 6617

FAX: 0131 663 0651

AND FROM GEM PROFESSIONAL

TEL: 01254 356611

FAX: 01245 236775

Slaley Hall International Hotel and Golf Resort

Due to construction of 2nd championship
standard 18 hole course, PGA European Tour
venue requires:

QUALIFIED GREENKEEPERS

Applicants must be fully experienced
in all aspects of greenkeeping and with a
sound knowledge of modern course maintenance
equipment and irrigation. Course construction
experience an advantage.

Apply in writing with C.V. to:

The Head Greenkeeper
Slaley Hall International Hotel, Golf Resort and Spa
Hexham
Northumberland
NE47 0BY

Seacroft Golf Club

(founded 1895)
requires a

HEAD GREENKEEPER

to maintain its traditional championship links course.

The successful applicant must have:

recognised qualifications,
leadership skills,

ability to prepare and control a programme of work,
ability to maintain health & safety and COSHH requirements.

Previous experience on a links course is desirable.

Applications, together with full C.V. should be addresses to:

The Captain
Seacroft Golf Club
Drummond Road
Skegness
Lincolnshire
PE25 3AU



Ransomes Professional Grass Machinery

Ernest Doe & Sons Ltd, who currently hold the Ransomes
Professional Grass Machinery franchise for Essex, Herts, Cambs and
Bedfordshire, will be taking on the additional Ransomes territory of
South West London, East Sussex, Kent and parts of West Sussex and
Surrey from 1 July 1997.

The territory will be covered by our existing branch at Sutton at Hone,
near Dartford, Kent and our recently acquired branch at Esher, Surrey.

We are therefore seeking to recruit specialist staff dedicated to the
sales, service and parts distribution of professional ground care
equipment as follows:

SALES REPRESENTATIVES
PARTS DEPARTMENT SUPERVISORS
VAN PARTS SALES PERSONNEL
SERVICE DEPARTMENT SUPERVISORS
SERVICE TECHNICIANS
DEMONSTRATORS

Applicants should have an in-depth knowledge of professional grass
machinery and enjoy working in an expanding long established
successful company.

Apply with CV to:

Mr Andy Turbin, Ernest Doe & Sons Limited,
Ulting, Maldon, Essex CM9 6QH

Golf Inns Ltd

Belmont Lodge & Golf Course

Applications are invited for the position of

FIRST ASSISTANT GREENKEEPER

Belmont Lodge & Golf Course with its 18 Hole
Parkland Course, 30 Bedroomed Lodge and other leisure
facilities is renowned in the West Midlands
for its hospitality and friendliness.

The position, reporting directly to the
Head Greenkeeper, will ideally suit an experienced
Greenkeeper, with PA 1, 2 and 6 and other recognised
qualifications, now wishing to progress their career
up the greenkeeping ladder.

Applications in writing with full CV should be addressed to:

Alan Carver – Executive Manager
Belmont Lodge & Golf Course
Belmont, Hereford HR2 9SA

(Golf Inns Ltd are working towards achieving equal opportunity status)



Chalfont Park Golf Club

We currently have vacancies for

ASSISTANT GREENKEEPERS

Applicants must have some greenkeeping experience, be willing to learn and work within a team and must also have a clean driving licence.

No living accommodation.

Please apply in writing including C.V. to:
**Perry Harvey, Head Greenkeeper,
Chalfont Park Golf Club,
Threehouseholds, Chalfont St Giles,
Bucks HP8 4LW**

Weston-super-Mare Golf Club

We currently have a vacancy for a

FIRST ASSISTANT

required for busy 18 hole golf course.

Experience of Links courses preferable, but not essential.

Please send your C.V. to:

**The Secretary
Weston-super-Mare Golf Club
Uphill Road North
Weston-super-Mare
North Somerset
BS23 4NQ**

TAX FREE INCOME

Do you have hands-on training in
TORO irrigation or
TORO commercial machinery and
wish to develop in sales?

We have two sales jobs open now.

Middle East Location with Tax Free income, furnished
accommodation, air tickets etc.

Fax application to Dubai, UAE on 009714 330 141

Reigate Heath Golf Club



require an

ASSISTANT GREENKEEPER

The Club, which was founded in 1895, is a
challenging nine hole Surrey heathland course.

The successful applicant will have:

- Experience of all aspects of greenkeeping.
- Qualified to Phase 2, and PA1 and PA2 Spraying Certificates.
- Good knowledge of machinery and irrigation systems.
- Hold a full driving licence.

Accommodation is provided.

Apply in writing with C.V. to:

The Secretary, Reigate Heath Golf Club, REIGATE, Surrey RH2 8QR

Forest Hill Golf Club

applications are invited for the position of

DEPUTY HEAD GREENKEEPER

Applicants must have at least 6 years experience and possess
the following qualifications:

NVQ 1 and 2

NVQ 3 and 4 a definite advantage

PA1 and PA2

Applications in writing with full C.V. to:

**Mr P McCarron, Forest Hill Golf Club,
Markfield Lane, Batcheston, Leics CE9 9FJ**

Burnham-on-Crouch Golf Club

This 18 hole parkland club require a

HEAD GREENKEEPER

Applicant must be experienced in all aspects of greenkeeping
including budgetary control. Leadership skills and the ability to motivate
staff are essential.

Accommodation not available and salary commensurate
with experience.

Please apply in writing with CV to:

**Secretary/Manager, Burnham-on-Crouch Golf Club,
Ferry Road, Creeksea, Burnham-on-Crouch, Essex CM0 8PQ**

THE PARK GOLF COURSE AVINGTON

QUALIFIED GREENKEEPER

Enthusiastic and self motivated greenkeeper required for
quality nine hole parkland course.

The applicant must have a good practical approach to
modern greenkeeping and machinery.

Applications, C.V. and references in writing to:

**M & V Stent
The Park Golf Course
Avington
Winchester
Hants SO21 1DA**

Job Shop

Reliable, hard working 34 year
old seeking First Assistant/
Deputy Head position in UK or
overseas. Qualifications
include HND in Golf Course
Management, NVQ Level 2
Greenkeeping and PA1, PA2
and PA6 Spraying Certificates.
Experience in greenkeeping,
course construction, drainage
and irrigation gained in UK,
Germany and Portugal.

Box No JS 62/97, BIGGA, Aldwark
Manor, Aldwark, Ane, York YO6 2NF

Reliable, hardworking, mature
Greenkeeper with NVQ II in
Greenkeeping also PA1, PA2A,
PA6A Spraying Certificates.
Currently unemployed, seeks
position as Assistant
Greenkeeper to gain further
experience in UK or abroad.
Able to work on own initiative
as well as part of a team.
Previous experience includes
ten months as Groundsman
and ten months as
Greenkeeper.

Box No JS 63/97, BIGGA, Aldwark
Manor, Aldwark, Ane, York YO6 2NF



Arne Van Amerongen describes the construction work on a golf course he worked on in Germany.

Only top quality will survive

As we all know there are many ways of constructing a golf green some better than others! I have recent experience of construction in Germany will describe a project in Germany, so you can get a feel for how they went about it.

First the architect indicates the location of the green and its middle point, as well as the shape of the green and its contours, including height levels. The architect makes drawings of the surroundings, but these are only rough – the details of the surroundings are left up to the construction manager and machine operator. With these drawings and good personal communication with the architect, the construction manager and his team can start constructing the green.

The ideas conceived in the drawing room by the architect take shape when the caterpillar begins making the form and contours of the green. On the staff level this will give a finishing height of +20/-20 cm to the subgrade.

The machine operator checks the size and height levels of the green. He only works with four reference points taken from the centre of the green, i.e. 0°, 90°, 180°, and 270°.

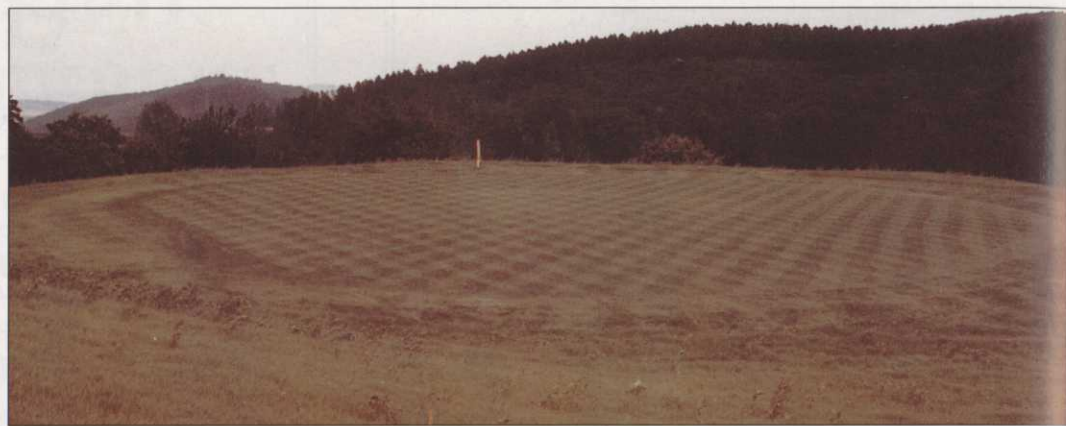
When the final height levels and contours are reached, the machine operator starts rolling with the caterpillar and motorised vibrating six tonne roller to compact the subgrade.

The construction manager sets out eight points from the middle of the green. The points are on the edge of the green and are 45° apart. They are used to measure the length from the middle of the green to each point.

A good architect will visit the golf course at least twice a week for inspections, if necessary to make alterations and have a meeting with the staff and investors.

Then the machine operator can work towards the finishing height and contours of the green. Each operator has a drawing of the green size, contours and height levels. The soil is taken off, and goes into the surrounds. When the green has its final shape, the same machine will start working on the green drainage. By turning the bucket on an angle of 45°, it will make a trench for the drains with sloping sides.

A disadvantage of the sloping instead of steep sides is, that you need more back fill materials for



the drains. An advantage of the slope is, that the side of the trench is more stable, so it will not collapse and will find less disruption from water movement. The drains are four metres apart. The drain in the middle of the green is 100 mm. The lateral drains are 60 mm in diameter, and both are perforated. Only the drain that goes into the outlet is not perforated.

There is also a drain around the green. This drain is needed because of the slope on the left handside of the green, so the water movement will not disturb or damage the green's surface.

On top of the subgrade they build the intermediate layer, consisting of the same material they used for filling up the drain. The uncompacted height of this layer is 170mm, compacted it is 150mm. This material will be brought by lorries with 10 m³ each. This means that they need 10 lorries, giving ca. 100 m³ material on 600 m² green surface. The digger will spread the material on top of the subgrade. Two men make sure that the uncompacted depth of the intermediate layer is no more or less than 170 mm. when this is finished five men can start levelling the uneven pans. After this the surface is rolled three times and raked in three different directions

At this stage the irrigation company should have installed the irrigation pipes around the green with connection points for the sprinklers ready, or should be just in finishing stage. Unfortunately this is not always the case. In general, there are still surfaces being seeded and the irrigation system is still not working, which is a

nightmare in summer.

At this stage they have pure sand, so they are bringing organic material, which comes from the moor land and is dried in plastic bags of 25 kg, into the surface. They start rotavating the green.

The rotavator goes in two different directions, also taking a little bit of the surrounds, so they get a nice finishing touch. After this the green is rolled and raked in three different directions.

They do not use a pre-seeder. This is left up to the greenkeeper, and in my opinion there is no need for it, because I have seen grass species on sand greens, like brown top bent and fescues that still look healthy after six weeks and longer. There is no inefficiency of nutrients. After the second cut the greenkeeper will apply fertiliser on the green. I have seen bent and fescue grass species on sand based greens in winter time on a height of 15 mm with no feed at all. They looked excellent. It is a different matter if the green is under playing conditions and stress.

Then they start seeding the green with a motorised hand-seeder, called Semedner, in three different directions. Usually they use a traditional 80-20 grass seed mixture: 40% Festuca Rubra Litoralis (Barcrown) 20% Festuca Rubra Commutata (Center) 20% Festuca Rubra Commutata (Lifalla) 10% Agrostis Tenuis (Bardot) 10% Agrostis Tenuis (Egmont)

After the third seeding, the final light raking and rolling will be done

After 10-12 days the grass seed starts to germinate. In this case they had to irrigate the green

three to four times a day, for three to five minutes, just to moisturise the surface because of the hot weather conditions. Six to seven weeks later they do the first cut and collect the clippings.

The company is responsible for two cuts and then the greenkeeper will take over.

The greenkeeper starts maintaining the greens. The job of the construction company is done, construction wise. The cost of each green amounts to £2,000.

In my opinion, it is still important that investors hire qualified and experienced staff. Unfortunately we still see golf courses constructed and then there is almost no money left for machinery or staff to maintain the golf course. My advice is: Do not build a golf course if you cannot maintain it properly afterwards. People will ask why are you saying this. I believe that poor quality will only survive in the short term. Raising up the standards and quality will win in the long term.

My job in this project was to oversee the construction. I was hired as an independent consultant by this golf club. I was not able to use the specifications I wanted as the specification are provided by a government organisation. Personally I feel, these German set guidelines need to be changed more towards USGA specification. The sooner the better.

■ Arne van Amerongen is now based at Hotel Die Wutzschliefe where he is involved in the construction of a new 18 hole course. He would be happy to provide more detailed specifications the of the course described in the article if required.