

# Taking the rough with the

Eavesdrop on conversation in any clubhouse and the subject matter, especially after a round has been played, is likely to focus on the forever controversial question of green speed. Those whose putts have found the target consistently will shout the loud hurrah; "Our greenkeeper has the equation just about right," they'll say, while the also-rans will vehemently debate-with anyone prepared to listen-the misery of life in Tortoiseville. Next time out, with the tables turned by golf's perverse nature, those same glory boys will be baying for blood. It's a topic which every greenkeeper believes is way past its sell-by date.

It's true, green speed as locker room fodder seems done to death, yet thereis sound argument for turning the tables 180°, counter-attacking with the contention that it is the perception of green speed which is beating

the golfer at his own game.

How come? Ask a few simple questions, like how are they measuring this so-called speed, how do they judge slow from medium...and what exactly is fast? Does the average golfer really know? Touch and feel are the senses by which a player purports to measure your greens, yet the simple, clinical fact is that touch and feel cannot be measured, it's different for everyone, no two ever are alike.

By the same standards, and this is a point green committee men especially might take on board, no two golf courses-or two greens, for that mat-ter-are ever alike. The variables are too numerous to list but include variant grass species, changeable climate conditions (dew-soaked morning greens, quickened naturally by Mother Nature as the day progresses), contours, green sizes, shelter from trees versus raw exposure to wind, outbreaks of disease, the list is endless.

It is the so-called elite golfers (handicap zero to five, shall we say), who are the most vocal. For them especially the game has changed; for their demands have wiped away the old philosophy of 'playing the ball where it lies to one of insistence that greens be set up so that they may lob the ball into a perfect, playable position every time. Yet golf is meant to be a game of strategy and position-ing-above the hole with downhill slope should be three-putt country, for the point of positioning has been missed. As golf writer Jim Achenbach opined most recently, "anyone who ends up in the wrong position on the green should be putter-whipped.

What can be measured, in terms of the number of days before turf stress sets in, is the direct correlation between giving golfers what they interpret as fast (shaven) greens and compromising the continuing good health of your sward. Your members will not thank you for failing, while providing shaven surfaces on a continuous basis will very likely give you an odds-on chance to line up at the employment office.

So, how will you keep the putting pundits satisfied? The answer, because golfers confuse fast greens with consistent roll, is to be found in one simple word - SMOOTH!

Because the cutting of greens is per-

haps the most routine of all jobs, it is easy for the operator to slip into auto-pilot, overlooking the simple things that produce perfect results. The objective must be to achieve a perfect, smooth, stress free cut, clean straight lines, every time, without scalping high spots or leaving hollows with uncut, lush patches. This is easy enough on greens which are relatively flat or gently undulating, but where severe contouring is found, particularly on the cusp of a two-tier green, the problem calls for extra care.

Extra care means checking your mower regularly, ensuring blades are set accurately to the desired height and that they are very, very sharp! With rare exceptions, there is little need for the height of cut to drop below three sixteenths of an inch, which is stressful enough, considering the rigours of daily play, indeed quarter of an inch is often acceptable for routine play if all other smoothness regimes are carried through. Such regimes must permit the ball to be stroked rather than clouted, thus rolling more easily across surfaces where friction has been reduced to a minimum.

These include reducing thatch build-up; verticutting as often as good sense dictates with the blades set 'softly' so the unit just nicks the sward, lightly dressing the turf, regularly and carefully, ensuring all the topdressing is drag matted or brushed into the surface, followed a few days later with a pass using turf groomers-lightly again. All of these will contribute toward the target of

uniformity. It must be stressed, however, as no two greens are alike, greens at variance with each other will not necessarily need an equal amount of mechanical grooming.

In this sometimes ridiculous race for pace, the green-keeper may take comfort in knowing that turf machinery manufacturers are clearly supportive, indeed far more concerned for continuous turf health than are your members for speedy greens.

Knowing that many greenkeepers prefer walking, the array of walkbehind greens mowers-Super Certes and the 11-blade reel Ransomes Greens Super are confirmed favourites—is sufficient to please the most fastidious, offering a choice of tournament bedknives, brushes, vertical cutters, two-inch guide wheels, roller scrapers, indeed nothing is too much trouble in this customer-led situation.

What is also clear is that many more turf managers are ringing the changes, using ride-on's during weekdays and walk-behind mowers at weekends. Of course, mowing with a ride-on is altogether different, with greenkeeper and machine effectively moulded into a single unit. A riding triplex is faster than a walker, so operators should be especially alert for any grease or oil spillage, be prepared to stop immediately, shut off the machine and to clear up before too much damage has been caused. For this reason alone, though clearly there are many other benefits, both mechanical and environmental, (for the parts it doesn't have, or need, for instance), the battery powered electric triplex mower

is winning converts galore. Finally, a word about Stimp-meters. Master Greenkeeper Terry Buchen is a believer in the tool's value for measuring consistency and 'truth'. Roll three identical balls, each bearing the same brand and compression ratio, from the same angle, he says, and if the surface is free from deforming characteristics those balls will gently touch one another-in both directions. Buchen has expressed surprise at the pride some UK greenkeepers exhibit in having greens which, by their inconsistency, test 'local knowledge'.

Then there's the lovely true story concerning Shaig Logan, for many years before his demise the Head Greenkeeper at Muirfield. Shaig was presented with a Stimpmeter prior to The Open being staged at his course. "What's this for?", he asked. It's for measuring the speed of the greens, he was told. "Why would I want to do that?" So that you can make each green roll at the same speed. "Why would I want to do that?" So the 1st green would not be slower than the 9th, that the 10th be equal to the 17th and 18th; not slower, not faster. "But, laddie," he said, "that's why we have practice



The extra care taken when greens are cut by pedestrian mower is vividly portrayed here at the world-famous Pebble Beach course.

# How do you measure up?



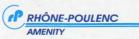


Golf Environment Competition 1998

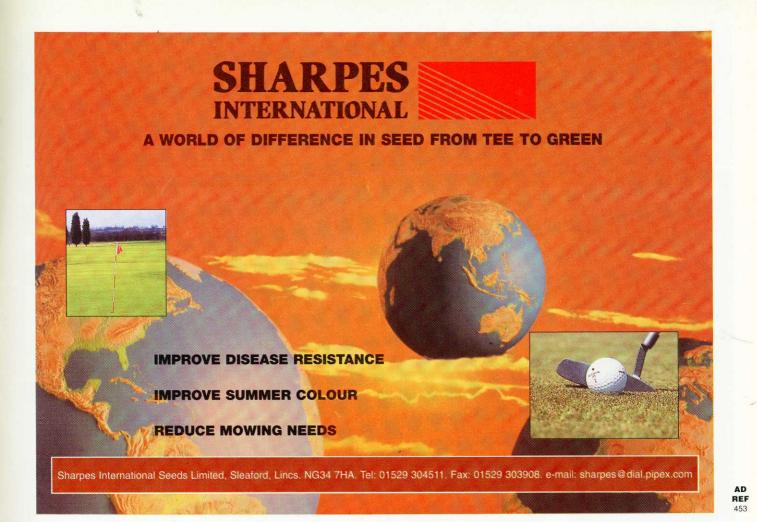
All entry forms must be returned to BIGGA by Friday, May 29

in association with









# dive dive dive permeate

turfgrass wetting agent

penetrates deeper unique dynamic infiltration technology

permeate penetrates through thatch and water repellent soil layers to infiltrate the root zone optimising water penetration to critical depths.

permeate can be used as a single lasting application for long lasting results or as a managed programme throughout the year.

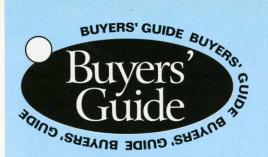
permeate is fully compatible with Alleviate tenside hydrophobe technology for the treatment of dry patch and water repellent soils.

Developed and manufactured by:
Service Chemicals plc, 17 Lanchester Way, Royal Oak
Industrial Estate, Daventry, Northants, NN11 5PH.
Tel: 01327 704444; Fax: 01327 871154
email: servicechm@aol.com

b pages; http://members.aol.com/servchemuk

unsurpassed technology SERVICE

REF



The most cost effective way of reaching readers of Greenkeeper International. Simply ring Jenny Panton or James McEvoy on 01347 838581 and ask about an alphabetical category listing; the cost starts from as little as £29.50 per month.

# Be seen

Here's your chance to win an exclusive BIGGA 100% waterproof jacket designed by Walrus worth over £55!



Simply search through all the products and services in our guide and locate the 3 BIGGA logos hidden within the pages. Write down the names of the 3 advertisements where the BIGGA logo is hidden, and send your entries on a postcard to;

Locate the Logos, Greenkeeper International. Aldwark Manor, Aldwark, Alne, York YO61 1UF

Entries to reach us no later than Friday, May 15, 1998. The first correct entry drawn will receive the Walrus jacket. Don't forget to tell us the size of jacket you will require!

The judges decision is final. No correspondence will be entered into. This competition is not open to BIGGA staff or nonmembers.

Congratulations to Albert Arnott of Dunnikier GC, who spotted our three logos last month. Your exclusive Walrus jacket is on the way!

# Aeration

# KEITH DRIVER

HYDROJECT AERATION SERVICE



A full range of expertly operated turfcare se

Tel: 01273 564015 Mobile: 0958 532008 8 Morecambe Rd, Brighton, Sussex BN1 8TL

# Agronomy

## GRASS SCIENCE

GOLF COURSE CONSULTANTS

- COURSE MANAGEMENT
- IN-DEPTH AGRONOMY ADVICE
- MANAGEMENT OF CONSTRUCTION AND RE-CONSTRUCTION PROJECTS
- ♦ FULL ANALYSIS SERVICE

For more details and a brochure contact:

Grass Science Tel: 01204 366036 Fax: 01204 385276

GRASS SCIENCE Garside Street Bolton BL1 4AE

# Gordon Jaaback

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 Tonbridge TN9 1NH

Tel/Fax 01732 350351

# **B** Jamieson Golf Advisors Ltd

Bruce Jamieson formerly 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

# ON COURSE **GOLF COURSE CONSULANTS**

Complete agronomy service from problem solving to planned management and constuction. With over 25 years practical experience Ken Barber will get you back ON COURSE.

For further information Tel/fax +44 (0) 1825 732031

### **Amenity Spraying**

### Talk to the professionals first

Vertidraining ◆ Aeriation ◆ Seeding

- **♦** Fertilising **♦** Top dressing
- ◆ Contact Spraying ◆ All leading brands of seeds, fertilisers & chemicals



Amenity Land Services Ltd Long Lane Mair Telford TF6 6HA

Contact: Ivan Toon, Jonathon Carr, Duncan Burton Tel: (01952) 641949 Fax: (01952) 247369

# weed free®

PROFESSIONAL PESTICIDE APPLICATION AND ASSOCIATED TURF SERVICES

DRIFT FREE CONTRACT SPRAYING UTILISING OUR PURPOSE BUILT MACHINE THE SPRAYING MANTIS

**NEW FOR '98 - F.E.P.A TRAINING NEW FOR '98 - FREE CALL NUMBER** 

0800 068 08 78

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

Unit 14, Roundshead Drive, Warfield Berkshire RG42 3RZ

WEED FREE and Daisy Logo are Registered Trade Marks

# **Animal Repellents**

ARE YOUR **GREEN EATERS COSTING YOU** MONEY?





For futher Information contact us on

# 0118 951 0033

# **AIRWAYS** DISCREET CONTROL CONSULTANCY

ENVIRONMENTAL SERVICE & TRAINING

Rabbits & Moles. Our problem!

SPRINGER HOUSE . WINDMILL LANE TEL: 01285 770919 FAX: 01285 770910

### **Architects**

Howard Swan MSc Nigel Henbury B.A.Dip.Arch Golf Course Architects

Swan Golf Designs Limited Telfords Barn, Willingate, Ongar, Essex CM5 OOF, England Tel: 01277 896229 Fax: 01277 896300 E-Mail: SwanGolfDesigns@btinternet.com

A member of the BRITISH INSTITUTE OF GOLF ARCHITECTS

### **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 884036 Fax: 01483 884037

### **Artificial Grass**



Gabbotts Farm Barn, Bury Lane, Withnell, Chorley, Lancashire PR6 8SW

Tel: 01254 831666 Fax: 01254 831066

- VERDE TEE FRAME
- VERDE WINTER TEE
- VERDE DRIVING MATS
- ARTIFICIAL GRASSES
- DRIVING BAYS AND NETS

TWENTY YEARS EXPERIENCE SUPPLYING THE BEST SURFACES AT COMPETITIVE PRICES.

Please call for samples & information

# **Bio Stimulants**

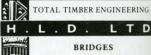
# STIMulate

Water Soluble Biostimulant with live bacteria Humate & Humic Acids

· High % Natural Sugars



# **Bridges**



Pedestrian and Vehicular REVETMENTS SHEET PILING SHELTERS

HICKSON LEISURE DEVELOPMENTS THE SHIPYARD, GAINSBOROUGH. LINCOLNSHIRE DN21 1NG ephone (01427) 611800 fax (01427) 61286

# **Buildings**



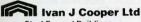
- Machinery & equipment storage
   Fertilizer, weedkiller & seed storage Workshops ● Tool sheds
  - Trolley stores
     Temporary fencing & secure enclosures

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

# # 0121 553 5723 (24hrs) gs Ltd, 204 Oldbury Road, West Bron idlands 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



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 send for a FREE SAMPLE 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**

# 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

# Cockleshells

## BAILEY'S OF NORFOLK

GOLF TURF DRESSINGS # SAND # SCREENED TOP SOIL & FEN SOIL

**Deliveries Nationwide** BAILEY'S OF NORFOLK

Tel: 01603 754607

# Construction

# RD JONES & SONS

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

# J. & E. ELY

**GOLF COURSE** CONSTRUCTION

Reading, Berks Tel/Fax 0118 972 2257





# (35) 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 83



# CONTACT THE **PROFESSIONALS**

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



# C.J. Collins Construction

**Colf Course Contractors** 



Burgess Hill, West Sussex

Tel: 01444 242993

Fax: 01444 247318



### **GOLF COURSE** CONSTRUCTION

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

# ${f TEE} to {f GREEN}$ CONSTRUCTION

The very best in the remodelling of existing golf courses. Over 18 years experience. Landscaping specialist

22 BURN CLOSE, VERWOOD, DORSET BH31 6DN

PHONE: 01202 814045 MOBILE: 0410 483065



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

or Contact Ted Awcock on 0410 450454 Update Your Existing Course By: TEE EXTENSIONS GREEN RE-MODELLING **BUNKER ALTERATIONS** DRAINAGE also NEW COURSE CONSTRUCTION

A New Company...For Your Golf Course

# enovations

Offering design and huild remodels

- Experienced Designers
- Quality Construction
- Fixed Price

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



in Golf

Course

Specialists

# Construction JOHN GREASLEY LIMITED

Ashfield House" • 1154 Melton Road Syston •Leicester • LE7 2HB



Tel: 0116 269 6766 Mobile: 0836 553899 Fax: 0116 269 6866

# **Course Equipment**

Standard Golf are the largest supplier of quality cours accessories worldwide

Place an order for £100 in May or June d receive a £100 travel voucher in retu No catches! Please call for details

- Tee Data Signs
- Ball wash
- @ Tee Markers

- Practice g accessorie



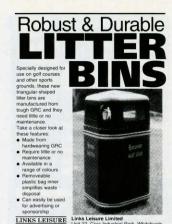
Tel: 01189 736303 Fax: 01189 736677



IRELAND'S LEADING GOLF **COURSE EQUIPMENT &** ACCESSORY MANUFACTURER

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







**UK & European distributors of** quality golf course equipment

Phone or fax: 01925 75 7005 24hrs

Have you found all the logos yet?



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:



Tel: 01788 568818 Fax: 01788 537485

# **Directional Drilling**

# CHILTERN THRUST BORE LTD SPECIALISTS IN UNDERGROUND CARLE DUCTING AND PIPE INSTALLATION

- STEEL PIPE DRIVING
  MPACT MOLING
  DIRECTIONAL DRILLING
  SYSTEMS
  AUGER BORING
  DIRECTIONS
  AUGER BORING

  - PIPE (BURSTING)
- 84 LINCROFT, OAKLEY BEDFORD MK43 7SS TEL/FAX 01234 825948 MOBILE 0585 463439

### **Drainage**



# Duncan Ross Drainage Land Limited SPORTSTURF DRAINAGE SPECIALISTS

# Latest Sportsturf Trenching Machine

- \* Verti Draining \* Sand Slitting \* Gravel Banding \* Top Dressing
- \* Overseeding

Tel/Fax: 01257 255321 Shevington, Wigan, Lancs

# Turfdry \_\_\_\_

Golf Course Drainage Specialists

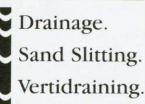
For fast and friendly UK service call:

> Melvyn Taylor on 01283 551417 or 0836 259133



Drainage and Sandslitting Verti-Draining 2.5 & 1.5 Metre Rvan GA30 and Amazone sand Spreader Hire

Tee, Green and Bunker Construction/Re-Modelling Tel: 01529 455757



Established 42 years

ONGAR, ESSEX 01277 890274



### **SLEATH & SON** SPORTSTURF DRAINAGE

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

Specialists in land drainage, golf course construction and maintenance

M J ABBOTT LIMITED

Tel: 01722 716361 • Fax: 01722 716828

# J. PUGH-LEWIS LTD

### SPORTSTURF CONTRACTORS

Specialists in the design, construction, drainage and renovation of all sportsturf.

Chesterfield, Derbyshire.

Tel: 01773 872362 Fax: 01773 874763



\* Land drainage \* Overseeding \* All types of construction

(0118) 979 5454

Winnersh, Reading, Berkshire

Have you found all the logos yet?

# **Driving Range Equipment**

# RANGE SERVANT

# **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**

### If its to measure

- ·Soil/Water pH
- ·Wind Speed
- ·Soil/Water temperature
- •Air Temperature & Pressure





**EVERY NEED** For futher Information

·Rain Fall

0118 951 0033

### **Fertilisers**



EXECUTE OF THE PROPERTY OF THE

Tel: 01233 756241 Fax: 01233 756419



The Andersons Uniformly the best The highest Quality Nitrogen source in the industry with the most uniform particle size available



For futher Information contact us on

0118 951 0033

# Fertiliser Spreaders



# **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

The Oxstalls, Evesham, Worcestershire, WR11 4TS. England. Tel: 01386 41212 Fax: 01386 423769 E-mail: http://www.evenproducts.com

# **Golf Signs**

- Finished in a range of





# **Golf Course Supplies**



M.C. & M.A. STEWART (HAULAGE) LTD

A family business established 1969 BS EN ISO 9002: 1992 Registered Company

GRAVEL, SAND, SOIL, ROOT ZONE, TOP DRESSING, WOOD BARK, TRACK MATERIAL

The independent supplier with the wide product range For professional service nationwide contact Racha

Tel: 01257 792536/792692 Mobile: 0973 426890

Woodlands, 31 Preston Road, Coppull, Chorley, Lancashire PR7 5HS

### **Grass Seed**

# **BOUGHTON** LOAM LTD

Telford Way, Kettering, **Northants** 

Tel: 01536 510515 for

**Turf Dressing Root Zone Mixes Screened Top Soils Bunker Sands Horticultural Composts** 

"Pre-germinated grass seed" "Liquid Sod" Spray-on grass Herbicides **Grass Seed** Fertilisers



Tel: 01895 834411

# Irrigation

# **ADVERTISING**

Telling the

world there's

nothing to

compare with

TIS for taking

care of your

pitch or green

Facus or Quality

Turf Irrigation Services (Sandbach) Limited.

# T. & G. TURF IRRIGATION SERVICES

13 Castlegate, Knaresborough, North Yorkshire HG5 ONS Tel & Fax: (01423) 864963 Full member of BTLLA

# \_oaic

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



# **TORO**

Installation Sales

Sales & Service E. England, Yorkshire, S. Humberside, Lincolnshire Derbyshire, Nottinghamshire and Leicestershire N.E. England,

EB & L SIMMS
Unit 18, Camp Hill Close, Dallamires Lane, Ripon, North Yorkshire HG4 1TT Tel: (01765) 602175 or 690598 Fax: (01765) 603488

# 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

### 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

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

Consult

# Watermation

to discover how our total irrigation service can benefit you

**Design Supply** Installation Support

01252 336838

M J ABBOTT LIMITED Design, supply and installation of

RAIN BIRD.

Irrigation Systems Tel: 01722 716361

### **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



Design. Supply. Installation. Service From full systems to improvements on present systems and service. Phone Now to find out how you can Save Money! Phone/Fax: 01405 814889 Office Mobile 0421 578828

You'll be amazed where we popup!

# AutoFlow Sy/tem/

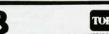
CALL NOW FOR ALL YOUR WATER REQUIREMENTS ON

SPORTS GROUNDS, GOLF COURSES, BOWLING GREENS, COMMERCIAL LANDSCAPING, PRIVATE GARDENS

TEL: 01603 759701 FAX: 01603 758200

AUTO HOUSE, ASHTREE WORKS, MILL ROAD, BARNHAM BROOM, NORFOLK NR9 4DE

YOUR COMPLETE INDEPENDANT IRRIGATION SPECIALIST



SERVICES SERVICES SERVICES

East Midlands Area Installation, Sales and Service

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

The Irrigation Innovators

Phone or fax for your list of

Hunter dealers throughout the UK and Ireland

Sportsground Irrigation Co

Tel: 01386 41212 Fax: 01386 423769



Design. Supply. Installation. Service.

Established 42 years ONGAR, ESSEX 01277 890274



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

# **W**ARDLE

Consulting Engineers, Ltd.

INDEPENDENT IRRIGATION CONSULTANTS & PROJECT MANAGERS

8, Main St. Barton-under-Needwood STAFFS DE13 8DP

Main Office Tel/Fax: 01283 711 864 Area Office Tel/Fax: 01483 278 416

MIST OF STREET

4 System 4 6 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 IND

Tel: (01425) 474614 Fax: (01425) 471296

# **HIGH RELIABILIT =(0(0))**

Equivalent to Watermation,CIC, Wright Rain, Primetime, Robydome, TORO and ISS No switches, more reliable

- ◆ 5 year warranty ◆ Multi-outputs available ◆ Low cost address programmer ◆ Competitively priced

# TONICK WATERING el: 01903 262393 Fax: 01903 694500

Associate Member of BTLIA

# ameror 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 your Irrigation needs.

Cameron — (Macpenny)

Unit 17-18 Highdown Industrial Estate, Ringwood, Hants. BH24 1ND

Tel: (01425) 474614 Fax: (01425) 471296 M.I.S.C.

IRRIGATION

**DESIGN** • SUPPLY **INSTALL** • SERVICE

ew systems, system extensions and system refurbishments Call us for a FREE system survey

01132 450414 01606 558927

Full members of the BTLIA

Supply, install, upgrade and repair

Plows and trenchers for sale/hire

**Irrigation and Drainage** Services Ltd Tel: 01633 893119

**Automatic Watering** Systems for Sports and Leisure Grounds Designed • Supplied • Installed GLEN HEAT & IRRIGATION Pinchbeck, Spalding, Lincs.

**Ghi** Tel: (01775) 722327 Fax: (01775) 725444

British Turf & Landscape Irrigation Association

'Quality by Association"



Our aim is to ensure you have the best possible irrigation system so we constantly monitor, maintain and raise the standards of our members

For a full list of members contact David Halford Tel: 01995 640661 or fax: 01995 640642

# Lake Construction/Liners



Liners for lakes, ponds and storage lagoons from the UK's leading contractor



0 Comprehensive advice regarding design and construction of water areas

GT Ltd, Wiston Road, Nayland, Colchester, Essex CO6 4TL Tel: 01206 262676 Fax: 01206 262998

MERiT

Planning Supply Installation

Tel: 01594 529191 Fax: 01594 529413

# Lake Management



May 1998 Greenkeeper International 57

0118 951 0033

### Peat

# Superscreened Sphagnum Peat for Golf Course Construction and Maintenance

- 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

### **Pest Control**

### PEST CONTROL SERVICES Arch Cottage, Bulmer, York RABBITS MOLES SQUIRRELS 01653-618 763 Yorkshire

Humberside 01652-659 308 Les 0191-489 0690 Neil Newcastle

# WHAT PEST? with NO PROBLEM. **Humane Rabbit Conrol** For futher Information contact us on

ph Control

0118 951 0033

# WATER TREATMENT LTD

ph and chlorine control for turf quality improvement. Individually designed and installed dosing systems for irrigation applications

23 Brassmill Enterprise Centre, Brassmill Lane, Bath, Avon BA1 3JN Tel: 01225 334838 Fax: 01225 442028

# **Greenturf Systems**

for pH Control using "PHAIRWAY" solution contact:

S.G.I. Sales

The Oxstalls, Evesham, Worcestershire, WR11 4TS. England. Tel: 01386 41212 Fax: 01386 423769

FREE SOIL AND WATER TESTING

**Pond Maintenance** 

# **Biological Water cleaner**

Prevent algae bloom; Remove scum; Suspended solids, Bottom sludge; Simple to apply, completely safe for fish, birds, animals and plants

Anchor Industries Europe; Airport Executive Park Tel: (01582) 400630 Fax: (01582) 401939 Railway Sleepers

# RAILWAY SLEEPERS

# FIRST CLASS QUALITY

**DELIVERY ANY AREA** Contact Sleeper Supplies Tel/Fax: 01302 888676 Mobile: 0831 356710

# **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

AT 'STRIKE TOP TURF'

CROSSING TIMBERS 12" x 6" up to 16' long Price quoted for number require Tel (01233) 625121 or 620277

# Faggs Fleet

Whitfield Road, Ashford, Kent

OAK SLEEPERS ANY QUANTITY DELIVERED PLEASE CALL/FAX MELVYN ON 01344 779155

# **Root Zone**

# BANKS AMENITY PRODUCTS LTD

Specialist Manufacturer and Supplier (for over 20 years) of Rootzones and Top ver 20 years) of Rootzones and Top ings – to all specifications including USGA. Supplied nationwide. Please phone for quotation. Tel: (01858) 46346/433003 Fax: (01858) 434734

## Sand/Silica Sand



### (EBENEZER MEARS)

KINGSLEY FINE WASHED SAND

for Tees · Greens · Bunkers and drainage sands and shingles

Wintersells Road, Byfleet, KT14 7AZ

01932 345616

# GRUNDON

# **NOW SPREADING** IN YOUR AREA

Top Dressing **Bunker Sand Root Zone** Tees Dressing All Aggregates **Path Gravels** Cockleshell

**NEW HOTLINE NUMBER: Contact Gordon** on 01367 244078

### Seats



# **Sports Netting**

# SPORTS NETTING



- 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



- 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

# BOURNE

Supplying the South of England

Manufacturers of Top Dressings & Rootzones

**Contracting Services** 

# **BOURNE AMENITY**

FIRST FOR QUALITY OF PRODUCT AND SERVICE

TEL: 01797 252298



# Pinnacle RANGE

TOP DRESSING . ROOT ZONE MONEYSTONE BUNKER SAND PAR-LINK PATHWAY GRAVEL

MARTIN BROTHERS TEL: 01625 614121 FAX: 01625 618282

# .

© ROOTZONES © ۵ DIVOT MIXES TOP-DRESSINGS SCREENED SOILS à DRAINAGE & SUB-BASE MATERIALS à

Alan Hadley Limited, Fenton House, 102 Grazeley Road, Three Mile Cross. Reading, Berkshire RG7 1BJ

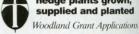
Tel: 0118 988 3266 Fax: 0118 988 4538

# TOP DRESSERS. **DRESS WITH** AMTEC!

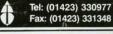


Tree Planting

Top quality tree and hedge plants grown,



FREE advisory visit and catalogue Golf course planting a speciality





**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

# Rolawn Check out

Britain's

Finest Turt

# ABSOLUTELY NO MINIMUM

M PRICE PLEDGE

ORDER

- TWO GRADES OF GREENS TURE
- **✓** OLYMPIC RYE FREE TEES TURF - NEW FOR 1998
- **▼** INDEPENDENT THRE TESTING PROGRAMME BY THE STRI
- TOP STRI RATED CULTIVARS
- RRITAIN'S REST TURF WASHING SERVICE
- **▼** FREE FORKLIFT OFF-LOADING
- ✓ LOCAL SERVICE FROM ROLAWN'S DEPOTS
- FREE LOAN OF LAYING EOUIPMENT
- FREE SAMPLES

CALL 01904 608661 and ask for CUSTOMER SERVICES

Quality personal Service and outstanding

Value



# For a finer class of grass...

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







Laboratory for ■ Full range of services Golf Greenkeepers

USGA rootzone testing Percolation rate testing Particle size distribution Nutrient Analyses and



An Independent

Materials

Testing

For further information call Ann Murr European Turfgrass Laboratories Tel: 01786 449195 Fax: 01786 449

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







# TT ProTurf



AND SUPPLIERS OF QUALITY CULTIVATED TEES, GREENS AND AMENITY TURF COUNTRYWIDE

TEL: 01427 890797 FAX: 01427 891785

# TT ProTurf Ltd

CARR FARM, WEST STOCKWITH, NR

# Lawns

Growers of Quality Turf Uniquely cultivated on fine

- dark soils Next day deliveries
- Quality assured company ISO 9002

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

# **Turf Dressings**



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

Telford Way, Kettering, **Northants** Tel: 01536 510515



PROFESSIONAL TURF DRESSINGS FOR THE PROFESSION

★ GOLF TURF DRESSINGS \* SAND \* SCREENED TOP SOIL

# **BAILEY'S OF NORFOLK**

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

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

# BANKS AMENITY PRODUCTS LTD

for Fendress Top Dressing

- Fendress Superfine
   Economy Dressing
- Rootzone Mixes
   Screened Fensoil Screened Peat · Screened Loam · Kiln Dried Sand



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

# **Tyres**

# FLOTATION TURF TYRES

\* Vide Flat Heads

\* Custom Made Wheels \*

\* New and Used available \*

ROSCO TYRE AND WHEEL LTD Tel: 01695 421100 Fax: 01695 424265

# **Vertidraining Hire**



**Verti-draining Specialists** 



Competitive and Reliable

Telephone: (0117) 982 0054 Fax: (0117) 982 0052

# Portview Rd. Avonmouth, Bristol BS11 9LQ

# SEWARD TURF MAINTENANCE

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

Phone York: 01904 765949 Freephone: 0500 432120



# VERTIDRAINING

Competitive rates and prompt service offered throughout the North West

For details contact: Ernie Lander on 01925 291919 or 0831 448817

# PETER MANNINGTON



Specialist Verti-Drain Contractor for the South For greens, tees, fairways and sportsgrounds

Tel/Fax Peter on 01580 200205 or Mobile 0850 612061

Sheepwash Farm, Church Street, Ticehurst Wadhurst, East Sussex TN5 7DL

# Fairway Landscapes

GOLF COURSE & SPORTS GROUND CONSTRUCTION & MAINTENANCE Overseeding • Top Dressing • Deep Hollowcoring Greens • Tees • Bunkers • Drainage • Verti Draining
Machine Hire • Visual & Verbal References

Tel or Fax: 01726 843003 Mobile: 0468 633569

# WORTH

**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

# **ROSS OLIVER** SPORTS GROUND CONSTRUCTION AND MAINTENANCE

- VERTI-DRAIN for Greens and Sportsground:
   STONE PICKING RYAN HOLLOW TYNER
   SAND SPREADERS DIRECT DRILLS
- Tel: (01841) 540222 Fax: (01637) 881057

# **Wetting Agents**

Enhance water penetration and aid the fight against dry patch, also stimulates soil microbes.



For details and Information on our range of **DRENCHER** products

& Wetting Agents call us on

0118 951 0033

**Wood Chips** 

# BRYLINE LTD

Walkway fibre used for golf paths and walkways. Clean, dry surface underfoot.

Telephone: 01604 864227 and 01604 864204

This space could be working for you! Call Jenny now on 01347 838581

# **Machinery For Sale**



### Used machinery list as of 17.04.98

Kubota G1900-S c/w 54" deck and turbo collector	26,500
Toro Greensmaster 3000 petrol (x2)	£2,750
Toro Groundsmaster 117 petrol up-front rotary mower c/w collector	£1,750
Jacobsen Greensking 4 Diesel power steering standard 9 blade units	£3,000
Toro RM216 petrol triple mower c/w 8 blade reels	£2,500
Set of 3 verti-cut units to fit Beaver gangs	£1,000
Toro Groundsmaster 72 petrol fitted with a 72" side discharge mower	£1,000
Kubota B1750 HST fitted with a mid mounted deck and cab	£4,500
Toro Groundsmaster 322-D c/w 88" Tri-Flex Deck	£4,000
Massey Ferguson 1020 G/box, turf tyres c/w Hardi sprayer	£4,250
Ransomes Motor Triple (petrol) good condition	£1,000
Toro GM3000-D Choice of 2	£3,000
Toro Greensmaster 300 (petrol) greens mower c/w cab	£2,000
Ransomes mounted 214 hydraulic gangs	£2,250
Jacobsen Tri-King 1672 diesel 3wd c/w floating heads	£1,750

Sales: 01825 872070 Fax: 01825 872130

All prices are plus VAT

# **FLAG PINS** £5.00 EACH FLAGS £2.00 EACH

**FULL DETAILS ON REQUEST** CONTACT: 01247 814981

**Have you** found all the logos yet?

VERTIDRAIN 2 METRE C/W CASE TRACTOR

Both in good condition – can be seen working

£10,500 THE PAIR (PLUS VAT)

ARC AGRICULTURAL ENGINEERS TEL: 01844 278950 FAX: 01844 279158

LLOYDS PALADIN 21" FINE TURF MOWER

Just 8 hours demonstration use As new condition RRP £3,075 +VAT

£2,195 +VAT

CHARNWOOD & HIGHMERES TEL: 0116 2375454

# FOR SALE

JACOBSEN IIR 5111 ROTARY MOWER 1992 - £8,500

COTTRELL PARK, CARDIFF CONTACT 01446 781701/781781

AMAZONE GHLT120 HIGH LIFT WITH CUTTING & SCARIFYING UNITS

SISIS 6ft LIGHTWEIGHT MOUNTED ROLLER

TEL: 01825 740383

# SISIS DURECT turf maintenance machinery

Various S/H, SISIS aerators, scarifiers, top-dressers, sweepers, seeders, etc. available as seen or fully refurbished by manufacturer Hire equipment also available Phone Douglas Boa on 01625 503030



Deputy Head Greenkeeper Aged 31 with 13 years experience in greenkeeping. Qualifications achieved in City and Guilds I, II, III, PA1 and PA2A, BTEC D32, D33 certificates. Experience in all areas of turf management and construction. Seeking new position, any location considered.

JS/76/98

28 yr old Fully Qualified First Assistant with 9 yrs experience on parkland course.

Looking to progress career to Deputy/Head Greenkeeper Knowledge in all aspects of Greenkeeping including supervising and motivating other staff. Qualifications are City & Guilds phase 1 & 2, PA1, PA2, chainsaw certificate, First Alexander City & Company of the Company of **BIGGA Supervisory & Management** Course's Modules 1, 2 and 5. All locations considered.

JS/73/97

# Practical Greenkeeping by Jim Arthur

to one knows more about golf greeneeping than Jim Arthur, who with a
areer spanning six decades has given
fiecless guidance and advice to over
50 golf clubs throughout the U.K. and
urope, while also acting as consultant
groomsits to the Championship
ommittee of the Royal and Ancient
off Club of St Andrews. Now, in
factical Greenkeeping, Jim Arthur

Third, every chairman and member of
a golf elub geen committee clutching,
their copy of Practical Greenkeeping,
should beat a path down Jim Arthur
well-proven route. It could well lead to
the salvation of their golf courses, while
making them look awfully elever into
the bargain!





# Presentation









GOLF GREEN

Ecology Book £3.00 to BIGGA members £7.00 to non-members Ecology Video £14.95 to BIGGA members £29.95 to non-members

Preparation Video £14.95 to BIGGA members £29.95 to non-members

Golf Course Reconstruction Video

£14.95 to BIGGA membe £29.95 to non-members

**Golf Course** 

Raising the Standards of Mowing
Management Video
£14.95 to BIGGA members
£29.95 to non-members

Setting the Standard in Spraying Application Video £14.95 to BIGGA members £29.95 to non-members

BRITISH & INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION, ALDWARK MANOR, ALDWARK, ALNE, YORK, YO6 2NF 01347 838581