



Facts you need to know...

BTME Opening Times

Wednesday January 21:

9am-5.30pm

Thursday January 22:

9am-5.30pm

Friday January 23:

9am to 1.30pm

Booking System

Any delegate wishing to book hotels, seminar sessions, or the banquet should contact Sami Collins at BIGGA Headquarters Tel: 01347 838581

AGM

The BIGGA Annual General Meeting will take place at the Majestic Hotel at 5.45pm on Wednesday January 21, 1998. All members are urged to attend but membership cards must be produced.

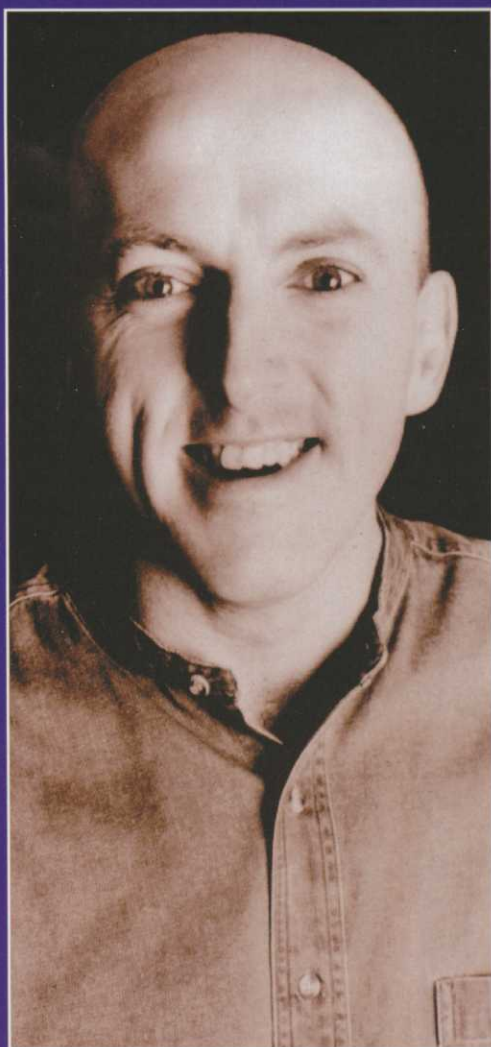
Competitions

The winner of BIGGA's superb prize draw to win a trip to Harrogate for three nights at a top hotel and entry to all educational seminar sessions is Nigel Aiken of Belfast.

In second place and winner of a trip to Harrogate and accommodation for two nights as well as entry into the educational seminar sessions is Mr J. H. Bragg, from Crete and third is Michael Smith of Southampton who wins one night's accommodation and entry to all seminar sessions.

The winner of the Christmas Hamper for registering before November 14 was Steve Holmes of Hyndhead GC in Surrey.

Entertainment at BTME



Lee Hurst



Linda Nolan

We thought our search was over... it is now!

Over the last few months the staff at BIGGA Headquarters have spent many hours on one of the biggest problems the Association faces on an annual basis – how do we improve on the previous year's entertainment at the Thursday night banquet?

As you can imagine each year this task becomes more difficult as standards continue to rise. You will no doubt remember the last three years with Tom O'Connor, Stan Boardman and Bobby Davro topping the bill.

At the end of each of these evenings people left feeling they had a whale of a time and often ribbed us about how difficult it will be even to match it the following year.

It is a responsibility we have

not taken lightly and this year the search for a star has taken many telephone calls and long arduous hours watching videos ensuring that what we will present to our guests on that memorable Thursday evening next January will be the best we could possibly get.

Often we thought it was all over and we had succeeded... only to have our hopes dashed as some of the biggest name entertainers in the country couldn't wriggle out of previous engagements to free up a date BIGGA has had set in stone for years.

Undoubtedly it was all for the best because our patience was rewarded tenfold with the signing of one of the country's finest stand-up comedians – a

man who has simply exploded onto the scene over the last three years and following innumerable television appearances and a nationwide tour is one of the highest profile – and funniest – comedians in the land.

Many times we thought our search was over... but – with the signing of Lee Hurst – it is now!

But that's not all. There is one person who is still talked about in hushed tones amid greenkeeping circles on both sides of the Atlantic following her outrageous performance at BTME '95 and, you've guessed it, we've brought her back. Linda Nolan will be strutting her stuff again at BTME '98.

You know where to go for tickets. Don't wait to be disappointed.

Workshops One and Three and now SOLD OUT. For details of course availability please contact Sami Collins on 01347 838581

Reservations?

Where else would you rather spend a week in the middle of January than Harrogate?

There are several locations which tend to be chosen for the many exhibitions and conferences found up and down the length and breadth of the country. Political parties tend to favour the seaside and Bournemouth, Blackpool and Brighton, the three Bs, appear on monotonous regularity giving politicians a rare opportunity to look windswept and interesting. Big population centres are chosen for the likes of the Motor Show, British Fashion Week, The Boat Show and the Ideal

Home Exhibition at the likes of Olympia, Earl's Court, in London, the NEC in Birmingham or the Manchester Arena. In Scotland, of course, they have their own SEC in Glasgow. However there can be few locations to match the delights of Harrogate which doesn't fall into either of the above categories but does offer a unique blend of atmosphere and facility which combined to make the town perhaps the most attractive of all the Conference

and Exhibition venues. Slap bang between Edinburgh and London there can be few more accessible locations - particularly not with Leeds Bradford airport to service the needs of those who need to be in and out in a hurry. The Harrogate International Centre, itself is in the middle of town which means snatching an hour's shopping is not out of the question while the array of hotels, has something for every budget and many are in walking distance to the town centre.



Hospitality Inn

Special accommodation rates for
**BIGGA Turf Management
Exhibition 1998**

Prospect Place, West Park, Harrogate HG1 1LB
Tel: 01423 564601 Fax: 01423 507508

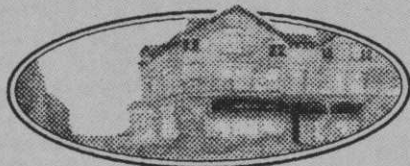
Ashley House Hotel

- Five minute walk to exhibition complex ● Free private parking
- Cosy bar specialising in single malt whiskies
- Comfortable, en-suite rooms
- Colour TV (including Sky) in all rooms
- Delicious evening meals

36-40 Franklin Road, Harrogate Tel: 01423 507474

PARNAS HOTEL

Proprietors: Robert and Pauline McKay



Driver and 3-wood from Exhibition Centre

98 Franklin Road, Harrogate HG1 5EN Tel/Fax: 01423 564493



The Britannia Lodge Hotel

Beautiful 19th Century town house, with private parking. Cosy lounge and bar with open fire and 12 en-suite bedrooms, all with TV, telephone and hospitality tray. We are ideally situated, being only a few minutes walk to the Conference Centre, Exhibition Halls, and Harrogate town centre.

ETB  COMMENDED AA★ (72%)

Please contact Nigel or Julia MacDonald for reservations or information
16 Swan Road, Harrogate HG1 2SA Tel: 01423 508482 Fax: 01423 526840

The Bay Horse

INN & RESTAURANT

Burnt Yates, Harrogate HG3 3EJ
Telephone: 0423 770230



Hosts Alice, Mandy and Wendy Donockley welcome you to this charming olde worlde, ivy clad 18th century inn. Set at the gateway to the Yorkshire Dales, you have glorious views of Nidderdale. This friendly inn offers superb cuisine and the best of Yorkshire hospitality.

From Harrogate: Take the A61 for 4 miles, then the A6165 to Pateley Bridge for 2 miles. The inn is situated next to the village church in the village of Burnt Yates.

The Langham Hotel

Family owned and managed
50 en suite bedrooms

SPECIAL RATES FOR BTME GUESTS

Contact Stephen Ward
01423 502179

Plenty to see and lots to do

There can be few towns with more to offer in the middle of January than Harrogate and if you can drag yourself away from the attractions contained in our four huge halls, or are looking for somewhere to spend an evening, Harrogate will not disappoint.

With Harrogate International Centre bringing people to the town on a regular basis it has ensured that it plays home to a variety of entertainment normally only sustained by towns and cities much larger than Harrogate.

A visitor could easily spend an entire holiday, not travel more than 10 miles from the centre of Harrogate and still feel they have had a rewarding break.

Following some intensive research from within BIGGA staff members who reside in the Harrogate and surrounding area the following facts about the town were established:

1. Agatha Christie chose the town, and the Old Swan Hotel in particular, for her now famous disappearance when at the height of her literary powers.
2. Norman Lamont was a beaten parliamentary candidate at the last election.
3. The town is the home of the world famous Betty's tea room and Taylor's Tea and Coffee.
4. The water of the town have special healing powers and the Pump Rooms offer traditional Turkish Baths and more modern spas.
5. Harrogate is the home of the Northern Horticultural Society and hosts a twice yearly flower show which attracts visitors from far and wide.
6. A new swimming pool is soon to be built in the town.
7. The town has three fine golf courses, Pannal, Harrogate and Rudding Park which was the '96 winner of the National Golf Environment Competition.
8. The town houses the excellent Black Sheep Brewery Visitors' Centre.
9. Old Mother Shipton's Cave is in nearby Knaresborough.
10. You will bump into a large number of greenkeepers and members of the greenkeeping industry during a certain week in January.



*Russell Hotel,
Harrogate*



RAC ★★★

Privately owned Hotel with 37 en suite bedrooms
SPECIAL RATES FOR BTME GUESTS
from £25 per person per night B&B

Freephone 0500 655464

**IMBERCOURT
HOTEL**

Warm bedrooms, real breakfasts, bar and personal service.

Ten minutes stroll to conference centre.

£25.00 B&B single occupancy

£45.00 B&B double occupancy

57 Valley Drive, Harrogate Tel: 01423 502573 Fax: 01423 562696



Rudding Park

HOUSE & HOTEL

Yorkshire's Hotel, Golf and Conference Centre

- 18 hole, par 72, parkland course
- Luxury 4 star AA/RAC hotel
- Grade 1 Regency period listed Conference centre
- 2000 acre estate
- Corporate days welcome
- Affiliated to the Academy health spa

Rudding Park, Follifoot, Harrogate, North Yorkshire HG3 1JH
Tel: 01423 871350 Fax: 01423 872286 E-mail: sales@rudding-park.co.uk



Who to look out for at

COURSE CARE

Safety and The Environment are the keywords from Course Care at BTME '98. Our extensive display will include: Course Care 30 long drain oil to minimise waste; Bunded fuel tanks to prevent leakage; Clipping Tip to keep clippings under control; Green Concept wetting agent to ensure maximum benefit from expensive irrigation; Oil interceptors to prevent pollution from wash-down areas; A Blue Angel range of biodegradable oils and greases; New Vivusol fuel treatment to prevent black smoke and protect engines; Respirators for all spraying applications; The Full Course Care Environmental Services range - waste oil collection, chemical packaging collection, filter collection.

TORO COMMERCIAL PRODUCTS

Toro is displaying a large selection of turfcare equipment from its wide product range, including many new products that are mak-

ing their first European showing.

Leading the line-up is a new-generation tees mower (NGT) incorporating many innovative features.

Also making debuts are the new top-of-the-range bunker vehicle, the Sand Pro 5020, which replaces the Sand Pro 5000, and a new addition to Toro's highly-popular greensmower range, the Greensmaster 3050. The ride-on triplex unit is a lighter weight economy model.

There is also a new version of Toro's Greensmaster 500 pedestrian mower with improved handle configuration for easy operation.

Visitors can also see the new 78in Trailed Turf Aerator.

HAYTER LTD

Hayter has been producing top quality grass cutting products for over 50 years without compromising on quality. On Stand C42 this is more than evident with the products on display for golf course and local authority markets.

LEVINGTON HORTICULTURE LTD

Levington Horticulture will be exhibiting the new Greenmaster Liquids range of turf fertilisers at BTME this year. Ideal for use on both fine and outfield turf, the range comprises formulations designed to meet the needs of turf managers throughout the season and in all situations.

One of the key benefits of the new Greenmaster Liquid Fertilisers is that they are not only designed for specific purposes in themselves but are also formulated to be tank mixed in order to achieve nutrient ratios previously very difficult to market due to storage instability.

Full information will also be available on the complete range of Levington turfcare treatments, including Greenmaster granular fertilisers, Sportsmaster, Tritox and Turfcare.

AMENITY TECHNOLOGY PRODUCTS LTD

Amenity Technology will be in

unfamiliar territory at this years show, moving their stand to G20-G24. However as always visitors can be assured of the finest selection of innovative new products combined with Amenity Technology's existing ranges of bio-stimulants, micro-nutrients, wetting agents, water management, course accessories and fertilisers.

Exclusive to the show will be a special promotional offer on Indicator Green, the new spray pattern dye. Since its release, Indicator has enjoyed unparalleled success, leaving the opposition GREEN with envy. Make Amenity Technology on stand G20-G24 your first point of call, to keep up to date on what to use for the green environment.

AITKENS SPORTSTURF

Richard Aitken and his staff will be pleased to welcome customers old and new to their stand at BTME '98 Harrogate. On display are a number of new and interesting products, furthering the choice Aitkens can offer to green-

GREENSMASTER® 3200 SERIES LISTEN AND YOU'LL LEARN WHAT MAKES THIS A SOUND INVESTMENT

Low noise, high power and precision cutting make Toro's Greensmaster 3200 the complete solution for greenkeepers looking for perfection.

With carefully selected petrol or diesel engines which are high on power yet low on sound, this exceptionally quiet ride-on greens mower boasts a unique, unrivalled cutting system to give superb quality of cut.

Its responsive cutting system prevents sliding and scuffing on turns, while floating cutting units give enhanced ground contour following and a precision cut, further enhanced by a highly efficient collection system.

For a sound investment, trust Toro. Simply telephone 01480 476971 and we'll arrange for a local dealer to contact you.

TOTAL SOLUTIONS

TORO distributed by Lely (UK) Limited, Station Road, St Neots, Huntingdon, Cambridgeshire PE19 1QH
Telephone 01480 476971 Facsimile 01480 216167



the show



keepers, groundsmen and turf managers. The most comprehensive choice available.

CHARTERHOUSE TURF MACHINERY LTD

Charterhouse Turf Machinery Ltd will again be displaying its full range of turf maintenance equipment with particular focus on the new verti-drains which were announced last year and which have received such wide acclaim throughout the last 12 months. Also included for the first time will be the Robin Dagger and the new Charterhouse pedestrian aerator. We look forward to meeting all our old friends and many new ones, so do not hesitate to contact any member of staff for added information or even a copy of our verti-drain video.

M J ABBOTT LIMITED

M J Abbott Ltd offers a range of specialist services to the golf and leisure industry. State of the Art Techniques together with fine workmanship ensure quality and

efficiency throughout the company. M J Abbott Ltd concentrate its activities in the field of land drainage and irrigation. Recognised as one of the top companies in the UK offering Rain Bird Irrigation Systems, water sourcing, distribution, construction, maintenance and landscaping complete the range of services provided. Illustrated examples of the types of projects undertaken will be on display with technical staff on hand to answer questions and advise as required.

JOHN GREASLEY LTD

John Greasley Ltd is a specialist contractor who carries out alterations to and refurbishment of existing golf courses. The company established in 1984 has unrivalled experience in completing such works with a minimum of disruption and disturbance to the club and its members.

Over these years John Greasley has developed a wealth of experience and expertise in the way contracts are carried out, using

his unique fleet of specialist equipment. This ensures works are completed efficiently with little or no damage to the course.

The company has been involved with the total reconstruction of the championship greens at Royal Birkdale.

KAWASAKI MOTORS (UK) LTD

Kawasaki Motors (UK) Ltd will be displaying the new innovative range of brushcutters. The six models ranging from 23cc to 48cc will be on display along with the already well established Kawasaki Mule-Utility vehicle. In addition to the brushcutter range, later in 1998 there will be a full range of hedgetrimmers and leafblowers.

LINKS LEISURE LIMITED

The all weather tee mat is manufactured in 3 sizes - 1.0 x 2.0 mtrs, 1.5 x 1.5 mtrs and especially for the pitch and putt course a new mat 1.5 x 1.0 mtrs. The practice net, strong enough to withstand the most adverse weather conditions, measures 2.5

x 3.5 x 3.2 mtrs high and comes complete with a heavy duty baffle net. The attractive yet functional tee markers and entrance signs made either to a standard shape or to your own requirements, can be supplied in a variety of colours and stands. Introducing for the first time a litter bin made with the golf course in mind. Totally enclosed with a plastic bin liner. The base can be painted to your requirements and can include either your course details or sponsor plaque, if required.

MARLWOOD LIMITED

Marlwood Limited, UK distributors for the revolutionary range of "articulator" floating rotary mowers. Visit our stand (number A29) and see the full range of articulators. This latest generation is proving to be a great success with some of the UK's most prestigious golf courses, being seen as the ultimate semi-rough/rough cut mower. Giving the highest quality finish cut of any rotary mower. Showing for the first time will be





Who to look out for at the show

the latest addition to the "articulator" family – the outfront – available to suit most leading brands of out front ride on rotary mowers.

Ocmis Irrigation (UK) Ltd

Ocmis are irrigation experts with a referral driven reputation in system design, manufacture, supply, installation and service for all sports turf, landscape and amenity areas. We are also specialists in refurbishment and upgrading of existing systems.

Ocmis are distributors for Rainbird, Buckner and Hunter and can supply and service other makes of equipment. Throughout the UK, Ocmis stock MDPE and UPVC pressure pipe, associated fittings, pumping units, electric cable and mobile irrigators. Ocmis's unique in-house design capabilities ensure that the requirements of each client are individually met and that each project is given independent attention. For more information and a no obligation survey and design contact Ocmis

Irrigation (UK) Ltd on: Head Office 01460 241939, Midlands Office 01789 414604, Northern Office 01924 453102 or the Scottish Office 0131 220 2102.

SISIS EQUIPMENT (MACCLESFIELD) LTD

Come and see the new SISIS 21-1D tractor with articulated power steering, patented weight transfer system and 21hp engine. There is an impressive list of options including hydraulic tipping box, speedo, canopy, flashing beacon.

Also on show will be the new SISIS Ecospray. Most sprayers are based on agricultural models, with the attendant problems of spray drifting from the intended target causing damage to adjoining vegetation. Therefore, each unit on the Ecospray is enclosed by a perforated shroud to reduce drift to an absolute minimum. The 5-gang Ecospray can be towed or fully mounted behind virtually any vehicle.

SUPATURF PRODUCTS LTD

Another innovative display from

Supaturf Products for 1998, featuring the world's favourite range of water management products including Primer 604, Aquadoc and Infiltrix. Other products such as the Evensprey 2000 multi-functional and versatile battery powered sprayer and the Supamark range of multi-coloured aerosols will be displayed. New from the Evenspred range of broadcast spreaders will be a top dressing and mulch spreader and new for the technologically advanced supra test soil test system will be a portable test moisture meter and a range of specialist test equipment.

VITAX LTD

Vitax Seaturf Soluble is a 100 per cent soluble concentrated seaweed extract, ideal for tank mixing with soluble feeds such as the new Vitax Vitaturf range, giving today's turf manager the ability to produce his or her own liquid feed with the added benefit of seaweed.

Vitax Ultraflo Granular is the granular form of Ultraflo Liquid,

with the added benefits of ease of application for specific treatment areas where high irrigation requirements are a problem.

BOURNE AMENITY

Bourne Amenity announce the launch of its new manufacturing plant at Sevenoaks and will be delighted to welcome customers, both old and new, to join them for a glass of their very own 'Bourne' wine to help them celebrate the launch of their new plant. So, don't delay, go and visit their Stand No C13!

Bourne Amenity's own high quality topdressings and root-zones blended at its new Sevenoaks manufacturing plant will be on show. By incorporating Bourne Sports Stand with either peat, loam, fensoil or green organic, they can produce a blend to the clients specification. For more information see Bourne Amenity on Stand No C13 or contact them at Bourne Amenity, Newenden, Cranbrook, Kent TN18 5QG, Telephone 01797 255598.

We would like to wish
all our customers new and old,
a very merry Christmas,
and a happy New Year


IRRIGATION
— control —

**COME AND SEE US ON STAND B25
AT THE BTME, HARROGATE**

Irrigation Control, Cheshire
01606 558927

Irrigation Control, Yorkshire
01132 450414

CONGRATULATIONS

The following are the ten lucky winners of the

Course Care

competition who will each receive a Course Cap exclusively designed for BIGGA by Course Care.

Nigel Buxton, Chapel-en-le-Frith
John Noble, Coningsby
Kit Gordon, Maidstone
Jason Fursman, Beaminster
Jeff Bailey, Newbridge
Mike Gash, Stratford-upon-Avon
Mr A Lawson, Framlington
G A Wyatt, London
Chris Sturgess, Andover
Michael Smith, Bishops Waltham
Iain Turnbull, Sutton Park

Congratulations to you all, your cap will be sent to you very shortly.

Look out for forthcoming competitions in future editions of Greenkeeper International and next time it could be you!

Course Wear

Keeping ahead in protective clothing

2268 people
a year visit hospital
with head injuries sustained
on the golf course



DON'T BE AN INJURY STATISTIC. COURSE CAP MEETS EUROPEAN SAFETY STANDARD prEN 812 TO PROTECT FROM HEAD INJURIES CAUSED BY CONTACT WITH HARD OBJECTS.

CE marked light weight, durable and fully breathable in Blue or Green. Soft cover and lining designed for comfort and appearance. Tested to protect from flying balls, tree branches, cab roofs, day to day impacts.

The Keeper – hard-wearing cotton cover £39.75

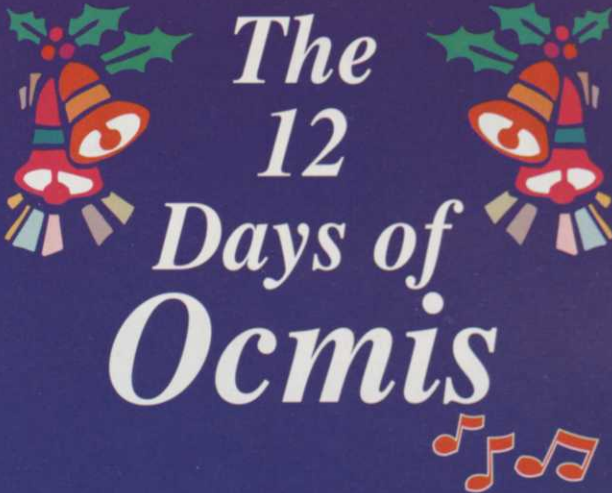
The Murray – ventile cover out-performs other waterproof fabrics with fold-down flap for cold weather or sun protection, sweat band, ear defender clip. Supplied in a drawstring bag £47.75

To order call *Course Care* on 01535 611103

Parkway House Worth Way Keighley Yorkshire BD21 5LD

AD
REF
524

The 12 Days of Ocmis

- 
- 12 Spades a Digging
 - 11 Pumps a Pumping
 - 10 Pipes a Piping
 - 9 Controllers Working
 - 8 Trenchers Trenching
 - 7 Moleploughs Moleing
 - 6 Designers Drawing
 - 5 Galvanised Tanks
 - 4 Spray Heads
 - 3 Solenoids
 - 2 Watering Points

And Only One
Irrigation Company...



Merry
★
Christmas

and a Happy New Year

AD
REF
360

NEW PRODUCTS

Flymo has introduced a new Flymo Petrol "Hover-Trimmer" Range for the commercial market. The new mower is less prone to damage than many existing hovers, ideal for steep slopes when using a rope kit and uses a simple to change molofilament line system giving an even finish. Its anti vibration benefit means it can also be used for prolonged periods.

The two mowers in the range will be designated HVT40 (16" cut) and HVT52 (21" cut) and will be powered by 49cc and 98cc Tecumseh engines.

The key launch for the mowers will be BTME.

For further information Tel: 01325 300303

EQ Waste Management has expanded its operation enabling it to produce nutritional compost which is pathogen free and weed seed free.

"The greenkeeper knows that all green waste can be recycled but has not had the necessary technology to produce a high quality batch tester product. We have the machinery to enable us to blend different forms or organic waste to produce a high quality organic compost," explained Simon Lupson, a Director of EQ.

For further information Tel: 0990 60 20 60

A new litter bin – designed for use on golf courses and other sports grounds and suitable for sponsorship or advertising – has been launched by Links Leisure, the Shropshire-based course accessory manufacturer.

Produced from glass reinforced cement and needing little or no maintenance, the triangular-shaped 800mm high, is available with or without a lid.

The new litter bin can be finished in a choice of club colours and it incorporates a recessed flat panel which can be used to house a sponsor's details or a club name and logo.

For further information Tel: 01948 663002 Fax: 01948 666381.

Saxon Industries of Hungerford, has introduced two new models of 22" pedestrian green mowers from the Baroness factory in Japan.

These two models incorporate



The new Flymo Hover Trimmer range

floating cutting heads, which are claimed to be ideal for mowing McKenzie greens and undulating surfaces.

They both have all gear drive construction. 4 inches diameter, 9 blade cutting cylinders made from nickel chrome tungsten. Quick release pneumatic transport wheels and hand operated drum brakes are fitted as standard.

For further information and demonstration Tel: 01488 684545, Fax No: 01488 681525

Kubota has introduced five new turbocharged four cylinder diesel engines. Extending the company's power range to 66 kW, the new power units provide a power-to-weight ratio combined with low fuel consumption. They also meet all known and expected regulations on noise and exhaust emissions.

The new engines are the 24 kW DI 105T and 31.3 kW V1505T that are based on existing Kubota engines and the V2003T, F2503T and V3300T, developing 42, 52 and 66 kW respectively, that are totally new.

Kubota reports that the updated DI 105T and V1505T benefit from an additional 25 percent power over the naturally aspirated versions. The three new engines are among the most powerful in the Kubota range. The V3300T, is also the first Kubota engine to feature three valves per cylinder to provide cleaner exhaust emissions. Kubota has introduced the new engines in response to grow-

ing industry demand for ever more powerful four cylinder engines. "Manufacturers of small compactors, compact wheel loaders and larger skid steer loaders are looking to make their equipment more powerful. But most designs cannot accommodate a larger five cylinder engine," says Engine Sales Manager Brian Garner.

"The new engines allow us to provide OEMs with that additional power from an engine that is equally compact."

Kubota is also meeting the growing demand for high quality replacement engines with its new remake service. It is designed to offer customers a cost effective alternative to the purchase of a new engine and provides remanufactured engines that will perform to the same level of reliability and efficiency as a new Kubota power unit. Kubota Remake uses only genuine Kubota parts and will operate through the company's existing network of 13 UK engine dealers.

For further information Tel: 0184 421 4500.

In response to demand from Greenkeepers, Tacit now produce two types of dew brush. Original in black with very soft bristles and a new green version with slightly less flexible bristles. This green version is used in the removal of debris and worm casts as well as the removal of dew. Both still fit into the Tacit Switch to provide the handle resulting in the Green-

keeper being able to easily switch the green if desired. Both brushes still retail at £48.00 each. For further details contact Tacit. Tel. 01788 568818.

An advanced synthetic turf purpose-designed for use in golf as well as other sports and leisure applications is being introduced to the market by Huxleys.

Known as Campbell Turf, the material has been developed by Tony Campbell, a former leading Irish amateur golfer and holder for 26 years of the record for the world's longest measured drive as listed in the Guinness Book of Records.

Already installed at a number of well-known golfing venues including St Andrews, The Belfry, Coombe Hill and Meon Valley, Campbell Turf is a low maintenance, high performance replacement turf system designed to bring major cost and practical benefits to those who own, manage, maintain and use golf course facilities. It is ideal for installation on all areas which are subject to wear, water-logging or damage at any time of the year including tees, practice grounds, driving ranges, paths and roadways used by golf carts and buggies.

Manufactured from highly resilient green polypropylene yarn, Campbell Turf's W-stabilised fibres are bonded to an aviation grade latex backing giving it exceptional resistance to abrasion and wear. The backing material is porous, enabling rain or irrigation water to pass through at a controlled rate, maintaining optimum surface conditions without erosion of the surface.

Drencher Fe is the unique combined Liquid Iron and Wetting Agent, new from Amenity Technology. The 25% organic wetting agent in Drencher Fe not only aids in the uptake of the iron but also provides a good level of dew control and helps to condition the soil. Drencher Fe provides a rapidly sustained green up to harden turf during winter months against frost and disease. For more information on Drencher Fe contact Amenity Technology on: Tel 0118 951 0033 Fax 0118 951 0044.



AMENITY
TECHNOLOGY

SPRAYING AIDS & ENVIRONMENTAL MONITORING

Professional Solutions for the Green Environment

Low cost pH meter 03011

Economic low cost pH probe to give an indication of soil pH.



Soil probe pH Meter 03012

High quality soil probe to give accurate pH measurement between pH's of 3.5 and 8.0 without the need for preparing soil solutions, with the added benefit of an integral moisture meter.



Electronic pH Meter 03013

Electronic pH meter for measuring pH of soil sample in solution.

Rain Gauge plus Spike 03015

Larger 50 mm/m² capacity rain gauge for monitoring water application, complete with its own mounting spike for easy re-positioning.

Moisture Smart 03016

The Moisture Smart watering gauge is a breakthrough in water management for the professional greenkeeper and private homeowner.

Knowledge of the current irrigation requirement for healthy, well watered grass provides the basis on which the user can determine when and how long to run a sprinkler system for the selected turf or landscape area. The Moisture Smart, a portable, miniature pan evaporimeter conveniently provides this information.

The Moisture Smart is simply 'planted' in the selected area. The instrument then behaves like a mechanical plant and begins accounting for evaporation, rainfall, irrigation and soil-stored moisture within that area. An easy to read scale determines how much water is required.



Standard Rain Gauge 03014

40 mm/m² capacity rain gauge for wall or post mounting. Ideal for monitoring water input from either rain or sprinklers.

WSP Sling Shot 03017

The ideal applicator for WSP dispersal into lakes.

Digital pH Meter 03018

Easily used electronic pH meter for measuring pH of lakes and irrigation water.

Water Thermometer (Float) 03019

Floating thermometer for measuring temperature of lakes.



Brass Soil Probe 03022

Top quality soil probe (max. depth 200 mm.)



Standard Minimum/Maximum 03023

Wall mounted min./max. thermometer for recording extremes of temperature.

Pocket Soil Thermometer 03020

Digital pocket size probe for measuring soil temperature. As supplied with the Meterite kit.

Economy Soil Probe 03021

Heavy duty probe for testing soil temperature in root zone (max. depth 130 mm.) As supplied with the Meterite kit.

Digital Minimum/Maximum 03024

Electronic min./max. with dual display and remote sensor. As supplied with the Meterite kit.

Large Wall Thermometer 03025

Large display thermometer. Limits -40 to +60°C.

Meterite Kit 03010

Fitted carry case containing:

- Low cost pH meter
- Digital min./max. thermometer
- Economy soil thermometer probe
- Pocket soil thermometer



Weather Station 03026

Complete weather station panel. Stainless steel case contains Hydrometer, Barometer and Thermometer.



Aneroid Barometer 03027

Monitor changing weather conditions by variations in air pressure.

Dial Hydrometer 03028

Use to monitor relative humidity and moisture content in the atmosphere.

Wind Wizard 03029

Top quality wind speed meter, for judging suitable spraying conditions.



DEFINE™ Drift Control

With the current environmental concerns, it is especially important to keep fertiliser and pesticide sprays under control. Define™ drift control additive ensures the accurate spraying these requirements demand.

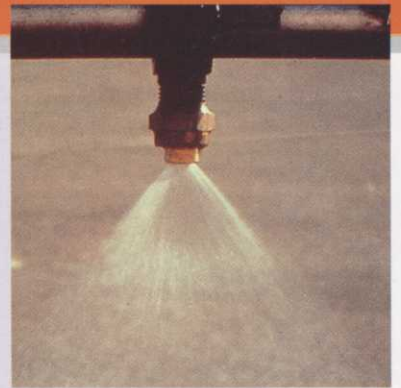
The uniform size of the spray droplet produced by Define™ promotes consistency in application, and also reduces drift prone particles and spray evaporation. This saves wastage on material costs and avoids potential problems from chemical trespass. Because of its unique formulation, Define™ maintains the same high level of drift reduction throughout the entire application.

Unlike some other drift control products, the performance of Define™ is unaffected by the constant pounding and shearing that occurs as the spray solution is continually forced through pumps, screens and nozzles. In addition, Define™ disperses much faster into spray solutions than other drift control products.

Define™ should be applied at 120g. per 100 lts. of spray solution, so for this reason we have pre-packed Define™ in two convenient sizes.

1. Define™ WSP (120g.) - 6 WSP per case - each WSP will treat 100 lts.
2. Define™ DF (Dry Flow) 360g. Foil packs - 6 foil packs per case - each foil pack will treat 300 lts. of water.

WSPs are ideal for small tanks/mixers as no measurement is required. The WSP is simply added to the solution and will dissolve completely. Foil packs are better for large tanks (300 lts.) where one pack can be opened and added (not water soluble).



BOUTMARKER™ Foam Concentrate

Specifically designed for use with conventional foam marking systems, this long lasting formula will not stain turf or equipment. Bout Marker will remain on the surface long enough for it to be clearly seen on the return pass. The foam has been tested under tough weather conditions to ensure its effectiveness in all spraying environments. Boutmarker concentrate is bio-degradable.

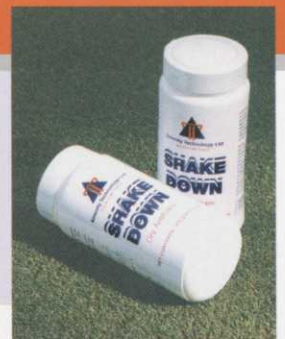
Available in 1 lt. containers.



SHAKEDOWN™ Dry Antifoam

Even spray application with reduced filling and mixing time is assured with the elimination of unwanted foaming in spray tanks caused by agitation. Shake Down is a silicone based formulation which quickly eliminates foam on contact. Shake Down is completely innocuous to chemicals and will not clog spray nozzles.

Available in cases of 6 x 226g.



NEUTRALIZE™ Spray Tank Cleaner

A special chemical possessing a powerful cleaning ability, Neutralize™ will directly attack pesticide or herbicide particles that remain in the tank when changing chemicals. Tank Cleaner enables the user to quickly clean the tank and start a new application with the same tank. Tank Cleaner eliminates potential damage to crops from cross-contamination. Ideal for large tanks or backpack sprayers.



Around the Green

Keeping in touch with news and comment
from the regions

SCOTTISH REGION

Peter Boyd

Tel/Fax: 0141 616 3440

The Scottish Region

once again offers members a subsidised package deal for BTME 1998.

The package includes, coach to Harrogate, entry to all seminars and exhibition, three nights bed and breakfast in en suite twin rooms in the Cairn Hotel on January 20, 21 and 22. Package cost £135.

Partners are welcome at a cost of £100 for travel and accommodation.

For booking form call or fax Peter Boyd, Scottish Regional Administrator, 10 Meadowburn Avenue, Newton Mearns, Glasgow, G77 6TA. Tel: 0141 616 3440

North

Only one new member to report this month, but a few on the move. Gilbert Steven, Head Greenkeeper at Cullen, joins the Section while on the move we have Alick Mackay leaving the North to take up a position of Head Greenkeeper at Woodhall Spa and Robert Patterson leaves Royal Dornoch to become Head man at Royal Aberdeen. Gordon Leslie moves up to Head man at Duff House Royal. At the time of writing vacancies at Murcar and Golspie have still to be filled as the chain reaction of job movements in the area continues, watch this space. We wish all success in their new posts.

Sadly I have to report the loss of one of our members - Tom Simpson, formerly of Murrayshall, passed away recently. Tom was a regular at Section outings and had only retired a year or so ago. Our feelings go out to his family at this time.

The Hayter Competition has been replaced by the Ritefeed Competition from 1998 and the Section qualifiers are as follows:- Class 1 - Scott Williams, Peterculter; John Taylor, Forres; Michael Keay and Phillip Don, both Kemnay; Class 2 - David Marnoch, Peterculter; Gordon Mckie, St Andrews; Sean Jaffrey, Ellon;



John Morton, Alford; Class 3 - George Aitken and Hugh Mclatchie, Peterhead; George Asher, Kemnay; Dougal Duguid, Westhill.

Anyone still thinking about going to Harrogate on the Region bus should get in touch with Regional Administrator Peter Boyd on 0141 616 3440 as soon as possible as time is running out. You won't regret it as the trip is really worthwhile and very reasonably priced at £135 for bus, three nights B&B and entry to all seminars.

Dates for your 1998 diary - August 3, 4 and 5 when the BIGGA National Tournament will be on in our Section at Letham Grange GC.

Last, but not least, I wish all a Happy Christmas and hope 1998 brings you all you wish for and more.

Iain Macleod

West

Christmas is nearly upon us - will the weather be kind? So far yes, but what is looming round the corner? As usual the construction and drainage work is underway so everybody will be busy, busy and looking forward to a good festive season. By the time this reaches you the AGM come games night at the Claremont Bowling Club will be over as will the annual dinner. Hopefully everything will have run smoothly on the night, there will be a report next month to confirm.

BTME - remember all those wishing to go should contact the new Regional Administrator, Peter Boyd. I hope to see a lot of you there.

What's happened and what's going to happen - firstly, the Autumn outing to Hilton Park. A super day although a very poor turn out with only 40 taking part mainly due to the time of year with people being busy coring and topdressing. The Section wish to thank John Robertson and his staff for an excellent venue which was thoroughly enjoyable. Please extend our thanks to the committee members and the catering staff for their hospitality and consideration. The results were:-

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High potash, phosphate-free
turf hardener



Greenmaster® Double K is a unique, phosphate-free, fine turf fertilizer with a novel two-to-one potash to nitrogen ratio for improved growth and enhanced disease and wear resistance on greens where potash is low but phosphate is not recommended.

- Satisfies latest recommendations for high potash inputs.
- Provides 42kg/ha potash but only 21kg/ha nitrogen when applied at 30g/m².
- Overcomes potash deficiency, controls soft growth and helps turf resist disease.
- Phosphate-free formulation limits P build-up and *Poa annua* establishment.
- Low nitrogen application allows use throughout the year.
- Ideal alternative autumn treatment where phosphate levels are adequate.

Greenmaster Double K
7-0-14 + 4% Fe

ALTOGETHER AN UNBEATABLE COMBINATION



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Around the Green



Scratch - J. Steadward, Douglas Park, 76; Division 1 - 1. G. Kerr, Gleddoch House, 78-9-69; 2. C. Goodall, Balmore, 77-4-73; 3. A. Bulloch, Ferenze, 78-4-74; Division 2 - 1. S. Brawley, EK, 86-16-70; 2. G. Shearer, Balmore, 88-13-75; 3. M. Corey, Balmore, 93-17-76; Division 3 - 1. D. Mowatt, Kelly, 90-20-70; 2. C. Fulton, Douglas Park, 99-28-71; 3. C. George, Lenzie, 99-20-79; Trade - D. Duthie, Aitken, 80-5-75; Visitors - P. Boyd, 74-3-71; Apprentice - S. McKittrick, Kirkhill, 90-9-81.

New members to the Section are:- Stephen Ramsey, Langside College; Donald Clark, Loch Lomond; Barry McCulloch, Langside College, and Stephen Nichol, Whitecraigs. As I keep saying to all new members I hope to see them at future events but very seldom do we hear from them, lets hope in future all will attend.

A question to all members. Are we, the Section Committee, doing enough to satisfy your needs? If not, how can we help. Write to me at Glasgow GC or contact the Secretary. At all the events the same core of 50 or 60 members attend so where are all the rest, please can we see some more faces.

A fixture card will once again be issued stating events with hopefully some more firm dates.

A football match, North of the River against South will be arranged so please come along. Details from Brian Hilton, Drumpellier GC, team manager for the football.

Finally we welcome back to the fold Steven Hogg, Scottish Grass, and Alistair Connell. Best wishes in your new chosen careers.

Can I take this opportunity to thank all members for their support and wish them seasons greetings.

Stuart Taylor

Central

The AGM at Kinross GC on October 29 proved to be a very con-

structive meeting, with numerous ideas being put forward as to how we can attract new members, encourage more members to participate in events and how to improve communications between each other. (I won't tell you how many attended the meeting so that any of you who didn't will think you were the only one who missed! How's that for communication?)

Regional Administrator, Peter Boyd, attended the meeting and gave us an up to date report on how he has settled into his post since taking over from Elliott and I have no doubt that he will not take long to stamp his mark on the continuing success of the Scottish Region. If CG reads this I will be getting a letter from him for using the "R" word! Honestly Cecil, I agree with you!

Your Committee for 1998 is:- Chairman - Archie Dunn, Auchterarder GC; Vice Chairman - Andy O'Hara, Leven Links; Secretary - John Crawford, Stirling GC; Committee - John Bashford, Kinross; Elliott Small, Tulliallan GC; Stuart Sime, Leven Links; Ian Ross, The Dukes Course.

The golf competition prior to the AGM was won by Stuart Sime (he of Leven Links Sporting Club fame) with John McPhail, from Crieff, runner-up. There is a rumour circulating that a special cabinet is being constructed in the sheds of Leven to hold all the trophies won by the greenstaff. I'm beginning to wonder if they only work part-time at Leven as they find so much time to play golf/football/cricket/go-karting etc etc.

It's just a pity that we don't have more members like Andy and Stuart in the Section as they

find time to serve on the Committee, support all our events and they even take all the ribbing in good fun (so far anyway)!

Men on the move - Robbie MacMillan has moved from Balbirnie Park, Markinch, (where he worked with his Dad, Ian) to Thornton GC. Clark Birnie moved from Dunfermline GC, Crossford, to Bonnybridge GC and Rod Hensby moved from Tulliallan GC, Kincardine, to Lanhydrock GC, in Cornwall. We wish them every success in their respective new appointments.

Well, that's nearly another year over and on behalf of your Committee I would like to say a big THANK YOU to everyone who has supported us in '97, especially the Scottish Patrons and the golf clubs who have given us the courtesy of their courses and facilities for numerous events throughout the year.

Here's wishing you all the best in '98.

John Crawford

East

Since last month we have had our Section AGM at Swanston GC. I would like to thank our sponsor for the day Mike Dooner, Thorn-tree Landscapes, who provided the speaker. John McLauchlan gave a short lecture on "The use of humates and micro organisms in fine turf" which was a very interesting subject on which some good questions were raised. We also thank Mike for providing us with a nice buffet lunch. So thanks, Mike, for a good day.

I would also like to take the opportunity to thank Swanston GC for the use of the clubhouse and facilities and also to Dave and Irene, the Club Steward and Stewardess for keeping us fed and watered for the day. Again I have to report a very small turnout for our AGM this year. There were only about 20 people in attendance which out of 170 + members is very poor. If anyone knows the reason please let us know. You

can call any committee member if you have any comments. The committee remains the same as last year with the exception of Stuart Cruickshank, Deer Park, who was co-opted last year and was voted on a full member of the committee. Welcome Stuart, we hope you have an enjoyable time in your position as the Education Officer for the East Section.

There is not much to write about the AGM as it was quiet as usual. David Roy, Linlithgow, handed out two forms which he had produced with aims and objectives for the Section and a questionnaire about what you would like to see going on in the Section. These were welcomed with enthusiasm by the Committee and members that were in attendance. Copies will be sent out to each member soon so when you receive it fill it in and send it back as soon as possible then the Committee can act on any of the comments you make.

Now on to a different note, it was good to see Tom Murray, Ratho Park, as a nomination for the Toro Excellence in Greenkeeping Award. Tom tells me he had a great weekend in Harrogate at the finals where he met all the other finalists and had a thoroughly enjoyable time. Well done Tom from everyone in the Section and also the other Scottish Sections.

By the time you read this the annual dance will have taken place so I will report next month and hopefully some pictures as well so anybody on the dance floor beware! The evidence will be shown!

If anyone is attending the Scottish Region trip to BTME return your forms as soon as possible as the closing date is December 15, so we hope to see you all there. I shall be attending the Patron's Dinner in December so I will be reporting on this next month along with photographs of this event.

At Scotsturf Mike Dooner, in conjunction with Sharpe's Grass



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