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## WINDSO

#### **Review of the Groundman's S**

This September event, blessed with three fine Autumn days, was the eighth time the Exhibition has been staged on the Windsor Race Course, its home since Motspur Park and those early days at the Hurlingham Club, fifty years ago.

Even when the Exhibition moved to the London University sports ground at Motspur Park in 1966, there can have been few who would have predicted such a rapid growth in outdoor leisure that the organisers would be forced to seek an even larger site, settling on the race course at Royal Windsor in 1988.

There will be just one more exhibition at Windsor, then the show is on the road once more, this time in a somewhat contentious move to the East of England Showground at Peterborough, though after the traffic chaos experienced this year some of the opposition must be quelled.

More stands, over 400, plus an expanded demonstration area made this 43rd staging of the Show one of the best and a bouquet must be given to the organisers for sorting out the problems of recent years, particularly a greatly improved access across a footbridge into the NE corner of the Show Ground.

The brickbat goes to the Windsor Police, who, from the experience of previous years, were well aware of the numbers arriving by car and coach from all parts of the country, but appeared to be completely unable to organise a free flow of vehicles into the car parks.

On the second day traffic was queuing on the M4, more than five miles from the race course shortly before 10.00 a.m. The reason was a ten yard stretch of single lane on a mini-roundabout, combined with an entry system which involved turning right against the flow of through traffic.

There was no obvious traffic control except outside the car park entrances, creating unbelievable chaos at the flyover roundabout as traffic merged with other vehicles not connected with the exhibition.

The Windsor site is difficult and this is known to everyone, hence the forthcoming move to Peterborough. With one more exhibition on the race course it is to be hoped the police will take a long hard look at their routings for next year and if necessary divert through traffic so visitors will not be forced to abandon their journey as many were on the second day.

Although there has been considerable criticism of the IOG's decision to move the Show to Peterborough, bookings in advance tend to show it will be supported by the turfgrass industry at least to the level it has been at Windsor.

Visitors, most of whom arrive by car and coach, will find little evidence of the hold-ups caused by the overloaded roads in the south. The civilised world does not end at Watford as many in the Home Counties believe, and there is the further advantage of attracting visitors from the Midlands and the North who in the past have spent longer on the road than they have at the Exhibition.

Arrangements are already in hand to make use of accommodation in the University at Cambridge. Hotels of a high standard abound around Peterborough, Huntingdon and Stamford and visitors from abroad will still make the journey if the show provides the interests and equipment that has given previous events an international reputation.

\* \* \*

So what was new this year? The award for the best new product, went to Ciba-Geigy for their Transformer Spraying System. A remarkable achievement as the British



The Transformer Sprayer is lightweight and very easy to

end of this multi-national company were making their first appearance at the IOG Show since Motspur Park and this year's booking was a last minute decision because clearance for the primary chemical product used with the sprayer was only obtained in August.

Gardoprima A is a powerful forestry herbicide, designed to keep down weeds around the base of young trees without harming the sapling. Most conifers are not affected by the herbicide and it is also safe to use around Ash, Beech, Oak and Sycamore. It is certainly a product greenkeepers should look at if they are attempting to establish a large plantation of trees in areas of rough.

\* \* \*

The product that probably experienced the greatest growth in sales in 1987 was the chain saw. Never has so much timber, had to be sawn up so quickly, in such a short time.

With this renewed interest in the mechanical saw, Husqvarna, part of the Elec-



The new Husqvarna 42 chain saw. Features a powerful 42cc engine, inertia activated chain break, chain catcher, rear hand guard, and a safety throttle lock. Competitively priced at £245.00 + VAT (13" bar).

# R SHOW

#### Sports and Leisure Exhibition

trolux Group, launched a new lightweight 42cc engined chain saw aimed at the semiprofessional, farmer, greenkeeper, ideal for tree pruning or the less major jobs of tree felling.

The turf growers were in evidence this year with stands by Rolawn, Inturf, Turfland and H. R. Fell. Rolawn and Fell were both offering a guaranteed annual meadow-grass free turf for golf and bowling greens. The fescue/bent composition from H. R. Fell, a South Humberside Company, is grown on sand to complement sand based green constructions.

Rolawn, based at York, but with growing grounds in various parts of the country, were showing two new specialist grades of turf.

"Washed Rolawn", developed for use on all sand constructions and their new greens turf guaranteed poa annua free.

Queens Park Rangers used "Washed Rolawn" when their synthetic pitch was taken up in June. By mid-August it was ready for play.

The poa free turf from Rolawn, shown for the first time at Windsor, is to be launched next spring when adequate stocks are available. It is grown from two new fescue and bent cultivars, with a chemical resistance to allow spraying to remove other grasses and weeds.

The two varieties, *Countess Chewings Fescue* and *Duchess Agrostis Tenuis* have been bred by Queens University, Belfast from a research programme sponsored by British Seed Houses.

BSH have contracted with Rolawn to give them exclu-



SISIS PARCAR

sive rights to produce turf from these two new fine grass varieties.

\* \* \*

SIS!S always offer a friendly welcome to their customers and this year was no exception. A number of improvements and alterations have been made to the range, but the additional item that caught the eye was the golf buggy.

Surely this must be a pointer of things to come! It is manufactured in the USA, functional, without frills and sells at a fiver below £3,000. Should you wish to dispense with the over canopy and the windshield and experience golf as the bag carriers do, completely exposed to the elements, then knock off £210!

The new SISIS Hydromain Twin Twenty-Five has been developed to incorporate front and rear hydraulic linkages and power-take-off. The existing range of well proven Hydromain Implements and attachments can all be satisfactorily operated without modification.

The wheel-driven Hydromain sweeper has satisfied demand for a unit of this type for a number of years. This new pto driven version, with 50% greater effective hopper capacity will do all the same work and more besides. Even damp materials and tine cores are collected and packed to the back of the hopper to fully occupy the available space more efficiently than ever before . . . and still, emptying is done without the driver leaving his seat.

The trend to more frequent coring of fine turf areas is once again gaining momentum and the number of imported machines, of many types and sizes, for this type of work, is growing. Many greenkeepers and groundsmen have previously been happy to carry out their programme with walk-behind machines, but sometimes there is a need to speed up the process.

The pto driven Varicore has been introduced to give a wider selection of depths and hole spacings. You can select a variety of hole patterns with depth of penetration variable down to 4".

Wheel driven SISIS Top-Dressing machines have been used in the Hydromain System for many years, applying a wide variety of materials. The new pto driven fullymounted unit, with a new drive mechanism, is even more versatile, in its handling of differing dressings, from pure sand to loam mixtures of various densities.

The takeover by F. W. McConnel of Dabro International announced a few days before the start of the Exhibition brings together two companies likely to have consid-



The new McConnel Dabro Interchangeable Ground Support System, consists of an Outfield Slitter, Green Slitter and Corer. All the implements slip easily in and out of the common frame.

### **EXCLUSIVE READER OFFER**

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RAIN-O-MATIC is an accurate scientific instrument for measuring rainfall.

It is an electronic, frost proof, self emptying rain gauge of Danish manufacture, tested extensively by the Danish Agricultural Laboratory, easily mounted and needing no maintenance.



The accompanying SOIL THERMOMETER is an essential instrument for any Greenkeeper needing to know the below ground level temperature before seeding, fertilising, applying chemicals or explaining to the Greens' Committee why the grass is not growing!

3

This highly accurate electronic readout instrument also comes from the makers of RAIN-O-MATIC.



The amount of rain that falls can be read every day, overnight, by the week or any period decided. There is no need for allowances for evaporation during warm weather, as the RAIN-O-MATIC records rainfall by the millimetre and then discharges automatically without any attention by the user.

An essential instrument for the Greenkeeper needing to monitor rainfall on the golf course, so sprinkler systems can be adjusted to suit the needs of the greens.

The RAIN-O-MATIC is offered exclusively to readers of GOLF GREENKEEPING at a very advantageous price, direct from the importer of this excellent piece of equipment.

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uses power only when the user calls up the digital reading on the display screen.

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# WINDSOR SF

erable impact on the amenity turf market as a joint force.

There are some sound, solid and useful pieces of turf maintenance equipment in the Dabro range and with McConnel's marketing strengths the combined range should sell well.

\* \* \*

Ransomes new TURFTRAK System, exhibited for the first time outside North America, incorporates 2 and 4 wheel drive power units, with a wide range of front mounted attachments. As the TURFTRAK System can be used in many applications, the power units can be used during much of the year.

In addition to a hydraulically operated triple cylinder mower, front mounted attachments also include a choice of rotaries, an aerator, dozer blades and rotary brush which are power angled, as well as power and snow blowers, scoop and bunker blades, amongst others.

Powered by a 16.5 hp Kubota diesel engine the TURFTRAK 2, besides being a good performer on slopes, is also very maneouvrable. It has a low centre of gravity, an adjustable traction booster for transferring weight from the attachment and a differential lock for use when the going gets tough.

The hydrostatic drive, controlled by a single foot pedal, together with power steering and individual drive wheel brakes, say Ransomes, make the TURFTRAK 2 very maneouvrable. Without using the wheel brakes it has an inside turning radius of 35cm (14in).

Although seated comfortably low to the ground, the operator has a good view of the attachments in work and the controls close to hand.

The two-point quick hitch allows the front mounted attachments to be connected to the power units in 3 minutes or less by one person and without the use of tools.

\* \* 1

Fertiliser and agro-chemical company, Lancashire based, Rigby Taylor Ltd. also used the venue of the Windsor Show to announce major changes within the company, merging the separate Rigby Taylor Companies in the South and the Midlands with the headquarters at Bolton.

This will not affect customers as the depots and distribution network will continue to operate under regional management. Board



Ransomes new 16.5hp Kubota diesel engined TURFTRAK 2 power unit pictured at work with a front mounted rotary mower. The TURFTRAK 2 has an adjustable traction booster for transferring weight from the attachment.



Jacobsen's Tri-King 1671D Diesel power and hydraulic reel drive on Jacobsen's new Tri-King 1671D maximizes mowing performance while minimizing maintenance requirements. The liquid-cooled diesel engine operates efficiently in demanding conditions, and offers longer life and greater fuel efficiency than air-cooled gasoline engines.

changes involve elevation for Jon Ryan and David Morgan together with Richard Elliott who takes the position of National Sales Director. Keith Dickinson, Sales Director in the North is to take an early retirement, after 24 years with the company.

Never has there been such a coming together of companies as was seen this year.

Rigby Taylor and Alginure announced their engagement and Alginure will in future supply exclusively to Rigby Taylor. This will give a seaweed based soil conditioner to the range.

A new range of organic liquid products is also about to be launched under the Mascot label. Three fertilisers are currently available, more are likely to follow.

The first an organic liquid is basically cow manure, though it was empahsized the dung did come from the best attested Friesian herds. It was logical, the best milk producers produced the best by-products!

Liquid Green contains iron to promote a rapid green-up effect, essential for those greenkeepers about to have their courses featured on television. Mascot Liquid Cocktail is a mixture of cow manure with seaweed said to provide additional food to stimulate bacterial and microbial activity together with a high proportion of essential solids polysacharides. (That was straight off the press handout and I am as wise about its meaning as you probably are, though I once grew the finest crop of potatoes you have ever seen by mixing seaweed into the dung heap. Ed.).

Iseki Tractors had the complete range of new tractors on show following their introduction during their greenkeep-

ers' golf tournament final at St. Pierre in August.

The new range Iseki TU Series is additional to their successful TX range and comprises 3 four wheel drive models from 19 horsepower to 27 DIN horsepower, all of them containing new practical features and showing both a dramatic design and, for the first time, a flat floor deck for excellent operator comfort.

The smallest of the range, the 19 horsepower TU 318, utilizes a new Iseki power-



plant of 1006cc, a 3 cylinder diesel engine, and has a transmission of 6 forward, 2 reverse manual of the option of hydrostatic drive with 3 speed ranges.

Power steering is standard on the new Iseki TU series whilst range and gears on the machine are situated to the right and left hand of the operator, along with PTO engagement and operation of the hydraulic valves.

Iseki have also incorporated splash guards around the footwell to stop water and debris from entering the operator area.

Options include a futuristic design of operator cab.

Moving up the scale is the 22 horsepower TU 320, again with a new Iseki 3 cylinder powerplant of 1170cc and with either a 6 forward 2 reverse manual transmission or 3 speed hydrostatic drive.

As with its smaller brother the TU 320 has a wheelbase of 1.58m and, with the new front axle incorporating four wheel drive, is exceptionally manoeuvrable with a turning circle of 2.5 metres using the wet disc brakes.

The largest machine in the Iseki TU range is the TU 324 with its 1296cc four cylinder diesel engine producing 27 horsepower.

The new Iseki TU range, with its three new models and

hydrostatic and manual transmission variants, are just the first of a number of new tractors from Iseki.

They mark an important step forward for Iseki UK with a number of new and existing features like a flat floor deck, smaller turning circle, better lift capacity and excellent serviceability.

Speaking at the launch of the new Iseki TU series Mr. John Hawkins, Iseki's managing director, commented "Since the formation of Iseki UK two and a half years ago, we have steadily increased our sales of compact tractors with the Iseki TX 2160 series now the best seller in its class. With the addition of the new TU series we have a new tractor that is undoubtedly going to set standards in design and features for the future. There is no doubt in our minds that the TU series is not just a new dimension but the start of a new generation in compact tractor development. It's an exceptionally exciting and adaptable range for Iseki".

Visitors to the stand could also see a video of the St. Pierre Tournament final. Exposure to the camera can be quite traumatic as some competitors discovered when they saw their golf swing.



A stepthru deck of the Iseki TU Tractor gives the driver a much more relaxed place to operate.

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The European Turf Management Exhibition, The Harrogate International Exhibition Centre Open 10am-6pm daily Wed 18th, Thurs 19th and Fri 20th January 1989.



# A guide to artificial tees

The approach of winter, with its resultant wear to tees, already suffering from thousands of rounds of golf during the season, prompts thoughts of how much more surface damage is likely to occur, before spring heralds a new growing season.

Although artificial surfaces and particularly mats are not liked by winter golfers, the research and development conducted in recent years is now making available, teeing areas more akin to natural grass as a playing surface.

Polypropylene fibre is the principle material used to construct the artificial tee-ground surfaces, some designed to be moved around to suit the site or weather conditions, others laid permanently on a sand or concrete base.

The advances made in the manufacture of artificial fibres give them not only a hard wearing characteristic, but they are considerably more comparable to a natural grass surface both to stand on, whilst playing a tee shot and to hit the ball.

A complaint in recent years has been the tendency for tee pegs, particularly the plastic variety, to break off in the holes specially provided, leaving the following golfers nowhere to place the peg. New mats on the market are now overcoming this problem.

Mud from the adjoining fairways can be brushed off these surfaces or they can be hosed down.

If an artificial surface is to be installed, ensure that the teeing area is large enough to accommodate the expected traffic. It is a false economy to put down a postage stamp tee, so the golfer not only feels cramped playing off the surface, but metal studs will wear the mat in the same place, creating holes, which can be potentially dangerous.

A list of companies supplying artificial tee surfaces is shown at the end of this feature. They all supply brochures with prices. It is up to the reader to choose the best to suit the need.



#### **ARTIFICIAL TEE SUPPLIERS**

CARPETITION LTD 6 Kaffir Road, Egerton, Huddersfield, W Yorks HD2 2AN 0484 28777 John Ward

CHIPMAN LTD The Goods Yard, Horsham, W Sussex RH12 2NR 0403 60341 M R de Ath

CLUB SURFACES LTD The Barn, Bisham Grange, Marlow, Bucks SL7 1RS 06284 5969 K McGuinness

GASKELL & COMPANY (Bacup) P.O. Box 10 Lee Mill, Bacup, Lancs OL3 0DJ 0706 878787 Sylvia Elsworth

'LEISURE K' Ingleside, Church Road, Mannings Heath, Horsham, Sussex 0403 68500 David Knight

NOTTS SPORTS LTD Launde House, Harborough Road, Oadby, Leics LE2 4LE 0533 716027 Shaun Patrick

SAKER LEISURE LTD Unit 42, Weston Industrial Estate, Honeybourne, Evesham, Worcs WR11 5QB 0386 841380 Stephanie Mitchell 'T' Master is constructed of bonded polypropylene on a base tile of self draining crum rubber.

A new synthetic golf tee mat, called 'T' Master has been developed by Gaskell & Company of Oswaldtwistle, Lancashire. The mat provides the ideal driving surface in all weather conditions, throughout the year, completely eliminating problems of divot scars left by earlier golfers and grass wear.

'T' Master can be loose laid onto almost any flat level surface, or inset flush with existing grass. Pre-drilled tee-peg holes are incorporated for both left- and right-handed players or, alternatively, players can drive directly from the carpet.

The mats are made of coarse denier polypropylene fibre, specially developed for use outdoors by F Drake (Fibres) of Huddersfield. Called Gymlene ODS, the fibre has inbuilt uv stabilisers to prevent it from breaking up in sunlight, or from losing colour. The fibre is totally impregnated with synthetic latex for strength and long life. The base tile is constructed of self draining crum rubber.

'T' Master is well suited to use on busy municipal golf courses, as winter tee areas or on driving ranges. Its attractive appearance makes it suitable for use at any golf club.





Saker Leisure supply the 'Mastertee'

Fibre manufacturers, F Drake (Fibres) are part of the Readicut International Group plc and are Britain's leading polypropylene fibre manufacturer.

\* \* \*

A new type of golf mat has just landed on the market from P.N. Structures Ltd. of Piccadilly.

Already very popular on the continent, the Neolast Golf Mat claims to be both more comfortable and more durable than many of the older types of mat.

Approximately five feet square its coconut/polypropylene fibre with PU-coated woven backing is unaffected by decay, allows for the safe use of woods and is easy on the ankles and wrists.

P.N. Structures, who extended their expertise in the field of outdoor sports surfaces into golf by becoming the first company to provide a new club with all synthetic greens, is offering a special price on the Neolast Golf Mat



'Tee-path', an artificial surface for use on walkways to tees.

as part of its launching campaign.

A new company 'Leisure K' has been formed to market and distribute the golf tee products previously sold by Chipman of Horsham.

Former Chipman M.D., David Knight, set up 'LEI-SURE K' to handle 'Mastertee', 'Firstee' and 'Teepath' throughout the U.K. and Ireland.

'Mastertee' is a high quality artificial tee made from a mixture of coir (coconut) and polypropylene, woven into a dense pile carpet some 30mm thick. It can also be supplied with a resin backing to increase the strength.

'Mastertee' has been

proved to have a life of well over two years in use on golf courses and driving ranges in this country and Continental Europe.

'Firstee' is a sand-filled polypropylene carpet, in use successfully at many clubs in the U.K. 'Leisure K' will however only be offering a heavy duty material which gives some resilience underfoot and has a longer trouble-free life than the normal artificial turf product.

\* \* \*

Another product — 'Teepath' overcomes another problem.

The surrounds to many tees get trampled until they are muddy and quickly look unsightly throughout the winter. 'Teepath' is a specially designed plastic tiling supplied in sheets which keeps the approach to the tee clean and dry and will allow grass to grow through.



#### Two new books of interest to greenkeepers have landed on the Editor's desk, one strictly practical, the other pure self indulgence, but what hours of pleasure it will give.

The World Atlas of Golf, first published in 1976, was hailed as a golf collector's dream. The late Henry Longhurst said it was the most splendidly written, edited and illustrated book that had yet come his way. Tom Scott said it was a book you would love to give your dearest golfing friend and Peter Dobereiner writing in the Observer, said of the vivid descriptions of Killarney, the reading almost brings a hint of peat smoke to the nostrils.

The new edition is even bigger and better. In over 300 colour pages, lavishly illustrated, the book details the more famous golf courses in forty-three countries around the globe. Eighteen new North American courses are included in this revised edition, an updated record of events and a revised index.

Unlike many of the golf books currently on the bookshelves, The World Atlas of Golf, delves deeply into the construction, design and maintenance of golf courses. It is not a book for cursory reading, it is an in depth reference study, for a cold winter's night, in front of a warm fire.

Some of the courses mentioned have possibly been played by our readers. One, The Champions in Texas, described with great affection by Charles Price, gave a party of British Greenkeepers a magnificent welcome when they visited the Houston Convention. To recapture memories of that fabulous day last February, playing the wooded Cypress Creek course, through the pages of this book brings a lump to the throat. Edited by Pat Ward-Smith and published by Michell Beazley at £14.95, The World Atlas of Golf is an absolute must for the serious collector of classic golf books.

**BOOK REVIEW** 

#### \*\*\*

There can be few greenkeepers whose courses are devoid of water, whether it is a pond, lake or stream. Whatever form the water takes there is always the problem of keeping weeds under control.

Aquatic Weed Control, by Chris Seagrave, a lecturer in fish farming and fishery management at Sparsholt College, provides a practical guide to mechanical, chemical and biological methods of keeping weeds in check.

Species are described and illustrated for purposes of identification, recommended chemical applications are listed, not only under the name of the product, but the supplier, as well as the prescribed treatment.

There is also a chapter on grass carp, the "weed eaters". Originally from China the White Amur, as it is known in the USA, is a prolific consumer of weed.

Trials conducted by a number of Water Authorities have now allayed fears that the introduction of a foreign species would unbalance the indigenous fish population in Britain and more and more lakes and ponds are stocking the grass carp under licence from the local Water Authority.

Aquatic Weed Control, published by Fishing News Books Ltd at £12 is a reference work that should be on the shelf in every golf course manager's office.

#### Title merger to give readers a "BIGGA and BETTA" Monthly Journal.

An agreement has been reached between the publishers of Golf Greenkeeping and Park View Publications, the new publishers of The Golf Course to merge the two titles with effect from the next issue in November.

The amalgamation of the two major magazines for the golf course maintenance industry in Europe has been welcomed by both the Amenity Turfgrass Industry and the British and International Golf Greenkeepers' Association, the rapidly growing organisation representing golf course greenkeepers and course managers throughout the United Kingdom. The Golf Course, now to be published mid-month, every month throughout the year, is the official journal of the Association and will report news of the Association's activities, both from the National Headquarters at Bingley St. Ives and the various regions in Scotland, England, Ireland and Wales.

The combined magazine will be greatly increased in size, keeping readers informed not only of product developments from the turfgrass industry, but with regular features from the heart of our expanding business — the Greenkeepers, themselves. We are now emerging from a long period of stagnation as far as the building of new courses in Britain is concerned, in complete contrast to the huge growth of new golf courses in Europe, particularly France and Sweden. More land is about to be released for leisure purposes and that must lead to additional golf courses in the private sector and in turn to greater opportunities for ambitious greenkeepers, whose career prospects have been sadly stifled in Britain.

We trust our loyal readers will enjoy the expansion of the publication and the benefits it offers. The readership of Golf Greenkeeping and The Golf Course is not restricted to Britain, both publications have an international circulation, with subscribers in every country where golf is played.

Golf is a game with a spirit of friendship able to cross frontiers, political barriers, language, race, colour or creed. We hope our letters page will reflect this in future issues.

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