



The show that matters

It outgrew three sites before being established at the East of England Showground: now the IOG's 45th Sports and Leisure World Trade Exhibition, on September 3rd, 4th, 5th, promises the lot.

by BILL MILLS and DAVID WHITE

here are still a few ill-informed people who believe that the game of golf originated in the Netherlands, from whence it was exported to Scotland. A likely story!

Certainly, the game was sufficiently well established in Scotland in the 15th century to be prohibited by the authorities, on the grounds that it interfered with the practice of archery. The ban, however, was not universal because it is recorded that James IV of Scotland was at this time having his golf clubs made by a bow-maker from Perth. Perhaps he sailed across to Holland for his round?

Whatever the origins, there is no doubt that the Scots pushing out the frontiers of civilisation - took the game with them, which is why golf is now the most widely-played game in the world. However, in the rest of the UK, golf was mostly the preserve of the rich and leisured, remaining such until the great social changes which followed World War II opened the game to a much wider and enthusiast sector of the public.

It is ironic that golf was prohibited in Scotland during the 15th century because it clashed with archery practice and the defence of the realm, for some 500 years on the → 22



Two-hectare demonstration site will feature the latest in turf technology

† In the field of early **Dutch golf, and that** means early golf no matter how nationalistic Scots may jib, the ultimate authority was the noted Dutch historian Steven van Hengel. Like a good detective he proved conclusively - dismissing folklore and hearsay that golf was first played in Holland as early as 1297. The old saw about Scottish shepherds shooting pebbles into rabbit scrapes is romantic but is dismissed, again proving that this custom began in Western Germany in 1338. Well into the 17th century there was a massive export of balls from Holland to Scotland. On behalf of golf historians everywhere, your

editor rests his case.

21 ** talk now is of converting parts of some surplus Ministry of Defence training grounds into golf courses!

The Institute of Groundsmanship, or the National Association as it was then, held its first exhibition of sportsground machinery and materials in 1938. This was so successful that a second and bigger exhibition was planned for September 1939. In the event, the little fracas started by Adolph Hitler in September of that year meant that exhibition number two was not held until 1947. By then many greenkeepers and groundsmen had laid down their arms and picked up the tools of their trade once more, but it was a changed world for them as well.

Wartime research and development had produced engines, both petrol and diesel, which were more efficient and which had an improved power:size ratio. Research by ICI into increased agricultural crop yields had a spin-off in the discovery of weed-killers which were selective on either monocots or dicots. The story of DDT and the chlorinated hydro-carbons was another that emerged but has been told so often that it does not require further airing here. Suffice to say that

they were efficient products of their time and it was to be many years before the potential dangers in their use were recognised.

The study of land drainage was becoming more of a science than an art, although there was – and still is – the touch of the artist in a well-laid system. The importance of correct sands in the construction and maintenance of greens, tees and bunkers was receiving critical attention

and, all in all, a whole new world of technology was opening up.

As more new and proven products became available so also did the IOG exhibitions expand to accommodate them. This is the reason the show has outgrown three sites and is now established at the East of England Showground, Peterborough, where there is room for expansion well into the 21st Century. The 45th Sports and Leisure World Trade Exhibition, held on September 3rd, 4th and 5th, will be a

10G Show

comprehensive selection of the best (and safest) machinery, fertilisers, herbicides, pesticides, soils, sands and seeds for construction and maintenance, used by professionals.

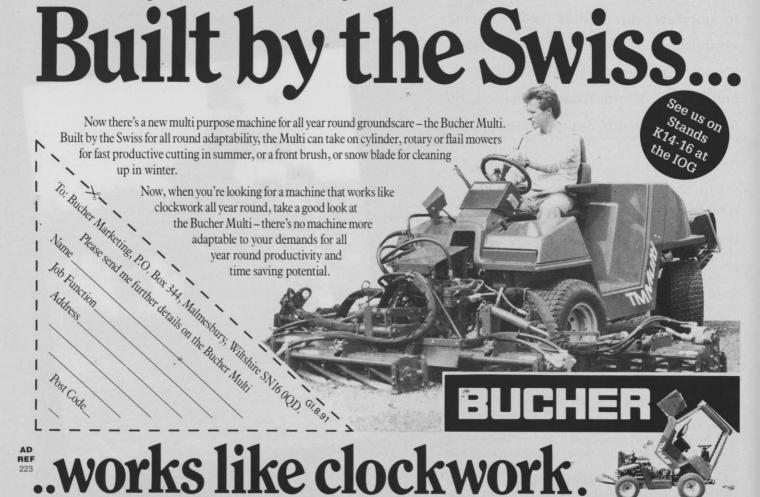
On the two-hectare demonstration site, laser-controlled trenchers and graders, a variety of earth-moving, cultivating and turf conditioning machinery, plus the latest in spraying and irrigation equipment, will be seen in continuous operation under practical working conditions.

Assembled in one area are the cream of the horticultural colleges and

advisory services, where information regarding training courses and advice on turf-related problems will be readily available.

All this, and much more, on show at what has been described as – the greatest show on turf.

 The author, Bill Mills, is a life member of the Institute of Groundsmanship and a past editor of 'The Groundsman'.



'Exciting newcomers' from Vitax

Two exciting newcomers into the VITAX SPORT AMENITY range will be shown at IOG.

Vitax Gro-Cover is a clear microperforated polythene fabric that provides an ideal protected growing environment. For grass seed establishment it gives between 4-7 days earlier germination plus greater uniformity of growth. It gives greater protection against birds, wind and washaway and enables seed germination in problem areas.

Vitax Weedblock is a highly porous landscape mulch fabric allowing maximum air and water movement to the soil, it is lightweight, easy to cut and gives dramatic reductions in site maintenance costs, eliminating herbicide maintenance treatments and reducing amounts of mulch material

Prototype marking machine unveiled After months of research, design and testing, SUPATURF PRODUCTS LTD will be unveiling their carefully guarded prototype of a new Top Line marking machine.

This will be alongside their other new additions, including the electric pump unit which can be fitted to an existing standard Top Line machine to automatically compress the air in the tank to the correct level. As more wetting agents come onto the market, Supaturf will again be challenging their effectiveness against their own Aqua-Gro.

Also shown will be a new adaptor for the Aqua-Gro Advantage, the system for applying Aqua-Gro wetting agent through a hose pipe. This fits into an applicator to facilitate a fast, secure connection to all main hose pipe fittings.

New concept for sportsturf

CAMBRIDGE ASSO-CIATES are unveiling Geoffrey Davidson's totally new concept which is of major significance for sportsturf. Dual Plane Oscillation is a technique with a number of applications: 1) Low cost sand slitting - one rapid pass of the machine cuts the slit, excavates the



Dual Plane Oscillation

soil and very tightly packs in the sand. Typical would be a width of 30mm, depth 300mm, and both can be greater or smaller. 2) Profound deep fissuring down to a depth of 450mm with horizontally oscillating wings on a vertically oscillating blade. 3) Wide warning tape simultaneously laid horizontally above deeper cable during installation by this trenchless technique.

Faster Veemo scarifier on show

SISIS will exhibit for the first time a hydraulic fully-mounted, triple version of their renowned Veemo scarifier. Close coupled to the tractor (27hp+), the fully floating units snugly follow ground contours and produce a high work rate at speeds up to 6mph - faster than comparable machines. The three 30" units produce an overall 7'6" - 24

THE SS 100... FIR

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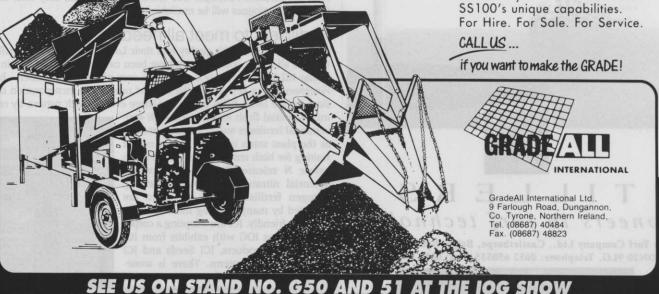
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GREEN KING

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See us on Stands H12 and 24 at the IOG The Poterborough Peterborough SKOW ON TURE



The Veemo scarifier

23 cutting width and the contra-rotating blades are quick-release and double-ended for optimum wear. A single depth setting screw on each unit gives a wide range of adjustment to remove varying degrees of thatch. Also new is the SISIS Pneumate Work Table, designed to assist in the repair of machinery, compact tractors and ATVs and capable of handling up to 1000lbs with ease. Four models will be on display.

New class of triplex Greensmower

TORO will be exhibiting an exciting and comprehensive range of commercial machinery at Peterborough this year. Including the lightweight Fairway mower with its 4WD option, the popular Reelmaster 223-D now provides additional traction for extreme fairway mowing. Toro will also introduce a new class of triplex Greensmower – the Greensmaster 3100. Lightest in its class, it offers precise power steering and superior quality cut. The highly regarded Reelmaster 216-D, now powered by diesel, offers longer life and easier maintenance and for large scale grass cutting, Toro's Reelmaster 335-D now has a choice of reels.

Quality semi-mature trees

For quality rootballed semi-mature trees, both coniferous and deciduous, **BELLWOOD NURSERIES** of Penicuik, Midlothian, suggest a call to their stands to discuss requirements. From their nurseries in the Strathmore Valley in Scotland, all sizes from budding rootstocks to semi-mature sizes are supplied and at present they have over 200 acres under production, grown to the highest standards of horticultural husbandry. Their nurseries are certified Fireblight free (Rosacass stock) and they offer export facilities. Catalogues will be available.

Fertilisers to meet all needs

ICI is synonymous with quality and their Longlife range offers fertilisers to meet all needs. The analyses have been carefully selected and in particular ICI identified early a need for a zero phosphate fertiliser – hence Finegreen NK, a key part of the fineturf range. The incorporation of the slow release Didin helps to create a more even growth pattern by reduc-

ing the initial flush experienced with conventional fertilisers and is available as soon as the plant starts to grow. It does not sit waiting for both temperature and moisture before N release. Because they reduce potential nitrate loss through leaching, nitrogen fertilisers based on Didin are regarded by many as being more environmentally friendly. ICI are adopting a corporate image at IOG with exhibits from ICI Professional Products, ICI Seeds and ICI Advanced Turf Systems. There is something of interest for all greenkeepers and we understand you may have some fun as well!



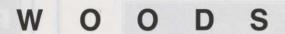
The ICI Longlife range



See us on Stand M45-60
at the IOG show

IRONS

Beaver TM708. The legendary 7-gang hydraulic mower has a huge 16ft cut to mow fairways in championship time. Fully floating 8" or fixed 10" cylinder heads, with a choice of blade configurations and rollers, follow the fairway contours to leave a superb finish.



Where the fairways stop, the Beaver T12 starts. With its 74" cut, hydrostatic transmission, low centre of gravity and 7" cylinders with 4 or 7 blade option, it's ideal for mowing around tees, surrounds, bunkers and fences.





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More irrigation innovation

WATERMATION will have on display their large and ever increasing range of sprinklers and controllers for sportsturf and landscape irrigation, with most of the equipment made in England by Watermation themselves. Always to the front when it comes to innovation in irrigation equipment, a visit to the Watermation stand (M30-31) is a must this year in order to see their new breakthrough in control, which Director Eileen Hawthorn assures us will make the greenkeeper's life very much easier, something we all applaud!

Grinding without a strip-down

ATTERTON AND ELLIS will hone in on your attention whilst demonstrating the sharpening characteristics of their machines, capable of handling all sizes of cylinders and bottom blades. The company's Express Dual cylinder grinding machine (pictured) is capable of both in-situ or plain cylinder grinding on a wide range of lawnmowers. When in-situ,

the grinding cycle takes place without the usual stripdown, as the complete mower is located centrally on the grinder and locked into place. Separate cylinder grinding may also be undertaken when busy periods are over and the mower requires a full service. Their full range will be on working display, so sharpen up and make a visit!

Cost-effective tree moving

RUSKINS, specialists in tree moving, will display two new machines; the first being 'Eager Beaver', a versatile machine that combines the function of a tree spade, forklift and crane to provide a quick, efficient service to golf courses where large areas have to be covered and access is often difficult. Second is a combination of truck, tree mover and lorry loader. trees can be lifted, rootballed, load-

ed and transported by a single operator. With these new machines Ruskins aim to offer a tree moving service that will be more efficient, practical and cost-effective than anything available hitherto.



Eager Beaver Tree Spade

Largest turf grower's local service

ROLAWN is the only national turf company with a local service providing cultivated turf in any quantity direct to the end-user from its own network of depots. Customers may collect or have turf delivered, frequently within 24 hours of ordering, and they proudly boast a virtually uninterrupted turf supply throughout the year, with most of their land now under irrigation. With production approaching 3,000 acres, they are the largest European turf grower, achieving notable success in exporting greens turf to Ireland, and have a partnership agreement with a French turf grower. Rolawn • 29

LET US GIVE YOU THE EDGE THESE CLUBS ALREADY HAVE IT! See us on covered stand one bays 25 and 26 at the 10G

- Carnoustie Golf Links
- Cawdor Golf Club
- Collingtree Leisure
- Crompton & Royton Golf Club
- Delapre Golf Complex
- Ely City Golf Club
- Gleneagles Hotel
- Goring & Streetley
- Haggs Castle Club
- Kinross (Green Hotel)
- Leek Golf Club
- Lingfield Park

- Massereene Golf Club
- Mere Golf & Country Club
- Muirfield (Gullane) Golf Club
- Ormonde Fields Golf Club
- Ponteland Golf Club
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"It is the best piece of machinery this course has ever invested in, a fine machine that I would recommend to anyone." Mr. John Bashford, Head Greenkeeper of the Green Hotel Golf Course, The Kinross Estate.

"A quality machine that gives a superb finish to our cylinders, and saves money." Mr. Derek Green, Head Greenkeeper of Royal Liverpool Golf Club.





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Quality doesn't always cost the earth





27 → sold to nearly 500 Clubs in 1990 and say that 1991 looks even better.

Clubs supplied include Ballybunion, Woburn, Fulford and Turnberry. Pictured: Rolawn turf is grown on the best sandy soil for rapid re-establishment.

Advanced Top Dressers

New from CHARTERHOUSE will be their range of advanced Top Dressers, machines that incorporate all aspects of the Charterhouse robust design and high work rate and engineered to meet every need, from light top dressing to applying 400 tonnes in one day. Built to last and perform well, Charterhouse realise that speed and reliability are of the essence in these cost effective times.

Kubota to reveal new model

The wraps come off a brand new tractor by KUBOTA for the first time at IOG, with curiosity eating at the soul of journalists denied a sneak preview. With secrecy the Kubota watchword, one can expect the new model to be something quite exceptional and our curiosity knows no bounds. Also new will be a range of mowers and grass collectors which have been developed to meet the needs of the professional greenkeeper as well as local authority markets and the landscaping industry. The existing fleet of ride-on mowers, compact tractors, generators, tillers, brushcutters and hedge trimmers will also feature, the whole promising to be a veritable Kubota jamboree.

Tillers promise superior surface

TILLERS TURF LIMITED, one of the country's leading growers of top-quality turf, supply three grades: Green King for golf greens, Lawn King for lawns and golf tees, and Arena for landscaping and soccer pitches. All Tiller turf is grown on sandy soil with excellent drainage properties. Of particular interest to the golf industry will be Fibreturf, a natural sport turf system that combines the durability and easy maintenance of artificial playing surfaces with the playability of natural turf. Already proven at Sunningdale, the

system comprises a sand rootzone, 3-4" thick and reinforced with artificial fibres, which is seeded or turfed. The result is a superior playing surface that drains freely and does not break up to produce divoting and erosion under heavy use. Maintenance can be cut by 50% or more compared with conventional sand/soil constructions.

and Sunningdale Course Manager, Lawson Bingham, discuss the merits of

Additions to Hayter Beaver range HAYTER BEAVER will be occupying one of the largest

stands, where visitors will see a number of exciting new

additions in the Hayter Beaver Livery. Secrecy is the watch-

word at IOG this year and the company's most impressive developments are still closely guarded and will not be

unveiled before the show. Following the outstanding success

of the Hayter Murray 10/30 garden tractor, the 18/46 will

be seen for the first time in the UK. This up-market machine

is fitted with a Briggs and Stratton twin cylinder I/C = 30

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29 engine and has a 46" cutting deck. Fitted with a heavy-duty five speed transaxle, the 18/46 can accommodate most grass conditions.

Mowers for professionals

ALLETT MOWERS will be exhibiting their range of commercial cylinder and rotary mowers, all solidly built, robust and designed specifically for the professional user. Of particular interest to golf Clubs is the Allett Super Shaver. This 20" greens mower is second to none and can incorporate the Allett True Roll Grooming system, consisting of a power driven revolving brush which lifts lateral runners allowing them to be cut cleanly. Fully adjustable, the brush also brushes the front roller whilst a revolving brush is also fitted to the rear roller, keeping it clean at all times

Grinding effectiveness on show

There will be no grinding to a halt if **ERIC HUNTER GRINDERS** have their way, for as established manufacturers of quality mower grinding machines, they will be demonstrating the effectiveness of their special methods of grinding reels and bedknives. Their 36" capacity Juno machine, pictured, already installed in a number of workshops, grinds 'relief' angles on each



blade, thereby cutting down 'drag' with the bedknife. Advantages include longer bedknife life, lower fuels costs, increased cutting efficiency and longer intervals between overhauls. Eric Hunter will gladly demonstrate the effectiveness of this fine machine, priced at under £4,000 for the base model.

A cure for litter, leaves and debris

TURFMECH will be exhibiting the range of heavy duty Tuff-Vac trailer vacuum machinery and high capacity tractor mounted blowers. The Tuff-Vac vacuums are the most cost-effective way of clearing large area sites of debris, swallowing litter, leaves, grass clippings, cans etc, in 5 or 8 feet suction widths and containing them in huge capacity hoppers until ready for unloading via a chain and slat floor. Also on display for the first time in the UK will be a Turfmech range of innovative modification units for Turf harvesting equipment.

End in sight for smelly ponds

Worth a special visit, especially with the interest shown in winter water storage on golf courses (see July issue), **LAKE AID SYSTEMS (EUROPE) LTD** will be showing a range of energy efficient aerator/mixers – either wind powered, electric or computer controlled combinations – which are being used with increased regularity to improve water quality in reservoirs and irrigation ponds. The day of the smelly pond is a thing of the past with the use of the unique Lake Aid Systems deep/mix capability.

Rigby Taylor's 'invaluable' new product

Never outdone, our old friends **RIGBY TAYLOR** also introduce a brand new product – IOG seems famous as a launching pad – which they claim will prove invaluable in our industry. Mascot Absorb 500, a flowable charcoal de-activator can be used on hydraulic fluid, petroleum and pesticide spills. Available in 10 litre containers, it is an assurance against spills and over-application of pesticides. Mascot Absorb 500 can be applied to turf areas that have been herbicide treated, whenever re-seeding is needed earlier than planned, and when early germination is needed Absorb 500 enhances that germination. It is also suitable for sprayer cleaning and aerates and corrects sour soil conditions. Its unique liquid formulation allows easier handling and application.

A Walkover for Allen Power Equipment

Alongside their recently acquired range of Walkover Sprayers, **ALLEN POWER EQUIPMENT** will show the complete Walkover range, together with the recently introduced 18" 218Si hover mower, powered by a 120cc Suzuki engine. These, together with Komatsu hedge and brushcutters, Allen Goblin shredders and the ever popular National range of triples, including the 60" Turf Trooper, form the mainstay. But along with the established comes yet another new item, pride of place being \$\infty\$ 31