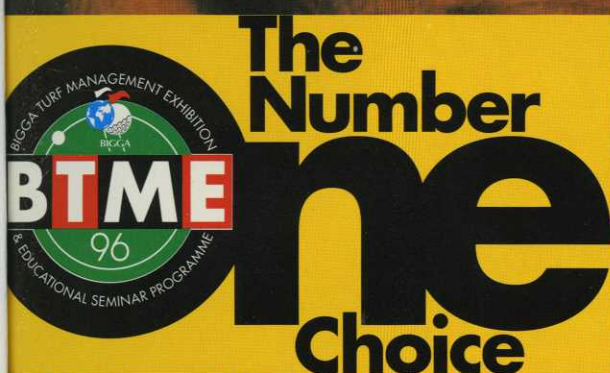


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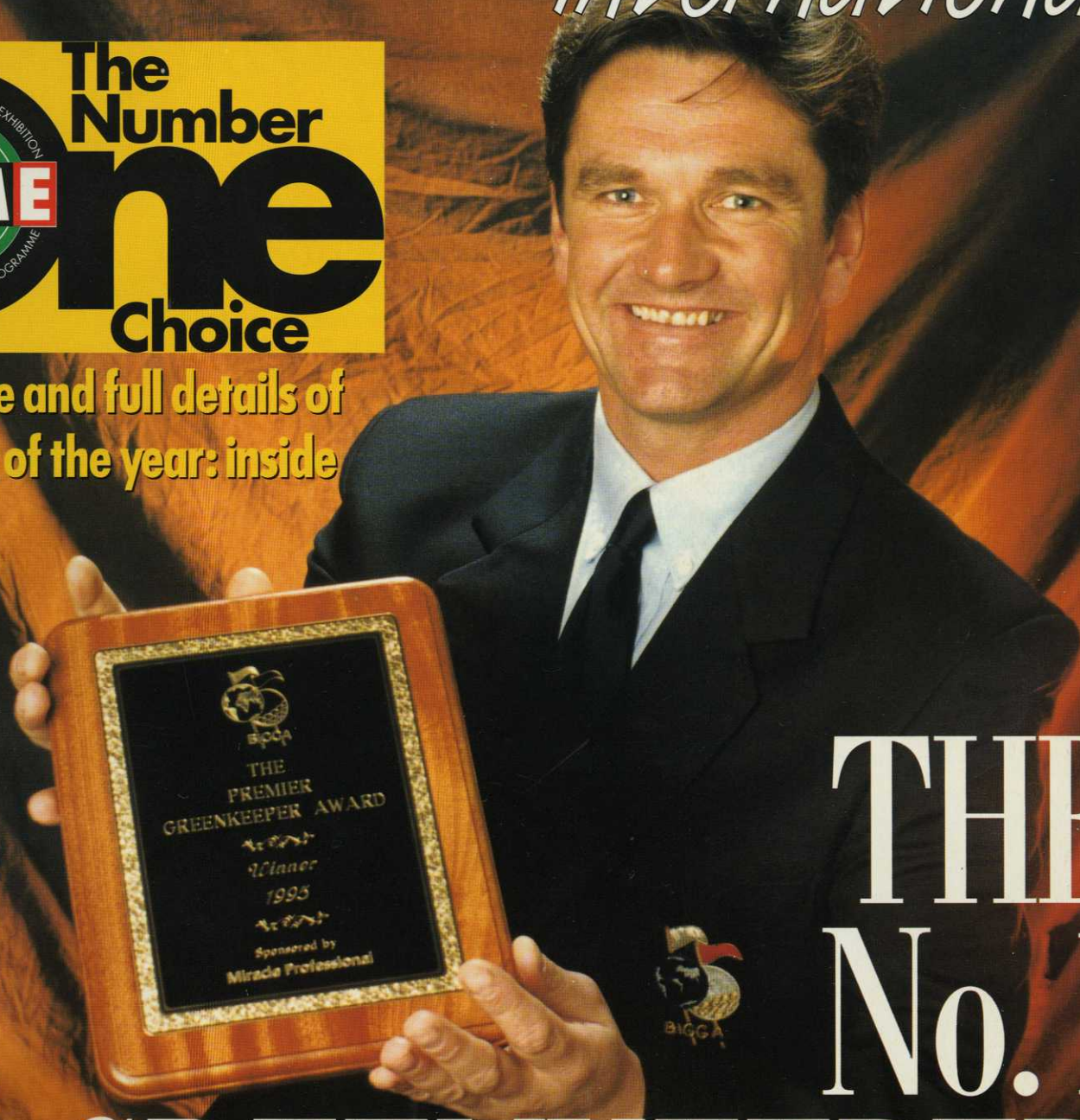
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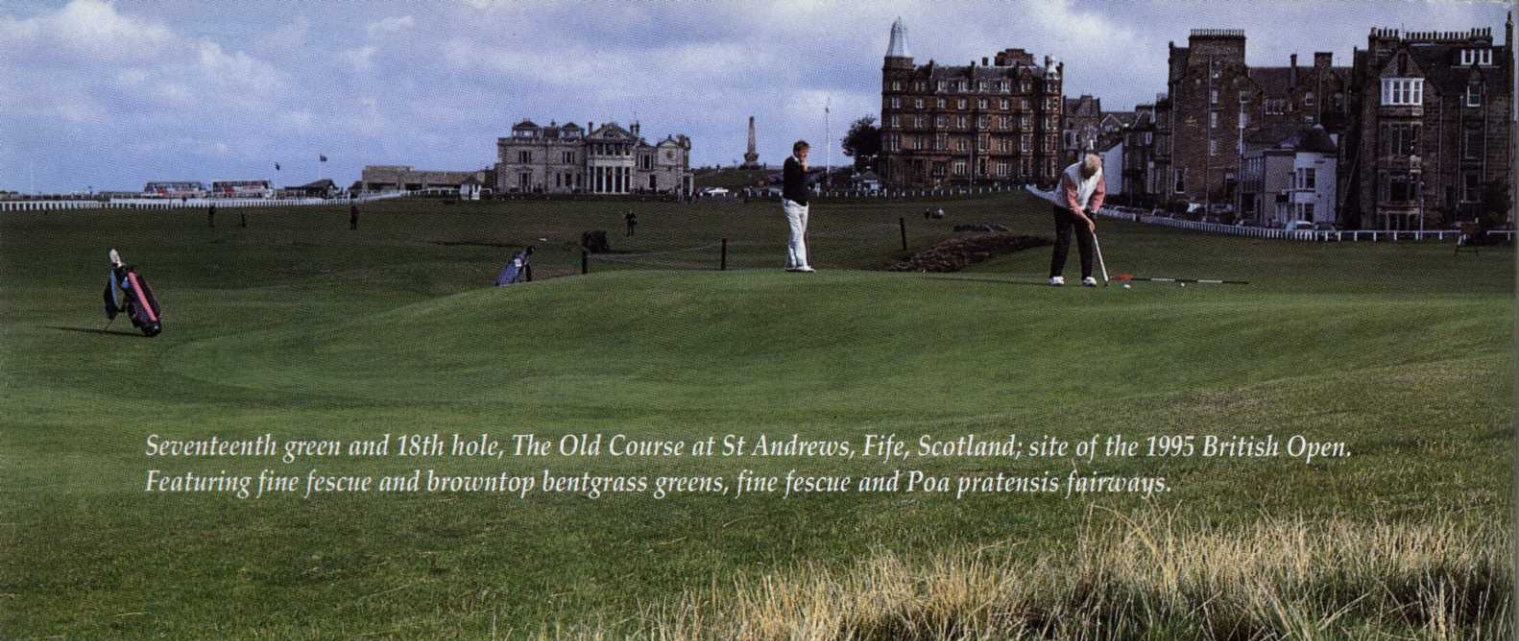


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No. 1

GREENKEEPER



Award-winning journal of the British and International Golf Greenkeepers Association



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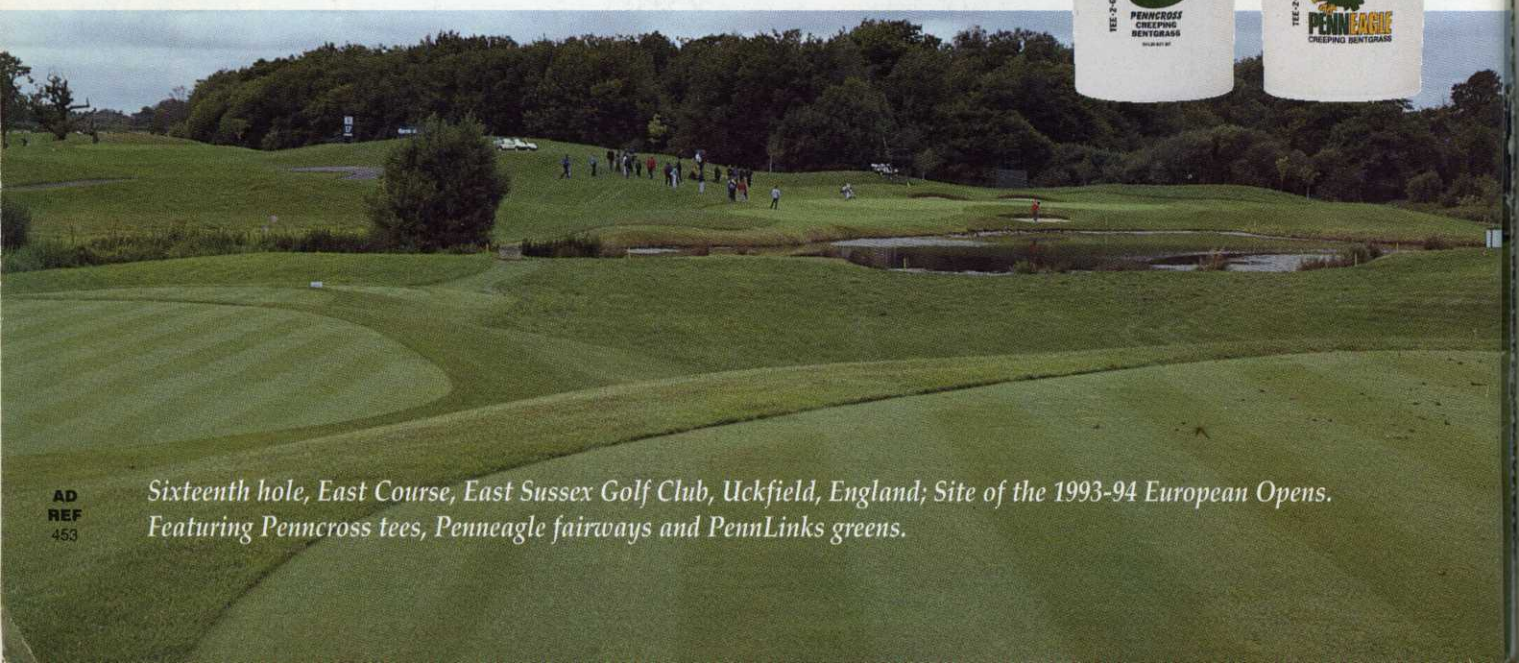
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with all the news from BTME 96!

GREENKEEPER International

JANUARY 1996

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For 17 months, research officers at the STRI visited golf courses around the UK, in a survey to examine turfgrass and its response to different conditions. Results show that greenkeepers are winning the battle against some difficult odds ... **Pages 18-20**



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They're the machines everyone thinks of when considering golf course machinery, but how do they really compare? Hugh Tilley canvasses opinion **Pages 9-17**

BTME: It's here

Full details of the record-breaking number of exhibitors, all you need to know about the Learning Experience, speaker profiles and more in our special BTME 96 catalogue..... **Pages 23-58**

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Mike Goodhind, winner of
the Miracle Greenkeeper
of the Year award

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GREENKEEPER International

is the official monthly magazine
of the British & International
Golf Greenkeepers Association

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North Anston, Sheffield S31 7NZ

Tel: 01909 568533, fax: 01909 568206

**Greenkeeper International: winner
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Circulation is by subscription. Subscription
rate: UK £34 per year, Europe and Eire £44. The
magazine is also distributed to BIGGA members,
golf clubs, local authorities, the turf industry,
libraries and central government.

ISSN 0961-6977

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WE SAY

The journey

Early in 1994 we embarked on a journey which was to take us through the whole ambit of BIGGA's structure and activities at national, regional and section level by means of a review which has resulted in the completed "Towards 2000" document. This journey will end in Harrogate at our forthcoming AGM when members will be asked to approve the document and most importantly implement the resulting amendments proposed to the Constitution and Rules of the Association.

Looking back, the exercise over the past two years has seen the democratic processes of the Association at their best. All members with an interest in commenting on the review should have had the opportunity to do so through their sections. At regional level there has been a proper and considered consultation on the proposed changes and representations made to the Board of Management for consideration. Over and above this a Review Body was established which in addition to the Headquarters Management Team, included our Chairman and representatives from each of the regions. This Review Body was instrumental in progressing the "Towards 2000" document and I would like to thank those member representatives who gave freely of their time - Barry Heaney, Gordon Child, Ian Holoran, Harry Diamond, Clive Osgood and Richard Barker.

So we come to the AGM with the review document having broad based support from the sections of the Association and the five regional boards. The focus is now on the proposed amendments to the Constitution and Rules and space will not allow me to comment in detail in the course of this article. I will, however, make mention of two key aspects of the changes. One relates to membership of the Association and seeks to give a clearer definition of the entitlement to full membership of BIGGA. This, in future, if accepted, will be limited to "any person employed in the keeping of the green at a golfing establishment" together with Life Members duly elected by the Association in General Meeting. Other membership categories will continue with the introduction also of a "Student Member" category. Existing members who feel they may no longer meet the criteria for full member-



BIGGA in focus

BY NEIL THOMAS

ship have no need for concern as a separate clause allows for those persons in paid up membership of the Association at the time of implementation of the revised Constitution by the membership in General Meeting and who do not meet the new criteria for membership as laid down in that Constitution to continue in membership at the discretion of the appropriate section committee.

A second key aspect of the changes relates to the Board of Management which, on acceptance of the proposals, will henceforth comprise of five members being one member from each region, together with a Chairman, Vice-Chairman and Past Chairman. An important change is that the Chairman and Vice-Chairman can be appointed by the Board from within the full membership of the Association. Should the Board appoint from within the five regional members then the region in question shall be entitled to elect an additional representative. So the Board of Management will be restricted to eight members. The introduction of a clause allowing the Board to appoint a Chairman and Vice-Chairman from within the full membership rather than restricting those appointments to members of the board as currently applies is important. It will allow a much greater degree of flexibility and should ensure that those taking on the positions in future can give freely of their time and commit themselves wholly to positions where the demands are ever-increasing.

I hope I have given you just a brief insight to the changes being proposed and that members attending the AGM will see fit to vote in these amendments to our Constitution and Rules. Looking

ends

towards 2000 and beyond, I believe that they will increase the standing and effectiveness of the Association as we look to meet the many challenges that lie ahead.

A welcome for new Golden and Silver Key members

BIGGA'S Education and Development Fund was established in January 1992 and is now entering its fifth year. Its achievements are well documented and it has been particularly successful on two fronts. First in providing education and training opportunities for our members which otherwise would not have been possible and secondly in bringing together, through a common programme, those companies within the industry who wish to support greenkeepers in their quest to enhance their knowledge and learning opportunities and to take forward the status of the profession. 1995 saw the publication of "A Practical Guide to the Ecological Management of the Golf Course" as well as a new training video on "Golf Course Preparation". Both were made possible through the resources of the Fund as were the Regional Management Training Courses which will continue across the country and in Southern Ireland during the coming spring. A number of projects for 1996 are being planned and during the BTME in Harrogate we will be launching another new video on the 'Reconstruction of a Green'. The Fund has therefore become a keystone of our progress as an Association and within this magazine we recognise and thank those companies as Golden and Silver Key Members who will be supporting the Fund in 1996. A mention also for those individuals who choose to support the Fund and become Golden or Silver Key members of the Association. This is a very real commitment to the education and training of greenkeepers and I thank them for their support.

A special welcome for our new Golden Key company members - Hepworth Minerals and Chemicals Ltd, Pattison, Mommersteeg, Levington, Superturf and Ocmis. A welcome too for Rolawn as a Silver Key member. I feel sure that their decisions to support the Fund will be fully justified and I look forward to their playing a full part in the consultative processes through which the Fund and the projects emanating from it have prospered.

NEWS

End of an era

At the end of a year in which he prepared his fourth Open Championship course Walter Woods, Links Superintendent at St Andrews, begins his well earned retirement - although the pipe, slippers and SAGA holiday brochures may have to wait a while before they are put to good use because he has no intention of saying farewell to the profession he loves.

Walter will remain as a consultant to St Andrews Links and will expand his consultancy work to share his vast experience with others.

"I go into clubs where the greenkeeper is suffering stress and without the resources to do the job properly and try to provide him with support. I find that the committee listens to me and I can usually improve the situation for the greenkeeper within a couple of months," he explained. As the first Chairman of BIGGA in 1987 Walter has seen the Association grow and been a major influence in what it has done for the profession.

"I see a different type of greenkeeper coming through. One who has a responsible job, is in charge of budgeting and who has a more managerial role. The Association is largely responsible for this and is keen to promote the job of the greenkeeper and point the way



Fond farewell: Barry Heaney, left, presents Walter Woods with a retirement gift from BIGGA

forward for the profession."

He also gave credit to the Association for improving the image of the greenkeeper.

"It used to be that greenkeepers wore overalls and a 'bunnet' but now you see young men who still wear overalls while out on the course but who dress in their BIGGA blazer, collar and tie when they have meetings. That has done a lot for the image of greenkeeping and the Association has been responsible for that."

One thing which does annoy him, however, is the Association's current membership level.

"We have moved up from

1,000 members when we first started to 6,000 now but we should have 12,000 members.

"Every greenkeeper should be a member of BIGGA and it is down to the clubs to learn that the course won't succeed without a good greenkeeper and that a good greenkeeper should be a member of the Association to tap into all the expertise and educational opportunities it has to offer."

If there is one thing which has surprised and delighted Walter since the birth of BIGGA it is the education which is now on offer.

"I didn't think it would ever happen that many greenkeepers would be better educated than the secretaries but it has because the Association not only educates on greenkeeping matters but offers courses in management as well."

After 21 years at St Andrews Walter will miss preparing the courses for Championships.

"Not just the Opens but the other professional events and the top amateur championships. I got a real buzz out of that," he recalls.

Walter was invited to the Board's Christmas Dinner just before Christmas and presented with a token of appreciation from all in the Association by current BIGGA Chairman Barry Heaney.

Going Dutch...

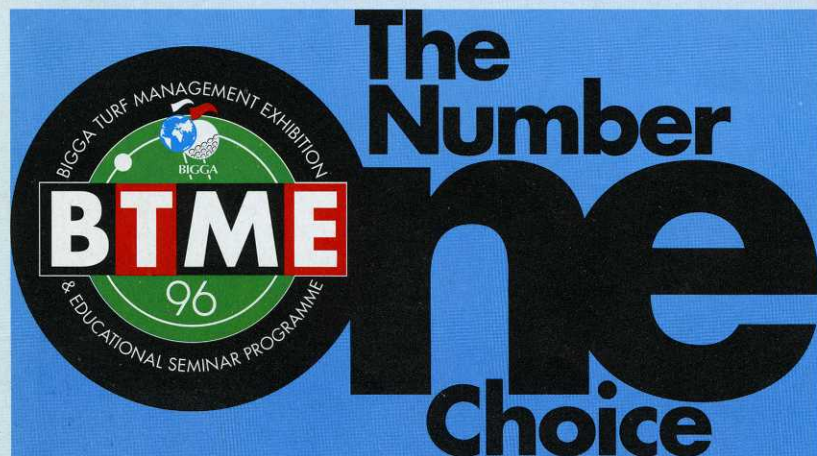


A party of greenkeepers and Course Managers visited the Barenbrug Headquarters and Research and Testing Establishment in Holland. The trip was organised by Barenbrug, Europe's largest grass breeder and producer of amenity grasses and Jamie Bennett of Grass Roots, and the party predominately comprising greenkeepers from the Home Counties, toured the company's Headquarters in the morning and was given a talk on the work that was being carried out done. After lunch they travelled to see some of the research work in progress and the extensive testing grounds.

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Out to grass...

The revelation that it takes 15 years to develop a new variety of grass was just one of the interesting pieces of information revealed at the South West and South Wales Region Seminar at Cannington College in Bridgewater, Somerset.

Sponsored by Barenbrug the day was introduced by John Bradley, Area Manager of Barenbrug UK Ltd who reminded the delegates of a passage from Jonathan Swift's Gulliver's Travels.

"And he gave it for his opinion that whoever could make two ears of corn or two blades of grass to grow upon a spot of ground where only one grew before, would deserve better of mankind and do more essential service to his country than the whole race of politicians put together."

The talks began with "Perennial rye grass for the golf green in the year 2005" by Gerard van t'Klooster, Head of Breeding in Holland who explained the work behind developing new varieties

and getting them to a state where they are ready to be marketed.. He was followed by John Linneker, Manager of Royal North Devon GC who spoke on "Golf Club Management". His advice to managers was "not to punish every mistake that people make".

'Treat wildlife like novice swimmers...'

Cannington College HND student John Wilson took the day up to coffee with his talk on "Work experience on an American golf course" from his time at Sahali Golf and Country Club near Seattle. He gave golf clubs something to think about with the fact that the club spent £10,000 per annum on employee meals.

After coffee Mike Canaway, Chief Executive of the STRI spoke on "Research today for the needs of tomorrow" and gave an insight as to the work currently being undertaken at Bingley. He was followed by Mark Anderson, a student of Sparsholt College and Head Greenkeeper at Newbury Golf Club on "A golf course

within a racecourse" who talked of the problems he had encountered which included concrete creeping its way to the surface of the course making vertidrainage impossible.

After lunch Dr Anne-Maria Brennan, ecologist for the EGU talked on "On course conservation, golf and nature in partnership" and gave a tip on the building of ponds. "Treat wildlife like novice swimmers and give them a shallow end and no steep banks."

George Shiels closed the seminar with his talk on "The presentation of a golf course from an agronomist's point of view". Using a car analogy his advice was always to make the best of the courses qualities and not to try and make it something else. "An Audi tries to be the best Audi it can be and not a Roller or a Porsche."

The day was rounded up by South West and South Wales Regional Administrator Gordon Child, who, along with wife Marion, had organised the day.

Keeping the course open for 52 weeks of the year

"If golfers want to play all-year-round they must accept that vital preventative maintenance has to be carried out in the summer months and must accept the disruption that goes with it", so says Martyn Jones, Head of the Turf Section at Myerscough College.

"Fusarium can be largely prevented by summer treatments; aeration is most effective when carried out in the summer when the grass plants are most in need of oxygen and overseeding is most successful in the late summer when good germination is guaranteed and Poa annua less likely to thrive".

Martyn Jones was speaking at an evening Greenkeeping Seminar and Supper at Mere Golf and Country Club.

Mike Sheehan, Course Manager, explained that at Mere they now have an established policy to hollow core and top dress at the beginning of August. Disruption at this time of year is minimal and usually within two weeks all evidence of the treatments have disappeared. Competitions are arranged round this programme and generally a large percentage of the golfers are on holiday then anyway. Delegates from Davy-hulme Golf Club and Prestbury

confirmed that they too regularly hollow core in August with excellent results.

Dennis Mortram from Reaseheath College spoke on aeration and he too advocates summer treatments to prevent problems in winter rather than waiting until the course is waterlogged. He reminded the delegates that they don't manage the grass - they manage the soil. And if that soil is compacted or waterlogged then vital oxygen is restricted and the grass will not thrive. He also made a plea for more research into the whole subject of aeration.

A lively Question & Answer session covered topics ranging from the benefits of sand based greens, to the optimum number of competitions for an average course; overseeding; compaction and the difference between a Head Greenkeeper and a Course Manager.

90 delegates attended from 44 North West clubs, nearly half of whom were Chairmen of Green or Committee members.

The evening was organised by SISIS Equipment and jointly sponsored by SISIS and Rhône Poulenc.

HAYTER CHALLENGE

Hayter broaden their horizons

Scotland may be still basking in the glory of their victory at West Lancs last September but preparations for the 1996 Hayter Challenge are already well under way.

Such has been the success of the competition since Hayter's took it over from Iseki in 1993 under the guidance of Sales and Marketing Director Kim Macfie that plans have been announced to expand the event to take in the rest of the world.

It comes in the shape of the Hayter International Cup which will run alongside the Hayter Challenge final next year with the match alternating between Britain and the USA on a two year cycle after that - similar to the Ryder Cup, an event destined to play second fiddle to the Hayter International Cup once it becomes established.

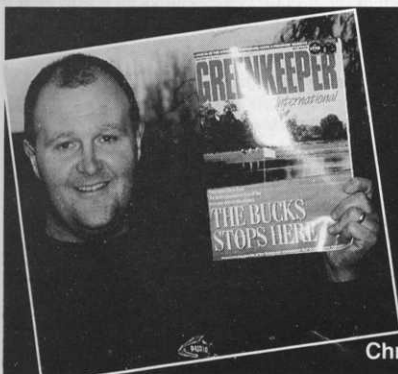
The match, which next year will take place at West Lancashire Golf Club on Monday September 16, will pit the Rest of the World, in the shape of greenkeepers from the four home nations, Spain, Germany, Sweden and Australia against the Americas comprising six Americans, four Canadians and two Argentinians.

The format will be six four-balls in the morning and 12 singles matches in the afternoon. The competitors will then join the Hayter Challenge finalists on the Tuesday and Wednesday at Fairhaven Golf Club.

The British representatives will be selected from the leading nett scorers in the handicap bracket scr-12 residing in each of the home nations at last year's Hayter Challenge final.

"I see the Hayter International Cup as an ideal opportunity for greenkeepers from all over the world to meet, mix and share each others experiences as well as enjoy a friendly but competitive golf match," said Kim Macfie.

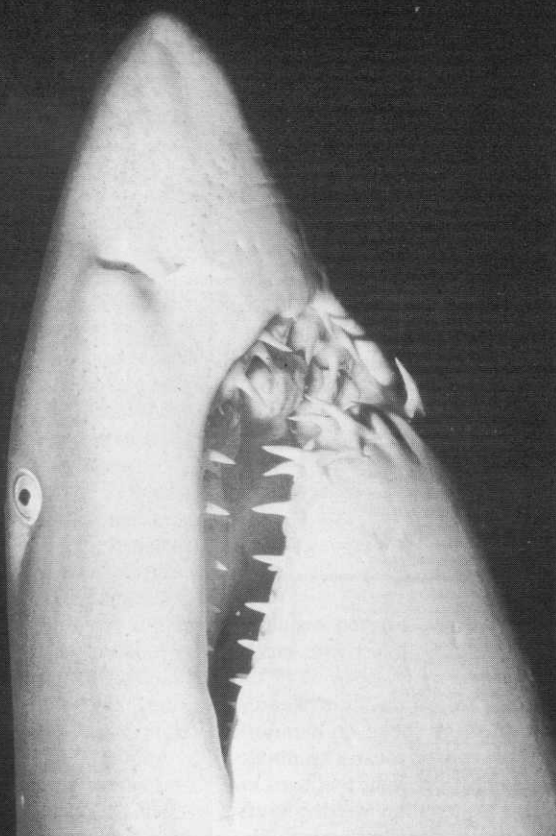
"I hope that like the Hayter Challenge it grows to become an important event on greenkeepers' calendars."



Membership milestone

Richard Martin, a 33 year old assistant from Ripon Golf Club is BIGGA's 6000th member and as such has had his membership cheque returned. "I'm delighted, it's a great Christmas present," he said.

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Greens MOWERS

IN THE
SPOTLIGHT

**Hugh Tilley canvasses opinion on a selection
of Greens Mowers currently on the market**

Greens mowers are always the first machine anyone thinks of when considering golf course machinery. Perhaps they are the glamour machines because they are in such frequent use, or maybe it because they have the most important visual impact on the course.

Most greenkeepers prefer to use pedestrian operated machines, however, many admit that ride-on greens triples offer time and labour savings and have to be used to greater or lesser extent on most courses. Whether there is any significant difference between quality of cut is debatable, perhaps the greatest difference is visual – the width of those highly desirable stripes.

Groomers, conditioners or rakes are available for most if not all greens machines, and most greenkeepers either love or hate them. Most groomers only work in a straight line – which may be a problem for the perimeter cut, few people are prepared to lift them just for one or two circles of the green. Verti-cutter reels are also an option for many machines, however as these require the cutting unit to be changed most greenkeepers prefer to have a dedicated machine for the task although changing



Philip Bowes aboard Peterstone Golf Club's Hayter Beaver T93

reels may be very quick and easy. The Dennis cassette system is the ultimate in quick change, and perhaps this could be adopted on other machines.

Without doubt quality of cut is the number one criteria in selecting machines with cuts per metre (or yard) the salient figure to consider however the greenkeepers spoken to accepted that a machine sold as a "greens mower" would provide acceptable cut quality. After this other considerations have to be price,

reliability, service back-up and ease of use, including of adjusting. Again most greenkeepers took it for granted that the main contenders in this field would be easy to use and reliable. Service back-up was more important in this survey than in any of the previous ones, probably because the greens mower is the mainstay of maintenance – and appearance, not to mention green speed.

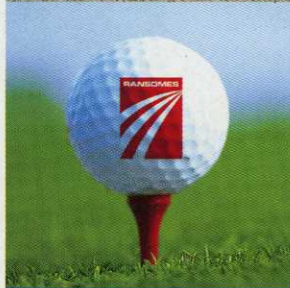
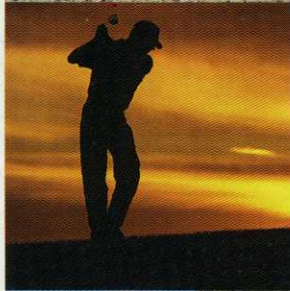
Greens vary considerably between clubs, and often between different parts on the

same course. The size of the greens, their level and the surrounds have a significant impact on the ease of using a mower on them. Manoeuvrability is more vital on some courses than on others, while some have a greater requirement for machines with better than average stability and surefootedness. Greens triples have no tread or rib on tyres or rollers, and engine braking and/or all wheel drive may be required.

The Hayter Beaver T93 at Peterstone GC, South Wales

A troubled financial history, i.e. lack of money for investment, was the most critical factor in Peterstone's purchase of the Hayter T93. The five year old 18 hole private course is in receivership, however consultants advised of the necessity of maintaining the course, and thus the need to invest. A number of different machines were demonstrated, however the T93 supplied through local dealer Ted Hopkins (who took the old GT as a trade-in) performed perfectly satisfactorily and was available "at a price we couldn't refuse," said Philip Bowes, joint Head Greenkeeper.

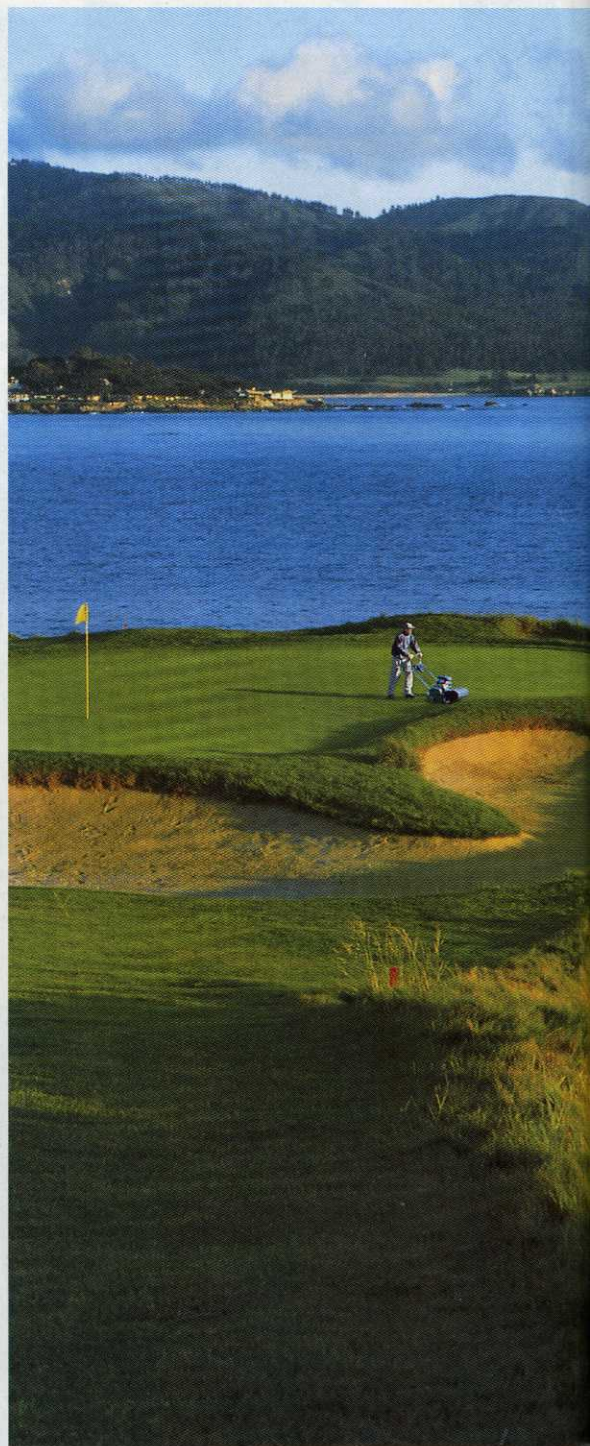
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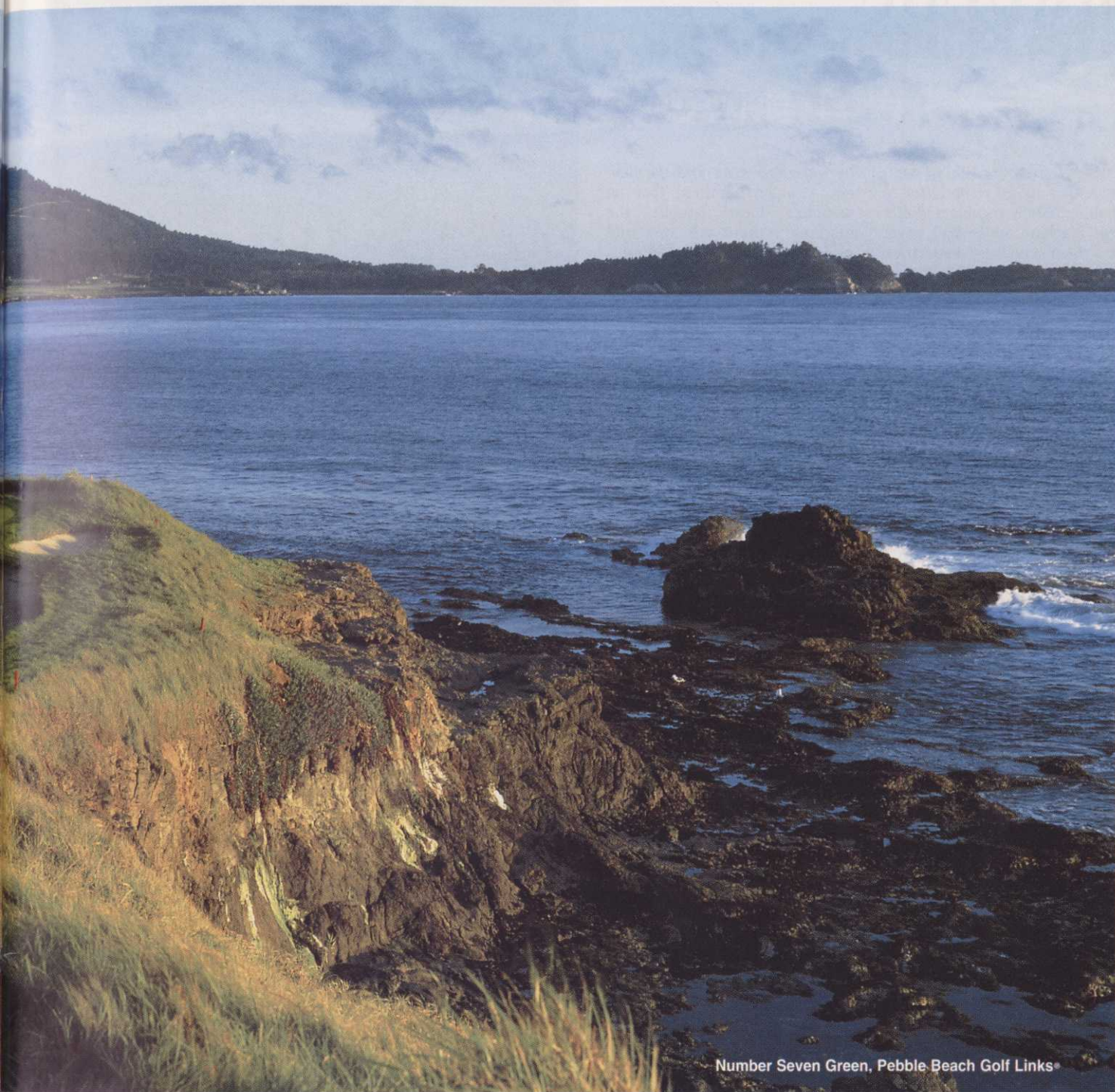


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hours on the clock, Philip commented that it has proved itself to be an extremely reliable and efficient machine which had never let them down. Pedestrian machines are only used in special circumstances, such as for matches.

The grooming reels were supplied with the machine and Philip commented that he would not have bought without them. In his opinion the machine gave "an excellent quality of cut especially when considered against its cost". Standard bottom blades are used with life and cost both acceptable. The reels are normally sharpened just once during the winter and then back-lapped "as and when necessary" during the cutting season. Philip was very pleased with the way the reels kept their cut and adjustment.

Ease of use, operating and manoeuvring, was considered to be equal to any other greens triple, four of the five greenkeepers use the machine regularly and all like it.

A couple of reel bearings have had to be replaced, using original parts from Hayter as these are "not over priced".

Philip's brother, and joint Head Greenkeeper, Greg said that Hayter had been extremely supportive and re-welded without quibble one minor crack in the frame. The machine still has all its original hydraulic pipework which has never leaked, although one internal seal in the transmission had to be replaced.

"No" said both Bowes brothers, "we can't fault the Hayter T93 and we'd certainly consider another".

Ransomes E-Plex at Lydney GC, Gloucestershire

"It'll be interesting to compare costs after a year's use," said Graham Wissett, Head Greenkeeper at Lydney in Gloucestershire. "Not having engine or hydraulic oil and filters to replace nor any diesel fuel to buy must make a considerable cost saving," he suggested. Lydney bought the all electric E-plex after an extended one month trial, the machine having first been R S Bird Ltd's demonstration machine.

Lydney is a private 9 hole course on relatively level ground

between the town and the Severn. Graham admitted that he wouldn't have bought the machine without this long trial period. He suggested that this was the only way to buy any machine particularly if it was radically different to other machines you are used to. Certainly the radical concept and untried principle gave him initial cause for concern, but use has refuted this concern.

"Its not a machine which will suit everyone," he suggested, "however it has proved to be ideal for our needs. You soon forget how it is powered." The E-Plex has now proved that it will cut 29 greens between charges and still have enough power to get back to its battery charger.

While knowing that it was an untried machine and principle, Graham was confident in the support he would receive from Ransomes and Birds, and added inducement was given by the fact that Birds gave a three years (free) service contract with it. The most obvious advantages of the machine apart from its economy of operation are its quietness. With a housing estate alongside the course the advantage when going out to cut greens at 5.30am is obvious. Other significant advantages are the lack of oils to spill and the minimal maintenance requirement. Graham said it was nice not to have to check oils and water or for worn pipes nor to have to wear ear defenders.

Power is provided by a bank of eight 6 volt batteries. Battery life is still an unknown quantity, Ransomes recommend replacing batteries in rotation, however Graham intends to wait until they go down and then to replace them all, using a local battery supplier at a cost estimated at £500. Following recommendations Lydney run the batteries down almost "flat" before recharging, using the machine as a run-around if necessary. Charging takes about seven hour, i.e. overnight and once plugged in is automatic.

The E-Plex has a charge meter on the dash, and Graham said that reel speed, and so quality of cut, remains constant "until the batteries are virtually dead - the



Graham Wissett and the Ransomes E-Plex

reel drives being the priority service." Quality of cut is considered to be at least as good as any other greens mower. Furthermore the machine has stayed "on cut" exceptionally well without needing any resharping. The service which does show charge level is reel lift, "you notice this getting sluggish as the charge runs down," Graham said. Slopes do have some effect on the machine, and speed can be reduced by as much as 30% when climbing. There is no engine braking when going downhill but Graham is happy to use the brakes if necessary to check forward speed. He believes that Ransomes have made a modification to this.

The machine has been used without turf groomers for the past season, however these are to be fitted for the next. Lydney checked the ability of the electric lift to cope with the extra weight - by loading 50kgs of sand into the boxes. Verti-cutters are not available. Individual units can be switched off allowing narrower and offset perimeter cuts to be made. Lift height stops are adjustable by screwdriver to ensure that the units come up just sufficiently high enough to clear humps.

There are some downsides to the machine, one is that there is no power steering, however Graham said this is no real problem, you just develop different techniques, wider sweep turns and a three point turn if necessary, this has eliminated steering (skid) marks. Another expressed wish was for a sprung seat.

Overall Graham said, "I think the design is brilliant, exceptionally well thought out with easy service swing out cutting units, only a single spanner for all adjustments. Certainly if it were stolen tomorrow I would buy another and I don't think that I will have a different opinion in a year's time."

Toro 3200-D at Wimbledon Common GC

When Greenkeeper International visited Ron Green, Head Greenkeeper at Wimbledon the machine had not been delivered. It had been ordered without demonstration, nor had Ron seen the machine, its specification or even a brochure. This indicated the club's faith in manufacturer and dealer - Ian Kerry Machinery. But the machine was not an entirely unknown quantity as the club has had several previous Toro greensmasters. Where there was a little apprehension was over delivery as the club's Toro 3000 which was sold in part exchange has already gone, however Ron is confident that Ian Kerry "will see them right".

The club is in the unusual position of being joint private user of a public course - shared with the London Scottish Golf Club on the Common. Greenkeeping costs are divided equally. Policy is decided by a ten strong committee, five from each club with a Course Liaison Manager providing the link. Course staffing is three, including Ron with maintenance being based at the Wimbledon Common club premises. This tight staffing level means they have to have reliable machinery and depend on the supplier for service. Ron could not be more complimentary over the service given by Ian Kerry Machinery.

Servicing is scheduled monthly by Ian Kerry Machinery who do all oil changes and fully check the machine at that time. They undertake such repair and replacement, including sharpening, as deemed necessary. Back-lapping is undertaken when required, probably about fortnightly.

The new machine replaced a Toro 3000 which needed a new engine among other work, but they have retained a 17 year old GM3 which has clocked up some 3300 hours because, having spent

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The Wimbledon Common Golf Club's team and their Toro 3200-D

a lot of money on it a season or two ago, it was considered worth retaining. No pedestrian mowing is undertaken and greens are cut daily.

The groomers were removed from the GM3 and 3000 as they were found to "ripple" the perimeter cut, and Ron will not have them on the new machine. The club has verti-cutters for the GM3. The change to diesel power was an important factor in upgrading – a petrol engine 3200 is available, however transporting and storing petrol is proving to be an ever increasing difficulty, whereas there is already a diesel tank in the yard. The clubs, through David Shore, the Course Liaison Manager, are endeavouring to change into a rolling replacement programme.

Lloyd Paladin 21s at Dyrham Park Country Club, Barnet

Don Wilson, Course Manager, declares himself to be a dedicated pedestrian man, giving in part the justification that the course is built on heavy London clay – with some variety in the greens which he mole ploughs each year. His other reasoning was that pedestrian mowing gave a better and faster green and a more attractive finish with no edge marking and this was something the members required. The club selected Paladins for several reasons not least of which was the fact that Lloyds at Letchworth were very close to hand for parts and service. However the principle reason was that Don considers that the mower produces a better finish than the other machines which he has tried. The build quality and engineering also received praise.

The club has three of the machines, all of the same age, which are individually numbered. It also has two Jacobsen triples which lack of time and money dictate be used at weekends during peak season – One of the Greenskins is used for verti-cut-

ting. Don does not believe in groomers – or rakes.

There have been no problems with the machines, service is simple and grease points are excellent and readily accessible, nor does the machine shed its grease on the greens.

All three machines go back to Lloyds for a winter overhaul and sharpen, with back lapping being undertaken at Dyrham as necessary, normally two or three times a season. Don said the machines stay on cut well, and seldom need adjusting although this is checked each time they go out. Adjusting the cut is simple, but it does need a box spanner – "this need for a spanner", Don said, "ensures that adjustment is not undertaken by the operator without due consideration." Cutting even in the wet is not a problem.

The club has eight greenkeepers when at full strength, machines are not specific to any greenkeepers and all handles are set at the same height. Transport wheels are not used as normally each greenkeeper has a Cushman which he uses to move himself and the mower from green to green. Don said that he particularly liked the Honda engine, advantages he cited were its reliability, quietness and economy,



Don Wilson and the Lloyd Paladin 21s

and on top of this was the eco-friendly use of unleaded fuel. It has an oil alert switch which ensures that it cannot be run without oil.

Replacement is scheduled for after the machines have done four seasons of work, but prior to that Don is also hoping to buy two more similar machines for his tees.

Huxley 358 Greensmowers at Barton-on-Sea Golf Club, Hampshire

Barton on Sea is a private 27 hole links type course which while long established has recently had to move further away from the sea. Greens are built to full USGA specification. The club bought the second production machine from Huxleys in 1988 and this is still with them, but now down graded to a tees machine. Since then they have bought a further two machines, respectively for the '91

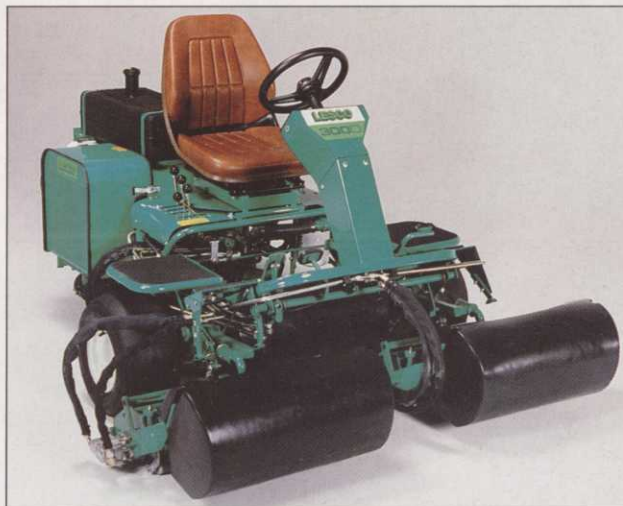
and '93 seasons and it now anticipates replacing the oldest machine next year as part of a five year replacement plan.

Course Manager is Tony Gadd and he said he and all the green-keeping staff are extremely happy with the Huxleys. The fact that Huxleys are only an hour away and provide an extremely efficient back-up service adds to the fact that the machines are British and priced "right". All machines have combs but not roller brushes.

Tony admitted that the oldest machine has had its troubles and that it is coming to the end of its economic life, but one of the advantages of Huxleys being a small British firm was that they took trouble to listen to the greenkeeper (and Barton greenkeepers in particular) and then acted on this. This has meant that many of the early niggles and problems have been corrected in

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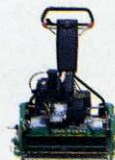
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Robert Hollier, Tony Gadd and Chris Parsons and their Huxley 358s

the latest models.

A feature of the machine is its good clearance, but Tony reckoned that early machines had sacrificed clean collection as in wet conditions the rollers collected and clumped clippings. Having learnt this Huxleys have made slight design changes to the boxes so that new machines collect 100% of the clippings.

Other features which were noted were the ease of working on the machines and the ease of adjusting the machine. Quality of cut was equal to any in Tony's assessment. Reliability, overall, has been excellent. The machines have all wheels driven and this is considered an essential requirement, probably because the machine is heavier than some and has more weight over the back wheel. Stability on the current model is good but the earlier machine was prone to tip. The latest model also has strengthened cutting unit lift arms to cure the problem of earlier breakage's, but Tony said one of the most significant advances is the improved hydraulic pump capacity which gives a much smoother drive.

Several different operators drive the machines but most of the greens mowing is done by the two first assistants, all are pleased with the machines. Tony said all his staff are consulted before the club buys a new machine. He commented that where anyone has preferred another model of greens mower they have accepted that their preference was not sufficiently strong to warrant a change, especially when it meant loss of commonality of parts and a difference in the location of important controls such as lift/lower.

Dennis FT610 at Fawley Parish Council

Peter Stevens, Head Groundsman at Fawley Parish Council in Hampshire, admitted to being a "new boy" when it came to green-



Peter Stevens and his Dennis FT610

keeping as the parish has only recently built its own 9 hole course on reclaimed land. His requirement was for a versatile and inexpensive mower for the greens which are relatively small, and this led to selection to the Dennis for its cassette reel change. Compaction is a major problem on the site as is lack of capital and these criteria exclude the purchase of a ride-on triple unit.

The course is to be opened next spring and one of Peter's worries is that the maintenance requirement is higher than existing staff and machines will be able to cope with, thus he has retained some reservations.

Nervertheless the Dennis has been used for the past season without any problems and it has done an exceptionally good job. In addition to the cutting unit the council has a verti-cut cassette, and Peter said he likes the look of the sorrel roller unit.

Prompted for design faults, Peter did say that the box could usefully have a handle at the front, but otherwise he had no criticism of the machine.

Servicing is simple and reliability has been total. The machine negotiates the undulations in several greens without trace of

scalping despite the fact that it has a relatively long wheelbase. Supply was by Jenman Engineering of Durley.

John Deere 2243 at Broadway Golf Club

When Broadway needed a new greensmower, service and parts back-up were high on the list of priorities. Cedric Gough, course manager, said that he was not prepared to buy an untried machine nor one where the parts back-up was not 100%. Nor did he expect to be charged for overnight delivery for items which should be in stock.

Other reasons for the selection was the fact that the reels are offset and Cedric was impressed with the units, furthermore the machine is not complex or over endowed with electronics. This latter feature was important because the club has its own greenkeeper/mechanic who undertakes most of the clubs work. The new JD 2243 is the recently introduced diesel engined model, and Cedric commented that diesel engines were synonymous with reliability.

Cedric has been to Langar in Nottinghamshire, John Deere's UK depot, and been particularly impressed with the way they operate, getting parts from where ever in the world they are and getting them in fast. He was impressed by the computer net which located parts, and he praised the way that JD record faults and can provide the mechanic with the number of

previous similar faults which have occurred and what the best solution to them is.

Jacobsen Greensking 5 at Enmore Park GC, Somerset

Enmore Park's GK5 has yet to be delivered, the 18 hole private course is committed to Jacobsen for several reasons, firstly they believe in the product and are used to it, having had several previous models, and, secondly and perhaps no less important, they reckon they get superb service from dealer B.S. Mowers of Bristol.

Gary Cook who is head greenkeeper at Enmore Park said that these reasons were important, because "(while) there may be others mowers and dealers, which are as good, there is everything to be said for the devil you know."

In fact most of Gary's knowledge of the new machine is hearsay, but he commented that the GK4 has proved itself and the GK5 is basically similar with added improvements. Of course the new machine will be diesel powered.



Jacobsen Groundsling 5



John Deere 2243

NATIONAL SURVEY OF

by Dr S W Baker,

Senior Research Officer STRI

Most of the research work that is carried out on golf course construction and agronomy is based on replicated experimental plots, for example on the trials grounds at the Sports Turf Research Institute. This gives the necessary controlled conditions so that the effects of different treatments, e.g. grass type, fertiliser rate or pesticide application can be studied in conditions where all other aspects of construction and maintenance are held constant. For instance, in a construction trial the rootzones may vary but all plots on the trial area will be sown with the same seeds mixture, receive the same amount of fertiliser, top dressing and aeration and all plots will be subjected to artificial wear at the same times.

This careful scientific approach is essential if we are to understand in detail the response of turfgrasses to different forms of management and to make meaningful comparisons between dif-



Survey work in action with the concentric rings being used for infiltration measurements

ferent products so that the best possible advice can be passed on to golf clubs. However there is also a need to monitor what is actually happening on golf

courses as this allows a wider range of environmental conditions to be considered, it can provide some additional information on interactions between different

management procedures and it also gives information of long term development of golf greens by selecting greens that have been established for many years.

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GOLF GREENS

Monitoring of the performance of a large number of golf greens also gives an indication of any commonly occurring problems that should be addressed by additional research work.

In 1993 the Royal and Ancient Golf Club of St Andrews agreed to finance a national survey of golf greens. Many of the objectives of the monitoring work are listed above but there was a particular need to identify performance requirements for golf greens, especially for playing quality. The need to examine performance requirements has been brought about in part by work by the European Committee for Standardisation (CEN) which is developing standards for sports surfaces, including golf greens. However from a research point of view it is also essential to develop a range of measurement techniques to characterise the performance of a golf green and to identify ranges of values that provide an acceptable compromise between the needs of the golfer and the

needs of the greenkeeper. This gives objective methods for assessing all future trials on golf green management.

The measurements of playing quality and development of performance standards will be discussed in a later issue of *Greenkeeper International*, but in this article I wish to consider some of the findings particularly with respect to soils, grasses and management.

THE SURVEY

Over a seventeen month period between June 1993 and October 1994 my colleagues Tim Lodge, Phil Hind, Jonathan Hunt, Daniel Binns and I visited 74 golf clubs around the country. To minimise travel costs there was an inevitable concentration on northern and central England but the overall geographical coverage was from south-west England to the north of Scotland (Figure 1). We tried to select different types of course roughly in proportion to their numbers in the country as a whole. As a result 55% of the

courses visited were classified as parkland, 14% as meadowland, 11% as golf links with smaller numbers of moorland, upland, heathland and seaside courses. At each course testing took place on two greens selected by the greenkeeping staff as being one of their best and one of their poorest greens. This gave a total of 148 greens with a variety of construction types and ranging in age from six months to over 120 years.

Our measurements were varied including soil physical and chemical properties, grass cover, species composition, thatch depth and playing characteristics (green speed, hardness and the stopping distance of balls fired at the turf simulating five iron and nine iron shots. At each course the greenkeeper kindly filled in a detailed maintenance questionnaire and questionnaires were also filled in by players so we could get an impression of the performance of each green.

The main results and principal findings are given below.

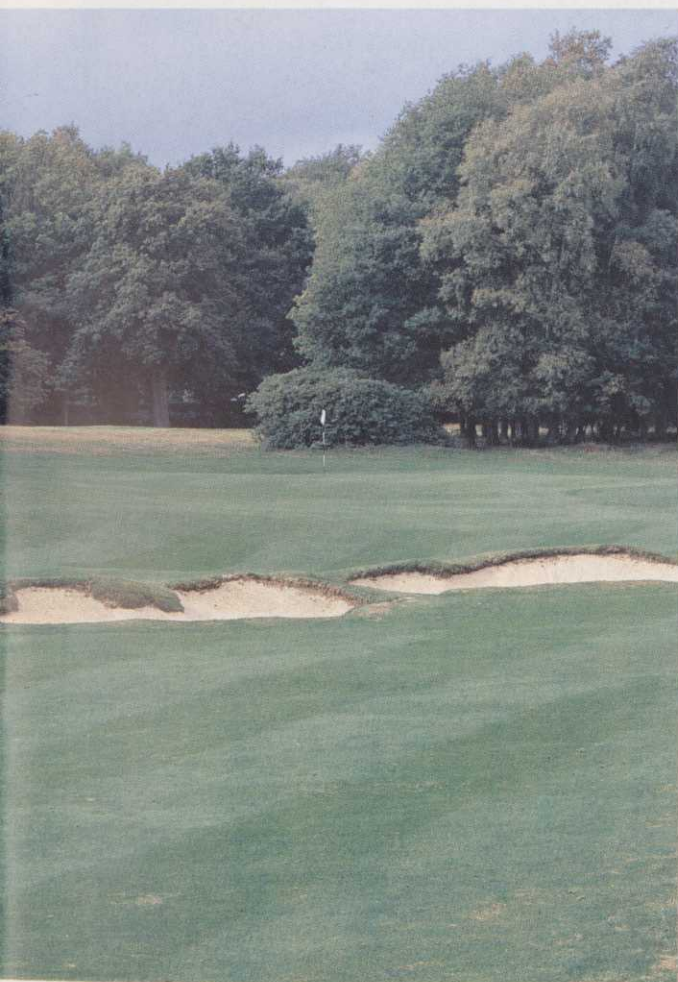


Fig. 1: Location of courses in study

SOIL: PHYSICAL PROPERTIES

We did not specifically choose courses where the greens had modern sand dominated rootzones (although some were included in the study), so the greens were developed on a number of soil types. For the lower 100-180mm depth, 47% of the greens had a sand or loamy sand textured soil, 35% were on sandy loam soil and 18% on heavy sandy clay loam or clay loam soils. Rootzone amendment and

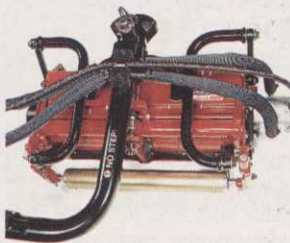
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NATIONAL SURVEY OF GOLF GREENS

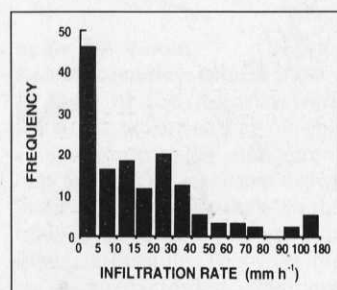


Fig. 2: Number of greens with water infiltration values within specific ranges

top dressing with sandy materials meant that the surface layer (10-90mm) was generally lighter, with 65% of greens having a sand or loamy sand texture and only 6% occurring in the sandy clay loam and clay loam categories. Inevitably the highest sand contents were found on the links and heathland courses, along with newer courses where sand dominated rootzones had been used.

Drainage rates were measured by ponding water in two concentric rings and measuring the rate at which water entered the green's surface. The range of infiltration rate values for all the greens summarised in Figure 2 and some important points are evident. The highest value of 171mm/hr was recorded on a long established heathland course and in general the questionnaire completed by greenkeepers indicated that drainage problems were minimal on those greens with 285% sand in the rootzone but increased as the texture became heavier.

Infiltration rates also decreased with the age of the green and averaged a very respectable 22mm/hr for greens up to five years old but fell to an average of 10mm/hr on greens greater than ten years old. This is likely to be a function of increased compaction and greater blockage of the pore space by organic matter, but changes in construction practices over time could also be important as many of the newer greens have been built with specially prepared rootzone mixes.

Rainfall intensities of over 20mm/hr for anything but a few minutes are very rare but ideally infiltration rate values should be >20mm/hr if the green is to cope with very high intensities of rain, for example during a summer thunderstorm. However a minimum drainage rate of 10mm/hr is a more realistic target for most golf greens and provided that they do not have major hollows

that hold water, any surface ponding will normally be short lived. In the study 43% of greens had infiltration rates <10 mm/hr and almost one third had values less than 5mm/hr. This situation is far from ideal. It must be remembered however that half of the greens were deliberately selected as being amongst the worst on the course and poor drainage would have been one of the factors influencing greenkeepers' nominations of greens to study. Indeed infiltration rates were significantly higher on those greens classified as "good" by the greenkeeper, averaging 14mm/hr compared to 8mm/hr on greens classified as "poor".

The other noteworthy physical characteristic is the air-filled porosity. In the laboratory we measured air-filled porosity at two levels of suction: values measured at a water potential of -4kPa are probably the most useful as this gives an indication of the amount of soil air present through much of the winter period. Using measurements from all the greens in the study, the air-filled porosity of the 10-90mm depth averaged 6.6% and the corresponding figure for the 100-180mm depth was 6.9%. This is below the figure of 10% air-filled pore space which is sometimes quoted as being a desirable minimum value. Indeed 41% of greens had values $<5\%$. Again it must be remembered that the sample of greens was not fully representative as greenkeepers deliberately selected half the greens as being poorer ones from their course, nevertheless when taken in conjunction with the infiltration figures it does suggest that many greens have far from desirable soil physical characteristics.

SOIL: CHEMICAL PROPERTIES

Greenkeepers were asked to fill in a questionnaire on maintenance and this included information of the fertiliser that they had put on in the preceding twelve months. Most greens received between 75-225 kg/ha of nitrogen, which would seem satisfactory in view of the range of soils at different sites. There were however some cases where we calculated the rate to be over 300 kg/ha which is certainly on the high side even for a sand based green. No phosphate was added on 61% of greens and on 56% of greens no more than 40 kg/ha of potassium (as K_2O) was applied. Phosphate levels

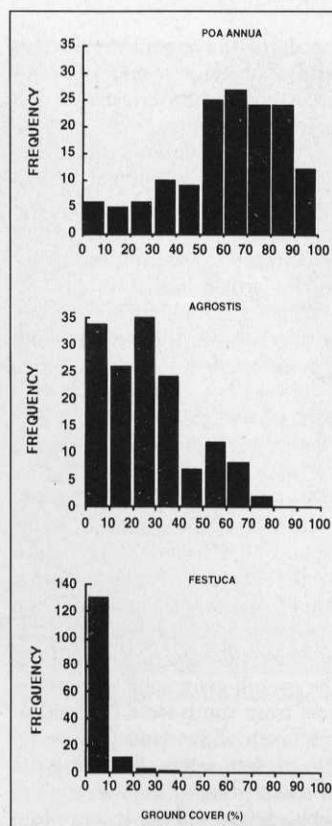


Fig. 3: Species composition of the greens examined, showing the number of greens with measured amounts of annual meadow grass (*Poa annua*), bent (*Agrostis*) and fescue (*Festuca*)

were very variable and there was no relationship between the amount of phosphate applied and measured values in the soil. This almost certainly reflects unnecessarily high levels of phosphate nutrition in the past and the lack of mobility of this element in the soil. In spite of the fact that no phosphate was applied on 61% of the greens, over half the greens had P_2O_5 levels >30 mg/l.

There was a significant, albeit relatively weak, relationship between the amount of potassium applied and levels recorded in the soil. For the main rooting depth (10-90mm) almost one third of the greens had potassium levels classified as very low and for the 100-180mm depth half the greens had nutrient levels falling into this category.

Potassium is relatively mobile within the soil and normally between 60-150 kg/ha of K_2O should be added on an annual basis, depending mainly on the texture of the rootzone. In the light of the figures that were recorded it would appear that potassium is being under applied on a fairly high percentage of greens.

GRASSES

Averaged over the 148 greens in the study, annual meadow-grass was by far the dominant grass type with three quarters of greens having an annual meadow-grass content exceeding 50% (Figure 3). Bent was the most common of the desirable grass species but fescue was recorded on less than half the greens in the study, with the highest fescue contents being found on relatively new greens less than five years old and on links courses. There were significant relationships between species composition of the greens and the soil physical properties, for example annual meadow-grass increased as the clay content and moisture retention of the green became higher. Fescues on the other hand were more common where sand content was greater and where higher levels of air-filled pore space were recorded.

SOME CLOSING THOUGHTS

The survey has highlighted the fact that greens developed on all but the sandiest of natural soils will not have the soil physical properties generally thought necessary for ideal conditions of growth. Heavier soils are inevitably more water retentive and this tends to give poorer growing conditions which, along with a variety of other factors, will encourage annual meadow-grass invasion into the sward. It is a credit therefore to the greenkeeping staff at the courses visited that they generally managed to produce excellent putting surfaces in spite of the unfavourable soil conditions that many were having to work with.

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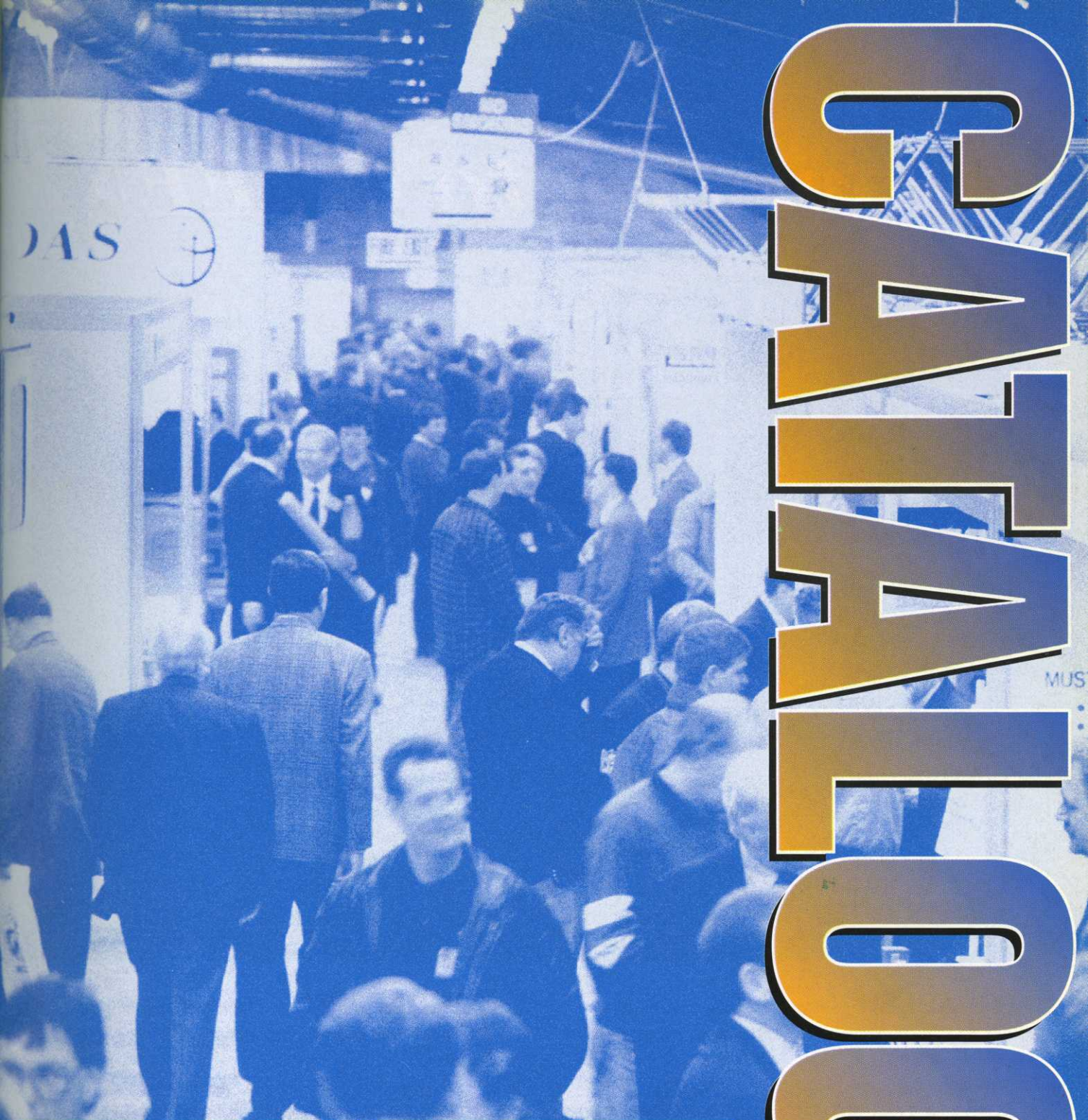
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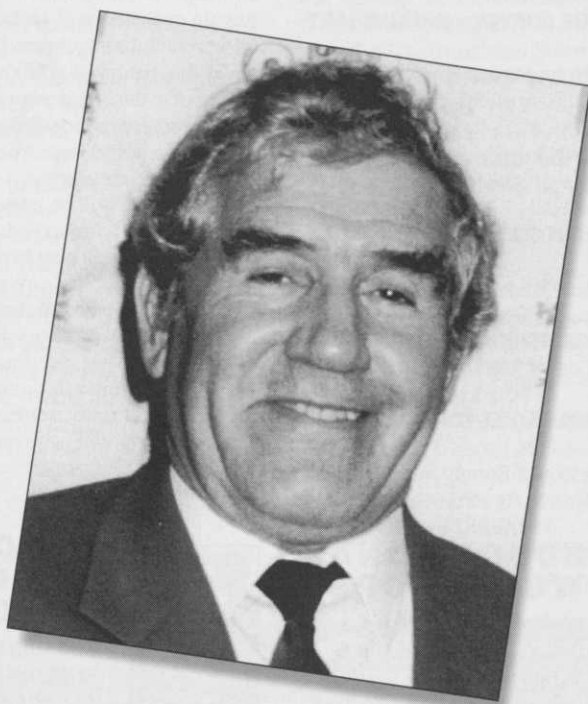


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It gives me great pleasure on behalf of the British and International Golf Greenkeepers Association to welcome you to Harrogate International Centre for BTME 96.

We have been delighted with the progress BTME has made since it was first launched in 1989 and feel proud that we have achieved our objective of making it the largest, and we believe best, indoor exhibition for the greenkeeping industry in Europe.

It is an ideal showcase for the products of the manufacturers and the perfect environment for the comprehensive range of educational seminars, lectures and workshops.

My year as Chairman comes to an end at BTME 96, and I have thoroughly enjoyed my term of office, particularly getting an opportunity to meet so many of you at the various functions I have attended.

I hope that whether you are an exhibitor, a greenkeeper, golf club official or a speaker you will have a successful week and will enjoy being a part of the BTME 96 experience.

There is genuinely something for everyone.

BARRY HEANEY
Chairman of BIGGA

GENERAL INFORMATION

BTME Opening Times

Wednesday January 24
9am-5.30pm
Thursday January 25 9am-5.30pm
Friday January 26 9am-1.30pm

Booking System

Any delegate wishing to book hotels, seminar sessions or the Banquet should contact Sami Collins at BIGGA Headquarters on 01347 838581. Last date for acceptance of bookings is January 16.

AGM

The BIGGA Annual General Meeting will take place at the Majestic Hotel at 5.45pm on Wednesday January 24, 1996. All members are urged to attend but membership cards must be produced.

Andrew Lawrence of Fenchurch and Bob Dudgeon of Peter Hoare and Co will be on the BIGGA Stand for the duration of the Exhibition to give advice to BIGGA members. Andrew can help on matters of general insurance and the Hambro Legal/Stress Helplines while Bob can give pension and general financial advice.

Social Programme

As ever there is something for everyone in the social calendar with the Majestic Hotel playing host to the formally organised events.

The Conference Dinner on the Monday night features David Gunson the Air Traffic Controller and winner of the Benedictine After Dinner Speaker of the Year title.

The Karaoke Night on the Wednesday is the occasion when you are the entertainment always bearing in mind that Matthew Kelly might be hiding in the shadows waiting to frog march you on to "Stars in Your Eyes" if you show any potential.

The Exhibition Banquet on the Thursday night is the grand finale of the social programme and this year features comedian Stan Boardman, a recent victim of Michael Aspel's big red book on "This is Your Life" and Lyn Paul, pictured, the former lead singer of the New Seekers.

They are joined by the City Lights Show Band to complete the entertainment for the evening.





NATIONAL EDUCATION CONFERENCE

TRANSITION ZONE JULY THROUGH DECEMBER

Stanley Zontek, Director,
United States Golf Association Mid Atlantic Region

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INTEGRATED PEST MANAGEMENT

Peter Jones, Peter Jones Associates/Dr C A York, STRI

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Peter Wisbey, Technical Director, Sociedade Do Golfe Da Quinta Do Largo

A SCIENTIFIC APPROACH

Jonathan Hill, Product Manager, Rhône Poulenc

THE BUDGET PROCESS

David Whitaker, Course Manager, Wisley Golf Club

GOLF COURSE CONCEPT DESIGN AND DEVELOPMENT

Neville Pearson, ADAS

OVERWINTERING IN CANADA

Trevor Smith, Past President, Canadian Golf

Superintendents Association

PESTICIDE USAGE SURVEY – PRELIMINARY RESULTS

Dr Alan Gange, University of London and David Garthwaite, Central Science Laboratory

FROM SOIL TO SAND

John Wells, Master Greenkeeper, Course Manager, Brocket Hall

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David Winterton, Master Greenkeeper, Course Manager, Donnington Grove Country Club

COURSE MANAGEMENT UP A MOUNTAIN

Ian Tomlinson, Course Manager, Lausanne Golf Club

ANNUAL BLUEGRASS/BENTGRASS WHICH IS STRONGER?

Joe Vargas, Professor of Botany and Plant Pathology, Michigan State University.



EDUCATIONAL WORKSHOPS

Workshop 1: Golf Course Design, Construction and Establishment

Presented jointly by BIGGA and the British Institute of

Golf Course Architects. A practical 'hands on',

two day workshop which will allow delegates to gain experience of golf course architecture and project management. The course will cover the history of golf, the development of golf course design, design philosophies and grow in maintenance and will include the design of a golf course from project concept to full technical detail.

The workshop will be presented by Howard Swan MSc and Simon Gidman BSc, both members of the British Institute of Golf Course Architects.

Workshop 2: Stress Management Techniques

A practical two day workshop which will allow delegates to learn and practise the techniques of managing stress in themselves and how to recognise and reduce stress in others.

The workshop will be presented by Brin Bendon, Vector Training – see feature on handling stress, Page 29

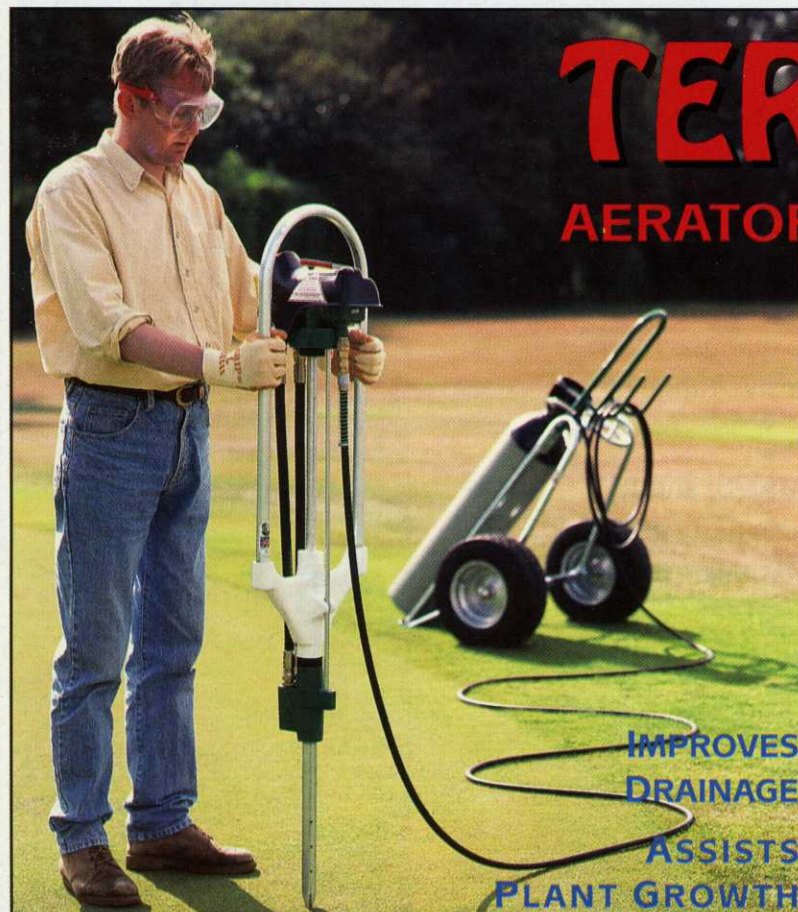


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Trevor Smith, Past President,

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Bob McLaren, Scottish Golf Union

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Peter White, P&D Water Management

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Lorraine Hatton, Plan-it Training and

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IN THE WOODS

Andrew Boyd, Head Greenkeeper, Bridlington Golf Club

PORTFOLIO DEVELOPMENT FOR

VOCATIONAL QUALIFICATIONS

Brin Bendon, Vector Training

STRESS MANAGEMENT

Jenny Rolf, Lecturer and Stress Counsellor

THE EXPANDING ROLE OF THE GOLF COURSE SUPERINTENDENT

Gary Grigg, President GCSAA

LUBRICATION TECHNIQUES

Ron Coleman, Managing Director, Lubrication Engineers

NEW TRENDS IN TURFGRASS MANAGEMENT IN THE US

Stanley Zontek, Director, United States Golf Association, Mid Atlantic Region

SIX SIMPLE TECHNIQUES TO IMPROVE YOUR GOLF COURSE AT THE LOWEST POSSIBLE COST

John Armitage, Chairman of Green, Littlestone Golf Club and Director of Green Eagle Golf Ltd

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Joe Vargas, Professor of Botany and Plant Pathology, Michigan State University



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This course attempts to give golf course officials the necessary knowledge to understand the problems of managing a golf course. As well as teaching the basics of turf science, the course includes a visit to the STRI laboratories and trial grounds.



INTERNATIONAL SYMPOSIUM

The symposium, organised by BIGGA, will give international visitors the opportunity to present their ideas for international co-operation. The event is free of charge and includes a buffet luncheon.



The Learning Experience, in association with Ransomes, offers the most comprehensive education programme in Europe in 1996. Call the BTME Hotline on 01347 838581 for full details and up to date information on the few places still available. NO BOOKINGS ACCEPTED AFTER JANUARY 16.

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Managing workplace stress

We all use the term stress in our daily conversations and we all know what we mean by it since we recognise the signs and symptoms in ourselves and others. A common definition sees stress as a physiological response to undue pressure brought about when there appears to be a gap between how a person perceives the demands being made on them and how they view their ability to cope.

With the increased demands being made upon managers and their employees to achieve more with fewer resources at a time of unprecedented change, stress is on the increase and greenkeeping is not immune for these pressures.

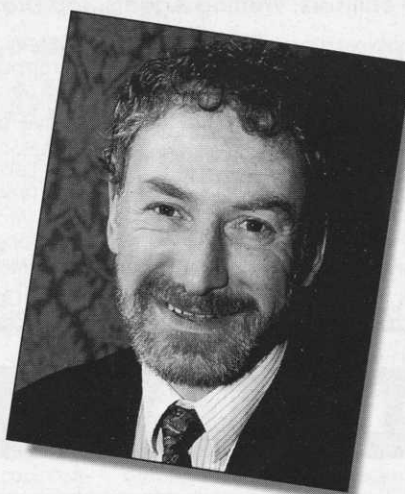
The prospect of increased civil liability claims for stress has been raised following the much publicised case of John Walker verses Northumberland County Council in 1994. This test case set a new legal precedent under which employers may in future be liable under the Health and Safety at Work legislation if employees can prove that they suffered work related illness due to undue occupational stress.

Apart from the prospect of costly litigation, why do employers and management need to take stress management seriously?

The reasons are clear: If occupational stress builds up to unacceptable levels, then employee welfare and productivity will suffer. Surveys undertaken by the HSE and others suggest that the problem is now seen as a major contributor to work-related illness

by **BRIN BENDON**

Brin will be conducting a free session on supervisory management during BTME 96, in the Royal Hall on Thursday January 25 from 1-1.40pm. There's no need to book - just turn up on the day



and sickness absence. Up to 40% of sickness absences may be stress related.

Dr Vernon Coleman estimates that for every employee on the payroll, stress costs about £1,000 per year in lost time due to stress related illness. Stress costs British Industry something like £20 billion a year, making Britain a world leader in the damage that stress does.

How do we account for these trends? Professor Tom Cox suggests that workplace stress is an organisational issue and that employers and managers should consider whether work design and management which result in excessive and unreasonable pressures are posing a risk to health.

The signs of workplace stress can be observed in reduction in output, higher wastage and error rates, weaher planning and control of work, poor motivation and commitment, erratic or poor time-keeping, poor customer service and conflict and tension between colleagues.

Effective stress management can't just cure the symptoms, it has to look at the cause. Change

and uncertainty, lack of clear objectives and inflexible and over-demanding schedules all contribute to occupational stress.

What should our response be? The first step must be to raise awareness of stress as a serious health and safety issue and ensure that practical steps are taken in relation to the day to day planning and organisation of work. We need to raise awareness first because it is something that people are reluctant to discuss. We need to get across the message that it is not wimpish to admit to experiencing stress. Stress is not down to individual susceptibility or weakness.

Finally, we need to invest in management training to prepare Course Managers and Head Greenkeepers for this additional responsibility.

● Brin Bendon is a Management Training Consultant who has a background in behavioural sciences. He is the director of Vector Training, a training consultant specialising in Human Resource Management and is an approved provider of BIGGA's Supervisory and Management Courses.

QUIZ



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Answers on Page 32.

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David Walden

NATIONAL EDUCATION CONFERENCE SPEAKERS

How do the various climatic conditions affect grass growth on golf courses in the United States is the very topical subject presented by **Stan Zontek**, Director of the USGA Green Section Mid Atlantic Region. Stan is an experienced speaker who has visited us and spoken at previous BIGGA events. With unusual weather conditions becoming the norm in the UK, this talk should show how US superintendents cope with the often difficult weather conditions over there.

In a slight change from the usual type of talk, **Ian McMillan**, Course Manager at Hankley Common Golf Club gives his practical ideas on the Selection of Grass Species for golf courses while **Dr Andy Newall**, from the STRI gives the academic viewpoint. **Peter Jones** continues with his practical approach to Integrated Pest Management, with **Dr Kate York**, from the STRI giving the academic view.

Want to learn how pesticides are developed and produced and perhaps why fine turf products cost more than agricultural products then **Jonathan Hill**, from Rhône Poulenc may be able to give you the answers. Jonathan, Rhône Poulenc's Market Development Manager is a graduate, in Pure and Applied Biology, at Oxford. He joined Rhône Poulenc in 1991 as a Research Officer, testing herbicides. He moved to the Environmental Products Department in 1994 and became Market Development Manager, with a strong emphasis on new product developments.

Peter Wisbey is no stranger to Harrogate and, as Technical Director at the Sociedade Do Golf Da

Quinta Do Largo, he is well versed in warm weather grasses and the problems of providing irrigation. Indeed, Peter's Algarvian Experience has been for him and could be for you, a true Learning Experience.

David Whitaker, one of BIGGA's Master Greenkeepers has been at the Wisley Golf Club for five years. As Course Manager, David has had to control and monitor the course maintenance budget and so is well qualified to present his ideas on how a budget should be managed. As more clubs become cost conscious then budget management becomes more important for greenkeepers.

Neville Pearson, who has been responsible for several golf course developments in Lancashire, Cheshire and the West Midlands, has worked for ADAS in the North West since 1979. Recent projects include the redesign and construction of a municipal course, the design and project management of new holes for a private club and the development of new courses from farmland.

The weather is a key part of **Trevor Smith's** talk. Trevor is the Past President of the Canadian Golf Course Superintendents Association and he will be talking about the effects of the harsh Canadian winters on their golf courses.

Alan Gange and **David Garthwaite** have been conducting research into the use of pesticides on golf courses. Alan, from London University will discuss some ideas on golf course ecology, including the mycorrhizal relationship of poa, festuca and agrostis species. David, from the Central Science Laboratory will present the preliminary results of the 1994 golf

course survey, including, response rates, estimated annual usage, reasons for use and comparisons with other agricultural and horticultural areas.

John Wells has been a greenkeeper for 20 years, starting his career at Welwyn Garden City. Now at Bocket Hall Golf Club, John has recently qualified as a Master Greenkeeper and will be awarded his certificate at Harrogate. John will talk about the change from soil based to sand based greens, concentrating on the different management techniques required for each.

David Winterton is the second newly qualified Master Greenkeeper to speak at this year's conference. David, who is the Course Manager at Donnington Grove Golf Course, feels that his staff are the most important resource that he has and his talk explains this belief.

How to cope with managing a golf course up a mountain, given the problems of snow and diseases and how to rebuild 18 greens in five months are the subject of **Ian Tomlinson's** talk. Ian, the Course Manager at Lausanne Golf Club in Switzerland is not only a member of BIGGA but is also the Vice President of the Swiss Greenkeepers Association.

The National Education Conference is rounded off by a keynote speech from **Dr Joe M Vargas jr.** Recently described by Jim Arthur as a "Masterpiece", Joe is Professor of Botany and Plant Pathology at Michigan State University. Joe will compare creeping bentgrass and annual meadow grass to illustrate which is stronger, commenting on cultural practices, pest management and folk lore.

EDUCATIONAL SEMINAR SPEAKERS

Wednesday morning sees the start of the BTME seminar programme. Session A is presented by the Institution of Agricultural Engineers and includes **Mark Gunter**, from the Toro company, speaking on the Technology used in Managing Irrigation Systems, **Tim Lodge** from the STRI, speaking on Irrigation Need in relation to Green Design and **Maggie Pratt** from the National Rivers Authority on Water Resource Implications for Golf Course Design. With irrigation systems sometimes seen as an unnecessary extravagance, 1995 has illustrated the folly of such thinking. It is important to deploy the best available technology to make the best use of available resources. Come to this seminar and discover what it is.

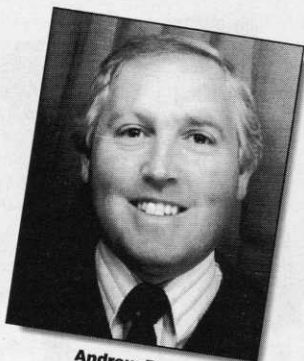
Trevor Smith, Past President of the Canadian Golf Course Superintendents Association returns to start off the afternoon session with a talk on the CGSA and how it fits into the game of golf in Canada,

Two more of BIGGA's prize winners appear next. **David Walden**, Zeneca Premier Greenkeeper of 1994, has been in greenkeeping since 1973 and now works as Golf Course superintendent for Nene Valley Golf Services in Peterborough. David has recently completed his HNC, by distance learning, is qualified as a D32 and D36 assessor and is working towards D33. David will relate his experiences in winning the Premier Greenkeeper of the Year Competition and what difference winning has made to his career.

Euan Grant was the TORO/PGA European Tour Student of the Year 1994. He has recently moved from the Effingham Golf Club in Surrey



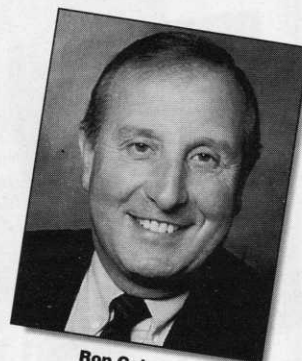
Sue Gudgeon



Andrew Boyd



Gary T Grigg



Ron Coleman

to the Royal Jersey Club, so his title 'Back Down to Earth' may be somewhat misleading. Euan graduated from Leeds University with an honours degree in Sport and Leisure Management but decided that greenkeeping was for him. His choice of career was obviously the correct one judging from his progress so far. Euan will talk about his experiences leading up to, during and after the Student of the Year Competition.

New to Harrogate as speakers are representatives from three of the four Home Golf Unions. First, **Neil Hayward** from the English Golf Union will discuss the Role of the Unions Today. Neil joined the EGU in 1991 and is employed as the Golf Development Course Secretary. His work includes administration on behalf of the Golf Course Committee and he has been responsible for organising a series of workshops for golf club officials. The second speaker in this seminar is **Joe Furlong**, from the Golfing Union of Ireland. Joe retired in 1992, after spending 46 years with the Dublin Port Authority. His involvement with golf began in 1968 when he joined the Royal Tara Golf Club and he has been involved with the GUI since 1975. Joe is well qualified to talk on the Evolution of Greenkeeper Training in Ireland and will discuss how training has changed and will continue to change. The final golf union speaker is **Bob McLaren** from the Scottish Golf Union. Bob has played golf since he was ten years old, has been President of the Scottish Golf Union and is, currently, Chairman of the Greenkeepers Training Committee. Bob has seen many changes in the game of golf and with a 'foot in both camps', he is ideally suited to look at the relationship between greenkeepers, golf clubs and SGU.

Last year's severe drought illustrated all too well, the need to monitor wisely the use of water for irrigation. **Peter White**, runs a water monitoring business in the UK, Portugal and Spain. He measures what is actually happening in the soil, so taking the guess work out of irrigation. Peter will illustrate what can happen, what can be done about it and how things might change in the future.

Lorraine Hatton, from Plan It Training and Consultancy, ably assisted by **Sue Gudgeon** from the GTC, will be looking at the training of greenkeepers. They will aim to show that training is not something just to be completed at the start of a career but should be continued throughout working life. Lorraine is well known to many greenkeepers who have been working towards an assessor award and Sue has been involved with BIGGA, the GTC and assessor training.

If you can't see the wood for the trees then **Andrew Boyd** from Bridlington Golf Club may be able to help. Andrew has been involved with greenkeeping since he was 16 and now manages Bridlington's oldest established golf course. Andrew's talk covers the progress of a tree planting programme at Bridlington, what grants were available, the added value that trees give to his course and he also looks to the future.

How do you put evidence together for presentation to an assessor? What is a portfolio? These are just two of the questions that will be answered during **Brin Bendon's** talk on Portfolio Development. Brin is well known to delegates on BIGGA Supervisory Management Courses, which he has presented for two years at Aldwark Manor.

Brin, a training consultant with Vector Training, is a very experienced trainer, both indoors and outdoors. An enthusiastic hill walker and climber, Brin runs management courses 'out in the hills' as well as in the classroom. Brin will be the tutor on several of the Regional Supervisory Management Courses commencing in February.

Jenny Rolf lectures in psychology at the College of St Mark and St John, which is affiliated to Exeter University. Jenny seems to manage her stress by gardening, interior decorating and walking the hills and coastline of Devon. In her talk, Jenny will attempt to define stress, show you how to recognise it, cope with it and manage your staff so as to reduce it.

Back across the pond for our next speaker, **Gary T Grigg**, President of the Golf Course Superintendents Association of America. Gary who is the Superintendent at the Royal Poinciana Golf Club in Naples Florida has been a member of the GCSAA for 24 years and has served on its board for six years. Gary holds Masters Degrees in entomology and agronomy and a bachelors degree in agriculture. Gary's talk will show how the role of the superintendent has expanded through the years and how the GCSAA has developed to meet that change in role, which should be familiar territory to BIGGA members.

Ron Coleman is the Managing Director of Lubrication Engineers in the United Kingdom. He has 30 years experience in the field of lubricants and is therefore well qualified to deliver a talk on how improved lubrication practices can assist in improving efficiency and reduce operating costs.

Stan Zontek's second speech of the week looks at New Trends in Turfgrass Management in the US. Stan, who is the Director of the Greens Section Mid Atlantic Region of the USGA. This time, Stan looks at long and short term trends in turfgrass management including Integrated Pest Management and Best Management Techniques and the trend to make many US golf courses more 'natural' like many in Britain.

Improve your golf course but don't spend too much seems to be the theme of **John Armitage's** talk. John, who is a member of the R&A, chairman of green at Littlestone Golf Course and a director of Green Eagle Golf, who design and build golf courses, seems to have found six techniques which are easy to implement at little cost yet improve the course dramatically.

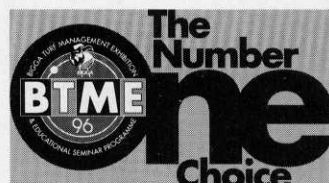
Our final seminar of 1996 reintroduces **Dr Joe Vargas**. Joe, who is also speaking at the National Education Conference, is Professor of Botany and Plant Pathology at Michigan State University and a well known and respected author. Joe's talk is about Integrated Pest Management and its role in turfgrass management, covering cultural, biological, genetic and chemical pest management as well control methods designed to reduce pesticide use.

Quiz answers

Janet Adamson	Cross Country
Sami Collins	High Jumping
Carol Dutton	Middle Distance running
Louise Lunn	Trampoline
Bill Lynch	Basketball
Scott MacCallum	Shinty
Vickie Peckham	Netball
John Pemberton	Rowing
Ken Richardson	Football
Neil Thomas	Cricket
Pauline Thompson	Swimming

WHO'S AT THE SHOW

GUIDE TO EXHIBITORS



ADAS

Stand No. D29
Tel: 01568 780427, Fax: 01568 789519

Contact: Stewart Finney

Visitors to the ADAS stand will be able to sample "The Whole in One" experience. This comprehensive service draws on the full range of unique expertise for golf course development and management that we provide to our customers throughout the UK. Examples of recent projects will be on show including; new courses, extensions, remodelling, clubhouse construction, ADAS sports turf research and laboratory services. Details of the practical and highly successful ADAS Golf Course Management Scheme now in its third year will also be featured. These and use of ADAS aerial photography to assist in course planning and subsequent maintenance complete our comprehensive offer to the golf industry.

M J ABBOTT LTD

Stand No. B3
Bratch Lane, Dinton, Salisbury, Wiltshire, SP3 5EB,
Tel: 01722 716361, Fax: 01722 716828
Contact: Robert G Donald

M J Abbott Ltd offer a comprehensive range of specialist services to customers within the sportsground industry. On display will be "state of the art" techniques that we use in the construction, land drainage and irrigation of sports pitches and golf courses. The company, with over 30 years experience, operates throughout Europe using dedicated plant especially adapted for the specialist needs of amenity and leisure contracting. As market leaders, M J Abbott Ltd are able to offer the unparalleled expertise and workmanship you need for your project. Please visit and discuss your requirements with our experienced members of staff.

AITKENS SPORTSTURF

Stand No. A35
Unit 18, Moor Lane Trading Estate, Sherburn in Elmet,
North Yorkshire, LS25 6DX, Tel: 01977 681155, Fax:
01977 684636

Contact: Peter Fell

Richard Aitken and his staff will be pleased to welcome customers old and new to their stand at BTME '96 Harrogate. On display are a number of new and interesting products, furthering the choice Aitkens can offer to greenkeepers, groundsman and turf managers. The most comprehensive choice available.

ALLEN POWER EQUIPMENT LTD

Stand No. A26
The Broadway, Didcot, Oxon, Tel: 01235 813936,
Fax: 01235 811491
Contact: Lance Basset

On the Allen Stand will be the new Allen National 68D/L, the 68in triple designed with golf courses in mind. We shall also have Allen Hover Mowers, 16", 18" and 21" machines including the 218si powered by the 120cc M120X Suzuki engine. The new Allen 'Wheeltrim' wheeled trimmer and the professional range of Zenoah brushcutters and hedgecutters will be seen. Also on show will be walkover sprayers, Groundsman, Paddockmaster and professional models.

ALLETT MOWERS LTD

Stand C10
Trevithick Road, Willowbrook East Industrial Estate,
Corby, Northants, NN17 5XY, Tel: 01536 268950
Fax: 01536 201856
Contact: David Allett

Allett mowers will be displaying a selection of their fine cut cylinder mowers including the Shaver and Tournament models. These are extremely fine cut pedestrian machines for greens. The Gazelle and Buffalo range are more general purpose machines for boxing off tees and surrounds. Also on display will be the Ranger gang mowers for fairways and rough.

AMENITY LAND SERVICES LTD

Stand No. B9
Long Lane, Wellington, Telford TF6 6HA, Tel: 01952
641949, Fax: 01952 247369
Contact: Ivan Robert Toon

ALS supply and advise on the use of a wide range of turf related products and services, i.e. pesticides, fertilizers, seed


and top dressing. All our staff are highly qualified and are always at your service. ALS "Contract Services" apply herbicides and other pesticides in accordance with the standards laid down by the NAAC and Monsanto's Quality Circle. We are widely accepted as being the best in the business and in addition to all this we carry out a full free agronomy service. Our ultimate aim is to breath fresh life back into golf courses.

Come and say hello to

NEIL THOMAS

Executive Director of the
Association

on the BIGGA Stand, D31



AMENITY TECHNOLOGY

Stand No. C40
The Clockhouse, 286 Kings Road, Reading,
Berkshire, RG1 4HP, Tel: 01734 510033, Fax:
01734 510044

Contact: Carl Crome

Amenity Technology is once again pleased to be on stand C40 at the BTME.

This year we have pleasure in exhibiting old favourites such as Define, Greenlawnger, Lake Colourant, Moisture Smart, Bout Marker, Hand Cleaner and Shakedown Antifoam. Alongside these you will find the Golf Hole Indicator, Meterite Soil Test Kit, The Drencher Gun Hose end applicator as well as an improved HIO hole cutter, The HIO USA. Hot on the heels of our SALTEx launch of the ROOTS2 range of micronutrient formulation that enhances fine turf growth and stress tolerance.

ASKHAM BRYAN COLLEGE

Stand No. D10
York, YO2 3PR, Tel: 01904 702121, Fax: 01904
702629

Contact: Nick Bissett

In addition to our established NVQ Level II and III programmes, run on block release, we offer turf options on NDH and Golf Management options at HND level. Successful completion of HND may lead to one year bolt-on degree of BSc in Land Management.

ASSOCIATION OF GOLF CLUB SECRETARIES

Stand No. D8
7a Beaconsfield Road, Weston-Super-Mare, BS23
1YE, Tel: 01934 641166, Fax: 01934 644254
Contact: Ray Burniston

Membership currently consists of 1900 of whom about 1500 are serving Secretaries or Managers of golf clubs. The Association offers from its headquarters help and support on matters appertaining to golf club management. Training courses for potential and existing Secretaries are run on a regular basis. From some sixteen regions throughout the UK regular business meetings are held and a National Conference is held every third year. The Association has an extensive information library to help their members and clubs.

ATTERTON & ELLIS LIMITED

Stand No. A7
Iron Works, Hamlet Road, Haverhill, Suffolk, CB9
8QH, Tel: 01440 702312, Fax: 01440 712138
Contact: David Smith

For over 100 years, Atterton and Ellis have led the field with their innovative range of grinding machines.

On show will be the top of the range Express Dual '2000DX', now manufactured and fully guarded to comply with the mandatory European legislation and representing the perfected answer for those who wish to sharpen both 'in-situ', with the cylinder still in the cutting unit or with the cylinder removed.

This feature packed cylinder grinder is the latest in a long line of successful Dual models and includes a relief grinding attachment and an electric drive lifting table.

The Anglemaster '2000DX' bottom blade grinder, also complies with the EC legislation and will be shown featuring power traverse and coolant attachment.

AVONCROP AMENITY PRODUCTS

Stand No. B7
Northfield, Station Road, Sandford, Nr Bristol,
BS19 5NX, Tel: 01934 820868, Fax: 01934
820546

Contact: Mr D Padfield

A warm welcome is extended to all visitors to our stand where technical staff will be pleased to discuss with you our extensive range of turf care products. A first class service is offered from our warehouses near Bristol and new depot at Bracknell, Berkshire. Unlike many of our competitors we hold large stocks in order to satisfy our customers needs with the minimum of delay. If you wish to discuss chemicals, fertilisers, grass seed mixtures, topdressings or general sundries. Please come and talk to us.

BAILEYS OF NORFOLK

Stand No. A13
Brick Kiln Road, Hevingham, Norfolk, Tel: 01603
754607

Contact: Alan Bailey

We are manufacturers of Olympian turf dressings, on display are samples of our dressings, loams, sands, etc. Including Norfolk Fen soils.

BARENBRUG UK LTD

Stand No. A24
33 Perkins Road, Rougham Industrial Estate, Bury
St Edmunds, Suffolk, IP30 9NW, Tel: 01359
270766, Fax: 01359 271021

Contact: Michel Mulder

Displayed at the Barenbrug stand A24 are examples of their continuing success breeding top quality grasses. After the dry Summer, greenkeepers planning their Spring sowing will enjoy the opportunity to investigate Barenbrug's drought-resistant fescues; superior varieties such as Baruba, Bargreen and Barcrown. Barenbrug also offers the best perennial ryegrasses, so favoured by ever more greenkeepers for fairways and tees. Barlinda, Barclay and Barrage fit the bill perfectly. Barenbrug's 90 years' experience, pioneering the latest technologies, allows us to comprehensively cater to the needs of today's turf managers. In fact, you could say we've got grass down to a tee.

E P BARRUS

Stand No. C8
Lawnton Road, Bicester, Oxon, OX6 0UR, Tel:
01869 363636, Fax: 01869 363600
Contact: Mark Mitchell

E P Barrus Limited will be showing a range of Victa professional lawnmowers and Bluebird lawncare equipment on stand C18. Victa lawnmowers are firm favourites with local authorities, contractors, greenkeepers and landscapers. The complete Victa range includes both two and four stroke engine models, with cutting widths from 18" to 24". Bluebird scarifiers and aerators are perfect for de-thatching, aeration, hollow coring and solid tining. All these products are available from specialist dealers through E P Barrus Ltd, who are able to offer complete spares and service support.

BETTER METHODS - EUROPE

Stand No. B34
Brantwood House, Kimberley Road, Parkstone,
Poole, Dorset, BH14 8SQ, Tel: 01202 740142 Fax:
01202 722300

Contact: Richard Horner

Better MethodS are showing their range of popular hand tools and turfcare equipment essential for the preparation and maintenance of all fine turf areas. Included are Soil Samplers, Turf Repair Tools, Levelawn lutes and Aerators. Special tools for golf courses include the well known Turfmaster Golf Hole Cutter and the official U.S.G.A. Stimp-meter for regulating green speeds, also featured are American Eagle golf course accessories, FMW flag pins, flags and signs etc, Jonjo and Mikko bunker rakes plus the new range of Bray seed slotters and a new pop-up sprinkler head trimmer. Our catalogue gives details of the full range and prices.

★ There is no truth in the rumour that Ranulph Feines is on standby to be a guest speaker if the weather becomes too severe.

BIGGA NORTHERN REGION

Stand No. D19

5 Lynam Way, Madeley, Crewe, Cheshire, Tel: 01782 750539

Contact: Bob Lupton

Meeting point for Northern members. Details of region/section events will be available as will details of regional seminars in February. Our regional patrons will also be available to answer any queries.

BLAZON EUROPE

Stand No. D21

24 Badgers Court, Langton Hills, Basildon, SS16

6AU, Tel: 01268 413798, Fax: 01268 416434

Contact: Richard Fry

Blazon is the only spray pattern indicator recommended and approved by Hardi, the worlds leading manufacturer of spraying equipment.

Visitors to the Blazon stand will be able to discuss at first hand how this unique, non-staining application aid will improve spraying effectiveness, increase application efficiency and encourage environmental responsibility.

With the addition of Blazon to the tank solution, unnecessary and wasteful spray overlap is eliminated, double dosing prevented and missed areas identified. In addition spray operators are able to constantly monitor how changing air conditions affect spray drift and detect at a glance inconsistencies caused by faulty or worn nozzles.

Other stand attractions will include the new turf renovation product, Liquid Green, the opportunity to obtain a free spray calibration aid and information on how to win a top of the range 800 litre Trailer Sprayer and Walking Boom.

BIGGA members will find the visit particularly rewarding as they will be able to see on display a Blazon sponsored work aid that has been made available to all UK clubs where there is an Association member.

BLEC LANDSCAPING EQUIPMENT CO LTD

Stand No. C36

BLEC House, 73 Riverside, Deeping Gate,

Peterborough, Tel: 01778 342829, Fax: 01778 341098

Contact: Gary Mumby

BLEC are expanding their range of turf care equipment for 1996 with the launch of two new overseeders at this years BIGGA exhibition. The first is a pedestrian controlled seeder for fine turf areas. The second is tractor linkage or towed drawbar overseeder for work on fairways.

On display will be a selection of overseeders and top dressers including the unique pro-seed machine. Also for 1996 BLEC are expanding their hire fleet to accommodate the growing demand in this sector of the market. The BLEC team look forward to seeing you all again at BTME.

BOUGHTON LOAM/TURF MANAGEMENT SYSTEMS

Stand No. C38

Telford Way, Kettering, Northants, NN11 8UN, Tel: 01536 510515, Fax: 01536 510691

Contact: Mike Franklin

We will be showing our exciting range of products including our recently launched economy dressing and divot mix, together with the revolutionary pre-germinated seed and liquid sod grass seed products. We look forward to welcoming all our customers old and new. Our new brochure will be launched at BTME '96.

BOURNE AMENITY

Stand No. C15

Newenden, Cranbrook, Kent, TN18 5QG, Tel: 01797 252298, Fax: 01797 253115

Contact: Dick Reid

Bourne Amenity and Tilcon Ltd are jointly exhibiting at this year's BTME. Bourne Amenity are a major producer in the South of topdressing and rootzones and are representing Tilcon with the promotion of Dunlop Sports Sand.

Bourne Amenity will also be promoting their range of amenity services including sportsfield construction, drainage design and installation and winter pitch re-instatement. Dick Reid, Bourne Amenity's drainage expert will be available at Harrogate to offer any help and advice.

BOYD GOLF COURSE ACCESSORIES

Stand No. A39

67 Gray's Hill, Bangor, Co Down, Northern Ireland, BT20 3BB, Tel: 01247 271163, Fax: 01247 471136

Contact: Alan Boyd

Irelands leading golf course accessories and equipment manufacturers will be on show once again at BTME, and hope to offer Greenkeepers from near and far the opportunity to view the full range of tools and accessories.

The Boyd Golf Accessories on show will include the new "Elite" holecutter both long and short handled, the combination hole cup puller setter trimmer combines three tools in one, the Boyd aluminium hole cups which are machined both on the outside and the inside, allow the fitting of a white hole cup liner for those special competitions, along with many other tools and accessories of interest.

Call and see us on Stand A39, all will be welcome.

Come and say hello to

JOHN PEMBERTON

The Association's
Administration Manager

on the BIGGA Stand, D31



BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION

Stand D31

Aldwark Manor, Aldwark, Aline, York, YO6 2NF, Tel: 01347 838581 Fax: 01347 838864

Contact: Neil Thomas, John Pemberton, Ken Richardson, Bill Lynch, Scott MacCallum, Carol Dutton, Louise Lunn, Vickie Peckham, Pauline Thompson, Janet Adamson, Sami Collins

BIGGA welcomes all visitors to Harrogate once again. The Association is delighted to be organising the event which in its eighth year has developed into the largest indoor exhibition throughout Europe with the addition of Hall D. At the BIGGA stand you will be able to obtain all current BIGGA literature and be updated on developments within the Association. Details of membership of the Association will be available and for those so wishing there will be the opportunity to complete applications whilst visiting the stand. The full range of BIGGA merchandise will be on sale, including some special offers not to be missed. Also details of the Trims computer software package will be available. Be sure to pick up your copy of Greenkeeper International which has a circulation of 9,500 world wide - essential reading for greenkeepers, golf officials and the industry. The Association's staff look forward to meeting you on the stand where much lively and informed discussion can be assured.

BRITISH ASSOCIATION GOLF COURSE CONSTRUCTORS

Stand No. D3

2 Dairy Yard, High Street, Market Harborough, Leics, LE16 7NL, Tel: 01858 464346, Fax: 01858 434734

Contact: Tim Banks

The Association aims to promote the development of the golf course construction industry in the UK to promote also the adoption of policies that will ensure a high quality of workmanship and working practices within the industry.

The Association would welcome enquiries from prospective clients on the stand where a copy of the brochure is available outlining in detail members and the aims and objectives of the Association.

BRITISH OVERHEAD IRRIGATION LTD

Stand No. C26

Upper Halliford Green, Shepperton, Middlesex, TW17 8SB, Tel: 01932 788301, Fax: 01932 780437

Contact: Gerry Wilkins/ David Jones

With an entirely new exhibition stand this year, B.O.I.L. will be mounting an eyecatching display of up to the minute hardware and automatic control equipment for golf course irrigation. Our experienced and knowledgeable staff will welcome the opportunity to discuss any irrigation requirement with you.

BRITISH SEED HOUSES

Stand No. A12

Bewsey Industrial Estate, Pitt Street, Warrington, WA5 5LE, Tel: 01925 544111, Fax: 01925 230682

Contact: Roger Saunders

On display on stand A12 is Providence, British Seed Houses' new creeping bent grass. Ideal for use on golf course greens and tees, Providence has high STRI ratings for all its characteristics. The cultivar has an outstanding shoot density, is extremely hard wearing and provides a good colour throughout the year. In addition the company's range of 25 top quality "Grade A" amenity mixtures will also be on show, together with Lex 86, a new low-growth amenity ryegrass. Particularly suited to turf production and golf fairways, Lex 86 germinates and establishes quickly to form a dense turf with a fine leaf texture.

BRITISH SUGAR PLC

Stand No. D24A

Oundle Road, Peterborough, PE2 9QU, Tel: 01733 422351, Fax: 01733 422682

Contact: Dr Ash Solanki

British Sugar is able to offer large quantities of arable topsoil annually. All material has undergone extensive conditioning, resulting in a consistent product of low stone content. This topsoil is unique to British Sugar and is available in a range of grades countrywide, full analysis available. There are eight sites located throughout the country.

Our current markets include, recreational areas, such as football pitches, parks and golf courses, as well as landscaping projects, bank construction, land improvement and regeneration. We can provide loading and weighbridge facilities, competitive prices, consistent supply, delivered packages as well as general advice.

BROADSIDE PUBLISHING LTD

Stand No. C18A

Broadside, Limsfield Chart, Oxted, Surrey, RH8 0SZ, Tel: 01883 730270, Fax: 01883 730570

Contact: John Wilson

Publishers of the independent and widely acclaimed monthly management newsletter The Golf Club Secretary. The 900+ golf clubs which are already subscribers also receive a ring binder in which to store past issues and supplements, a permanent file containing updates, reprints of earlier articles, a free advisory/enquiry service and other benefits.

Visitors to stand C18A can obtain two sample issues of the newsletter free of charge. Also on offer at a special BTME price will be Welcome to the Committee, a paperback giving essential information and advice to anyone serving on a golf club committee.

CMW EQUIPMENT CO

Stand No. A21

3 Priors Way, Coggeshall, Essex, Tel: 01376 562569, Fax: 01376 563183

Contact: Mick Moss

CMW will be exhibiting the tool that has taken the greenkeeping profession by storm - "Big Dewie" if you have not got one you need to visit stand A21 to investigate further. Also on show will be new cast alloy ball cleaners. Straight plunger and spiral plunger available. As always, from CMW, competitively priced. As well as the extensive range of golf course furniture manufactured by CMW we will also be exhibiting our increasingly popular range of personalised and general workwear, specifically selected for greenkeepers.

CANNINGTON COLLEGE

Stand No. D18

Cannington, Nr Bridgwater, Somerset, TA5 2LS, Tel: 01278 652226, Fax: 01278 652479

Contact: Mr N Rignen

Cannington is recognised as one of the premier greenkeeping colleges in Britain and is approved by the Greenkeepers Training Committee. Cannington has a wide range of facilities including a high specification 9 hole golf course open both to members and the public. The college offers a range of high quality training and education, from NVQ 1-4 to a three year full time HND in Golf Course Management. A new course which started in Autumn '95 is the HNC in Golf Course Management and is available through the part time route. If you would like to know more information about the range of courses on offer at



COUNTY CROPS

A m e n i t y D i v i s i o n

Longlife

'Turf Mark'

DACONIL²⁷⁸⁷ TURF

Greenshield

ENFORCER

Intrepid

**Gamma-Col
TURF**

'ULTRA-GREEN'

Main Distributor

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AGRONOMY HOUSE
KNUTSFORD ROAD, LYMM
CHESHIRE WA13 0TD
TEL: 01925 758886

AD
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499

'Daconil' Turf contains chlorothalonil. 'Enforcer' contains dichlorophen. 'Gamma-Col' Turf contains lindane. 'Greenshield' contains chlorothalonil and carbendazim. 'Intrepid' contains dicamba, dichlorprop and MCPA. Products marked thus 'Enforcer' are trade marks of Miracle Garden Care Limited. 'Greenshield' and 'Daconil' 2787 are trade marks of ISK Biosciences Limited. 'Turf Mark' is a trade mark of Becker-Underwood Inc., USA. READ THE LABEL BEFORE YOU BUY: USE PESTICIDES SAFELY.

EQUIPMENT CHEMICALS

chemicals, tools, fuel
equipment, adhesives
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SITESAFE**

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Civil Engineering and Earthworks Contractors

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- ◆ Quality
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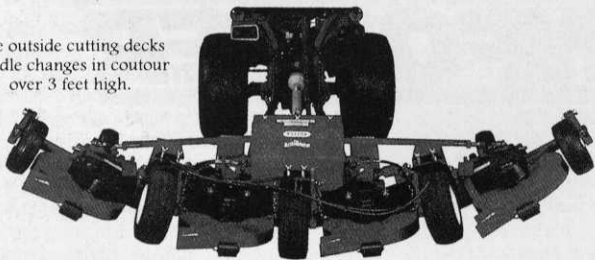
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INCREDIBLE FOR WHAT THEY DO

The outside cutting decks
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Articulators from LasTec offering the highest
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- Precise length •
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- And of course, No Scalping

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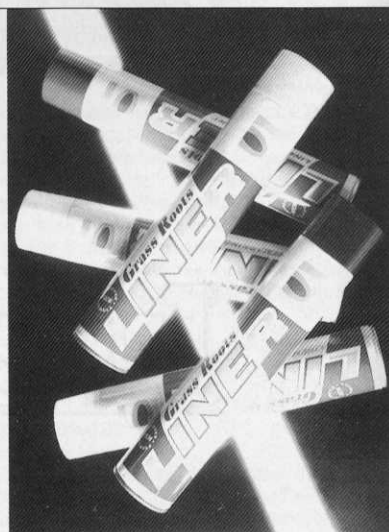
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other applications - when
you need to make your
mark, it's time to get back
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£3.99 each for 30 or more
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**GRASS ROOTS
TRADING COMPANY**

Grass Roots House,
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Berkshire, RG11 1HL

Tel: 01734 771185 (7am - 9pm)
Fax: 01734 785116

Cannington, why not come and talk to us on our stand (D18) at Harrogate.

CHARTERHOUSE TURF MACHINERY LTD

Stand No. A18

Weydown Industrial Estate, Weydown Road, Haslemere, Surrey, GU27 1DW, Tel: 01428 661222, Fax: 01428 661218

Contact: David Jenkins

Charterhouse Turf Machinery on Stand A18 has some exciting developments on display. The verti-Drain has become the turf manager's ally in the fight against compaction and the latest model will be on show. The Turf Tidy, launched at BTME last year will again be on show, as will the Greens Dress III top dresser. Charterhouse Turf Machinery is promising more new products in the coming year making the stand one which should not be missed by grounds managers and greenkeepers. Sales Director Philip Threadgold and his team look forward to meeting established and new customers.

CLEVELAND SITESAFE LTD

Stand No. B26

Park Farm, Dunsdale, Guisborough, Cleveland, TS14 6RQ, Tel: 01642 475009, Fax: 01642 471036

Contact: Irvine Weston

Cleveland Sitesafe Ltd manufacture and supply a wide range of all steel, highly secure, movable storage and accommodation units for chemicals; tools; fuel; equipment and personnel.

COOPER PEGLAR

Stand No. D25

4/5 Watling Close, Sketchley Meadows Ind. Est., Hinckley, LE10 3EX, Tel: 01455 233811, Fax: 01455 233815

Contact: Nick Wood

With over 100 years experience in spraying technology we can offer a range of sprayers to cater for almost all of your horticultural needs. From a 1.5ltr hand operated sprayer to a 300ltr tractor mounted sprayer, or our new 12 volt units ranging from 30ltrs to 100ltrs.

We can offer you the right product at the right price and of course the Cooper Peglar know how.

Come and say hello to

BILL LYNCH

Sales and Marketing Manager

on the BIGGA Stand, D31



COUNCIL OF EUROPEAN GOLF COURSE ARCHITECTS

Stand No. D1

2 Freemantle Cottage, Grove End, Bagshot, Surrey, GU19 5HY, Tel: 01276 453210, Fax: 01276 453211

Contact: Sheila Fumival

The British Institute of Golf Course Architects, (BIGCA) will join forces with The European Society and the French Association to exhibit a co-ordinated stand under the title of The Council of European Golf Course Architects.

BIGCA, ESGA and AFAG are working together to form a European Federation of Golf Course Architects' group and to this end will be at Harrogate together for the first time.

Visitors will be able to discuss golf course design with a number of Europe's leading golf course architects on the stand and learn more about BIGCA's role in the field, and that of its fellow bodies.

COUNTY CROPS - AMENITY DIVISION

Stand No. B23

Knutsford Road, Lymm, Cheshire, WA13 0TD, Tel: 01925 758886, Fax: 01925 756349

Contact: David Atkinson

County Crops - Amenity Division are suppliers of product for the maintenance of sports turf. We are Main Distributors of Miracle Care (formerly Zeneca), Rhone-Poulenc and Vitax Chemicals. We have our own range of Fineturf/Outfield Fertilisers, Grass Seed Mixtures, Line-Marking Paints/Compounds, Grade Sands/Gravels, Top Dressing etc.

The Division have 'BASIS' qualified Technical Representatives who will be available to help solve your problems and discuss your needs.

We are a new division backed by over 100 years of experience.

COURSE CARE

Stand No. C16

Parkway House, Worth Way, Keighley, West Yorkshire, BD21 5LD, Tel: 01535 611103, Fax: 01535 611546

Contact: John Wood

Course Care is the major supplier of fine turf machinery maintenance products. See Course Care 30 the leading universal lubricating oil for 500 hour operation and Highplex the industry's most effective grease. We have Greenguard non turf burning hydraulic, two stroke in sachets, Diesel Tonic 365 fuel system cleaner.

The Course wear range of foul weather and personalised clothing is on display with the full range of Course Care environmental services looking after oil, filter and waste packaging disposal. Come and talk machinery solutions, or just talk - we look forward to seeing old friends and new ones.

Experience 'Reel' savings and make your course a 'Cut' above the rest

- Arkley Golf Club
- Ashbury Golf Club
- Beadlow Manor Golf & Country Club
- Bramley Golf Club
- Caley Golf Club
- Carnoustie Golf Links
- Carnveira Golf SA (Algarve)
- Cavendish Golf Club
- Cawdor Golf Club
- Charleslands Leisure (Co. Wicklow)
- Chirk Castle Golf Course
- Clitheroe Golf Club
- Collingtree Leisure
- Crompton & Royton Golf Club
- Delapre Golf Complex

- Eaton Golf Club
- Ely City Golf Club
- Fortrose & Rosemarkie Golf Club
- Gleneagles Hotel
- Goring & Streetley Golf Club
- Haggis Castle Club
- Harpenden Golf Club
- Harrow School Golf Club
- Hellidon Lakes Golf & Country Club
- Kinross (Green Hotel)
- Leashowe Golf Club
- Leek Golf Club
- Lingfield Park
- Lymm Golf Club
- Malone Golf Club

- Massereene Golf Club
- Mere Golf & Country Club
- Milltown Golf Club (Dublin)
- Mold Golf Club
- Mount Murray Golf Club (IOM)
- Muirfield (Gullane) Golf Club
- Newbury & Crookham Golf Club
- Newcastle-under-Lyme Golf Club
- Northwood Golf Club
- Omeade Fields Golf Club
- Pitdown Golf Club
- Pineridge Golf Club
- Ponteland Golf Club
- Preston Golf Club
- Rowlands Castle Golf Club

- Royal Ashdown Forest Golf Club
- Royal Dornoch Golf Club
- Royal Liverpool Golf Club
- Royston Golf Club
- Rye Golf Club
- St Andrews Links Trust
- Sherborne Golf Club
- Slaley Hall Golf & Country Club
- South Moor Golf Club
- Taunton & Pickering Golf Club
- Telford Park Golf Course
- Telford Golf Club
- Temple Golf Club
- The Berkshire Golf Club
- The Vale Golf & Country Club

- Turnberry Hotel
 - Tyneside Golf Club
 - Wellingborough Golf Club
 - West Herts Golf Club
 - West Sussex Golf Club
 - Whitecraigs Golf Club
 - Worpleston Golf Club
 - Wynyard Hall Golf & Country Club
- NEW CUSTOMERS:**
- Ashbourne Golf Club
 - Cottesmore Golf & Country Club
 - Nairn Golf Club
 - Ramsdale Hall Golf Club
 - Torquay Golf Club
 - Wanstead Golf Club

Jupiter.
42" capacity
Mower
Cylinder and
Bottom
Blade
Grinding
Machine.
A truly
'precision'
grinder, built
to last half a
century.
Used and
preferred by
Professionals.



SATISFIED CUSTOMERS:

"Every forward thinking Golf Club should have a Juno in their workshop, a truly excellent machine." Mr. Mark Jones, Head Greenkeeper, Preston Golf Club.

"Hunter's relief grinding is far superior to anything I have ever seen, each blade cuts true, the savings are substantial and the cost is minimal." Mr. Roger Shaw, Course Manager, Ramsdale Hall Golf & CC, Co Durham.

"We hand cut our greens for the first time in years, thanks to the Juno." Mr. Stuart Hogg, Head Greenkeeper, Fortrose & Rosemarkie Golf Club, Ross-shire.

"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.



Juno 36". Will accommodate every make and type of professional cutting cylinder and bedknife. Can 'in-situ' grind many greensmower reels. Water cooled (eliminates dust and heat), simple and fast to use, accurate 'relief angle' grinder.

YES! All these golf clubs are breathing a big sigh of 'Relief' - let us tell you why!

With our unique and accurate 'Relief angle' grinding method which: ● Reduces contact between cylinder and bedknife (blades can last up to four times longer) ● Reduces drag which means less friction, less fuel, less problems, less maintenance ● Makes cutting units easier to 'set' ● Blades cut cleaner and stay sharper longer.

But the biggest 'relief' is cutting service costs, reducing downtime and improving standards.

See us at
BTME
Harrogate
24-26
January
1996



ERIC HUNTER GRINDERS LTD

HOBSON INDUSTRIAL ESTATE,
BURNOPFIELD, NEWCASTLE UPON
TYNE, NE16 6EB.
TEL: (01207) 270316 FAX: (01207) 270312

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**SUPPLIERS OF A WIDE RANGE OF
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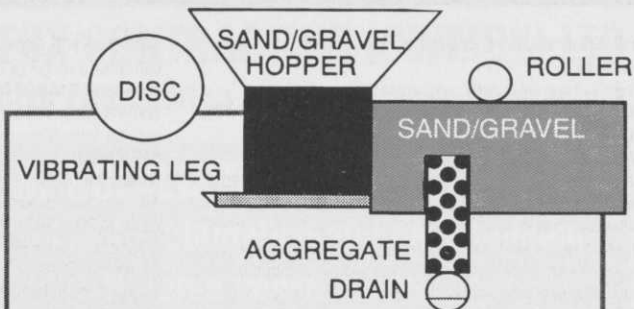
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98

SEWARD

TURF MAINTENANCE



Ex Stock £7625 Hire: P.O.A.

Link up your existing drains using the new Agri Band Drainer – a simple method of slitting the ground down to existing drain and backfilling with aggregate, with minimal disturbance. Call Seward Turf Maintenance on 01904 765949

SEE US ON STAND C28 AT BTME

Sutton Road, Wigginton, York

Tel: (01904) 765949 24hrs

FREEPHONE 0500 432120

AD
REF
45

See us
at BTME '96
Stand No. C23

TILDENET



Tildenet Economy Grass Germination Sheet

- ★ Grass Germination Sheets
- ★ Perimeter Safety Netting
- ★ Anti-Ballplugging Net
- ★ Ball-Stop Fencing
- ★ Padded and Net Bay Dividers
- ★ Chipping and Target Nets
- ★ EPIC Target Green

Tildenet Ltd, Longbrook House, Ashton Vale Road,
Bristol BS3 2HA

Tel: (0117) 9669684 Fax: (0117) 9231251

AD
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379

BL BOUGHTON LOAM LTD.

For

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

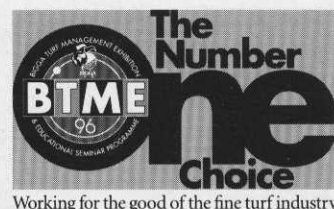
See us on
Stand C38
at BTME

Telford Way, Kettering,
Northants

Tel: 01536 510515

AD
REF
113

★ Look out for the **BIGGA** promotions girls wearing the **BIGGA** merchandise and distributing leaflets throughout the exhibition.



D & E TURF MAINTENANCE LTD

Stand No. A10
St Johns Schoolhouse, Central Parade, Shildon, Co Durham, DL4 1DL, Tel: 01388 608620, Fax: 01388 609552

Contact: Dave Stephenson

Once again BTME is upon us and D & E Turf are among the rest of the exhibitors. This year we have expanded the business considerably and we now have besides Dave and Jim Whitton on the service side, additional sales staff, Graham Scott ex course manager at Washington Moat House and Eddie Stead who many of you already know in the Yorkshire area.

As we are newly appointed Toro main dealers Graham and Eddie will be on the stand and will be on hand to discuss any of your turf maintenance, training and machinery requirements and will have details of new introductions for 1996.

D & E Turf bringing perfection into play.

DAVID HEMSTOCK ASSOCIATES

Stand No. C20
Suite 4d, East Mill, Bridgefoot, Belper, Tel: 0115 9499080

Contact: David Hemstock

David Hemstock Associates provide a comprehensive and cost-effective service to golf clubs who are considering any course improvements. This includes design, specification, and the organisation of site work on projects ranging from large scale extension and rebuilding schemes to minor remodelling work, technical upgrading, and operational improvements.

We offer detailed and comprehensive improvement assessment reports, with highly accurate course surveys and master plan production; specialising also in feasibility studies, grant and planning applications.

We have an extensive list of golf club clients, and excellent references.

Consultants available at the BTME include our Course Management Specialists, and agronomist Robert Laycock, MSC.

DENNIS

Stand No. C17A
Ashbourne Road, Kirk Langley, Derby, DE6 4NJ, Tel: 01332 824777, Fax: 01332 824525

Contact: Toby Clarke

Dennis will be exhibiting at Harrogate for the first time this year with their range of Professional Grasscare Equipment. The FT 610 (24" cut) and FT 510 (20" cut) cassette mowers have been sold to golf courses for cutting tees and greens. Their unique interchangeable cassette system allows the user to change from cylinder (9 or 5 blade) to verticutter, scarifier, brush or Sorrel roller in less than a minute.

Their latest development to be launched in the Spring is a dedicated quality hand Greensmower with a shorter wheelbase than the FT designed specifically to suit golf greens.

The Dennis sales team look forward to seeing you on their stand.

DRIVING FORCE LEISURE

Stand No. C45
Badcock House, Loddon Industrial Estate, Norwich, Tel: 01508 528828, Fax: 01508 520909

Contact: Ken Polley

Driving Force Leisure will this year be promoting new wetting agents for 1996 to supplement their already wide range. In addition a new portfolio of liquid feeds and biostimulants from the USA will be launched for Spring '96. Our stand will have displays of Winter tee mats and frames together with all the information you require for practice ground equipment. Put this together with our guaranteed next day delivery service on stocked products and you too could be better off after visiting our stand, C45.

EAGLE PROMOTIONS LTD

Stand No. D30
Unit 1, Clearway Court, 139-141 Croydon Road, Caterham, Surrey, CR3 6PF, Tel: 01883 344244

Contact: Philip McInley

Eagle Promotions offer a comprehensive range of products. From certified course measurement and tee signs through to scorecards, yardage books, green fee tickets, members bag tags, event and leaderboards.

Come and see the latest stone effect pedestals and attractive,

durable etched zinc plates incorporating hole information and club crests in full colour. As well as the entire range of Eagle Promotions quality products. For further information please contact: Philip McInley.

ECHO GB

Stand No. A14
The Broadway, Didcot, Oxon, Tel: 01235 813936, Fax: 01235 811491

Contact: Lance Bassett

On the ECHO stand this year can be seen the new model HCA 2400 extended hedgecutter enabling hedges up to 12ft high to be cut. The full range of ECHO brushcutters 21cc-46cc will be seen as will the full range of hand held and back pack blowers. ECHO chainsaws and the popular HC2300 hedgecutter and the new 40" hedgecutter will be exhibited.

Come and say hello to

KEN RICHARDSON

The Association's
Education Officer

on the **BIGGA** Stand, D31

ELMWOOD COLLEGE

Stand No. D17
Carslogie Road, Cupar, Fife, KY15 4JB, Tel: 0334 652781 Fax: 0334 656795

Contact: Carol Borthwick

We are friendly and approachable with plenty to offer you and your greenstaff. We run courses from craft level to HND, from full time to distance learning, and everything in between.

Elmwood is an innovative greenkeeping college meeting your needs. You don't even need to live near us to study with us.

Come and talk to us today.

ENGLISH GOLF UNION

Stand No. D26
1/3 Upper King Street, Leicester, LE1 6XF, Tel: 01162 553042, Fax: 01162 471322

Contact: Amanda Baxter

The English Golf Union are the Governing Body for Men's Amateur Golf in England with responsibilities for Membership, Tournaments, Handicapping, Golf development, Golf Course Management and administration on behalf of its 1777 affiliated clubs.

The Golf Development Department remains active in assisting potential developers and local authorities with guidance on the many aspects of this increasingly more involved subject.

The Golf Course Committee, formed to assist existing clubs with the management and presentation of their courses, continue to provide sound advice on agronomic and environmental management policies through their continuing series of workshop seminars.

In support of this advice, two new publications 'Living Together - Golf and Nature in Partnership' and 'Golf Course Putting Green Construction Guidelines' will both be available from the stand.

ERIC HUNTER GRINDERS LTD

Stand No. C29
Hobson Industrial Estate, Burnopfield, Newcastle Upon Tyne, NE16 6EB, Tel: 01207 270316, Fax: 01207 270312

Contact: Eric C Hunter/ Michael Hunter

More and more customers are recognising the value of a Hunter Grinder. They are robustly built, well engineered, grind to extremely accurate tolerances are very cost effective! and grind 'in-situ' if required. The machines are water cooled to suppress grinding dust and prevent metal structure failure through over-heating. One machine grinds both the reel and the bedknife, so there is no need for two machines. The 'relief angle' grinding method perfected by Hunter Grinders by reducing friction, not only saves money, but guarantees that the entire mowing machine cuts finer for longer periods with fewer problems.

ETESIA UK LIMITED

Stand No. B52
Unit 12, Budbrooke Industrial Estate, Budbrooke Road, Warwick, CV34 5HG, Tel: 01926 403319, Fax: 01926 403323

Contact: Robin Taylor

Winners of the 1995 SALTTEX best new product award, Etesia, will display their innovative diagnostic unit on their new, highly manoeuvrable 81cm MBHE - a ride-on designed for confined areas or those with restricted access. Etesia's rapidly growing reputation for rugged, reliable pedestrian mowers is further enhanced with five new 46cm and 51cm rotaries powered by Briggs & Stratton or Kawasaki engines. Low decibel ratings, low maintenance costs plus all weather grass cutting and collection are top reasons why commercial users buy Etesia's MVEHH 16hp ride-on. Now available: all weather cab, rotary brush, plus new turf management attachments for the 3-point linkage.

EUROMECC LTD

Stand No. B50
A1 Valley Way, Market Harborough, Leicester, Tel: 01858 434011, Fax: 01858 464910

Contact: Peter Crewe

Euromec Ltd will show two machines for the first time. The new Eurogreen professional mower features a twin cylinder, water cooled, clean air diesel engine and hydrostatic drive with a differential lock. These mean that it is quiet and smooth to operate and copes easily with wet and sloping areas. The Brava 700HT is a new, walk behind floor and hard surface sweeper at the low cost end of Euromec's range. Simplified manufacturing has reduced the cost and keeps the maintenance straightforward. These new models join the extensive range of professional mowers, sweepers, scrubber driers and refuse collection machines also on display.

FAIRWAY CREDIT

Stand No. D7
Premium Credit Ltd, The Kirkgate, Epsom, Surrey, Tel: 01372 748833, Fax: 01372 748811

Contact: Mary Simpson

Fairway Credit provides a comprehensive and flexible golf club membership fee service. We have a unique facility which offers a simple solution to the annual problems associated with the collection of membership fees. The facility allows the members to pay their membership/joining fees by monthly payments without detriment to the club's cashflow as all fees are fully funded. Our service and administrative support is provided without any cost to the club. All communication is through the medium of the club. The club retains absolute control at all times. For further information please telephone Mary Simpson on 01372 748833.

FARM AND GARDEN MACHINERY LTD

Stand No. C21
Red Hill House, Hope Street, Saltney, Chester, CH4 8BU, Tel: 02144 671166 Fax: 01244 674499

Contact: Paul Buttery

Shibaura's a leading Japanese manufacturer of tractors and commercial mowers with world wide reputation for building excellent products powered by their own diesel engines. The range starts with 16HP ride on mowers followed by the "S" range which is a 20-30 HP multi purpose tractor with mid mounted deck. Shibaura produce two out front mowers 22 HP and 27 HP which have many unique features followed by the 33 HP and 38 HP tractors which are supplied with turf tyres - ideal for golf clubs.

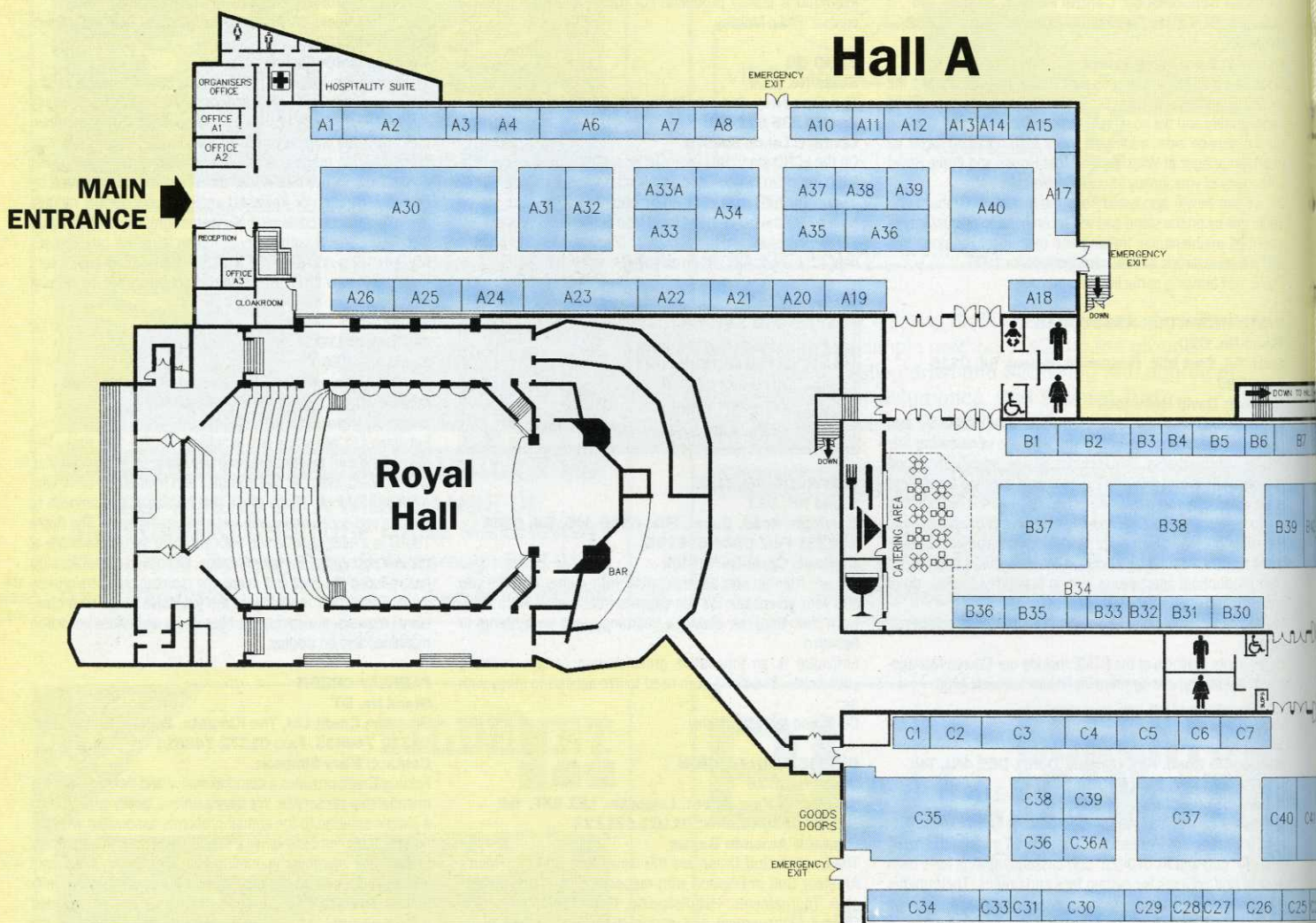
FARMURA LTD

Stand No. A19
Stone Hill, Egerton, Ashford, Kent, TN27 9DU, Tel: 01233 756241, Fax: 01233 756419

Contact: Lynette Hamer

Farmura will be exhibiting their full range of products for golf course use. All of the range is either organic or sensitive to the environment in use. Highlighted will be Inhibitor - a major British breakthrough in the management of fusarium. The first product to manage fusarium organically. Also on display will be the market leading range of Farmura Liquid Organics, the innovative super concentrate liquid fertilisers, Ferrosol liquid iron, Blazon spray pattern indicator and Liquid Green. Completing

FINDING YOUR WAY AROUND



BTME OPENING TIMES

Wednesday January 24 9am-5.30pm

Thursday January 25 9am-5.30pm

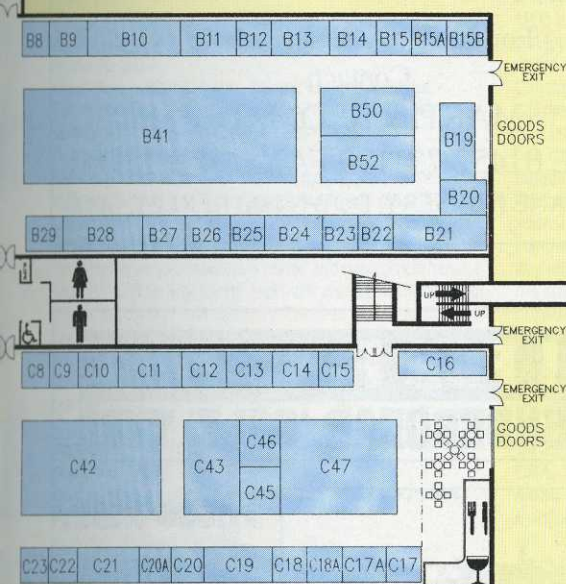
Friday January 26 9am-1.30pm

ADAS	D29	Bourne Amenity.....	C15	ECHO GB.....	A14	Green-Tech Ltd.....	B12
M J Abbott Ltd.....	B3	Boyd Golf Course Accessories.....	A39	Elmwood College.....	D17	Greenkeepers Training Committee	D6
Aikens Sportsturf.....	A35	British Association of Golf Course		English Golf Union.....	D26	Groundsman Industries Ltd.....	C46
Allen Power Equipment Ltd.....	A26	Constructors	D3	Eric Hunter Grinders Ltd	C29	Hadlow College of Agriculture &	
Allett Mowers Ltd	C10	British Overhead Irrigation Ltd.....	C26	Etesia S.C.S.....	B52	Horticulture.....	D13
Amenity Land Services Ltd.....	B9	British Seed Houses Ltd	A12	Euromec Ltd	B50	Hardi Ltd	B38
Amenity Technology	C40	British Sugar.....	D24A	Fairway Credit.....	D7	Hayters Plc	C42/C22
Askham Bryan College	D10	Broadside Publishing.....	C18A	Farm & Garden Machinery Ltd	C21	Headland Amenity Products	C11
Association of Golf Club Secretaries	D8	C.M.W Equipment Co.....	A21	Farmura Ltd	A19	Hepworths Minerals & Chemicals Ltd.....	B19
Atterton & Ellis Ltd	A7	Cannington College	D18	Fenchurch Insurance	D31	HLD Limited.....	B24
Avoncrop Amenity Products.....	B7	Charterhouse Turf Machinery Ltd.....	A18	Fleet (Line Markers) Ltd	B13	Hole in White (Europe).....	A3
Baileys of Norfolk.....	A13	Cleveland Sitesafe Ltd.....	B26	Fox Contracting (Owmbly) Ltd	B15B	Humate International.....	B22
Barenbrug UK Ltd.....	A24	Cooper Peglar	D25	Gannon UK Ltd	B20	Huxleys Grass Machinery Ltd	A32
E P Barrus Ltd	C8	Council of European Golf Course		Garfitts International Ltd.....	B27	Industrial Power Units Ltd	C5
Better Methods Europe	B34	Architects.....	D1	GCSAA	D4	Institute of Groundsmanship.....	D22
British and International Golf		County Crops Ltd	B23	Gem Professional/Sta-Brite Supplies	B31	Inturf Ltd	A36
Greenkeepers Association	D31	Course Care	C16	Golf Club Management.....	D8	Jacobsen E-Z-Go Textron	C37
BIGGA Northern Region	D19	D & E Turf Maintenance Ltd	A10	The Golf Sign Company	B32	John Deere Ltd	C35
Blazon Europe	D21	David Hemstock Associates.....	C20	Grassroots Trading Co.....	D24C	Johnsons Seeds.....	A20
BLEC Ltd	C36	Dennis.....	C17A	J D Greasley Ltd	C20A	Kawasaki Motors Ltd.....	C14
Boughton Loam/Turf Management		Driving Force Leisure	C45	Greenkeeping Supply Company	A3	Kings Horticulture Ltd.....	B10
Systems	C38	Eagle Promotions Ltd	D30	Green Direct/Fen Turf Dressing	C27	Kubota (UK) Ltd	A40/A17

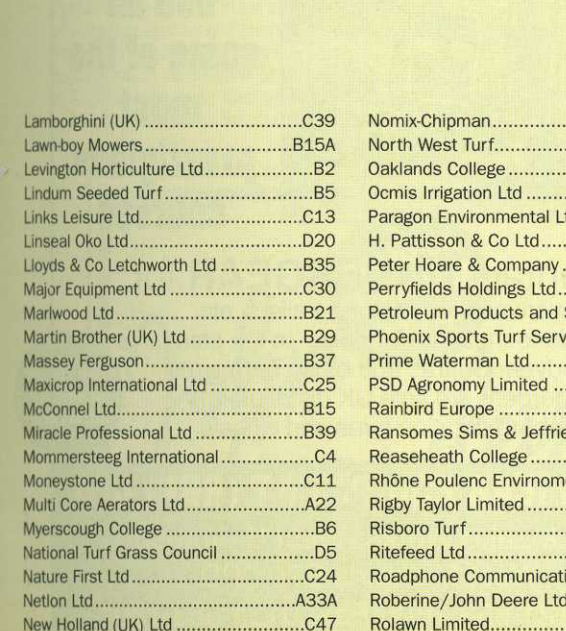
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Working for the good of the fine turf industry

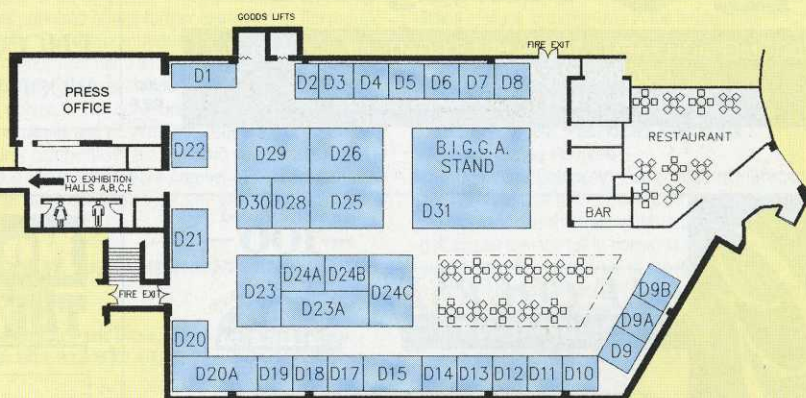
Hall B



Hall C



Hall D



Lamborghini (UK)	C39	Nomix-Chipman	D28	Rufford Topdress Supplies Ltd	A25	Tonick Watering	C33
Lawn-boy Mowers	B15A	North West Turf	A1	Saxon Industries	B30	Toro Commercial Products/Lely (UK) Ltd	B41
Levington Horticulture Ltd	B2	Oaklands College	D14	Scottish Golf Union	D26	Totrax Ltd	D20
Lindum Seeded Turf	B5	Ocmis Irrigation Ltd	A15	Scotts UK Ltd	A2	Turf Management	B11
Links Leisure Ltd	C13	Paragon Environmental Ltd	C18	Seward Turf Maintenance	C28	TURF-ACTANT Sales	C8
Linseal Oke Ltd	D20	H. Pattison & Co Ltd	C43	Sharpes International	B28	Turfand Professional	D23
Lloyds & Co Letchworth Ltd	B35	Peter Hoare & Company	D31	SISIS Equipment (Macclesfield) Ltd	C41	Ultra Plant	D2
Major Equipment Ltd	C30	PSD Agronomy Limited	C6	Sovereign Turf	C19	Undergear Equipment Ltd	B4
Marlwood Ltd	B21	Petroleum Products and Services Ltd	C3	Sparsholt College Hampshire	D9A	United Mowers	C34
Martin Brother (UK) Ltd	B29	Phoenix Sports Turf Services	C17	Sports Ground Irrigation Co	A8	Vitax Ltd	A37
Massey Ferguson	B37	Prime Waterman Ltd	B33	Sports Turf Research Institute	D15	Warwickshire College	D12
Maxicrop International Ltd	C25	Rhône Poulenc Environmental Products	A6	Standard Golf (UK) Ltd	B36	Watermation Ltd	B40
McConnel Ltd	B15	Rainbird Europe	D23A	Supaturf Products Ltd	A4	Welsh College of Horticulture	D9
Miracle Professional Ltd	B39	Ransomes Sims & Jeffries Ltd	A30	Supreme Mowing Ltd	C2	Welsh Golf Union	D26
Mommersteeg International	C4	Reaseheath College	D11	Symbio	B25	Wessex Software Systems	B14
Moneystone Ltd	C11	Rhône Poulenc Environmental Products	A6	T & G Turf Irrigation	B40	White Horse Contractors Ltd	C9
Multi Core Aerators Ltd	A22	Rigby Taylor Limited	A23	T.I.L. Irrigation Ltd	B41	Wiedenmann UK Ltd	A33
Myerscough College	B6	Risboro Turf	A38	TACIT	B1	Wood Graphics	C31
National Turf Grass Council	D5	Ritefeed Ltd	C12	Talbot Farm Landscapes	D24B	York & Martin	B8
Nature First Ltd	D9B	Roadphone Communications	D9B	Tilcon Truscate	C15		
Netlon Ltd	A33A	Roberine/John Deere Ltd	A34	Tildenet Ltd	C23		
New Holland (UK) Ltd	C47	Rolawn Limited	A31	T & G Turf Irrigation	B40		

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As H. Pattison & Co. Ltd enter their 100th year of supplying quality products to Golf Courses we are proud to be able to offer another new product, 'The DewMaster'.

This is a new and innovative time saving product, designed to remove dew from the greens, it is made from extruded aluminium for effort-free operation and a long life.

With a 3-metre (10ft) length, the minimum amount of passes are needed to clear the green.

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£68.00

This new addition, along with our complete product range will be on display at the BTME in Harrogate.



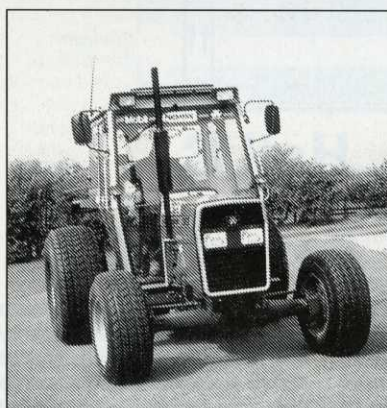
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H. PATTISSON & CO LTD,
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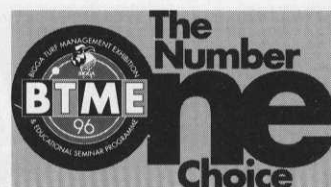
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West Midlands B70 0PD

Tel: 0121 553 1606 Fax: 0121 553 1307

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Working for the good of the fine turf industry

the line up will be foresight wetting agent and the turf iron. Come and discuss combined liquid feed programmes, talk about how Farmura products can help you in 1996 and take away an award winning Farmura Manual.

FENCHURCH INSURANCE BROKERS LIMITED

Stand No. D31

Bramley Business Park, 533 Stanningley Road, Leeds, LS13 4DA, Tel: 01132 558400, Fax: 01132 570310

Contact: Andrew Lawrence

Fenchurch is a truly independent broker: our business is won on merit and performance.

Independence means that our advice is always objective. In addition, without the bureaucracy inherent in large groups, we are free to channel our collective energies and skills more effectively to meet our clients' requirements and market conditions. The knowledge, expertise and dedication of our personnel are the principal reasons why we continue to win new business and retain existing clients. We place a high priority on innovation and problem solving. We maintain the quality of our service and also secure a high level of continuity among senior staff.

FLEET (LINE MARKERS) LTD

Stand No. B13

Fleet House, Spring Lane, Spring Lane Industrial Estate, Malvern, Worcestershire, WR14 1AT, Tel: 01684 573535, Fax: 01684 892784

Contact: Joanne O'Sullivan

Following their success in the line marking equipment and materials market, Fleet is launching a complete range of liquid and solid fertilisers developed specifically for the Amenity market. In keeping with tradition, the fertiliser range is of the highest quality, is very competitively priced and has comprehensive technical backup if required. Fleet will also be exhibiting the hugely successful, revolutionary Fastliner – a ride-on line-marker developed by Fleet in conjunction with Kawasaki. In addition, there will be the opportunity to discover the range of aerosols, paints and line marking equipment for which Fleet are renowned.

FOX CONTRACTING (OWMBY) LTD

Stand No. B15B

Caenby Hall, Lincoln, LN2 3BU, Tel: 01673 878444, Fax: 01673 878644

Contact: Richard Gudgin

Fox Contracting (Owmbly) Limited, the Construction Division of the Fox Group of Companies was founded in 1991 and today has a turnover in excess of £9 million. Since its formation, Fox Contracting (Owmbly) Ltd has not only successfully constructed many prestigious new developments but has also been active in the upgrading and improvement of numerous existing golf courses. A few recent Championship courses constructed by Fox Contracting have been, Aston Wood on the outskirts of Sutton Coldfield, The Oaks at Aughton near York, Batchworth Park, Rickmansworth and Waltham Windmill, South Humberside to name but a few.

GANNON UK LTD

Stand No. B20

Welbourn, Lincoln, LN5 0QL, Tel: 01400 272475, Fax: 01400 272303

Contact: G D Overton

Gannon UK Ltd will be exhibiting the range of Aera-vators and attachments. Also two new models of Aera-vator.

Come and say hello to
SCOTT MacCALLUM
Editor of Greenkeeper
International magazine
on the BIGGA Stand, D31



GARFITS INTERNATIONAL LTD

Stand No. B27

Cross Scythes Works, New Street, Holbrook Trading Estate, Halfway, Sheffield, S19 5GH, Tel: 0114 2513344, Fax: 0114 2513000

Contact: Derek Cooper

1995 has been a year of change for Garfitts International. In the last four years there has been substantial growth in the product range which has brought its own success to the company. Constant vigilance in identifying market trends and demands has led to an expanding range of products and now a move to new larger premises brings further expansion of the production capacity. The recent introduction of factored lines to the range of replacement parts and accessories for grass and turf care machinery will give the industry an even greater single sourcing potential. The continued efforts to maintain a high standard of quality and service gives people the opportunity to buy not only competitively but also with confidence. A visit to the stand at BTME will reveal a number of new products and provide the opportunity to view our EASYRAKE™ range of powered lawn tools.

GOLF COURSE SUPERINTENDENTS ASSOCIATION OF AMERICA

Stand No. D4

1421 Research Park Drive, Lawrence, KS, 66049, USA, Tel: 001 913 832 4435, Fax: 001 913 832 4433

Contact: Pat Jones

Golf Course Superintendents Association of America is the professional association for the men and women who manage golf courses. The organisation's mission is to serve its members, advance their profession and enhance the quality of golf and its environment.

GEM PROFESSIONAL/STA-BRITE SUPPLIES

Stand No. B31

Brookside Lane, Oswaldtwistle, Accrington, Lancashire, BB5 3NY, Tel: 01254 393321, Fax: 01254 236775

Contact: Patrick Dyer

BTME has been chosen as the first venue where Gem Profes-

sional and Sta-Brite Supplies, the southern division of Gem Professional, will exhibit together and amalgamate their comprehensive range of amenity products.

The unique blend of the UK's largest privately owned manufacturer of turf dressings and fertilisers and the south's leading distributor of turf related products ensures a truly national service leading the field for quality, value and prompt delivery nationwide.

Call and see us on stand B31 for further news of our exciting developments.

GOLF CLUB MANAGEMENT

Stand No. D8

Harper Trade Journals, Harling House, 47-51 Gt Suffolk Street, London, SE1 0BS, Tel: 0171 261 1604, Fax: 0171 633 0281

Contact: Steve Rankin

The official journal of the Association of Golf Club Secretaries, Golf Club Management is published eleven times a year, and carries news from the AGCS regions, plus varied special features ranging from tractors and course machinery to computers. The centre section of each issue contains Secretary at Work: management articles specifically aimed at helping the secretary in his everyday work. Regular contributions such as the prize crossword, special golfing article and club stories are enjoyed by secretaries and members alike; the classified advertisements are a source of vacancies in the profession. GCM is also proud to publish the secretaries' handbook, containing a listing of clubs and members in the association.

THE GOLF SIGN COMPANY

Stand No. B32

65-69 Old Chester Road, Birkenhead, L41 9AW, Tel: 0151 647 8081, Fax: 0151 666 1087

Contact: David Frances

The Golf Sign Company, quality sign manufacturers since 1887. This will be our fourth year at Harrogate, and now with the reputation as the leading designers and manufacturers of golf course signage (all in house) in the UK we are looking forward to another great week at the BTME. For full information on tee markers, general information signs, interchangeable notice boards as well as our famous greenkeeper range of standard off the shelf signs (still only £4.99 each) call in and see us on stand B32, or call 0151 647 8081 for full colour brochure.

GRASS ROOTS TRADING CO.

Stand No. D24C

Grass Roots House, 34 Ashton Road, Wokingham, Surrey, Berkshire, RG11 1HL, Tel: 01734 771185, Fax: 01734 785116

Contact: Jamie Bennett

Having quickly established themselves as the one-stop shop for greenkeepers, Grass Roots makes its BTME debut this year. The stand displays the comprehensive range of their services. Turf managers will appreciate their efficient, speedy and competitively-priced operation, designed to help you out of a bunker in a hurry. Grass Roots supplies all brands of turfcare products – offering outstanding value. From driving range to

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From one of Europe's largest specialist tractor manufacturers comes a superb range of models eminently suitable for all groundcare work.

Compact models from 25-75HP. All with economical low emission diesel engines;

12 x 12 synchro-shuttle gearboxes; highly manoeuvrable 4 wheel drive;

4 wheel oil immersed brakes from 60HP for greater safety; powerful hydraulics and all with ground preserving low weight for reduced compaction.

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If your irrigation system is working well, that's fine. If it isn't or if you are considering a system for the first time, perhaps you should be talking to Ocmis. We have a decade of experience in designing and installing automatic sprinkler systems that might just be the answer to your dreams.

Ocmis Irrigation (UK) Ltd, Martock, Somerset, TA12 6BU. Tel: 01460 241939
Midlands Office Tel: 01789 414604 Northern Office Tel: 01924 453102
Scotland Office Tel: 01312 202102

Suppliers of irrigation systems for sportsground, recreational, amenity and landscape areas.

- ◆ Free Initial Consultation
- ◆ Professional Planning & Design
- ◆ High Specification Products
- ◆ Programmed Installation & Project Management
- ◆ Technical Support & Maintenance

See us on
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Buckner

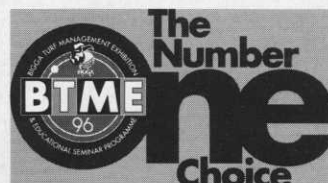
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★ What do BTME '96 and John Wayne have in common? True Grit – after supplies ran out during the blizzard last year there are ample supplies in store if lightning should strike twice... Lightning? Who said anything about lightning?



clubhouse – Grass Roots covers the full 18 holes. So whatever your greenkeeping needs, you'll discover that the solution is to get back to Grass Roots.

J D GREASLEY LIMITED

Stand No. C20A
Ashfield House, 1152 Melton Road, Syston, Leicester, LE7 2HB, Tel: 0116 269 6766, Fax: 0116 269 6866
Contact: John Greasley

The company has enjoyed a busy year having constructed a new 11 holes at the Gog Magog Golf Club, Cambridge, designed by Hawtree.

Many alterations have also been completed on existing courses including Tynemouth Golf Club, The Leicestershire Golf Club, Chirk Golf and Country Club, Whittington Heath Golf Club, West Middlesex Golf Club, West Derby Golf Club Liverpool, Glen Gorse Golf Club.

Alterations and refurbishment works to greens, tees, bunkers, lakes and water features on existing courses now account for a substantial part of the company's turnover. We offer both a design and construct service or construct in accordance with the clients architects designs. We are pleased to visit your site to discuss any requirements and offer free estimates and advice.

GREEN DIRECT/FEN TURF DRESSINGS

Stand No. C27
57 The Broadway, Bramhall, Stockport, SK7 3BU, Tel: 0161 439 0834, Fax: 0161 439 0835
Contact: Geoff Lloyd

Green Direct is a new company offering a specialist range of fertilisers to the Amenity Turf and Landscape Contracting sector. Green Direct will be exhibiting its range of Turf fertilisers and Fendress™ top dressings along with Soil Association approved organic fertilisers. Fen Turf Dressing personnel will be in attendance to show a full range of Top Dressings, root zones, soil and sands.

The Covertan grass germination and establishment fabric will be demonstrated, along with Covermulch landscape mulch.

GREEN-TECH

Stand No. B12
P O Box 1, Boroughbridge, York, YO5 9NY, Tel: 01423 324342, Fax: 01423 324342
Contact: Richard Kay

Green Tech amenity supplies from North Yorkshire will be promoting their full range of landscape and sports turf supplies. This will include Vitagrow fertilizers and top dressings, Headland Amenity, Sharps grass seed, Nomix Chipman, grassliner marking products and a full range of landscaping sundries. Green-Tech will be launching a new range of controlled release fertilizer, "Multicote" from Hi-Chem UK. "Multicote" is ideal for use on all sports turf and landscaping areas for use around trees and shrubs and amenity plantings.

For an up to date catalogue and information on what Green-Tech has got to offer you come and visit stand B12.

THE GREENKEEPERS SUPPLY COMPANY

Stand No. A3
4 Speedwell Glade, Harrogate, North Yorkshire, HG3 2HE, Tel: 01423 522969, Fax: 01423 522969
Contact: Liam Galway

Once again the Greenkeeping Supply Company will be sharing with Hole-in-White. We look forward to meeting old friends and new on our stand. On show will be the latest offerings from all the leading manufacturers. You can be sure of a warm welcome on stand A3. Contact: Liam Galway office at: 7 Mill Close, Roxwell, Chelmsford, Essex, Tel/Fax: 01245 248880, 4 Speedwell Glade, Harrogate, North Yorkshire, Tel/Fax: 01423 522969.

THE GREENKEEPERS TRAINING COMMITTEE

Stand No. D6
Aldwark Manor, Aldwark, Aline, York, YO6 2NF, Tel: 01347 838640, Fax: 01347 838775
Contact: Sue Gudgeon

The GTC has recently become an approved assessment centre for City & Guilds and SCOTVEC to offer National and Scottish Vocational Qualifications in Amenity Horticulture

Levels 1-4 inc. Both golf club employers and greenkeepers will be welcome on the stand to discuss training needs towards qualification.

The GTC network of Advisors and Assessors are available for golf clubs and greenkeepers to receive advice – many GTC Advisors will be in Harrogate, call and see us on Stand D6.

GROUNDSMAN INDUSTRIES LTD

Stand No. C46
The Mill, Seymour Street, Ballymoney, Co Antrim, Northern Ireland, BT53 6JR, Tel: 012656 67049, Fax: 012656 66855
Contact: Billy Warke

Groundsman Industries, fine turf aerators, the professional choice.

Groundsman produce the best range of fine turf aerators to suit both the job and your budget. Three pedestrian models 450mm – 600mm working widths and one tractor/utility mounted 1200mm give the operator fast and effective coverage. A full range of easy change tines means one machine can hollow tine, slit tine, micro tine, solid tine, overseed – yes all with one Groundsman machine. Come and see our range, discuss your needs Stand C46 BIGGA Turf Management Exhibition, Harrogate International Centre.

Come and say hello to

JANET ADAMSON

Membership Services Officer

on the BIGGA Stand, D31

HADLOW COLLEGE

Stand No. D13
Hadlow, Tonbridge, Kent, TN11 0AL, Tel: 01732 850551, Fax: 01732 851957
Contact: David Butler

Hadlow College in Kent offers an extensive range of custom built courses for professional greenkeepers and groundsman.

These include day-release courses in Groundsmanship and Golf Greenkeeping at NVQ Levels II and III. From September 1996 a Sports Turf Management option will be available on the full-time First Diploma and National Diploma in Horticulture. The College has its own dedicated training area, including greens and tees built to U.S.P.G.A specifications. The College's links with the industry ensures the courses meet the needs of both employers and trainees and comply with the Greenkeepers Training Committee regulations.

HARDI LTD

Stand No. B38
4/5 Watling Close, Sketchley Meadows Business Park, Hinckley, Leicestershire, LE10 3EX, Tel: 01455 233811, Fax: 01455 233815
Contact: R W Oliver

As you would expect from Hardi Ltd a good cross section of Models from the extensive range of amenity sprayers will be on show. Also including the quality range of Green-care aeration equipment. Large capacity powered hose reels and Roger's Windfoil Walk Boom. Please come and discuss your requirements on our new larger stand B38.

HAYTER PLC

Stand No. C42/C22
Spellbrook, Bishop's Stortford, Herts, CH23 4BD, Tel: 01279 723444, Fax: 01279 600338
Contact: Barbara Garton

Hayter will have on show grass cutting machinery designed to meet all needs for the golf course professional and local authority market.

See British engineering at its best on both triple units and gang mowers. The FM514 Fairway mower, LT312 Triple unit and TM520 gang mower are just a few of the machines on display. 1996 is also an important year to Hayter as the company celebrates their 50th Year. Visit Stand C42 to view the range and see why Hayter are justifiably proud of their equipment.

HEADLAND AMENITY PRODUCTS

Stand No. C1
Norfolk House, Grt Chesterford Court, Grt Chesterford, Essex, CB10 1PF, Tel: 01761 410871, Fax: 01761 410877
Contact: Mark De'ath

Headland Amenity Products is a new and rapidly expanding company within the turfcare and amenity market. Headland staff will be delighted to discuss with you our unique range of adjuvants, Triazone slow release fertilisers, liquid sulphur and our range of high quality seamac growth stimulant products. Come and see for yourself why users are talking about Headland Amenity Products.

HEPWORTH MINERALS AND CHEMICALS LTD

Stand No. B19
Brookside Hall, Sandbach, Cheshire, Tel: 01270 752752, Fax: 01270 752753
Contact: Trevor Leadbeater

Hepworth Minerals and Chemicals Ltd (HMC) will be featuring the new pro-sport range of Rootzones silica sands and top dressings. Customers will be able to see the USGA golf and sports pitch rootzones which are now available nationwide from five sites over the country ranging from Levensat in Scotland to Redhill near London. The HMC pro-sport range of lime free silica sands, which are widely used in the sports industry for bunker sands, slit drainage, tee or green construction will also be featured along with a comprehensive range of graded sands for application within the leisure industry including equestrian and play pit sand.

HLD LTD

Stand No. B24
The Shipyard, Gainsborough, Lincolnshire, DN21 1NG, Tel: 01427 611800, Fax: 01427 612867
Contact: Martyn Spence

Following a successful first show in 1995, HLD Ltd will again be exhibiting all aspects of their timber engineering and landscape structures range. With an ever increasing golf course client list and with prestigious schemes completed throughout the country HLD are one of the country's leading manufacturers of timber bridges, boardwalks, decks, lake edge retention systems, landscape structures and general external timber-work.

On hand at the exhibition, qualified staff will be pleased to discuss all topics including design, manufacture and installation.

PETER HOARE & COMPANY

Stand No. D31
Ranmoor House, 237 Graham Road, Sheffield, S10 3GS, Tel: 0114 2305305, Fax: 0114 2309494
Contact: Bob Dudgeon
Peter Hoare & Co provide independent advice on life assurance and pensions to BIGGA and their members. Anyone who wants advice is welcome to call.

HOLE IN WHITE (EUROPE)

Stand No. A3
Skinners Farm, Epping Lane, Romford, Essex, RM4 1ST, Tel: 01708 688435, Fax: 01708 688435
Contact: Mr R D Paterson

Hole-in-White will be showing the only successful golf hole turf whitener (top inch) on the market in Europe today, being used for most major professional and amateur golf tournaments throughout Europe, come along and see for yourself how Hole-in-White makes this task so simple. Look in on us where our staff will be only too pleased to answer any questions you may have, we look forward to meeting you on our stand.

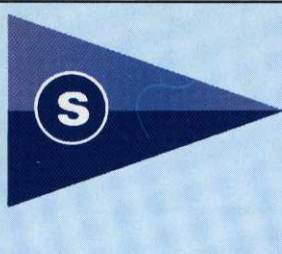
HUMATE INTERNATIONAL INC

Stand No. B22
50A Market Place, Thirsk, North Yorks, Tel: 01845 525585, Fax: 01845 523133
Contact: John McLauchlan

On display will be the full range of Humate products. These include granular Humate, liquid Humate, Humate stress reliever and Humate chelates. Aqua-root wetters, containing Humate and manufactured by Aqua-Aid Inc, will also be featured. These include liquid, granular and pellet forms. The 6oz pellet is used in our Proportioner hose end applicator.

Also on show will be the new Bio-system MS micro-organism

See us on
Stand B36 at BTME



STANDARD GOLF

FOR ALL YOUR COURSE EQUIPMENT

The rugged Pro-Line Standard Tee Console is designed and constructed to last for years. The tee data information sign, hole number, par, handicap and yardages are engraved on tough, resilient acrylic material, and the background colour of the sign matches the ball washer and litter caddie colours. You can specify up to four different yardages which should be coloured to match the tee markers.

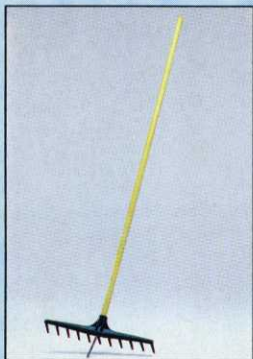
£309.59 complete PLUS VAT



You will appreciate the classic, subtle beauty of our new Green Fairway Signs & Directional Arrows. The bright white type is highly visible and readable. And since they're

manufactured from cast aluminium, they'll last for years and years.

Fairway signs £17.31 each
11" Directional Arrows £12.86 each
15" Directional Arrows £23.24 each
PLUS VAT



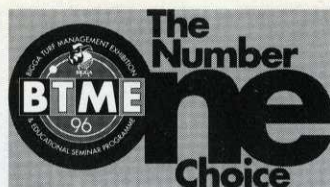
Our Economy Rake is priced so low, you can order several for each bunker! The full-size 15" head is made from high-impact, molded plastic, and the 4' bright yellow handle is available in wood or long lasting fibreglass. NB: we no longer fit spikes as standard.

Complete rake w/ Yellow Wood Handle: £4.70 each plus VAT in packs of 12

Ask for our full colour 1996 Catalogue and Price List

Driving Mat 1.5m x 1.5m guaranteed for 12 months @ £195 each (or £165 each for nine).

Contact Paula or Lisa at: Standard Golf (UK) Limited,
Maxwell Hart Business Centre,
PO Box 297, Lightwater GU18 5HJ
Telephone Lo-Call 0345 125398
Fax: 01276 452616



Working for the good of the fine turf industry

products, used in conjunction with Humates, to suppress diseases and algae. Fertiliser can be dramatically reduced when using the MS programme. Grass becomes healthy and a darker green colour. Certain leaf pests are repelled.

HUXLEYS GRASS MACHINERY LTD

Stand No. A32
The Dean, New Alresford, Hampshire,
SO24 9BL, Tel: 01962 733222, Fax:
01962 734702

Contact: Paul Huxley

Huxley's stand will show several new concepts in golf course maintenance machinery. The new Huxley Teestar is an all hydraulic 3 wheel drive ride-on triple reel mower for high quality mowing of tees, greens surrounds and approaches. British designed for British courses, the Teestar has a very low centre of gravity and exceptional traction on slopes. A quicker method of vertical deep tine aeration, with a smoother surface finish, is offered by Huxleys' soil reliever, while the Grainskeeper greens brush provides a faster and more effective method of irrigating top dressings. See the latest at Huxleys!

INDUSTRIAL POWER UNITS

Stand No. C5
Sutherland Avenue, Wolverhampton,
WV2 2RA, Tel: 01902 452138, Fax:
01902 454159

Contact: Robert Beebee

IPU will show Ferris and Dori and Grillo products. Most exciting for the golf course market is the diesel 17hp 44" cut and collect zero turn Grillo. Ideal for leaving a fine finish in confined areas. Ferris Rotary flail and cylinders are now used by the five largest contractors in the UK. Dori small rotaries and power barrows have a whole new range on display.

INSTITUTE OF GROUNDSMANSHIP

Stand No. D22
19-23 Church Street, The Agora,
Wolverton, Milton Keynes, MK12
5LG, Tel: 01908 312511, Fax: 01908
311140

Contact: Chris Costello

The Training and Education department of the IoG has its own Certificates and Diplomas, recognised by the Ministry of Employment and Education and used throughout the industry. The IoG also has an Assessor Network throughout the UK for those wishing to achieve NVQ's via the non college route. Numerous courses are offered UK wide covering many sports surfaces and amenity topics. A newly launched scheme is the Craft Skills Courses which assess students in many of the essential skills to NVQ Level 2 standard. The Institute is also an information centre of career and education matters.

THE INTURF GROUP

Stand No. A36
Regent Street, Pocklington, York, YO4
2QN, Tel: 01759 304101, Fax: 01759
305229

Contact: June Edwards

The contributions the Inturf Group has made to the turf industry since 1985 have been highlighted by their ongoing programme of development and refinement works with turfgrass specification and actual turfing systems, including those of the revolutionary Big Roll and Lay'n'play turf tiles.

A large percentage of Inturf's business activities is conducted with professional sporting clubs, the remainder being around the prestigious landscaping sector.

JACOBSEN E-Z-GO TEXTRON

Stand No. C37
Jacobsen House, Telford Way,
Kettering, NN16 8UN, Tel: 01536
417777, Fax: 01536 310245
Contact: Mark Osborne/Scott
Bullock

Jacobsen E-Z-GO Textron on stand C37 will be exhibiting new professional golf course machinery and equipment. On show will be the new Greensking V triplex greensmower fitted with a 19hp diesel engine. It is also fitted with a vanguard petrol engine. Its patented FlashAttach reels allow for the removal of cutting units within seconds. Also on show will be the new 518, 522, and 526 pedestrian greens mowers now complete with operator presence controls. The well received LF128 lightweight fairway mower is also being exhibited. This mower powered by a 28hp diesel engine will provide power, cutting quality, ease of operation and the service your course demands. Making their show debut are the new E-Z-GO TXT petrol and electric golf carts with the new durashield moulded body. With the recent appointment of Jacobsen E-Z-GO Textron as Turfco distributors for Europe a range of their products will be on show including the Mete-R-Matic topdresser and Prolite turf cutter.

JOHN DEERE LTD

Stand No. C35
Harby Road, Langar, Nottingham,
NG13 9HT, Tel: 01949 860491, Fax:
01949 860490

Contact: Graham Williams

John Deere recently acquired the UK distribution rights to Roberine's full range of professional grass cutting machinery (see separate entry under Roberine/John Deere Ltd). The company now offers the broadest product line of equipment for the professional grounds care industry in the country, backed by the most efficient and cost-effective service support.

The John Deere stand features diesel versions of the 2243 greensmower, 2653 utility mower and Gator utility vehicle, a 3235 fairways mower and 1200A bunker rake, a 220 walk-behind greensmower, an 1145 ride-on front mower and the new Turfchek™ and Accu-Gage™ grass management tools, illustrating John Deere's continuing development of quality equipment for the professional greenkeeper.

JOHNSONS SEEDS

Stand No. A20
London Road, Boston, Lincs, Tel:
01205 365051, Fax: 01205 359857
Contact: Peter Hall

Johnsons staff will be available to give technical advice about grasses used in golf course maintenance and construction. From the finest green to the most environmentally sensitive wild flower area, our position as a major seed producer and plant breeder enables us to provide not only the full range of varieties needed but also the expertise and service that professional users should receive.

Detailed technical literature will be available so please come and see us in Hall A, Stand 20.

FORD GROUNDCARE EQUIPMENT

COMFORT - CONVENIENCE - PERFORMANCE

- Series 20 Compact Tractors - Versatility with comfort
- CM Commercial Mowers - Front line convenience
- GT Diesel Mowers - Proven performance



See us on
Stand C47
at BTME



NEW HOLLAND

FOR PEOPLE WHO CULTIVATE A NEW IDEA OF THE WORLD

KAWASAKI MOTORS (UK) LTD

Stand No. C14

1 Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, Tel: 01628 851000, Fax: 01628 850886

Contact: Peter Yeow

Kawasaki's Mule utility vehicles are now well accepted by the groundcare industry, both as fetch and carry vehicles in their own right (the Mule 2500 series takes a passenger too) and increasingly for specialist tasks with after-market accessories. These range from top-dressers to leaf collectors, sprayers to dog faeces removers, golf ball collectors to white line markers. With automatic torque converter transmission and easy access from either side, Mules are ideal for stop-start work. Weather-break (not safety) cabs and heaters are available for all year-round use, while the lockable differential and low ground pressure tyres minimise surface damage on grassed areas.

KINGS HORTICULTURE LTD

Stand No. B10

4 Lancaster Way, Earls Colne Industrial Park, Earls Colne, Colchester, CO6 2NS, Tel: 01473 223300, Fax: 01787 224509

Contact: John Hinton

King's will be exhibiting selections from their exclusive product range. The Floranid range of quality high performance fertilisers from BASF is expanding all the time and details of the new developments will be available at the show, including Nitrophoska Perfekt the conventional fertiliser especially suitable for golf fairways.

Forum Floor is an efficient flexible turf protection system for temporary walk and pathways and work routes. Easy to handle, strong, flexible its the one stop answer to 101 problems.

Ironite and Saturaid, specialist products for turf from across the world, combine the advantages of granules with the efficiency of "slow release" to give proven performance against all kinds of stress and dry patch.

King's Amenity Specialists will be available to discuss with you, all of your turf requirements.

KUBOTA UK LTD

Stand No. A40

Dormer Road, Thame, Oxon, OX9 3UN, Tel: 01844 214500, Fax: 01844 216685

As well as the Grandel tractor range and the ST-30 tractor, Kubota (UK) Ltd is showing a new ride-on model at BTME '96. The Grandel series, which comprises three models in the 34hp - 44hp class, features fully synchronised transmission, creep gear box and independent PTO as standard. At the show they are fitted with a variety of Kubota matched attachments. Popular on the golf course, the 29hp ST-30 which incorporates the Bi-Speed turn feature for tighter turning, is fitted with a 'Q' cab at the show.

LAMBORGHINI UK

Stand No. C39

Barby Lane, Barby, Nr Rugby, Warwickshire, CV23 8TD, Tel: 01788 891892, Fax: 01788 891387

Contact: Chris Cann

25, 33 and 42 din HP compact models. 12x12 synchro-shuttle gearboxes. Independent 540/1000 rear PTO 2000 RPM M10 PTO. Powerfull hydraulic linkage (1200kg) with position and draft control. Optional weather canopy. Loader, backhoe, mower-deck and collector available.

60 and 75 DIN HP lightweight, versatile general purpose models. 60 and 70 DIN HP compact models, high specification with 40 kph road speed, options of reverse drive and front linkage with PTO. All tractors carry a unique 3 year 3000 hour full manufacturers warranty. Lamborghini designs and manufactures its products in accordance with its ISO 9001 certification (No 13589).

LAWN-BOY MOWERS

Stand No. B15A

Railway Road, Downham Market, Norfolk, Tel: 01366 382041, Fax: 01366 384204

Contact: N J Brett

Lawn-Boy will be exhibiting its full range of mowers, which are ideal for professional or domestic users. Lawn-Boy mowers are renowned for its dependable and lightweight two-stroke engines. There are two models in the range that have a five-

litre fuel tank and ball bearing wheels which are ideal for use on banks and contract work. Lawn-Boy can be seen on stand no. B15A

LEVINGTON HORTICULTURE LTD

Stand No. B2

Paper Mill Lane, Bramford, Ipswich, IP8 4BZ, Tel: 01473 830492, Fax: 01473 830386

Contact: Natalie McBride

Levington Horticulture Limited will be exhibiting the comprehensive Greenmaster range of liquid and granular fine turf fertilisers, specially formulated for accuracy, ease of use and reliable turf growth and colour response. The benefits of this product range are recognised by the PGA European Tour Courses, who recommend Greenmaster products for greens preparation. Full details will also be available on Turfclear, the popular turf fungicide and worm control product. Turfclear (containing carbendazim) is now available in pre-measured, water soluble sachets - greatly simplifying the mixing process and ensuring accuracy in use, in addition to the traditional concentrate.

Completing the Levington turfcare range, Sportsmaster outfield fertilisers will be featured, along with the selective turf herbicide Tritox (containing MCPA, mecoprop and dicamba).

Come and say hello to

CAROL DUTTON

Senior Advertising Sales Executive

 on the BIGGA Stand, D31

LINDUM SEEDED TURF

Stand No. B5

West Grange, Thorganby, York, YO4 6DJ, Tel: 01904 448675, Fax: 01904 448713

Contact: Stephen Fell

Lindum Turf launched BAYr Root washed turf at BTME last year and since then it has been used extensively in many varied locations including the new Short Range Academy Course at Gleneagles, and a huge practice tee at the Kildare Club near Dublin.

As well as the range of turf to suit all golf course requirements, Lindum will be displaying a completely new product Lindum Squays - a real breakthrough in turf technology. Solid slabs of mature turf grown in a Netlon advanced turf rootzone can provide instant tees or other sports ground repairs which can be played on immediately.

LINKS LEISURE LIMITED

Stand No. C13

Unit 22, Civic Industrial Park, Whitchurch, Shopshire, SY13 1TT, Tel: 01948 663002, Fax: 01948 666381

Contact: Denis Clark

Links Leisure will be showing their well established All Weather Golf Mat, Golf Driving Bays and attractive Course Markers. Briefly: All Weather Golf Mat (a) Stable, rot proof base (b) Interchangeable, heavy duty artificial grass section (c) Unique tee peg retention for both left and right hand players. Golf Driving Bays (a) Heavy duty box section frame (b) Frame either galvanised or plastic coated (c) Long life baffle net (d) Can be supplied either single or in multiples. GRC Course Markers (a) Designed to your requirements (b) painted in a choice of colours (c) Supported on elegant metal frames or free standing GRC bases.

LINSEAL - OKO LTD

Stand No. D20

19 Regent Street, Rugby, CV21 2PE, Tel: 01788 551251, Fax: 01788 550283

Contact: Tom Costello

British made Linseal-Okole tyre sealant is the only "fibre free" product on the market guaranteed to seal punctures in both tubed and tubeless tyres for professional and smaller vehicles. All wheels can be protected for life from punctures for as little as only £3 per wheel.

LLOYDS & CO LETCHWORTH LTD

Stand No. B35

Birds Hill, Letchworth, Herts, SG6 1JE, Tel: 01462 683031, Fax: 01462 481964

Contact: Derek Haley

The staff of Lloyds & Company will be pleased to discuss their very popular range of Leda gang mowers suitable for cutting golf course fairways and their Leda giant gang mowers for the rough and semi-rough together with the ever popular Paladin Fine Turf Motor Mower, which has now been updated with Operator Presence Control, with all new prospective an existing customers.

MAJOR EQUIPMENT LTD

Stand No. C30

Middleton Road, Heysham, LA3 3JJ, Tel: 01524 850501, Fax: 01524 850502

Contact: Francis Reynolds

The premier supplier of ground driven gang mowers with the widest range of gear driven groundman roller mowers. With grass cutting machines to suit every taste from groundsmen at golf courses, to local authorities and race courses.

MARLWOOD LTD

Stand No. B21

PO Box 2, Edenbridge, Kent, TN8 7JX, Tel: 01342 850874, Fax: 01342 850275

Contact: Keith Elliment

Lastec with the Articulator have just perfected the art of grooming the world's finest turf by introducing the world's finest floating rotary mower. Meet the revolutionary new X-series articulator. Stronger, lighter, tougher, better. The articulator offers the highest quality finish cut of any rotary mower. They cut over 10 feet wide with the same accuracy as a single 21" push mower. Precise length, better grass distribution, better wet grass cutting, better lift, less compaction and of course, no scalping.

MARTIN BROTHERS (UK) LTD

Stand No. B29

18 George Street, Alderley Edge, Cheshire, Tel: 01625 584571, Fax: 01625 586130

Contact: Ed Thomas

Martin Brothers are one of the leading suppliers of top dressing, rootzones, Moneystone bunker sand, and grass seeds. We will be showing our range of seven top dressings available nationally from plants around the UK. Rootzones will also be shown including the HMC Prosport range. Moneystone bunker sand, produced in Staffordshire for over 20 years will be shown, available from us and our distributors. To complete our product range we will be showing the Sharps designer mixtures grass seeds from the amenity turf market. See us on stand B29.

MASSEY FERGUSON GRASS EQUIPMENT

Stand No. B37

Banner Lane, Coventry, CV4 9GF, Tel: 01203 851243, Fax: 01203 851194

Contact: Nick Kirby

Massey Ferguson Grass Equipment supplies a wide range of compact tractors and turfcare machinery for the professional groundcare market. In addition to its own branded products, the company is the exclusive distributor for Iseki turfcare equipment and Bucher grounds maintenance machines in the UK and Ireland. All three ranges are sold through a nationwide network of dealers.

On show at BTME will be models from the 17 to 35hp MF 1200 compact tractor line-up and the 25 to 45 hp Iseki TA compact tractor range. Also on exhibit will be the Iseki SF 300 diesel front cut mower and Iseki SG diesel riders.

MAXICROP INTERNATIONAL LIMITED

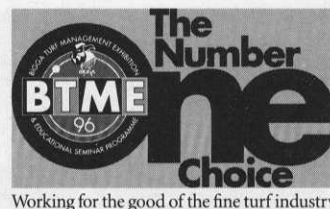
Stand No. C25

Weldon Road, Corby, Northants, NN17 5US, Tel: 01536 402182, Fax: 01536 204254

Contact: Richard Noble

Maxicrop seaweed extract is an organic bio stimulant, environmentally sound and proven to enhance the natural growth processes of turf. As part of a structured and responsible spray management programme. Maxicrop will benefit a deeper root structure and lead to a playing surface much more able to

★ "My Way", "It's not Unusual" and "Hey Big Spender" are just three of the songs which are likely to have Amnesty International coming to their aid after being abused and crucified at the Karaoke Evening in the Majestic Hotel on Wednesday evening.



withstand stress and heavy use. The Maxicrop range now includes a double action product, probe, combining seaweed extract with a practical spray indicator.

McCONNEL LIMITED

Stand No. B15
Temeside Works, Ludlow, SY8 1JL, Tel: 01584 873131, Fax: 01584 876463
Contact: Tina Briscoe

McConnel manufacture a range of power arm mowers for hedge and verge maintenance as well as backhoes, heavy duty flail mowers, rotary mowers from 1.2m, to 6m cutting width and a full range of professional turf care equipment. On display are the three point linkage mounted power arm 90 hedge/grass trimmer for compact tractors of 25hp and above where access is limited. A variable speed hydraulic drive top dresser which accurately distributes a wide variety of materials including mendip loam and a twin leg turf drainer featuring hydraulically dampened rollers relieves surface ponding and compaction on all types of fine turf areas.

MIRACLE PROFESSIONAL LTD

Stand No. B39
Salisbury House, Weyside Park, Catteshall Lane, Godalming, Surrey, GU7 1XE, Tel: 01483 410210, Fax: 01483 410220
Contact: Steve Hall

Miracle Professional (formerly ICI/Zeneca Professional Products) is a leading supplier to the golf market and will be featuring its well-known brands including 'Enforcer', 'Daconil' turf, 'Greenshield' and 'Longlife'. The recent additions to their portfolio, the glyphosate trimesium herbicide 'Touchdown' LA, and the fertilizers 'Renovator' and 'Cleanrun' will also be on display. In addition, Miracle Professional will be highlighting their new selective turf herbicide 'Intrepid'.

Details of their support services, including free soil analysis and the empty pesticide container collection scheme, will be available.

MOMMERSTEEG INTERNATIONAL

Stand No. C4
The Anderson Centre, Huntingdon, PE18 6XY, Tel: 01480 459500, Fax: 01480 459990
Contact: John Akers

New introductions this year include Mocassin, Slender Creeping Red Fescue, Rainbow Chewings Fescue and Amadeus Turf Perennial Ryegrass – all now available within the MM range of grass seed mixtures.

Whether you are constructing a new course, altering or extending an existing one or choosing your renovation mixtures come and talk to our expert staff on Stand C4 later today. We look forward to talking to you.

MONEYSTONE

Stand No. C11
Baths Road, Longton, Stoke on Trent, Staffordshire, ST3 2JQ, Tel: 01782 593233, Fax: 01782 598174
Contact: Chris Davy

Monestone Ltd of Stoke on Trent has become, within two years, one of the country's major suppliers of Rootzone's and Sand to golf course and sports pitch construction projects. Drawing production from sand quarries in seven locations throughout the United Kingdom, Monestone can offer Rootzone to U.S.G.A. specification with substantial savings in haulage costs.

MULTI-CORE AERATORS LTD

Stand No. A22
3 Hillside Close, Euxton, Chorley, Lancashire, PR7 6JB, Tel: 01257 231861, Fax: 01257 231861
Contact: Katharine

Multi-Core Aerators Ltd will be exhibiting at the BTME show for the fifth year running. The TM1000 and TM1500 tractor mounted aerators will both be on display. They combine robust construction with ease of maintenance so downtime is kept to a minimum. The full range of tines from mini hollow to the 19mm hollow giving up to 5 inches of depth will be featured. The popular pedestrian aerator will also be shown offering reliability at an affordable price. If you are looking for an aerator in 1996. Why not visit our stand?

MYERSCOUGH COLLEGE

Stand No. B6
Myerscough Hall, Bilsborrow, Preston, Lancashire, PR3 0RY, Tel: 01995 640611, Fax: 01995 640852
Contact: Stuart Davidson/Lorna Tyson

Few colleges in the UK can better Myerscough's long association with the Sportsturf industry.

This dynamic college provides full-time turf science courses at National Certificate, BTEC National Diploma and Higher National Diploma level. In addition, a wide range of part-time courses leading to NVQ qualifications are designed to meet individual needs. Short courses cover sportsground maintenance, sportsturf construction and drainage, marking out, irrigation and FEPA. The College also offers training courses for business sales and support staff, who supply the turf-grass sector. For further information, come and visit our stand.

NATIONAL TURFGRASS COUNCIL


Stand No. D5
Hunters Lodge, Dr. Browns Road, Minchinhampton, Stroud, Glos, GL6 9BT, Tel: 01453 883588, Fax: 01453 731449
Contact: Peter Helm, Chief Executive

The NTC is demonstrating its current work for the industry, covering the whole range of sports turf and amenity grassland. The NTC is currently concerned with N/SVQ review by The Industry Lead Body for Amenity Horticulture in representing official bodies and has already coordinated feedback on levels 1 and 2. The review of BS 3969:1990 on "Recommendations for turf for general purposes" is currently under way and again the NTC is involved. The stand will display the full range of NTC publications and provide details of future activities.

Come and say hello to

LOUISE LUNN

Exhibition and Marketing Executive



on the BIGGA Stand, D31

NATURE FIRST LTD

Stand No. C24
Wood Lane Nursery, Down Hatherley, Gloucester, GL2 9QB, Tel: 01452 731199, Fax: 01452 731131
Contact: Christine Bromage

Nature First Ltd offer a comprehensive arboricultural service on a nationwide basis. Experts in supply, planting and maintenance of semi-mature trees, the company undertake major contracts for a wide range of clients. Transplanting of trees using their modern fleet of tree spades is regularly undertaken with excellent success rates. Machines with a rootball size of up to 2.1m are available for hire with experienced operators.

Dedicated to the supply of the complete arboricultural service the tree surgery division of Nature First has the facility to offer services such as consultancy, stump removal and brushwood chipping as an integral part of the operation. Highly skilled staff and modern mechanised techniques enable the company to offer competitive quotations in all areas. Enquiries are invited for contracts in Great Britain and Europe.

NETLON LIMITED

Stand No. A33a
New Wellington Street, Blackburn, Lancashire, Tel: 01254 262431, Fax: 01254 694302
Contact: Karen Lambert

Netlon Advanced Turf is the unique combination of a mesh stabilised, free-draining rootzone and natural turf. Together they provide tees with the inherent ability to recover rapidly from damage and equally ensure the divots are half the normal size. Advanced Turf greens possess unrivalled resistance to compaction so that the turf remains healthy and high infiltration rates are maintained. Walkways and cart paths are able to withstand frequent use as a result of the system's high load-bearing capacity.

NEW HOLLAND UK LTD

Stand No. C47
Cranes Farm Road, Basildon, Essex, Tel: 01268 292590, Fax: 01268 292974
Contact: Phelim McGovern

With its 'best in class' hydraulic lift and creeper speed gear box, the Ford 2120 is an excellent choice of tractor for the professional turf industry. The use of larger implements requires a tractor of robust construction, the 2120 will prove to be a capable prime mover. Excellent visibility coupled with superb manoeuvrability make the Ford CM Commercial mowers ideal for grass cutting. A choice of rotary, flail, or cylinder mowers make these units extremely versatile. The Ford GT diesel mower utilises a heavy duty chassis, 3 cylinder engine and a dual range hydrostatic transmission. Hydraulic power is used to raise and lower the 48 inch mower deck which may be of side or rear discharge configuration.

NOMIX-CHIPMAN

Stand No. D28
Portland Building, Portland Street, Staple Hill, Bristol, BS16 4PS, Tel: 0117 957 4574, Fax: 0117 956 3461
Contact: Sophie Le Brenn

Nomix-Chipman is exhibiting their new 700 Weed Control System. This is even easier to use and is ideal for landscapers and golf courses looking for cost-effective weed control products. The 700 Series is a flexible hand-held spray lance which offers instant weed control with ready to use herbicides. Because the spray lance utilises Nomix pre-mixed herbicides, the user doesn't need to mix and measure chemicals on site.

The Nomix 700 weed control system is part of the Nomix Safe-guard range, aimed at promoting safer use of herbicides in the environment. This range includes Nomix Hilite and Touche non-irritant herbicides, offering improved operator and environmental safety.

NORTH WEST TURF

Stand No. A1
Mickering Lane, Aughton, Lancashire, Tel: 01695 422144, Fax: 01695 424251
Contact: Ian Mercer

Suppliers of top quality seeded turf for greens and tees. All our turf is grown on our own farm to very high standards. We also have our own turf laying division, turf supplied in giant or standard rolls. Over the past six years North West Turf have built up an enviable reputation for consistently supplying high quality turf to many golf clubs. This is the first year we have exhibited at the BIGGA show and we look forward to seeing you on our stand.

OAKLANDS COLLEGE

Stand No. D14
Oaklands Campus, Hatfield Road, St Albans, Tel: 01727 850651, Fax: 01727 847987
Contact: Mr I Merrick

Offering the best in Greenkeeping courses, both full and part-time, including National Certificate in Greenkeeping & Sports Turf Management, NVQ Levels 2 and 3, Horticultural Mechanics and the full range of FEPA (spraying) courses, as well as Chainsaw User Certificates – plus a range of other short courses.

Situated in St. Albans with easy access from the M1/M25/A1, Oaklands is a GTC approved College that has been involved in Greenkeeping training for the last thirty years and boasts excellent training facilities.

Call at our Stand in the Education Section and talk to us to see how we can help you meet your training needs, to help you get where you want to go in your career.

OCMIS IRRIGATION (UK) LTD

Stand No. A15
Higher Burrow, Kingsbury, Nr Martock, Somerset, TA12 6BU, Tel: 01460 241939, Fax: 01460 242198
Contact: Roger Davey

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

Ocmis are distributors for Rainbird, Buckner & Hunter and can

See us on
Stand B24
at BTME

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TIMBER ENGINEERING



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ground maintenance*

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Stand D2
at BTME



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dressing - it's in use
at Murryfield today



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Dual lift trailer cuts
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BTME
stand C33

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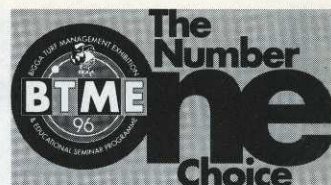


Tel: 01903 262393

Irrigation for horticulture & golf courses

Fax: 01903 694500

★ There will be a flavour of the wildwest in the new Hall D this year with Tex/Mex food on offer. So mount up your mule, don your sombrero, start saying things like "Aarreebah!" and get tucked into your nachos.



supply and service any other make of equipment. Throughout the United Kingdom Ocmis stock MDPE & UPVC pressure pipe, associated fittings, pumping units, electric cable and mobile irrigators.

Ocmis' 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, or a no obligation survey and design contact Ocmis Irrigation (UK) Ltd, Head Office - 01460 241939, Midlands - 01789 414604, Northern - 01924 453102 and Scottish Office - 01312 202102.

PARAGON ENVIRONMENTAL TECHNOLOGY (EUROPE) LTD

Stand No. C18

109 Pannal Ash Road, Harrogate, North Yorkshire, HG2 9AL, Fax: 01423 505600, Fax: 01423 505600

Contact: Nigel Ronson

Paragon Environmental Technology (Europe) Ltd, the sole distributors of Biogran, look forward to meeting you and discussing the benefits of this product as an extremely cost effective granular organic fertiliser/soil conditioner, which is easy to handle and apply and is producing significant benefits for Golf Courses throughout the country. Biogran is produced by Wessex Water the leading water company in the UK for recycling sewage sludge. It is ideal for golf course fairways, tees, around greens and reclaiming and creating new greens. Its slow release properties encourage a strong healthy root growth and turf.

H PATTISSON & CO LTD

Stand No. C43

342 Selbourne Road, Luton, Bedfordshire, LU4 8NU, Tel: 01582 597262, Fax: 01582 505241

Contact: Mr M Hinch

Pattisson celebrate their centenary year, and what a landmark it is for the golfing industry. Pattisson will be launching their 100/100 club at Harrogate, they will be sponsoring greenkeepers for the education programme and details of this will be available from BIGGA. Many surprises lie in store for the year, introduction of 3 new products currently on test and centenary momentous. The new limited edition brochure will be launched with a centenary calendar in the centre page. The calendar show 100 years support to the greenkeepers, and for some greenkeepers will be a walk down memory lane.

PERRYFIELDS HOLDINGS LTD

Stand No. C6

Thorn Farm, Inkberrow, Worcs, WR7 4LJ, Tel: 01386 793135, Fax: 01386 792216

Contact: Derek Smith

Perryfields Holdings Limited - formerly known as Inter Seeds are pleased to give continued support to BIGGA and their members.

We will be exhibiting the PRO range of amenity grass seed mixtures, wild flowers and fertilisers. Quality remains our number one objective. Our products are backed with ISO 9002 Quality Assurance and AGMA membership.

Customers of Perryfields Holdings Limited are guaranteed competitive prices and a fast, friendly service. All PRO range mixtures are delivered on free express 24 hour carrier. Technical representatives will be available to answer questions and provide quotations.

PETROLEUM PRODUCTS & SERVICES LIMITED

Stand No. C3

Dicker Mill, Hertford, Herts, SG13 7AA, Tel: 01992 505775, Fax: 01992 505594

Contact: Natalie Coleman

Alan Shepard played golf on the moon - we helped put him there! LE oils and greases are currently being used by over 600 golf clubs and turf management companies throughout the United Kingdom. LE's high performance grease contains Almagard, LE's exclusive wear reducing additive which won't wash-out or pound out. All our products are designed to deliver higher performance levels than others. Maintenance and downtime costs are cut dramatically so you, the end user, will recover the initial cost of the lubricant many times over. Don't just take our word for it, come and see for yourself how our products compare with our competitors. Demonstrations will be given throughout the exhibition.

PHOENIX SPORTS TURF SERVICES

Stand No. C17

20 Nelson Street, Dalton in Furness, Cumbria, LA15 8AF, Tel: 01229 468001, Fax: 01229 468002

Contact: Karen Clarke

If you have never used cockleshell for your pathways then a visit to the Phoenix stand is a must. Our members of staff will give you full details of the product which is now used by over 400 golf courses throughout the UK including St Andrews, Carnoustie and Sunningdale. Also on show will be the wide range of Top Dressings and construction rootzones available from our quarries throughout England and Scotland. Our Top Dressings are some of the best and most affordable in the country and we can now meet USGA specifications. Phoenix will also be showing the Dunlop Winter tee mat and many other products. Please feel welcome to call for a drink.

PRIME WATERMAN

Stand No. B33

Trustans Farm, Westleton Road, Darsham, Tel: 01728 668668, Fax: 01728 668068

Contact: Glyn Prime

Prime Waterman - designers, and installers of quality irrigation system tailor-made for turf, landscape and sports applications and also importers of Weather*Matic irrigation equipment. The Weather*Matic range comprises impact and gear driven pop-up sprinklers together with remote control valves and a full range of electronic irrigation controllers. To complete its range Prime Waterman supplies the Prime Time 3 wire controller and also imports Ferbo hose reel irrigation machines for sports turf and agricultural uses and markets pumps, pipes, valves and fittings for all irrigation requirements.

PSD AGRONOMY LTD

Stand No. A11

42 Garstang Road, Preston, Lancashire, PR1 1NA, Tel: 01772 884450, Fax: 01772 884445

Contact: J W Hacker

PSD Agronomy Limited provide a complete agronomic consultancy service for the Golf Course. Whether upgrading a mature Course to cope with today's increased play or developing a new Course, PSD Agronomy can help you. Many mature Golf Courses are suffering severe agronomic problems and PSD Agronomy can provide the technical and analytical support necessary for a busy greenkeeping team. New golf courses are being planned every week. Having PSD Agronomy as part of the team will help ensure a high quality, well managed project. See Mike Harbridge, John Hacker or David Stansfield on Stand A11 for further details of services.

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RAINBIRD EUROPE

S.A.R.L

Stand No. D23A

BP7200, 535 Rue Georges Claude, B.I. Les Milles, F-13792, Aix-en-Provence, Tel: (33) 42 24 44 61, Fax: (33) 42 24 24 72

Contact: Katrin Pelanchon

Spanning six continents and touching more than 100

countries with its products and services, Rain Bird has grown to a position of industry leadership through a 60-year commitment to uncompromising quality. Dating from the introduction of its first product, the original impact sprinkler, the company has been known for its innovation in both the design and application of its products.

Today, Rain Bird offers landscape and golf architects the widest choice of pop-up impact or closed-case sprinklers, electric valves and water management control systems. Whatever your irrigation needs are: bowling greens, football or rugby fields, horse race tracks, hockey fields, parks and city landscape developments, golf course or putting greens, there is always a Rain Bird solution.

RANSOMES, SIMS & JEFFRIES LTD

Stand No. A30

Ransomes Way, Ipswich, Suffolk, Tel: 01473 270000, Fax: 01473 276300

Contact: Clare Clark

A brand-new fairway mower is being launched by Ransomes at BTME.

Known as the Fairway 305, the ride-on, five-unit machine complements the range of Ransomes 250 lightweight fairway mowers to provide exceptional levels of performance, economy and operator comfort.

Joining the Ransomes 305 on the company's extensive exhibit are the T-Plex 185 tees and surrounds mower with its up-front driving position, a Cushman 4-Wheel Turf-Truckster, a Ryan GA30 aerator and Mataway overseeder/dethatcher and a trio of tournament quality greens mowers - the walk-behind Greens Super, a diesel-engined G-Plex and the revolutionary all-electric E-Plex mower.



The Revolutionary
V-1550

SEE IT AT HARROGATE: STAND B41, HALL B

Toro Irrigation Products distributed in UK by



TIL Irrigation Limited

Ringwood Hampshire BH24 1JG

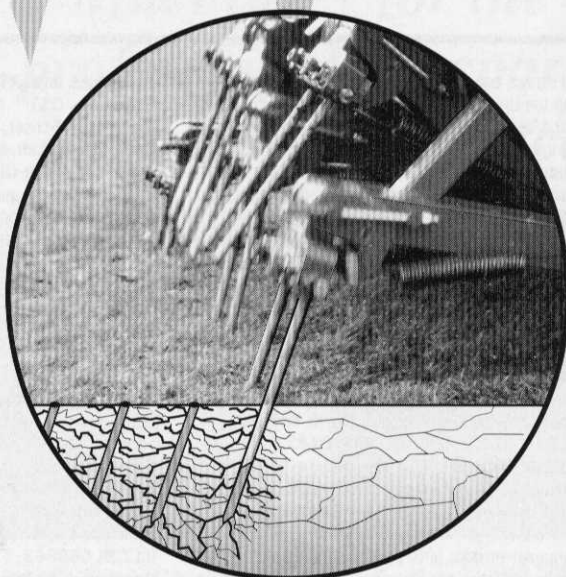
Tel 01425 476261 Fax 01425 472380

EARTH SHATTERING!

The Huxley Soil Reliever

- the ultimate in deep compaction relief for all soils beneath all sports turf surfaces.

- Suitable for most turf tractors from 30hp upwards.
- Rapid tine action ensures a cleaner, quicker finish.
- Reduced maintenance - greasing required just once a week.
- Rugged steel construction for a long working life.
- Available in a choice of 60" or 80" working widths with $\frac{5}{16}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ " or 1" solid tines or $\frac{5}{8}$ ", $\frac{3}{4}$ ", 1" or $1\frac{1}{4}$ " coring tines. Maximum tine depth: 14".
- Backed by probably the best after-sales service in the business.



See us on
Stand A32
at BTME

HUXLEYS GRASS MACHINERY LTD

The Dean, New Alresford,
Hampshire SO24 9BL
Tel: 01962 733222
Fax: 01962 734702

5 Simpson Road,
East Mains Industrial Estate, Broxburn,
West Lothian EH52 5AU
Tel: 01506 856968 Fax: 01506 856086

On Site with Hunter Golf

Gear-Drives That Go The Distance

Planning a new course or upgrading your existing system? Hunter now has a complete line of reliable golf rotors that are fully compatible with all irrigation systems, and ready to perform in the toughest conditions.

Hunter's exclusive Pure Flow filtration valve handles the dirtiest water, and our proven gear-drives deliver years of quiet, trouble-free operation.

- All Models Feature**
- 80mm pop-up
 - Easy, through-the-top servicing
 - Built-in recess for yardage markers
 - Adjustable arc and full-circle
 - Check-O-Matic, Hydraulic and Electric Valve-In-Head

Authorized Hunter Golf Distributor

Sports Ground Irrigation Co.

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

Clearwater Limited

Portmarnock
Co Dublin
Tel/Fax: 1-8461025

Sports Turf Services

Newbridge
Midlothian EH28 8LE
Tel: 0131 333 2345
Fax: 0131 333 5311

Hunter®

See us on
Stand A8
at BTME

G-600
Check-O-Matic

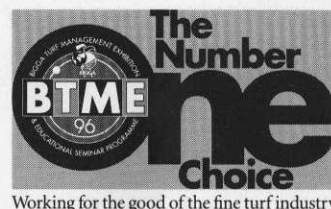


G-700
Electric
Valve-In-Head

G-550
Hydraulic
Valve-In-Head



★ Companies wanting to gain maximum publicity should deposit press packs in the Press Centre in Hall D



REASEHEATH COLLEGE

Stand No. D11

Nantwich, Cheshire, CW5 6DF, Tel: 01270 625131, Fax: 01270 625665

Contact: Beverley Cope

Reaseheath College offers sports turf courses at a range of levels, from BTEC First Diploma and BTEC National Diploma up to the Higher National Diploma in Golf Course Management. The courses are complemented by Reaseheath's excellent training facilities including a nine-hole golf course which operates as a commercial golf club. The Reaseheath stand will also feature two new courses to cater for the working groundsman/greenkeeper. The National Intermediate Diploma of the Institute of Groundsmanship will be offered as a two year evening course and the BTEC Higher National Certificate is a part time route to the equivalent Diploma.

RHÔNE-POULENC ENVIRONMENTAL PRODUCTS

Stand No. A6

Fyfield Road, Ongar, Essex, Tel: 01277 301114, Fax: 01277 301119

Contact: Jonathan Hill

Come along to the Rhône-Poulenc stand and pick up your free copy of our new, IOG award winning, technical manual. The manual is produced in full colour and broken down into colour coded, tab marked sections, eg. fungicides. Each section begins with helpful information including colour photographs of the major weeds, diseases and pests to help with identification. After all, correct identification is the basis of control! The section then continues with label information and a colour pack shot for each product in our comprehensive range.

RIGBY TAYLOR LIMITED

Stand No. A23

Rigby Taylor House, Garside Street, Bolton, Lancs, Tel: 01204 394888, Fax: 01204 385276

Contact: Craig Aucott

More new products from the Company that brought you Rimidin and Bastion T to keep you in the forefront of fine turf management technology. Further improvements have also been made to our already successful range of fertilisers and grass seeds, all of which are featured in our revised product guides. Details of the full range of Mascot products will be available along with our unique customer support package.

RISBORO' TURF

Stand No. A38

Chinnor Road, Bledlow, Bedfordshire, HP27 9PH, Tel: 01844 274127, Fax: 01844 274191

Contact: Mark Barthelmie

RTS will be showing their established range of pedestrian and mounted sorrell rollers plus for the first time at BTME the new Hercules 1524 multi tine spiker and the Neary rotary blade grinders and backlappers from the USA.

We will also be showing a pedestrian and pushed/pulled acrow ballpicker and the low loading machinery trailer for compacts and/or trucksters.

RITEFEED LTD

Stand No. C12

Electron House, Electron Works, Brook Street, Preston, Lancashire, PR1 7NH, Tel: 01772 253521, Fax: 01772 881338

Contact: John Walker/Richard Lawrence

"This new product, is the way to be in control of your turf culture" Derek Ganning, The Belfry. "The most versatile and long lasting liquid I have used" Neil Whittaker, Woburn Golf and Country Club. "The ideal product for us...extremely cost effective" Charles White, Largs Golf Club. What new product are they all talking about? Visit Ritefeed on Stand C12 to find out about the most exciting product to be launched on the Golf Course market, in the last ten years. If you are unable to visit the show, give us a ring and we will arrange for one of our turf consultants to call, after the show and give you all the latest information.

ROADPHONE COMMUNICATIONS

Stand No. D9B

Pinfold Road, Bourne, Lincs, PE10 9HT, Tel: 01778 421250, Fax: 01778 421076

Contact: Mike Bailey

Communications specialists for sales, hire and service of two-way mobile radios, hand portables, base stations and radio systems. Radio equipment and cellular telephones available for long or short term hire contracts. Service centre of Motorola, Tait, Icom and Philips PMR equipment. Cellular telephone sales, service and installation of equipment manufactured by Motorola, Panasonic, Mitsubishi, Sony and Ericsson. Home/office telephone systems and fax machines from Panasonic and Mitsubishi. Our large showroom at Bourne is open Mon-Fri, 8.30am to 5.30pm. Sat 9.00am to 1.00pm for sales, service or advice.

Member of the Federation of Communications Services Ltd.

Come and say hello to

SAMI COLLINS

Clerical Assistant

on the BIGGA Stand, D31

ROBERINE/JOHN DEERE LTD

Harby Road, Langar, Nottingham, NG13 9HT, Tel:

01949 860491, Fax: 01949 860490

Contact: Graham Williams

Stand No. A34

UK distribution of Roberine's full range of professional grass cutting equipment was transferred to sister company John Deere Limited from Claymore Grass Machinery at the beginning of January.

John Deere is establishing a separate dealer agreement for Roberine products, utilising Deere's established service and parts supply network.

Roberine machines on show include a five-gang model 1900 self-propelled fairways mower, a model 400 tees and surrounds cylinder mower and a model 800 front mower with 1.5m rotary deck.

The 1900 is fitted as standard with joystick-operated individual cutting unit lift and foot pedal-operated simultaneous quick lift for cross-cutting. An optional air suspension seat is also available, to provide the ultimate in operator comfort.

ROLAWN (TURF GROWERS) LTD

Stand No. A31

Elvington, York, Tel: 01904 608661, Fax: 01904 608272

Contact: Terry Ryan

Rolawn was founded in Scotland over 20 years ago and has grown to become the largest turf company in Europe. At BTME '96 the company will be exhibiting its crop of advantage greens turf. Rolawn has become the first turf company in the UK to introduce independent testing of its turf by the STRI.

Also on show will be Rolawn's famous medallion turf and the new budget rolls launched last year. During BTME '96 Rolawn will be running a daily competition with 12 bottles of fine Scottish Whisky to be won each day.

RUFFORD TOP DRESSING

Stand No. A25

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

Contact: Peter Jefford

Rufford Top Dress Supplies are leaders in the field of supplying golf courses, bowling greens and Winter sports pitches throughout the UK with a superior range of turf dressings, sands, soils and construction rootzones mixes. New for BTME '96 is Wetter Aide a unique combination of specially formulated wetting agent granules incorporated into the Rufford Top Dressing of your choice.

SAXON INDUSTRIES

Stand No. B30

Lower Everland Road, Hungerford, Berkshire, RG17 0DX, Tel: 01488 684545, Fax: 01488 681525

Contact: Mary Huxter/Colin Honeybone

Saxon Industries will be exhibiting the Saxon Triple 180, an excellent general purpose mower for golf courses. Also the 22 inch pedestrian greens mowers, two models, one complete with groomer and positive straight drive system also a non

groomer model. All cylinders in Saxon mowers are constructed from nickel chrome tungsten.

SCOTTISH GOLF UNION

Stand No. D26

The Cottage, 181a Whitehouse Road, Bamton, Edinburgh, EH4 6BY, Tel: 0131 339 7546, Fax: 0131 339 1169

Contact: Ian Hume

The Scottish Golf Union as the governing body of the sport is fully aware of the need to support an active programme for the continuous training of greenkeepers at all level. In addition we are also actively pursuing a joint venture with the Scottish Natural Heritage and the Scottish Golf Course Wildlife Trust for the establishment of a full time Ecology Advisor for Scotland. The appointed person will be available to assist our member clubs on matters relating to an ecology programme for their courses. It is hoped that this programme which is golf led will lead to a better understanding of such matters and alleviate any fears which may exist.

SCOTTS UK LTD

Stand No. A2

61 Loughborough Road, West Bridgford, Nottingham, NG2 7LA, Tel: 0115 945 5100, Fax: 0115 945 5311

Contact: Mark Hunt

Scotts UK Ltd will be displaying their recently introduced range of fertilisers for close mown and fine turf applications featuring Scotts Unique Poly S and Methylene Urea technology. Alongside these products will be a new improved Sierrablen turfmix available in both 5-6 and 8-9 month longevities for once per season applications to tees, fairways, wear areas and new course 'grow-in'. Also on show will be the popular R8-A spreader with its unique helical cone for even application of fertilisers to most areas on the golf course, together with spreader settings for all Scotts products.

SEWARD TURF MAINTAINANCE

Stand No. C28

Windmill House, Wigginton, York, Tel: 01904 765949, Fax: 01904 760016

Contact: Paul Seward

Specialising in turf compaction Swards is the first company in the UK to operate the vertidrain, and now has available two 2.5m fairway and two 1.45 greens machines. Swards have now added their own developed sand and gravel slitting machine to their range for both sale and hire. Overseeding is carried out with various types of drills, hollow tining fairway grooming with a collector is also available. Top dressing is carried out with a 1 and 4 ton spreader. We are also distributors for force limagrain grass seeds, fertilisers and top dressing.

SHARPES INTERNATIONAL

Stand B28

Sleaford, Lincolnshire, NG34 7HA, Tel: 01529 304511, Fax: 01529 303908

Contact: Ian Backhouse

Sharpes International will be highlighting the difference between various bent grasses for greens mixtures. In particular the company will be explaining the benefits of Sefton over Highland and providing technical information on the "Penn pals" - Penncross and Penneagle. The 1996 designer mixture catalogue will be available along with copies of a new publication - "Useful hints on how to manage creeping bent grasses".

SISIS EQUIPMENT (MACCLESFIELD) LTD

Stand No. C41

Hurdsfield, Macclesfield, Cheshire, SK10 2LZ, Tel: 01625 503030 Fax: 01625 427426

Contact: Mrs Hilton (Publicity Manager)

Sisis will launch a new seeder at BTME. See it on their stand along with the now well established 321-D tractor and the technicore vertical aerator. The technicore, with its wide range of interchangeable tines is the most versatile greens aerator on the market, offering deeper penetration than any other machine of its type. Making its first appearance at BTME is the Powaslot, one of the newly introduced range of Sisis trenchers, designed for use with compact tractors and therefore within the scope of golf clubs for purchase hire.

SOVEREIGN TURF LTD

Stand No. C19
14 Eagle Walk, Norwich, NR2 2JA, Tel: 01603 664209, Fax: 01603 664209
Contact: Steve Williams

Sovereign Turf Ltd will be exhibiting their New Century greens turf launched last year and well received by all greenkeepers who have used it. It is grown on light sandy loam similar to USGA specification rootzone and does not require washing before it is laid. Sovereign's Elite tees turf will also be on show. The very fine leafed limousine also makes this ideal for greens surrounds and approaches finally Sovereign Regal sports turf which is hard wearing and recovers quickly enough for Winter sports pitches, yet is fine enough for use on tees. Sovereign's turf is available direct or via local distributors.

SPARSHOLT COLLEGE HAMPSHIRE

Stand No. D9A
Sparsholt, Winchester, SO21 2NF, Tel: 01962 776441, Fax: 01962 776587
Contact: R G W Young

1996 continues to see changes in Further Education, both in the national arena with NVQ's and more specifically to Greenkeeping, with the further development of the GTC Greenkeeping and Supervisory Certificates. As would be expected from one of the primary trainers to the industry and as an approved status Greenkeeping College, Sparsholt College now offers a complete programme of courses that meets the needs of all industry approved training. Provision for 1995/1996 is summarised as follows: Full-time - National Diploma and National Certificate in Golf Course and Sports-ground Management. Part-time - NVQ - Levels 2 and 3 Greenkeeping, TDLB - Assessor Training, GTC - The Certificate in Golf Greenkeeping and Supervision. Short Courses - A full range of legislative and short courses. Full residential facilities available.

SPORTS GROUND IRRIGATION CO

Stand No. A8
Market Harborough, Leicestershire, Tel: 01858 463153, Fax: 01858 410085
Contact: Mike Walker

SGI will be showing the latest products from Hunter Industries, including the new I31 plus sprinkler. In addition a working 'Phairway' acid injection system will be demonstrated - the answer to 'take-all' and black layer on alkaline sand greens. Free water and soil sampling offered during the exhibition.

Come and say hello to

VICKIE PECKHAM

Senior Secretary

on the BIGGA Stand, D31



SPORTS TURF RESEARCH INSTITUTE

Stand No. D15
Bingley, West Yorkshire, BD16 1AU, Tel: 01274 565131, Fax: 01274 561891
Contact: Anne Wilson

The STRI is recognised as the leading authority on the construction and management of golf courses. It is the national centre for the investigation of problems affecting the establishment and maintenance of turf for golf and a range of other sports and amenities. Its advisory service provides the means by which this expertise is made available to the industry. STRI agronomists cover all parts of the UK and several European countries where they advise on over 1000 golf courses. STRI also provides an architectural service, carries out ecological appraisals of golf courses and offers 5-day instruction courses for greenkeepers.

STANDARD GOLF (UK) LTD

Stand No. B36
Maxwell Hart Business Centre, PO Box 297, Lightwater, Surrey, GU18 5HJ, Tel: 0345 125398, Fax: 01276 454616

Contact: Duncan Stewart

Standard Golf UK Limited will be displaying a complete range and colours of American Equipment and also UK manufactured Golf Equipment. Standard Golf UK limited offer a complete range of Golf Course Furniture and are also distributors for Tacit, Patissons and Stewarts of Edinburgh. Standard Golf UK Ltd are truly the one-stop Company for all your Golf Course needs. The 1996 addition to the Standard Golf range will be on show together with Winter tee mats, driving range mats and a complete range of course signage, offering the widest choice available on the market. Duncan, Andrew, Lisa and Paula will be on the stand to answer your queries and to demonstrate the equipment on offer. There is a special show offer to visitors of the BTME Show and details will be available on our stand.

SUPATURF PRODUCTS LTD

Stand No. A4
2 Maizefield, Hinckley, Leicestershire, LE10 1YF, Tel: 01455 234677, Fax: 01455 234714
Contact: Rachel Higgins

Another innovating BTME for Supaturf. Supaturf will be displaying it's world beating soil surfactant primer 604 fresh from the most dynamic and successful product launch the industry has seen for many years.

At the show there will be the opportunity to join the new and totally free water management forum, which will offer all readers an opportunity to catch up on the latest news from around the world and share valuable information on this most important subject. Also on show, Supaturf will be launching a major new range of compacted granular, methylene urea based controlled release fertilisers. This range will be the most advanced

BTME
Stand A7

Relief grinding attachment

Electric drive lifting table

technology fertilisers available in the world today and will perfectly compliment Supaturf's more traditional range. Come and see Supaturf at stand A4 where innovation is a tradition.

SUPREME MOWING LTD

Stand No. C2

Wet Moor Lane, Wath Upon Dearne, Rotherham, Tel:

01709 873436, Fax: 01709 878005

Contact: Paul Wakefield

Makers of the world's finest grinding machines and superior replacement parts, including cylinders, bottom blades etc for all makes and models of turf machinery. Supreme Mowing are also pleased to announce the launch of their range of back lapping machines offering high quality low budget maintenance of all cylinder mowers.

SYMBIO

Stand No. B25

Sutton Business Centre, Restmor Way, Wallington, Surrey, SM6 7AH, Tel: 0181 669 0011, Fax: 0181 773 8449

Contact: Guy Longshaw

At their fourth BTME Symbio present their range of advanced biotechnology products for sports turf and water amenity management. The turf products have proved extremely effective in solving a wide number of turf problems. In particular they are used for thatch reduction, improving disease resistance and treating sub-surface problems such as black layer. In addition to problem solving, Green Circle is routinely used to encourage sports turf to feed itself from soil organic matter, thereby improving rooting and reducing fertiliser and fungicide inputs. Symbio offer a specialised service for managing amenity and recreational water. They have successfully restored water features which have suffered from nutrient enrichment and incoming pollu-

tion giving effective control of algae, blanket weed and noxious smells. Advice will also be on hand for Symbio's other biotechnology products for septic tank and effluent treatment plant maintenance, oil spill clean-up (including Oil Remover for turf), soil decontamination as well as surface cleaning and drain maintenance.

T & G IRRIGATION SERVICES

Stand No. B40

38 Halfpenny Lane, Knaresborough, North

Yorkshire, Tel/Fax: 01423 864963

Contact: Tony Anderson

Many people in the golf industry will no doubt be aware of the sudden and tragic death of Tony Tegg in T & G Irrigation in November. Tony was highly regarded by all who knew him. Despite the loss, the Company will be represented at the show as usual, sharing a stand with Watermation and will welcome their customers, old and new.

T.I.L. IRRIGATION LTD

Stand No. B41

Water House, 10 Carvers Industrial Estate,

Southampton Road, Ringwood, Hampshire, BH24

1JS, Tel: 01425 476261, Fax: 01425 472380

Contact: Graeme Francis

T.I.L. Irrigation as the national distributor for Toro Irrigation products are pleased to announce the introduction of a unique pop-up sprinkler. Following on from their success with, amongst others, gear driven rotation and electric valve-in-head control, Toro have developed the V-1550 and you can see it for the first time at BTME '96. Taking the proven concept of gear driven rotation and multinozzling to a higher level the Toro V-1550 is the world's most advanced rotary sprinkler in its performance range. Come and see the future of pop-up irrigation with TIL irrigation and Toro.

TACIT

Stand No. B1

48 Hillmorton Road, Rugby, CV22 5AD, Tel: 01788

568818, Fax: 01788 537485

Contact: Richard Webb

Tacit extend a warm welcome to our many UK, European and overseas visitors. This year we will be showing our usual range of top quality golf course accessories, plus a selection of new products. In response to many golfers comments that the present hole placement indicators which are attached to the flagstick are not satisfactory, Tacit have designed a completely new placement indicator which is attached to the 150yds distance marker. To learn more about this and other new products for 1996, call in at stand B1 where our friendly staff will be pleased to assist.

TALBOT FARM LANDSCAPES

Stand No. D24B

Talbot Farm Nursery, 75 Derby Road, Hilton,

Derbyshire, DE65 5FP, Tel: 01283 732755, Fax:

01283 732755

Contact: Sean Goodwin/Mark Goodwin

Talbot Farm Landscapes is a progressive company, which operates nationwide, laying turf right across the scale ranging from small family homes to large country houses, sports fields and amenity areas for local authorities.

We have successfully completed a number of golf courses throughout the country to include the Carnegie Golf Course, Skibo Castle, Dornoch; Pavenham Park Golf Course, Bedford; Burgham Park Golf Course, Burgham, Northumbria; Matfen Hall Golf Course, Matfen.

We have also undertaken work at a number of business developments throughout the country and have recently developed our own laying machine, "The Turfporter", which is proving to be a major asset to our company.

MAKE PEACE WITH YOUR GREENKEEPER...

Order an Atterton for him this season.

He worried the life out of all the committee members and kept on complaining about sending out his cylinders for grinding.

He told everyone about the attributes of an Atterton grinder, how you can grind in-situ with the cutter unit still in the machine.

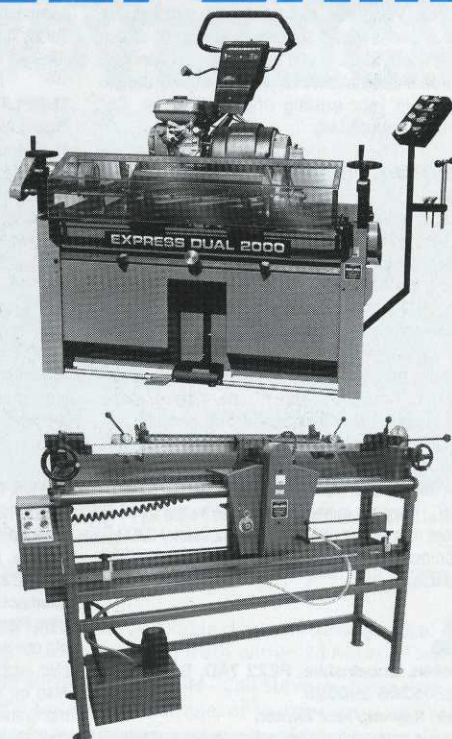
How you can grind the cylinder separately when the machine's stripped down for maintenance.

How there's a new model out with a relief grinding attachment and an electric drive lifting platform to get those heavy old gang units up onto the grinding table.

How there's a bottom blade grinder that made the ideal pair and how the pair of them would enable him to keep his cutter units and the course in tip top condition.

How they're both the best in the business and he wanted 'em bad!

We made peace with our greenkeeper - do the same and you'll see how an Atterton reduces service account costs and provides real benefits to your greenkeeper and the course!



AE **ATTERTON & ELLIS LTD**
Manufacturers of Fine Grinders for over 100 years
 Iron Works, Haverhill, Suffolk, CB9 8QH
 Tel: 01440 702312 Fax: 01440 712138

TILCON TRUSCAPE

Stand No. C15

Eaton Hall Works, Manchester Road, Congleton, Cheshire, CW12 2LU, Tel: 01260 275214, Fax: 01260 299149

Contact: David Lainton

Truscapes "one stop shop" facility gives specifiers, contractors, groundsmen and greenkeepers access to Tilcon's sports turf range of construction and maintenance products. Truscapes also offers specialist aggregates like Harden Red and a full range of standard construction and maintenance materials. Dave Lainton and Terry McGarrigle will be on the stand to give information on any of the Tilcon products.

TILDENET LIMITED

Stand No. C23

Longbrook House, Ashton Vale Road, Bristol, BS3 2HA, Tel: 0117 966 9684, Fax: 0177 923 1251
Contact: Lawrence Green/Ruth Hensman

Tildenet Limited will be exhibiting their established germination material whilst introducing the new Economy material. The economy germination material will enable greenkeepers to cover large areas at a fraction of the cost. As market leaders in Sports Ballstop netting Tildenet can offer advice on installation or a free site survey, other products include antiball plugging net; target nets; chipping nets and golf practice nets. Adding to this range is the new Epic target green and their latest net bay dividers as used at Celtic Manor.

D W TOMLIN

Stand No. C36A

Old Leake, Boston, Lincolnshire, PE22 9JS, Tel: 01205 870535, Fax: 01205 871304

Contact: Mr R Tomlin

D W Tomlin will be exhibiting a range of machinery suitable for use with compact and larger horsepower tractors for maintaining and construction of golf courses and sport grounds.

TONICK WATERING

Stand No. C33

2 Prince William Close, Worthing, BN14 0AZ, Tel: 01903 262393, Fax: 01903 694500

Contact: Tony Ware/Sandy Ware

Decoders, highly reliable equivalents to Watermation, CIC, WrightRain, Primetime, Robydom and Photron are offered by Tonick. Our versions come with a 3 year warranty and are normally from stock. Vulnerable and confusing switches are replaced by your own low cost address programmer. It also tests your existing decoders. If you suffer from decoder failures, you can now choose an alternative high reliability design, this will perform in your existing irrigation system. Our decoders are priced competitively.

TORO COMMERCIAL PRODUCTS/LELY UK

Stand No. B41

Station Road, St Neots, Huntingdon, Cambs, PE19 1QH, Tel: 01480 476971, Fax: 01480 216167

Contact: Peter Mansfield/David Cole

Toro is launching the industry's first 7-plex fairway mower – the Reelmaster 6700-D – and showing four other turf maintenance machines recently added to the range. The 6700-D is a powerful new fairway mower with a 133" cutting width, designed to give a quality cut at high levels of productivity. Among many new innovative features, the 42hp machine boasts Toro's unique L-I-N-K-S cutting unit suspension system, to 'hug' the turf and reduce 'bobbing', even at very high forward speeds. Also on the stand is the Reelmaster 6500-D, a slightly smaller, 38hp model with five cutting units and a working width of 96". They are joined by the Reelmaster 2300-D precision-cut tees mower, the ultra-quiet Greensmaster 3200-D ride-on greensmower, and the 4-wheel drive Workman 4000 Series utility vehicle.

TOTRAX LTD

Stand No. D20

Langrick, Boston, Lincolnshire, PE22 7AD, Tel: 01205 280578, Fax: 01205 280520

Contact: David Raynes/Nev Tointon

Totrax offers a wide range of turf and tractive tyres to suit every pocket. With a varying range of patterns available from leading manufacturers the Company is able to provide a tyre to suit the

majority of machines and most applications. To complement this Totrax offer a wide range of wheels to fit ride-on mowers, compact tractors. They also offer conversions from agri-tyres to turf and vice-versa.

The Totrax 15-15 tyre fitting machine will be displayed on the stand and is specially designed to fit tyre and implement as well as standard tyres in your own workshop, thus avoiding expensive callout charges and a reduction in down-time. Repair materials and compressor can also be supplied.

Come and say hello to
PAULINE THOMPSON
Accounts Clerk
on the BIGGA Stand, D31



TURF MANAGEMENT

Stand No. B11

60 Waldegrave Road, Teddington, Middlesex, TW11 8LG, Tel: 0181 943 5694

Contact: Richard Garlick/Katherine MacKinley

Win a free half-day visit from top golf course consultants PSD when you come to the Turf Management stand to register (or re-register) for a year's free subscription. PSD's John Hacker and David Stansfield advise some of the country's top courses, including Royal St Georges, Walton Heath and Lindrick, as well as the English Golf Union. Think what they could do for your course! Come and meet the staff from the Haymarket horticulture group, Britain's leading group of horticulture magazines: Turf Management, the independent voice of greenkeepers and groundsmen; Horticulture Week, the industry's best selling magazine; and Amenity Horticulture, the monthly buyer's guide for landscape contractors and local authorities.

TURF-ACTANT PRODUCTS

Stand No. C7

Hollies, Pebmarsh Road, Twinstead, Sudbury, Suffolk, CO10 7ND, Tel: 01787 269292, Fax: 01787 269970

Contact: Richard Davies

Richard Davies and Edward Clarkson look forward to you visiting stand C7 and discussing with them the established range of Turf-Actant Products. In addition the micro-biological products from Symbio, Kelpie composted seaweed, and Service Chemicals' range including Turfex, Spraywet, Go Green and the new dry patch treatment Alleviate will be on display.

TURFLAND

Stand No. D23

Red House Farm, Dutton, Warrington, Cheshire, WA4 4LL, Tel: 01928 714336, Fax: 01928 710329

Contact: Nick Sales

Turfland will be showing their top quality turf now being grown at their Southport nurseries. The growing medium is light, sandy, grade one soil producing their best turf ever. An average sq. metre roll weighs a mere 11kg making it easy to handle and lay. Deliveries are made by Turfland trained drivers and customers are not expected to assist in unloading vehicles. Turfland Professional Equipment will also be on the stand representing the Brouwer, Landpride and Steiner range of excellent grass cutting and maintenance equipment. Chris Whatmore Jr. of Turfland and Nick Sales of T.P.E. Ltd extend a warm welcome.

ULTRA PLANT

Stand No. D2

35B Farlough Road, Newmills, Dungannon, Co Tyrone, Northern Ireland, BT71 4DU, Tel: 01868 747582, Fax: 01868 747582

Contact: Kevin Gates

Ultra Plant will be displaying our range of topdressers, including our new UB50 Topdresser which can fit most utility vehicles, including Cushman etc. A demonstration is a must. Also on display will be our very successful HL40 high lift dump trailer, designed to reduce double handling and laborious tasks.

Ultra Plant will also unveil our new mixer/blender for topdressings etc. Please call for a friendly Irish welcome.

UNDERGEAR EQUIPMENT (RBP) LTD

Stand No. B4

Black Lake Works, West Bromwich, West Midlands, B70 0PD, Tel: 0121 553 1606 Fax: 0121 553 1307

Contact: John Edwards

Undergear offer what is probably the most comprehensive range of turfcare tyres in the world. In addition to being sole UK distributors for Goodyear Terra Tyres, Undergear are distributors for Trelleborg, Bridgestone, Carlisle and Continental tyres. Undergear developed their own 'Golf' design tyre specially for the preparation of the Ryder Cup course at the Belfry. This tyre is now working on courses all over the UK and is also exported to many countries. Undergear can supply tyres for most machines and with their own wheel-making facility offer complete tyres and wheel units to the customer's individual requirements.

UNITED MOWERS LTD

Stand No. C34

Willow Croft, Baston Road, Greatford, Stamford, Lincs, Tel: 01778 560304, Fax: 01778 560305

This year United Mowers Ltd have introduced two new machines to their range. The first one is the United Super Wizzard, the most advanced rotary mower of its type, with independent hydraulic drive to the wings. The wings will cut above or below ground level enabling it to follow all ground contours. This machine has had 40 years of development behind it. The second new machine to our range is the United Multi-Set Grader Blade. This will be the most advanced grader blade of its type in the UK. Different models for different sized tractors will be available. Hundreds of positions can be selected from inside the tractor cab by fingertip control.

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VITAX LTD

Stand No. A37

Owen Street, Coalville, Leicester, LE67 3DE, Tel: 01530 510060, Fax: 01530 510299

Contact: Trevor Holmes

With over 50 years experience of supplying a range of high quality cost effective products to the professional amenity and grower markets, Vitax will be displaying their full range of sport amenity chemicals and key range fertilisers. Plus with the success of last year's prize draw scheme for a BIGGA gift voucher, we shall be running the same prize draw at this year's show. The value of the voucher has been increased to £150.

WARWICKSHIRE COLLEGE

Stand No. D12

Moreton Morrell, Warwick, CV35 9BL, Tel: 01926 651367, Fax: 01926 651190

Contact: Graham Martin/Brian Nuttall

Warwickshire College is a GTC approved greenkeeper training college in the Midlands. It is set in some 500 acres of landscaped parkland, with turf facilities including soccer, rugby and hockey pitches. There is a small par 3 golf course, which is being expanded by students during practical sessions, ultimately to become a 9 hole course. The college is currently running NVQ greenkeeping levels 2 and 3 on a day release basis, and an evening course for the IOG National Intermediate Diploma. Other horticultural courses are also offered, including a two year National Diploma in Horticulture with greenkeeping option.

WATERMATION SPRINKLER & CONTROLS LTD

Stand No. B40

Tongham Road, Aldershot, Hants, GU12 6AA, Tel: 01252 336838, Fax: 01252 336808

Contact: Eileen Hawthorn

Watermation will once again be sharing a stand with T & G Turf Irrigation Services of Knaresborough, N. Yorkshire their Northern Distributor.

On show will be Watermation's latest tough, easy maintenance sprinklers, which incidentally are made in Britain, a fact which ensures ready spare parts. Along with their world renowned TW2 controller will be their latest remote control handset with its many advanced operating features. Watermation and T & G welcome customers, old and new.

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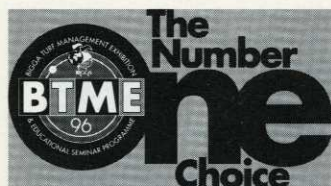
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WHO'S AT THE SHOW

WELSH COLLEGE OF HORTICULTURE

Stand No. D9

Northop, Mold, Clwyd, Tel: 01352 840861, Fax: 01352 840731

Contact: Graham Wright

An accredited college to offer NVQ/GTC courses from Level 3 at the College was successfully completed last summer. The College prides itself on being at the cutting edge of training and innovation. Last year for instance saw the first greenkeeper to gain an accredited award through a Homestudy form of learning. This method of learning can be very appealing to certain groups of greenkeepers ie. abroad, rural, small clubs or even very large ones. The Welsh College prides itself on its friendly flexible approach to training.

WELSH GOLFING UNION

Stand No. D26

Catsash, Newport, Gwent, NP6 1JQ, Tel: 01633 430830, Fax: 01633 430843

Contact: Richard Dixon

The Welsh Golfing Union was founded in 1895 and in the Union's Rules and Constitution are listed the five main objects of the Union. One of these object's is "To assist in the establishment and maintenance of high standards of greenkeeping". To help achieve this the WGU during the past 10 years has instigated and hosted a number of Seminars and Workshops which have addressed greenkeeping and golf course related topics. The Union has also assisted its affiliated clubs by providing grants to clubs which have students attending appropriate courses at the Welsh College of Horticulture, Northop and Pencoed College, Bridgend.

WESSEX SOFTWARE SYSTEMS

Stand No. B14

P O Box 11, Billingshurst, West Sussex, RH14 9EJ, Tel: 01403 784864, Fax: 01403 784067

Contact: Guy Coleman

Wessex is the UK and Republic of Ireland Dealer for the Qquest

Software Systems range of software programmes. The maintenance management software is of great benefit to any organisation that has regular servicing and maintenance needs, be it equipment, facilities or grounds, the shop management software has been developed to facilitate the day to day management of agricultural, garden and groundskeeping equipment dealers. The system includes all the latest PC technology, including CD ROM electronic imaging. The ETC Time and attendance clock is today's technology version of the paper punch card clock. Easy to use, the ETC is very effective in monitoring employee attendance or absenteeism.

WHITE HORSE CONTRACTORS LIMITED

Stand No. C9

Blakes Oak Farm, Lodge Hill, Abingdon, Oxon, OX14

2JD, Tel: 01865 736272, Fax: 01865 326176

Contact: Kevin Smith

White Horse Contractors Limited, drainage specialists since 1957 have, over the years evolved into a company with a wide range of experience in all aspects of land drainage and sports-field/golf course construction. The Company operates throughout the UK using its own specialist plant which boasts of six fully equipped laser grade control Mastenbrook trenchers. WHC are able to provide a comprehensive package from design through to construction for a wide range of projects.

The company offers services including drainage, sand slitting, sand grooving, vertidrainage and top dressing, water supply, irrigation, lakes and ponds, access roads, fencing and landscaping, all carried out by its own experienced workforce.

WIEDENMANN (UK) LTD

Stand No. A33

Stoney Brae, Potter Hill, Paisley, Tel: 0141 884 2552, Fax: 0141 884 6252

Contact: Gordon McMurdo

Wiedenmann (UK) Ltd the Scottish based importer of the highly successful Terra-Spike machine will be exhibiting a Terra-Spike P160 on stand A33 at Harrogate. Wiedenmann UK sell through a

nationwide dealer network, and have sold many Terra-Spikes to golf Courses, local authorities and private sports clubs.

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For further details on the Terra-Spike range please call by the Wiedenmann stand at BTME or telephone Gordon McMurdo at Wiedenmann (UK) on 0141 884 2552.

WOOD GRAPHICS

Stand No. C31

24 Nottingham Road, Southwell, Notts, NG25 0LF,

Tel: 01636 814319, Fax: 01636 816687

Contact: Patrick Roberts

Wood Graphics manufacture high quality routed wooden signs which are designed for use in the countryside. Signs are custom made to clients own requirements using traditional materials and methods. A variety of styles and finishes are available, ideal for golf courses, caravan parks, country parks and nature reserves.

YORK & MARTIN

Stand No. B8

38 Salisbury Street, Fordingbridge, Hants, SP6 1AB,

Tel: 01425 652087, Fax: 01425 652476

Contact: Philip York

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Something in the air they breathe

Miracle Professional GREENKEEPER OF THE YEAR

Mike Goodhind clinched the 1995 Miracle Professional Greenkeeper of the Year Award and joins his near neighbour Anthony Davies as a Champion.

"It must be something in the Cheshire air," said 1995 Miracle Professional Greenkeeper of the Year Mike Goodhind by way of an explanation as to why there are now two Greenkeepers of the Year working within two miles of each other.

Mike, Course Manager at the Tytherington Club in Macclesfield, is in constant touch with Anthony Davies, the inaugural winner of the award who is Course Manager at the neighbouring Prestbury Golf Club.

"We talk on a weekly basis and I think it was Anthony who put my name forward for the award. I was also able to quiz him on the type of questions to expect in the final," said Mike. Anthony, who won the title in 1990, kept up his tradition of always leaving a message of congratulations and good luck to all the finalists on the BIGGA Headquarters answer machine on the morning of the final.

Mike's victory came against a high quality, and evenly matched set of finalists and he just edged Chris Brook of Chesfield Downs, Stevenage, into second place and Don Wilson of Dyrham Park, Barnet into third. Joint runners-up



Put it there: Mike Goodhind, left, receives the winning plaque from Miracle Professional's Roger Mossop

were Ed McCabe of Brockenhurst Manor, Hampshire and James Devlin of Troon Golf Courses, Ayrshire

Mike's victory in the award is all the more meritorious when it is considered that he triumphed in a year when we have had the worst drought since 1976 with sand greens and no automatic watering system.

"It's a credit to my staff, particularly my assistant Mike Stewart, who handled the course visit at the regional stage while I was sunning myself in Minorca. They get a cheque for £500 to share from Miracle Professional and they will appreciate it. It was very much a team effort and they are adaptable and always come back if there is work to be done.

"I'm also delighted for my wife, Karen, who had to put up with me working all hours in the summer. For a two month spell I was in at five o'clock most mornings and back in again at nine in the evening to do another stint seven days a week."

The Tytherington Club is in the new vein of country club courses, 18 holes with all the related leisure facilities. It is also the home of the Women Professional Golfers European Tour and played host to the Ladies' English Open.

A year ago there was also a change of ownership which brought Mike into contact if John Millen, BIGGA's 1994 Chairman, who was Director of Greenkeeping for the new owners, Club

Partners International.

"John has gone a long way to influencing my career," explained Mike, before adding that it was a little difficult for them both when John first arrived.

"I had been there for 12 months when the club was sold and it was a real shock. John was brought in and he was also a Head Greenkeeper and neither of us knew what to expect. It was an awkward situation but in time we have both begun to appreciate the qualities in each other.

"He is now spending more time at the company's other course in Lambourne but I generally see him one day a week and he's very good at backing me up and making sure I have the resources to do the job," said Mike (35).

It is within the last year that Mike has really seen his career take off.

"I'm very thankful to Club Partners for their investment in me over the last 12 months and in that time I've really seen the benefits of the way they work. I feel that personally I've developed quite considerably over that period and more than anything else it's because I've been pushed.

"We go in for the Investors in People Award at the club and the key to that is the involvement with every employee and the role everyone plays within the organisation and we've tried to develop that within the greens staff."

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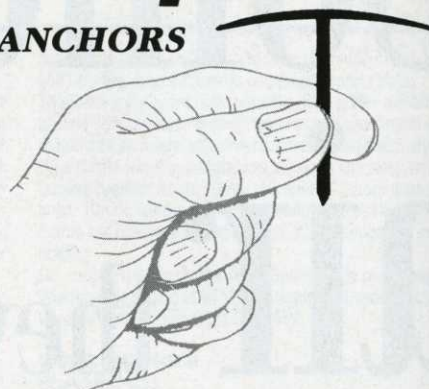
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Miracle Professional GREENKEEPER OF THE YEAR

which Mike has developed and the high degree of record keeping which he feels went a long way to getting him the award.

"The management want accountability so they are making me learn new skills on the management side.

The club has a central administration department which comes up with a format for all the record keeping which is used throughout the club.

"We can account for every hour which is spent on the golf course. At first that's a little frightening – a bit like a time and motion study but it's not like that at all. There are a lot of benefits. For example this year I argued to get a new bunker raker but the club wasn't too keen. Through running the budget management we came up with a labour cost of 1114 hours of bunker raking by hand and that it accounted for 20% of our time. Once they heard that they realised the importance of it and we got our new bunker raker.

"Initially I felt that the time filling in forms would be better spent out on the course. I was a hands on person, 'let's get out there' lead by example type but I've come to appreciate the benefits of good management.

"We have a weekly staff meeting which is very open and if it's felt I'm not doing something right they tell me. That goes right through the club, everyone is on first name terms, even the Managing Director, and it's a lovely atmosphere to work in.

"We're all cogs in a wheel and there is no 'them and us' attitude which a lot of greenkeepers at big clubs suffer from."

If Mike's handicap had continued to fall he might have been rivalling Colin Montgomerie for the Golfer of the Year and not the Greenkeeper of the Year title.

"I started off at Macclesfield Golf Club but I was initially more concerned with trying to develop my golf game as it was my ambition to make it as a professional but it was not to be.

"I did get the opportunity to work on the course and I got more into the greenkeeping side and my golf fell away."

From Macclesfield Mike went



At the awards presentation, from left: Pat Murphy, Richard Minton, Chris Brook, Ed McCabe, James Devlin, Don Wilson, Mike Goodhind and Roger Mossop

as a trainee to Prestbury rising to First Assistant and worked under one of the old school of greenkeepers John Leonard. "From a practical side I couldn't have had a better tutor."

"I left there at 21 and went to Heaton Moors in Manchester as Head Greenkeeper. It was an ideal place to go because it was a step up for me and a place where I could learn from my mistakes."

In 1984 Mike went to Cavendish Golf Club in Buxton Derbyshire as Course Manager where he spent nine extremely enjoyable years.

"It was a very high golf course and the first winter I was there I didn't see a blade of grass from the first week in January to the last week in February."

That brought in the course's other use, that of ski centre.

"We had three ski tows on the course and had a run known as the Cresta Run which is world famous in that part of Derbyshire. It ran over three fairways and finished in a stream. I developed my skiing skills while at Cavendish and it was a super club to work for, extremely friendly.

"It was a real wrench to leave and I had to give it a great deal of thought. I'd built new sheds, new workshop and all the lads had uniforms. I'd built it all up and I could take pride in what we'd achieved. Everyone knew what they were doing and it almost took care of itself so really if you feel like that it's time for a new challenge."

The Tytherington Club was back in Macclesfield and Mike could see how the club was developing with the WPGET and professional Tour events.

"A major influence was the fact that it held major events and it was another step up the ladder."

The Ladies' English Open was

held on the course last year and it was another big step for Mike.

"It was a real eye opener with the television cameras there and the overall attention to detail. Fortunately I was given quite a bit of warning about what the Tour wanted and had quite a bit of input myself."

The club has an excellent internal training programme and Mike has already completed his D32 and D33.

"One thing which does appeal to me is the HNC course at Reaseheath College and if the club agrees I'd like to do it because it can be done on a distance learning basis."

"The way the industry is going nobody can lie still. The number of students taking the HND courses mean that all it needs is for them to get a bit of practical experience and I feel in ten year's time, probably less, they will be landing some pretty good jobs. You need the ability to think ahead and keep developing."

It is that sort of attitude which encouraged the judges Pat Murphy and Richard Minton who also visited the finalists courses, Roger Mossop and Neil Thomas to award him the prize.

"It is a prestigious award and I'm very proud for Karen and our four children Leah (7), Holly (6), Grace (3) and Callum (2)," said Mike, whose other claim to sporting fame is that he holds the record for the Cheshire Cricket League with the high score of 177 not out in a limited 40 overs game for Bollington.

"As for the future I've got work to do at Tytherington. It's still got a long way to go to fulfil its great potential and I want to be a part of that."

Roger Mossop, Business Manager for Miracle Professional, praised each of the five finalists and said that they were the closest matched in the history of the

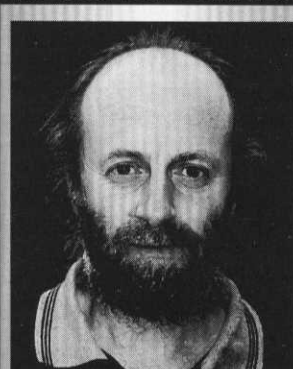
competition.

"Mike's course was excellent and his level of management and record keeping was second to none," said Roger as he made the presentation. "The staff facilities and the presentation of the staff pointed to an excellent team spirit while I was impressed by the fact that Mike seem to be well read on greenkeeping matters."

Roger also highlighted the plus points of each of the other finalists. Chris Brook's course was immaculate and he had the ability to take advice but ultimately make his own decision; Don Wilson's course was in excellent condition and he interviewed very well; Ed McCabe's sheds and record keeping were first class while James Devlin's greens were said to be the best of any seen in the competition, a feat achieved on a restricted budget.

The competition was given a further boost when it was agreed that Miracle Professional is to continue support of the competition in 1996.

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A refund from the VAT man meant that many clubs in the country were awash with funds. Wolstanton was one which put the money to good use. Scott MacCallum reports.

The news was greeted with an amazement not dulled by the falling of the Berlin Wall, the dismantling of apartheid or England reaching the semi finals of the 1990 World Cup finals all extraordinary events from around the same time.

"Never in a month of Sundays...", "I'll eat my hat...", "Hell'll freeze over before it happens..." were just some of the incredulous remarks coming out of golf clubs when rumours reached them that the VAT man might just be handing back money after an EC directive.

Well I'm sure we've had a month's worth of Sabbaths since the rumours began and that milliners have done a roaring trade in smoky bacon flavoured boaters. I can't, however, vouch for the climatic conditions in Old Nick's back yard but all the same it was true and golf clubs, at least members' golf clubs, have been given a wonderful windfall.

The reason it happened is irrelevant to the clubs which are basking in new found riches but came about because as members' clubs they were entitled to VAT exemption on membership fees but had been paying it since 1990.

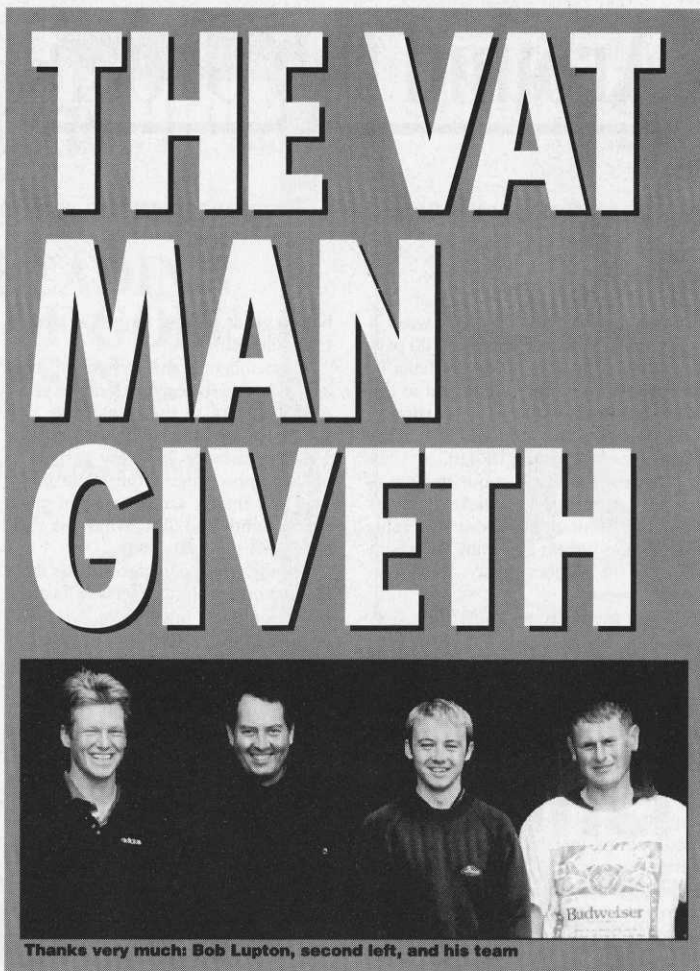
Anyone who comes into large sums of money has problems – or so I'm told. Bev Nicholson, that bloke who won £19 million on the lottery, Paul Gascoigne have all proved that money brought difficulties and golf clubs were no exception.

Who did it belong to? Or, to be grammatically correct, To whom did it belong? Was it the club's or was it due to the individual members who had paid the VAT on the membership subscriptions in the first place?

The best legal minds in the country were divided and it was left to clubs themselves to decide how best to cope with the best problem they had encountered in many years.

One club which was one of the earliest to reach a decision which was acceptable to everyone was Wolstanton GC in Newcastle-under-Lyme where the person with most to be pleased about was Course Manager, Bob Lupton, who has been able to improve the conditions of his staff and solve a long term drainage problem.

"It was always accepted by the club that the facilities for the greenkeeping staff were not very good from either a welfare point



of view and from the health and safety aspect," explained Bob.

"We basically had a dilapidated 50 year-old ex-Ministry of Defence building and while we had a flushing toilet, hot and cold running water and central heating we didn't have any showers and the general condition of the building left a lot to be desired."

It had always been intended that the facilities would be improved but that it would be as and when the money was raised by the club and Bob was told when he was appointed two and a half years ago that it was going to be done.

When it was discovered that money was due from the VAT man and the amount the club's directors sat down and wondered what was the best way to handle the windfall in fairness to the members.

Many of the members felt that the money was theirs and that it should be returned to them but there was a view that the club, as the receiving body, was entitled to it.

"We were in a very fortunate situation as we had all the individual records of members going back to the time in question so if required we could work out how much each individual was entitled to," explained Club Secretary, Mike Staniforth.

It was a task that is more difficult than it would at first appear

as the varying membership categories would have paid different amounts, some members were members at the beginning of the qualifying period but not the end and others joined midway through the time and only paid a portion of the recoverable VAT money.

The decision the Board took was a masterpiece and all members should be handed the task of conducting the Irish and Bosnian peace talks as quickly as possible.

It was decided that the money should be refunded to the members and, at the same time, impose a levy on them for the amount of money required to improve the greenkeeping staff's facilities and the drainage work on the course.

"We held an extraordinary general meeting where proposal number one was to reimburse the members to the full extent of the refund and then we had a director who very capably explained the reasoning behind why we need to spend money on the golf course and the second proposal was that we levy the members a certain amount of the money in order to carry out the necessary improvements," explained Mike.

"It was very cleverly done. We had over 200 members out of a membership of over 600 and the proposal was carried with a majority of around 95%."

Amounts vary but a full playing

member who qualified for the full period of the refund received around £80 as well as seeing the improvements to the club.

"The refund and the levy were done in conjunction with last year's subscriptions. Instead of asking for just a subscription without VAT we asked for a subscription, plus the levy, minus the VAT refund. It was an administrative nightmare but it showed everyone exactly what was happening," explained Mike.

The new greenkeeping facilities include a new £30,000 storage facility and a second phase which will be completed soon.

"This will have showers, toilets, drying room, mess room, office, workshop facilities and will cost around £40-£50,000," said Bob. "Had we had to wait until money became available it might have meant a four or five year phased plan and we may not have got as good as we are going to end up with."

"There have been no adverse comments from members at all because our existing building is on the way down to the first tee and they have been aware of our lack of facilities."

The influx of money has also allowed Bob to tackle a long standing drainage problem at the bottom end of the course.

The course borders the A34 with housing between the course and the road and the problems arose because the course sheds down to the A34 but the houses stopped drainage water going down and there was no access.

"We have now been able to gain access to the A43 through one of the houses through which we've installed a proper drainage scheme, but it's cost a lot of money to do this," explained Bob.

"The resident is not a member but we wanted to put a drain down his drive and he is getting a new drive and a patio and various other things out of the deal. All his legal costs have been paid by the club and it's not cost him a penny.

"We're not only solving a problem for the golf club we're also solving a problem for the residents whose homes were being flooded in winter time."

The total cost of the new greenkeeping facilities and the drainage scheme is in the region of £100,000 paid for entirely by the VAT windfall while the members also enjoyed a rebate on their subscriptions.

●How has your club handled the VAT situation? Have you benefited directly from it or has the money gone into other areas of the club or back to the members? Write to Greenkeeper International and share your VAT experiences.

Around the Green

Keeping in touch with news and comment from the regions

South Wales

A Happy new year to you all.

Huw Morgan, Course Manager at the Wilderness Golf Club in Kent kick started a busy month of lectures with an evening lecture at Pencoed College entitled "From the Wilderness to the Wilderness". You know you can always count on Huw to be controversial and as, true to form, he was.

Huw's talk was based on the main differences between managing a golf course in the south of England compared to that of south Wales. Huw's talk provoked much feedback and audience participation and left us with much food for thought.

The following Wednesday the newly-developed Celtic Manor golf and country club hosted a jointly organised STRI/WGU seminar entitled "On course in the 21st century". The seminar which encouraged an audience of well over 60 covered many topics including an in depth assessment of what the STRI is, does and is all about presented by the STRI's new Executive Director, Dr Mike Canaway. Other presentations were from Kate York - Diseases; Dr Bob Taylor - Ecology and our STRI regional Advisory Agronomist - Gareth Goddard. An informative day, coupled with a chance to see the Celtic Manor complex in all its glory.

The following day at the Parc Golf Club, Newport, Liquid Sod held a greenkeeper invitation day. The day consisted of a series of morning presentations followed by an afternoon round of golf.

The morning presentation made by the company's proprietor Jesse Johnson, an American agronomist, who stole the limelight with many interesting views and claims including controlling Take All Patch and an in depth look into the turf disease Pythium.

The BIGGA South West and South Wales Annual Seminar held recently at

Cannington College again was a resounding success with some 100 paying guests and around 40 students in attendance. A sincere thank you to the sponsors Barenbrug and in particular the ever smiling John Bradley, Area Manager of Barenbrug UK Ltd.

The region's policy at our seminar is to have two students make a 20-30 minute presentation and this year's students John Wilson and Mark Anderson were of the highest quality. Well done lads!

Other presentations came from Gerard van t'Klooster - an explanation of plant breeding and new cultivar testing. Mr John Linneker - "Golf Club Management" in his opinion. Dr Mike Canaway - a look at the continuing research work of the Sports Turf Research Institute. Dr Anne Maria Brennan, the EGU's practising Ecologist on: "On course conservation, golf and nature in partnership" and last but definitely not least Mr George Shiels - "The presentation of a golf course from an agronomists point of view".

An excellent day, thoroughly educational, and all for £10. What more could you ask for? Perhaps a better attendance from this side of the bridge!

Our sincere thanks to Cannington College for the use of their facilities, to Barenbrug for their support and sponsorship and to Gordon and Marion Child for their organisation of this seminar. Possibly the best yet.

You should have received a list of the winter evening lectures. If you haven't then contact me, but they are Pencoed College on Wednesday evenings commencing at 7pm. January 17 - Gordon Jaaback "Dispelling the myths in golf course drainage and overcoming the problems"; February 14 - John Moseley of the National Rivers Authority "Quality control, abstraction and record keeping"; March 13 - Bob Scott of British Seed Houses "Golf course renovation".

It's good to see so many new members not only joining the section but participating in events. Let's hope we see a lot more of you throughout 1996.

I hope Tony Bull is back on his feet, Tony of the Clyne Golf Club recently underwent surgery to remove two toes.

Fixture cards again sponsored by TACIT will be with you shortly.

Don't forget the BTME 22-26 January at Harrogate. See you there! Peter Lacey

South West

Let me take this opportunity to wish all section members a happy, if not belated, New Year. A warm welcome is also extended to several new members who have joined the section recently, among them Steven Blackmore from Taunton Vale Golf Club, Robert Jordan from Puckrup Hall Hotel & Golf Club and Kenneth Abraham from Isle of Wedmore Golf Club. The section looks forward to your support at forthcoming section events, the first being at Stinchcombe Hill Golf Club on Wednesday February 28 where it is intended to

have a guest speaker as well as playing the usual golf.

All members of the section will once again be able to keep track of the year's events thanks to the offer from T.H. White to produce a fixture card for 1996. Assistance in every respect is always appreciated from trade members and thanks are once again given to Pat Smith and T.H. White for their continued support.

Throughout the winter months there is more opportunity at section level for education with, once again, what will be a full coach from the South West going to the BTME Exhibition at Harrogate on January 23.

A management course organised by Headquarters at a greatly subsidised price of £50 per head is being held at Thornbury Golf Centre on February 12 and 13. Frank Newbury is the instructor for a course entitled "Essentials for Busy Supervisors". The cost includes meals and one night's accommodation at Thornbury. To secure a place please contact Ken Richardson at Headquarters on 01347 838581.

It is the intention to run a Pesticide training course (PA1) in the near future with instruction being given by Noel Stevens formerly a senior lecturer from the Gloucester College of Agriculture. A venue and date are yet to be finalised but if interested in being included please contact me on 0117 9793127. It is worthwhile noting that a change in legislation now means that anybody wishing to use a knapsack sprayer now needs qualification to PA6 standard as it is no longer covered by the PA2 certificate.

Continuing with education, a First Aid course held on Tuesday November 21 at Filton Golf Club proved informative for those who attended. Don't forget for those who have already done the course that the certificate is valid for three years only before a refresher course needs to be taken.

Finally I close by wishing you successful greenkeeping and good golf for the forthcoming year.

Kevin M. Green

North West

An evening lecture and AGM took place at West Derby Golf Club recently. Clive Heginbotham of Miracle Professional gave a very interesting talk on the control of weeds in ponds and waterways. Clive stressed the need to consult the National Rivers Authority before using any products to control aquatic weeds but better still to contact himself as he could advise on the best products and who to contact. I would like to thank Clive for giving us his time and expert advice.

The AGM followed and once again we had a poor attendance with only 14 members. New Chairman Chris Sheehan presented his predecessor with an engraved tankard recording his two years as chairman.

The North West committee is Chairman, Chris Sheehan; Secretary, Bert Cross; Treasurer, Brian Moss; commit-

tee Howard McAddey, Stephen Outram, Bill Merritt, Alec Davies and Mike Davie.

A seminar at Mere G&CC organised by SISIS in conjunction with Rhone Poulenc was held on the evening of November 28. Head Greenkeepers and Green's Chairmen were invited to listen to three speakers, Martyn Jones, Myerscough, Dennis Mortram, Reaseheath and Mike Sheehan, Course Manager at Mere.

Mike Sheehan welcomed everybody and spoke about the problems on the golf course during the winter months. Points raised were: Use of winter greens, directing golfers away from worn areas which require renovation and generally keeping the members playing golf while essential work is carried out.

Martyn Jones, who came down strongly on the side of the greenkeeper, enlightened the audience of 112 on the problems greenkeepers have to face on a daily basis. Winter work he claims starts at the beginning of April and continues until the following March. In other words, all work carried out on the course during the year is done in order to create the best suitable conditions to allow members to play golf 365 days a year.

Dennis Mortram covered the various forms of aeration on golf courses, stressing how essential hollowtining, slitting and vertidrainage is to allow oxygen into the root-zone allowing deeper rooting and better drainage.

The evening was rounded up with a problem solving session with the panel of speakers. To complete the evening a hot pot supper and free raffle were provided. Many thanks to SISIS and Rhone Poulenc for organising the seminar with was well attended by both greenkeepers and greens chairmen.

I must mention that the N/W section have our own seminar at Mere on March 26 and I would like as many greenkeepers, greens chairmen and secretaries to attend. The theme of the seminar is "Forward Together", and is of interest to everybody in the business of golf.

The fixture lists for 1996 N/W section events are almost completed and will be posted to you as soon as possible. It just remains for me to wish you all a happy and prosperous new year and I hope to see you all at Harrogate. Bert Cross

Scottish Region - North

The inaugural section dinner/dance in Aberdeen was a great success with around 60 people attending and a good time was had by all. A special vote of thanks must go to Hughie McLatchie and Dougal Duguid for organising this event which we hope will become an annual affair.

Our latest new member is one Mr Rust of the Eriskay Golf Club out in the Outer Hebrides. We hope to see him sometime. How about a section outing there!

As I mentioned last month the secre-

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- Jean Esposito, Hinckley Hills, Ohio, USA

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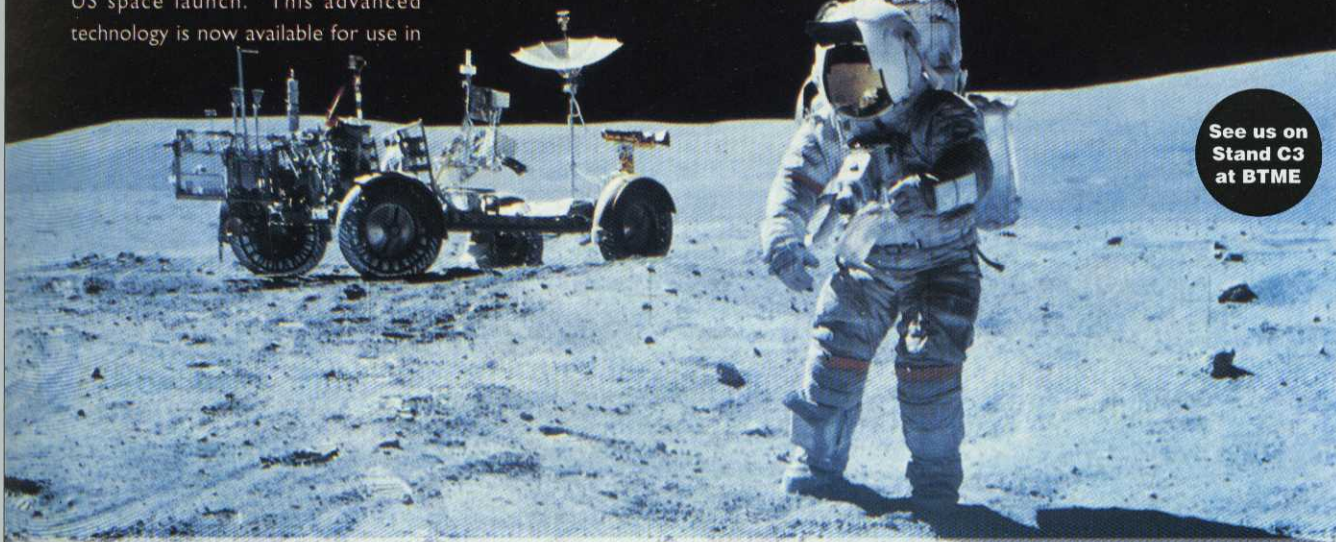
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taries duties were divided up among the committee so I thought it would be a good idea to list them with contact numbers. Chairman – A. Wilson 01356 625902; Vice Chairman and outings organiser – H. McLatchie 01779 470173; Secretary – D. Duguid 01224 740329; Treasurer – G. Moir 01334 474021; Education – S. McBain 01224 733347 and K. Peace 01467 623125; Raffle/prizes – W. Morrison 01224 826289; 200 Club and Magazine report – I. McLeod 01862 894402 and G. McKie (no number just now). S. Morrison 01224 705083 will soon become Scottish Chairman.

The reason for Gordon McKie not having a phone number just now is because he has moved to join Gordon Moir at St Andrews as Deputy Head Greenkeeper on the Eden Course. We wish him well. Robert Hardie is back in the area, welcome back.

the 1996 Hayter Qualifiers from the North section are as follows: Sct-9. B. Wood, Westhill; G. Mitchell, Newmarch; B. Cameron, Inverurie and I. Grant, Fraserburgh. 10-18. B. Cocker, Drumoig; G. McKie, St Andrews; K. Kinnaird, Grantown-on-Spey and I. Grant, Alyth. 19-28. H. McLatchie, Peterhead; K. Wood, Hazlehead; D. Duguid, Westhill and B. Anderson, Kings Links. They go forward to the Scottish final at Royal Aberdeen at the end of May.

I hope to see a good amount of North members at Harrogate this month. Mine's a Becks!

Finally the 1996 200 Club tickets will be on their way to your doors soon. Please buy some to help the section. Please return them immediately so that they can be sold before the first draw. Last year unfortunately we ended up with 10 tickets unsold which if they had been returned would have been sold and vital revenue for the section not lost. Please support your section – I'll get back down off the soap box now.

Iain Macleod

East Midlands

Our section AGM was held at Kirby Muxloe GC in Leicestershire on November 8. The day started at 9am with a phone call from Trevor Bennett who had lost all his balls (golf balls). This was quickly rectified by sorting out some old balls I had put aside for such occasions. The winners in the Texas Scramble were: 1. Dave Leatherland, Chris James and Antony Bindley; 2. Richard Barker, Roger Barker and Martin Smith; 3. Mike Billings, Brian Booth and Gary Thurman.

Moving on to the serious business of the AGM with the following members

Around the Green



duly elected to the committee. Chairman, T. Allard; Vice Chairman, D. Leatherland; Secretary A. Bindley; Treasurer, R. Barker; Committee members, G. Robson, P. Tatlow, P. Forshaw, A. Porter and G. Arnold. Regional representatives R. Barker and A. Bindley. I would like to thank our retiring Chairman Steve Goode for all the hard work he put into the section while in office. I'm sure members would agree that the section prospered under Steve's leadership.

Thanks should go to Kirby Muxloe GC for courtesy of their course and to the kindness and hospitality shown to us. Also I would like to thank Vitax for sponsoring such a fine prize table.

A cheque was also presented to our National Chairman Barry Heaney for £300 towards the BIGGA building fund. I would like to take this opportunity to thank Barry and Scott MacCallum for making the long journey down to Kirby Muxloe to be with us.

More golfing success was enjoyed for the section with Steve Goode and I finishing runners-up in the Ramsdale Park Society Open with a score of 63 Stableford points.

A snooker evening has been arranged for members on February 28 at the Willie Thorne Snooker Centre in Leicester. Any member who has not received a form can give me a ring and I will forward them a copy. Please remember to send your form back to me before the closing date.

A series of lectures has been arranged courtesy of Brooksby College for the benefit of all greenkeepers. The dates and speakers are as follows.

Thursday February 22, 7pm, John Bradley – Barenbrug UK Ltd. Cultivar development and modern seed mixtures.

Thursday February 29, 7pm, Stuart Rich – Hewitt sportsground. Aspects of modern sportsground and golf course construction.

Thursday March 7, 7pm, Howard Storey – John Deere UK. Machinery developments and mowing trends.

If anybody requires any further information on any of these lectures they can contact Ann Hurt at the college Tel: 01164 434291.

Antony Bindley

Cleveland

Our November lecture and slide pre-

sentation was by Gerald Brady of Rhone Poulenc Ltd on "Pesticides in Perspective" who explained the low risk factor of using modern pesticides and herbicides. Follow the label and we can have full confidence of success. He was thanked by Chairman Bruce Burnell.

Ian Pemberton has a new address and can be found at 53 Eddison Drive, Bedale, North Yorks.

Fertilisers of the future for golf greens need to be safe and of non-scorching quality. We have to apply while golf is still played. Slow release and or liquids must now have a use.

Askham Bryan hope to start a new course of three times one week block for qualified greenkeepers who want to be better mechanics on golf machinery. It starts in January.

For our spring golf event it is hoped to hold this at Roger Shaw's new golf course at Ramsdale Hall Hotel, Durham. This exciting venture is due to open in April or May.

Bruce Burnell

South Coast

Hello again. Well here we are at the beginning of another year with lots of things going on. It's only a couple of weeks to the start of BTME. This promises to be bigger and better this year and with most of the major companies exhibiting it is the place to visit. I myself will be looking forward to it and hope to see other members of our section there.

Our next winter lecture is on February 7 at 7 pm at Alresford Golf Club. The speaker will be Ed McCabe of Brockenhurst Manor Golf Club and his topic will be 'Communication'. This promises to be a very interesting talk so please come along, the more the better.

The South West region are holding three two day supervisory and management courses, in Bristol on 12th-13th February, in Plymouth on 14th-15th February and in our section on 19th-20th February at The Moat House Hotel Bournemouth. Each course is limited to 12 delegates and costs £50 per delegate, this includes tuition, meals and one nights accommodation, so book now.

Our first Golf meeting is the Spring tournament, which this year is being held at Crane Valley Golf Club on Monday, April 15 and is the qualifier for the Hayter Tournament.

This year's Hayter Regional Final is in our section, so we need to field a strong complete team. The venue is Salisbury and South Wilts Golf Club on Wednesday, June 12. We thank the Club for hosting this event and I know

Kerran Daly and his staff will provide an excellent and testing course for the days play. So please make a note in your diary.

Jeff Drake

Sheffield

A Happy New Year to you all!

On November 29 we held our Christmas Competition at Wortley Golf Club. Once again the course was in excellent condition and our thanks go to Barry Heaney and his staff.

The weather tried its best to spoil the day, but it was still very enjoyable. We would like to thank Wortley Golf Club for the courtesy of their course and to the steward and his staff for providing an excellent Christmas dinner once again.

Finally our thanks go to Rigby and Brian Booth for being our main sponsors and to all the other trade members who provided prizes.

Congratulations go to all the prize winners and to Sherwood Golf Club for making a clean sweep of the first three! 1. J. Cumberland; 2. K. Kirkham; 3. P. Lyons; 4.

D. Chappell; 5. P. Stain; 6. B. V. Lax

Well done to you all!

We hope to see you all at our next lecture on February 1 which will be given by Duncan McGilvary, Course Manager of Letchworth Golf Club, at Rotherham Golf Club at 2.30 pm.

John Lax

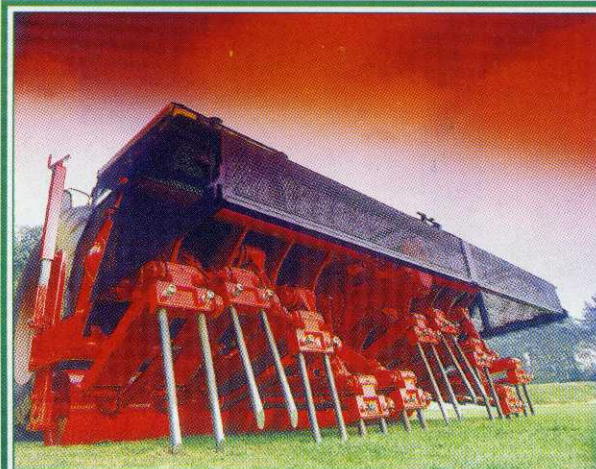
Devon and Cornwall

Happy New Year to all!

Manor House Hotel was the venue for our AGM meeting, which was held on Wednesday, November 22. The day started with golfing members arriving at 8.30 am to compete in the mornings foursome competition for the Toro Trophy. Unfortunately I was under the weather with flu and unable to share the delights of playing such a wonderful course, although this gave me the opportunity to join our none golfing members on the guided tour of the course by Head Greenkeeper, Mike Symonds, as always the walk turned out to be most informative.

After lunch the prize presentation for the Toro trophy took place with Alan Dommatt of Devon Garden Machinery presenting the prizes to: 1. E. Barber (Teign Valley) & C. Rawlings (Padbroke) 35 pts; 2. K. Piper (Holsworth) & T. James (Tehidy) 4 pts; 3. L. Andrew (Ashbury) & P. Gross (Ashbury) 31 pts; 4. R. Ridgeway (Fingle Glen) & T. Hughman (Ashbury) 30 pts

Our thanks to Alan for donating and presenting the day's prizes, and to the Manor House management team for



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allowing the section use of their excellent facilities. Also our thanks to Head Greenkeeper, Mike Symonds, and his staff who had the course in excellent condition, hopefully we will have the pleasure of Mick's company at another meeting soon!

The section AGM followed the golf presentation and was opened by section chairman, Bill Mitchell. The secretary in his report thanked Bill Mitchell, Steve Evans and Gordon Child for all their hard work put into the section, region and national board over the last year. The secretary mentioned that Gordon was part of a brilliant double act with his wife Marion without their efforts our region would not be in the position it is today. The flagship of the region is Westurf, members must continue to support the show which will enable the region to continue its commitment to education. The secretary thanked Hennings of Cornwall for their donation towards the hire of the mini bus to the Hayter Regional Final.

Members were presented with the financial report which showed a profit of £258.49 giving the section a total balance of £1502.88. Approval of the balance sheet was proposed by B. Pile and seconded by G. Child, approved by members present.

The Chairman opened his report by thanking all the trade for their support over the year. The Chairman also thanked John Palfrey for his advice and Martin Hennings for his donation towards the minibus. The Chairman went on to thank President Alan Dommett for the wine with lunch at our Christmas meeting or was it the staffs! On concluding his report the Chairman thanked Secretary Richard Whyman for all the hard work he puts into the section and Gordon and Marion Child for their work in running our region and the Westurf Trade Show.

The President on retiring from office thanked members for their tremendous support, he felt that the trade and the membership are in partnership towards higher professional goals.

The election of officers saw Richard Wisdom re-elected as Devon committee member and as regional board reserve. Richard Whyman was re-elected as Secretary and Cornish committee member, John Palfrey was elected as President and Rob Guntrip was elected as a trade member. Any other business concluded the proceedings. Richard Whyman

London

The November winter workshop was attended by 43 people representing 23 golf clubs. John Allbutt kept everybody on their toes during his presentation.

His enthusiastic approach and depth of knowledge got through to everyone and I would like to thank John for his presentation. I would also like to thank Mill Hill Golf Club and the Grass Roots Trading Company for their help in the organisation of the event.

Our Turkey trot and AGM was held at Aldenham Golf Club in November. I would like to thank Mervin Downing and his staff for preparing the course. Although the weather was poor, the scores were impressive. The overall winner was Roger Mace with 36 points. Roger received a voucher from Rigby Taylor for a turkey. The runner up was Benjamin Knowles-Jackson with 34 points. The nearest the pin prize was won by Mervin Downing and the longest drive was won by David Kirk.

I would like to thank the trade for supporting us on the day and also for all their help in 1995. I would also like to thank Mrs Phillips for presenting the prizes and for allowing us to use the facilities.

The AGM went very well with no problems arising and the committee was elected as follows:

Craig Handyside, Barry Moggeridge, Don Wilson, Tony Dunstan, Ian Semple, David Kirk

Finally I would like to thank Jamie Bennett from Grass Roots and Barenbrug for the excellent weekend in Holland. Many local lads attended and the visit to the factory and breeding station was very informative.

The company organisation was superb and I would like to thank them for their hospitality.

Happy New Year on behalf of the London section. Tony Dunstan

West of Scotland

Happy New Year to all! And best wishes for the coming season on behalf of myself and the rest of the West Section Committee.

A few things to mention, firstly the recent birth of Russell Lewis Jarvis, son of Gavin Jarvis and his wife. Gavin is Head Greenkeeper at Lenzie Golf Club, may we wish him and the family all the best and hope everybody is doing well.

Secondly, congratulations to John Scott jnr on his recent appointment as Head Greenkeeper at Kirkhill Golf Club, on the other side of the river. The course is not quite as high up as Ferenze so a reduction in the oxygen intake may be required. Everybody wishes you well John, I'm sure you will do a fine job.

Finally the Annual Dinner held at the Admiral Bar proved to be a winner for a change, thanks are due to Roy

Auld and Steven Hogg for organising everything. Ronnie said the needful after a nice meal and handed over to Gary Davis to entertain for the evening. He completed the task admirably ha! ha! and the onlookers heartily enjoyed the one liners. Numbers were up slightly on previous years therefore it seems a lucky formula has been discovered. The results of the football will hopefully be available for the next issue. If anybody has information to be included next month please contact 0141 942 5554.

Once again best wishes and I hope everybody enjoyed their festivities. Stuart Taylor

Midland Section

Firstly did everybody spot the mistake in last month's issue? Yes, I thought I would make the East Midland Section feel good for Christmas, by making them the winners of the match against the Midland Section. According to the Midland Team, this is the only way they would! Ha Ha! Belated congratulations to the Midland Team. Thank you Rigby-Taylor for their support. On the day, £100 was raised for the Matthew Fell Appeal. Well Done.

The Christmas Tournament was played at Worfield Golf Club, Bridgenorth, on December 7 1995. The weather was very seasonal with snow on the ground first thing. It was decided to play a 9 hole Stableford competition, with a mad rush to the Professional Shop for orange and yellow balls. The results were as follows: Team event: 1. P. Holtman, S. Mucklow, E. Thomas, B. Crowe; 2. M. Hughes, A. Ross, R. Stonebridge, A. Cornes; 3. M. Cutler, R. Thomas, S. Wenlock, I. Toon. Singles Cup - R. Thomas.

R. Thomas thanked everyone for attending, and thanked all trade members old and new for their support. Richard Minton presented the Christmas Hampers to the winning team, for which we thanked Miracle Professional Products. Thanks to Rigby-Taylor for the wine which they supplied for dinner, and many thanks to all the staff at Worfield Golf Club for their hospitality and assistance on the day.

Peter Jefford of Rufford Top Dressing presented R. Thomas with his prize. Unfortunately there was no prize for the last team, so N. Tyler missed out again! Other prizes awarded on the day were the Committee Cup, to E. Stant. Steve Blakeman from Rigby-Taylor presented A. Fellows and R. Quinne from Brocton Hall with the Rigby-Taylor foursomes Cup.

The AGM followed the meal with 36 members attending. The following

members were voted onto the Committee: President, R. Pugh; Chairman, M. Hughes; Vice-Chairman/Treasurer, P. Richmond; Secretary, K. Blake; Committee R. Thomas, E. Stant, J. Wood, R. Hayhurst, S. Blakeman.

It was lovely to see Reg Pugh at Worfield, after two years in which time he has been fighting a serious illness.

The first winter lecture will be held at Walsall Golf Club, on the February 14 1996 at 2pm. The speakers will be David Golding, from the GTC, talking about NVQ's and the role of assessors and Peter Jefford on Modern Standards on Top Dressings. See you there.

Finally, the committee discussed organising a Skittle evening in the early part of 1996. If you are interested could you please telephone me, and leave your name. The event will only go ahead if we have enough support from members. My telephone number is 01527 524217.

Surrey

The first Winter lecture was held at Kingswood Golf Club back in November. The lecture was given by Gordon Jaaback on the subject of drainage. The lecture was well attended by over 30 greenkeepers we hope that a similar attendance or better for February 12 for the second Winter lecture which will be given by British Seed Houses at Walton Heath Artisans, 7.30pm. Not to mention a big thank you to Gordon Jaaback for giving this talk and thank you to Kingswood for supplying the venue.

On February 14 a coach has been organised for a trip to Ransomes, Ipswich. All interested parties should contact your section secretary as numbers are limited.

Congratulations go to Simon Osborne upon his appointment as Course Manager of the Wildwood Golf Club and also to Rob Budgen who was Simon's Deputy at Selsdon Park upon his promotion to Head Greenkeeper at Selsdon Park Hotel, good luck to the both of you. David Gibbs

East of England

The last competition of the year was held at Belton Park with a very good turn out for a November day. The prize winners were as follows: 1. C. MacDonald, Newark Golf Club, 2. P. Fell, Aitkins, 3. G. Ogden, Stoke Rochford Golf Club.

There were too many prize winners to mention as our main sponsor Groundcare and John Deere provided us with so many excellent prizes.

After the competition we went

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St. Andrews Links Golf Course supervisor

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COURSES THROUGHOUT THE WORLD

straight into the AGM and the only new committee change this year was the enlistment of Phil Betten, Ramsey GC, everybody else still retain their posts.

May I take this opportunity to thank all the clubs for allowing us courtesy of their courses and a than you to all our many sponsors for their excellent prizes.

The new fixture cards will be coming to you soon as the competition schedule is now complete for 1996.

Thank you to Howard Storey of John Deere for his help in organising the cards.

The Winter education programme carries on from last year's success with John Hacker and possibly D. Walden giving a talk on various topics at Kenwick Park, Louth in February.

In March a tour of the John Deere factory is arranged and will incorporate a quiz or machinery workshop. (Dates to be confirmed).

A welcome to our new members who are: Steven Simpson, James Herring, Mark Hammond, David Elkington, Geoffrey Hill.

Your secretary has moved to the new post of Head Greenkeeper at Ryston Park, Downham Market, Norfolk, from Eyebury Golf Club which closed in September 1995.

Any more information on moves, promotion, etc, let me know on 01733 260297 anytime.
G A MacDonald

East of Scotland

Well welcome to this month's report the first of '96. We would like to take this opportunity to wish you all a happy new year and hope you all have a good one. So now down to business. In

Around the Green



November we had our AGM at Swanston Golf Club which was sponsored by Stewarts & Co who put on a lecture in the morning, a buffet lunch then we had a "small get together" in the afternoon for the AGM which was poorly attended as usual considering the membership we have. P. Ormiston stepped down after his two years in the chair and S. Dixon took over for his second stint as he has graced this position before four years ago. So best wishes for the future as Peter Ormiston stood down from the committee after a number of years. A good luck to Stevie for the next two as he will need it! Stevie picked one of the old timers as his vice-chairman Jimmy Neilson - best wishes to you. There was a space on the committee and only one nomination this was Mike Williamson, Torwoodlee, and he was duly elected. So we welcome on board Mike, see you at the first meeting.

In January the Committee now reads: Chairman - S. Dixon, Vice-Chairman - J. Neilson, Secretary/Treasurer - R. Hogarth, Messrs C. Yeaman, G. Wood, S. Greenwood, T. Murray, A. Forrest, M. Williamson. There wasn't a lot discussed so not a lot to report except our Summer half-day tournament returns in '96 and from 1997 our Spring/Autumn outing will be 18 holes only starting at about lunch time, so the members of the section can prepare

their courses before coming to the outing.

The Annual Dance on December 2 was a great success as usual with thanks to the Kilspindie House Hotel, Aberlady for a great night. The band was also excellent but as usual a small number had something to moan about and as usual it was the band. Well I, and the other 95%, thought they were excellent. So as the old saying goes, there is no pleasing everybody. So if you revert to a disco you will lose a big proportion of those attending who have supported us through the years, when you consider there were 15 greenkeepers out of 84 people in attendance. Any comments on the dance then let me know.

Events coming up are a football match on the December 8 at Galashiels, report next month, football match against West Section TBA, a lecture by Rigby Taylor and a talk on Conservation by David Roy, Head Greenkeeper, Linlithgow Golf Club on February 15 and a visit to local Toro Dealers A M Russell on March 14 at Roddinlaw.

BTME at Harrogate this month so see you all there. The Spring outing is at Longniddry G C and the Autumn at Murrayfield Golf Club which is celebrating its Centenary this year. The Summer Half Day tournament is at Inverleithen Golf Club, this is our Secretary's course so I hope the snow has melted by then! All dates in next month's report. There is also a quiz night at Swanston Golf Club on March 27 so put this in your diary and let's see a few more teams than all the usual. Here is the results from the Autumn outing that I forgot to put in last month's magazine from Prestonfield. Scratch - A. Holmes, Seahouses, 74 BIH. 1st Class - 1. D. McKenzie, Prestonfield, 74-6-68, 2.M. Pagan, Goswick, 75-4-71, 3. I. Bell, Glencorse, 77-5-72. 2nd Class - 1. S. Sinclair, Craigmillar Park, 85-14-71 BIH, 2. P. Hares, Newbattle, 82-11-71, 3. C. Pennycuik, Duddingston, 87-12-75. 3rd Class - 1. G. Hobbs, Bathgate, 90-20-70, 2. J. Thow, Goubeon, 90-18-72, 3. R. Hogarth, Innerleithen, 97-18-79. Best Nett - D. McKenzie, Prestonfield, 68, Veteran - D. Dugan, Glencorse - retired, 76, Trade - I. Thompson, Provan, 72, Guest - G. Moir, St Andrew Links, 77. Aggregate Spring/Autumn - M. Pagan, Goswick, 69/71.

Well that's it for the first one of 1996. Lots more to come over the coming months. Any info you have let me know. If there is anybody on the move, weddings, births, etc anything you want send it to me now. See you all next month if I survive a week at Harrogate.

We had a Christmas shopping trip to the Metro Shopping Centre in Newcastle (Gateshead) for the lads from the North East Section) on Sunday November 26. A great day was had by all 19 of us so we just managed to cover the cost of the bus. Better luck next year (we hope), as it is a good opportunity to do the Christmas shopping because it is all under one roof.

Chris Yeaman

Ayrshire

Our AGM was held on Thursday November 30. The attendance was slightly up on last year, but still disappointing given that we now have 100 section members. I am sad to report the death of one of our life members, George Alexander, who enjoyed a long retirement after I took over the Head Greenkeeper job at Prestwick St Nicholas from him in 1980. George had a long and active involvement with

SIGGA before and after his retirement, and I am sure his many friends will join me in passing our condolences to his family. A minute's silence was observed at our AGM to honour his memory.

The Spring outing has been confirmed as being at the Dumfries and County Golf Club on the April 25 1996, with the Autumn outing still to be confirmed. Details of both will be sent out in due course. A bowls night will be held in Saltcoats on the December 19 for the usual festive fare, results in the next issue.

A quiz was held after the AGM, with questions being set by Robert Bruce of Stewarts and Bob McKay of St Nicholas. After a closely fought battle, with scoring rather erratic thanks to thoughtful questions, the "Smart Alecs" (Duncan Gray and Harry Diamond) won in a tie break from the "Winners" (Jim Paton and Derek Wilson).

All that remains is to wish all our friends in BIGGA a happy and successful 1996 and hope to meet many of you again at Harrogate for the annual get together.

Duncan Gray

North Wales

It's the time of year when we need to know what's going on over the next few months. Well here it is!

January 10, Grasses Workshop with Phil Davies, Northop College; January 24, BTME coach available. Phone Brian Anderson for details on 01745 826695; February 14, Factory visit to GEM Pro with Terry Anderson; February. Details later regarding a seminar at Northop College on Golf Course Management; March 15, Dutch visit to Mommersteeg. See Phil Davies or Terry Adamson for details; April. Details later regarding the Hayter Qualifier to be held at Heswall GC; July, Hayter Regional final to be held at Abergele GC - details later.

I will let you know of any update, changes and dates as I get them.

I would like to say thank you to all those concerned with the smooth running of this section this year and the many friends I have made.

Whether I am Competition Secretary next year or not I would like to say thank you to you all and wish you a happy New Year.
TP Evans

Scottish Region

The Region wish to extend their best wishes to Walter Woods on his retirement as Links Supervisor at St Andrews. After 22 years and four Opens Walter has decided to call it a day. However I am sure he will never be too far away from a golf course. We know that he is just retiring from his "day" job but he will still be available to help and advise his many friends in BIGGA. For all the work you have done for the Scottish Region and BIGGA Walter, thanks again and we wish you and Caroline all our best wishes.

The Scottish Region Conference 1996 will be held on Wednesday March 6 at the Edinburgh Stakis Hotel at Edinburgh Airport. Speakers include Graeme Forbes, Managing Director Stewart & Co Seedsmen; Kenneth Gordon, Fil Pumps; Ian Henderson, Ian Henderson Finance; Andrew Laurence, Fenchurch; Steve Millar Oatridge College; Gordon Moir, Head Greenkeeper St Andrews Links; Iain MacLeod, Head Greenkeeper Tain GC; David Roy, Course Manager Linlithgow GC and John Souter, Managing Director, Souter of Stirling.

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Education Update

BY KEN RICHARDSON

Happy New Year to all members. My aim in 1996 will be to continue to provide education and training opportunities for all greenkeepers by attempting to meet your needs. This year commences with The Learning Experience, in association with Ransomes, at Harrogate from 22 - 26 January. Details of speakers and their talks appear elsewhere in this magazine.

BASIS CONTINUING PROFESSIONAL DEVELOPMENT POINTS

The Learning Experience, in association with Ransomes, is a must, not just because it offers the widest range of education and training to be found in Europe, give credits towards the Master Greenkeeper Certificate and provide evidence towards an N/SVQ qualification but also because BASIS has recognised the National Education Conference, Workshops and BTME seminars as meeting their requirement for awarding BASIS points. BASIS points will be awarded as follows:

- National Education Conference - 5 points
- Workshop 1 - 3 points
- Workshop 2 - 2 points
- BTME Seminars - 2 points per session

REGIONAL SUPERVISORY MANAGEMENT COURSES

In response to members' requests for more localised Supervisory Management Courses, I have arranged for two extra courses to be provided. These are Mildenhall on February 21/22 and Bedford on February 27/28. Please contact me for further details.

MIRACLES DO STILL HAPPEN

Well almost. At a meeting held at Aldwark Manor on December 5, the day following the very successful Miracle Premier Greenkeeper of the Year Competition 1995, it was decided that the competition would continue for at least another year. Roger Mossop and Richard Minton, from Miracle, were very impressed not only by the quality of the five finalists but also by the standard of all the entries, which have continued to improve through the years.

As one of the original aims of the competition was to encourage greenkeepers to better themselves, through education and training, and therefore to improve the standards of playing surfaces, they felt that the competition was achieving its aims and, therefore, worth saving. The rules of the competition for 1996 and the prizes awarded will be very similar to 1995's and are:

1. Entries may be submitted by Head Greenkeepers/Course Managers, club officials, golf club members and greenkeepers who feel that their head man and consequently their golf course deserves to be recognised for achieving the best possible standards from the resources made available.
2. All entries must arrive at Aldwark

Manor by 31 May 1996.

3. BIGGA Regions will each select their three representatives who will progress to the Region Finals.

4. The Regional Finals will take place in June/July and will consist of a fact finding visit (course evaluation) by a Regional evaluator who will be accompanied by a previous Premier Greenkeeper Finalist. They will select their Region's representative to progress to the National Final.

5. The five finalists will have their courses evaluated by a member of the BIGGA board, accompanied by a representative of Miracle Professional, during August/September 1996 prior to the final interviews taking place on December 8/9.

The prizes for the Competition will be:

Miracle Professional Premier Greenkeeper will receive a plaque, will be offered the chance to attend the Golf Course Superintendents Association of America Conference and Show in Las Vegas in February 1997 and will be presented with a cheque for £500 for his greenkeeping team.

The runner-up will receive a plaque and an all expenses paid London Weekend Break, for two, which includes the chance to see a West End show.

Third place will receive a plaque and an all expenses paid Weekend Break for two. Fourth and fifth will both receive a plaque.

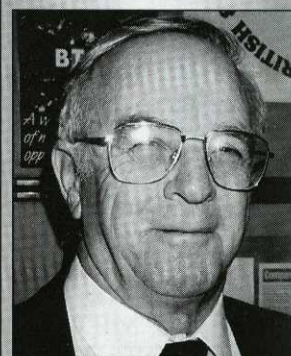
Remember, your course does not necessarily need to be another Augusta National. The judges are looking to see that you are getting the best out of your course, your staff and your

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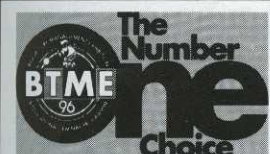
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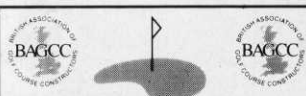


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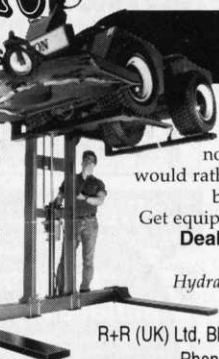
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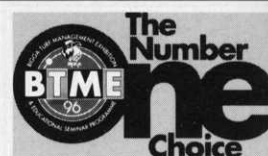
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Apply in writing in the first instance, enclosing full CV to:

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The Pythium scare

It must be understood that there is emphatically no recorded incidence of an attack of Pythium blight (caused by the fungi *P. aphanidermatum* or *P. ultimum*) in northern temperate Europe, with only isolated suspect cases in the Mediterranean area. This disease which causes serious problems in the very hot, very humid states of the USA is not to be confused with seedling damping-off diseases caused by other Pythium species.

It should be noted that even in the most susceptible areas of the south eastern States in America, it needs long periods of very hot, very humid weather for the disease to strike. When it does it strikes very quickly indeed, giving little chance for curative or corrective treatment.

While it is rash to deny the first appearance of anything, whether it be a rare bird never before seen in Britain or a new disease one must say that pigs are more likely to fly than for a disease suddenly to appear in circumstances vastly different from those pertaining to where it is a real problem.

It is significant that reports of the disease are coming from all over Britain and Ireland – clearly a scare on the lines of BSE in cattle! This would not matter if it were not for the fact that this wrong diagnosis may prevent action being taken against the real cause of the symptoms being reported as Pythium blight and in consequence needless damage is accepted as inevitable.

One can safely say that the fungal disease attacking the Royal Porthcawl greens at the time of the Walker Cup was not Pythium blight. Had it been, there would have been no greens on which to play and the speed of the devastation would have been phenomenal. It has been described as a disease which you can actually see spreading – it is so quick. Furthermore, the symptoms seen by many were not those of Pythium blight. This first shows as characteristic spots, before it spreads like wildfire. In the words of the leading American mycologist Professor Vargas: "...if you notice large irregular dead patches without having seen spots first, the problem is not Pythium blight and you must look for a different cause."

The fact that the greens affected were not those where root zones had been changed – these were free – indicates that the problem was a soil-borne disease, and Pythium is air-borne. Stress was probably an aggravating factor rather than a cause.

There are perhaps two centres where accurate identification of the Pythium species can be made and these do not get samples. All those who have spent years looking down microscopes know

when to discount what they see. Charitably, what was seen was a secondary saprophytic growth of mould developed in transit!

If this disease has never been seen in Europe by not only ourselves but all leading golf course agronomists who have discussed this with us, then one can safely say that it is unlikely to attack your greens. In fact we would suggest that there is more probability of someone winning the National Lottery jackpot on four successive weeks!

Finally a word of warning to mycologists working in unfamiliar country! Never diagnose a disease on the basis of what you see under the microscope alone, but look at least at pictures or descriptions of the field symptoms. There are very few serious fungal diseases affecting golf grasses in this country so do not make the mistake of thinking we are going to be invaded from the States or Mars. You will all have seen Pythium but not Pythium blight. The Pythium you see is that growing on a mouldy crust of bread – and that will not kill turf!

We can learn, however, from this scare – and not just to get accurate examinations. Grass in greenkeeping is increasingly under stress, but that situation is best handled by sensible sound greenkeeping, which will protect turf naturally. Chronic "fus", it is always claimed, is a sign of bad greenkeeping, but the mistakes may well have been perpetrated by past greenkeepers, who have bequeathed unhappy legacies by past over-feeding and over-watering. Even so, disasters do have a habit of occurring at the most inconvenient times and sympathy must be extended to the sufferers, the chief of whom is the man on the spot. Nevertheless parallel disasters in the past have been diagnosed accurately, but whether we can learn and prevent their repetition is another matter!

We must also hope that Pythium blight never reaches these shores because although there are effective fungicides in the States, if applied in anticipation, they certainly could not be used here because they have no approval for use on turf.

Jim Arthur and George Shiels
Golf Course Agronomists

Pythium facts

Infection begins at about 18°C and foliar blighting develops most rapidly when air temperatures are in the 29-35°C range.

Things to watch out for: Daytime air temperatures of 30° or more, nighttime temperatures of 20° or above, combined

with a relative humidity of 90% or higher.

The susceptibility of bentgrass to Pythium aphanidermatum increases significantly when grass is being grown at high salinity, outbreaks of Pythium can occur at temperatures and humidities much lower than those thought to be favourable for disease development (Rasmussen and Stanghellini, 1988)

Pythium Zoospores are very small, and move rapidly in free water, and may spread the fungus through a drainage pattern. The pathogen spreads from leaf to leaf by rapid growth of mycelium. Mycelium infected plant tissues move over large areas on equipment and on shoes. Lush dense, growth with high nitrogen fertilisation is especially susceptible to attack, and the disease may become more severe in alkaline soils than in acid soils.

Management practices to reduce the incidence of Pythium include the removal of dew and guttation water. Leaf wetness can also be reduced by two to four hours when the irrigation system is set to begin at least three hours after sunset and completed before sunrise.

Detection is paramount, therefore, consider investing in a microscope so that a diagnosis can be made early. This is achieved by examination of grass leaves for Pythium hyphae.

Also if your irrigation has an on-site weather station this can aid in monitoring temperatures and humidity.

References: Diseases of Turfgrasses by Houston B. Couch. Compendium of Turfgrass Diseases (second edition). Disease Diagnosis by Patricia L. Sanders.

Seve Schmitz, Course Manager
Schloss Myllendonk, Germany

Montpellier or bust

The Scotts Golf Symposium was acclaimed by all to be a great success on several counts. It was a terrific opportunity to meet greenkeepers from so many different countries – France, UK, Ireland, Spain, Germany, Sweden, Italy, Slovenia, Israel and Denmark providing a very relaxed environment with a European feel to it for exchanging ideas and information and generally getting to know one another. The presence of Dr James Beard was an added bonus to many of us, having read his books it was a pleasure to meet the man in person.

So to the golf tournament on the picturesque but tricky Fontcaude course. Due to time restraints we only played nine holes but everyone enjoyed them-

selves putting on fast greens which some of us had long forgotten since the summer. The back nine proved to be the French greenkeepers' trumpo card, taking the top three places with over 20 points each. Those who took part in the golf clinic enjoyed practising on the driving range or perfecting their putting in short sleeves and 24°.

From the three days there still remain two unanswered questions. 1. Did the French players really play from the ladies' tees? 2. Where is Sun City?

See you next year!

Nic Davies
Germany

● Editor: Can't help with the first question but Sun City is in Bophuthatswana, which I believe is an independent state within the borders of South Africa.

Thanks for a Miracle

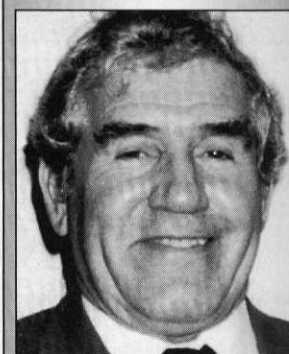
I would just like to congratulate Mike Goodhind on his victory in the Miracle Professional Greenkeeper of the Year competition.

I would also like to convey my sincere thanks to all the people involved at the Awards as they made sure that all the contestants were treated well and made to feel very important.

Can I also say a very big thank you to Miracle Professional for running such an award as I have had a great time participating in it. I think it's a great opportunity to have a good time and to try and achieve a great award. I will certainly be encouraging people to have a go.

Don Wilson
Course Manager, Dyrham Park Country Club

MY NEW YEAR'S RESOLUTION IS:

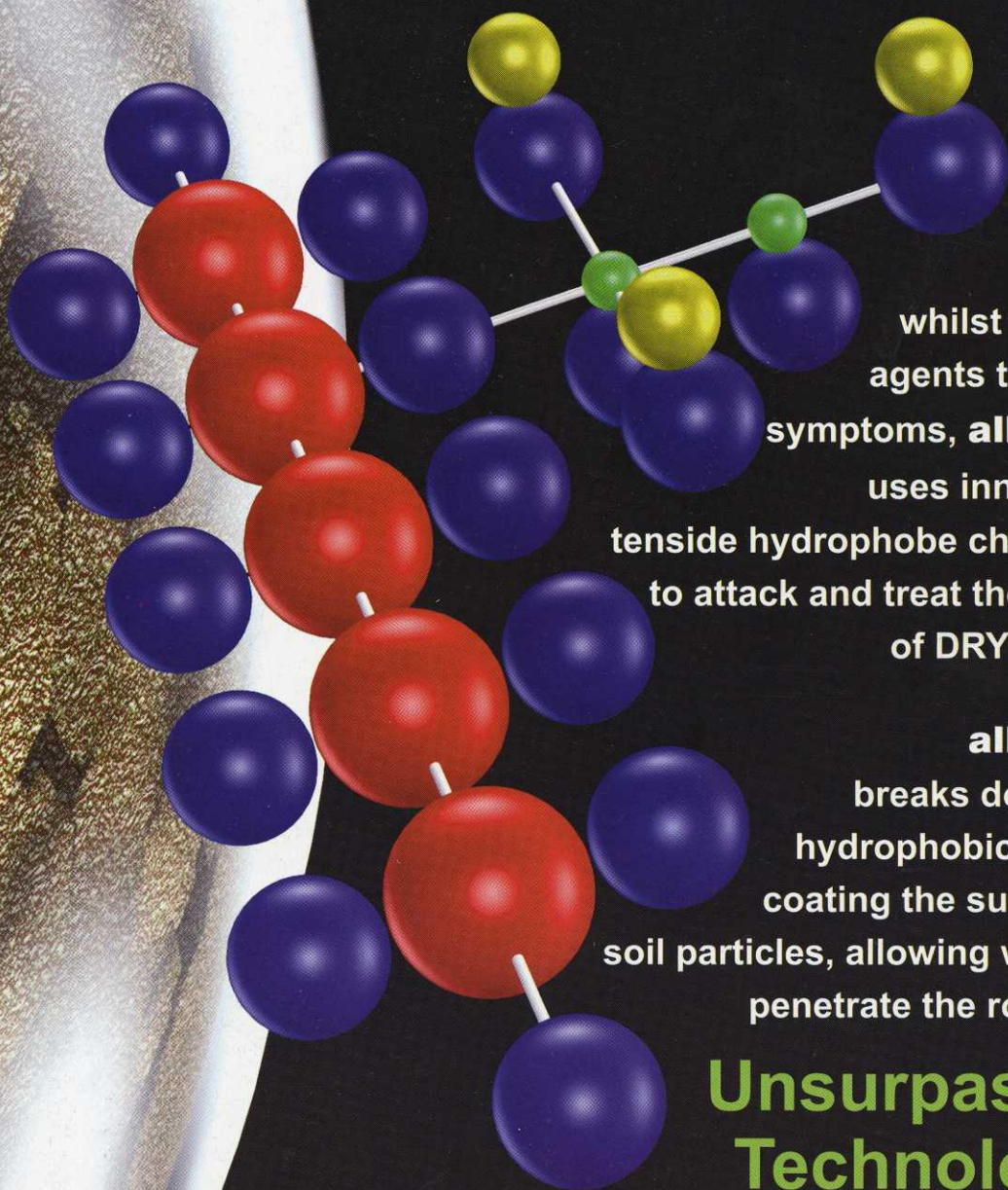


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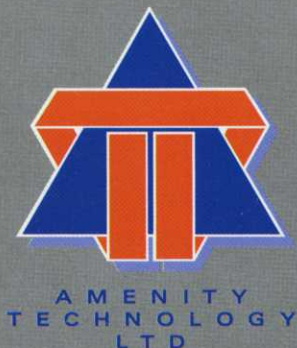
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