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■ The next edition of  
*Greenkeeper International*  
should be with you by  
February 15 - complete with  
report and pictures from BTME

JANUARY 1997

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### Broadway star heads for Vegas

...Broadway in the West Midlands, that is but the Las Vegas part is real enough. Cedric Gough, the new Miracle Professional Premier Greenkeeper of the Year, is USA bound. **Pages 10-11**

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Dean Cleaver relinquishes his title as Chairman of BIGGA when he hands over to Pat Murphy at BTME 97. But what a year in office he's had ..... **Pages 14-15**

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## Regular features

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### Cover

Cedric Gough, winner of the Miracle Professional Premier Greenkeeper of the Year award  
Picture by Keith Meadley

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TURN TO PAGE 81

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Amanda Freeman at BIGGA HQ on  
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# GREENKEEPER

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Counting down the days to BTME 97: If you need more details, call the BTME Hotline today on 01347 838581



# Making my Mark in the rumour mill

**A**fter a successful run of 36 consecutive months Neil Thomas has decided to take a break from his BIGGA in Focus article. I'd like to thank Neil for his contributions over the last three years and look forward to including the regular forays into the magazine which he has promised me on issues about which he feels particularly strongly.

I have no intention of following Neil's format but felt the chance to offer up a few "MacCallumisms" via an Editor's column was just too good to miss.

May I begin by wishing you all the very best for the new year – a year which sees BIGGA reaching double figures. I had considered using the "Showbiz" good luck line "Break a Leg" but in light of the new Health and Safety legislation I would probably be sued for inciting recklessness.

At the tail end of last year I was part of the BIGGA Road Shows which appeared at both Sketchley Grange and Cannington College and had the chance to speak about my role as Editor of your magazine. I described how the magazine is put together and was able to answer some of the often-voiced criticisms – too many adverts, not enough colour etc.

We all found it an extremely rewarding exercise because, with a chance to speak directly to members, we were able to give an insight into what we actually do on a day-to-day basis. We were also able to allay some of the misconceptions which people have about BIGGA Headquarters – that there is an army of people working on every aspect of BIGGA business and that staff have whims administered to by hand picked Geisha Girls paid for out of membership funds.

An exaggeration, I

can regretfully assure you. A genuine example, however, is how people who visit Aldwark Manor are shocked by the cramped nature of the offices. They had assumed, or been told, that staff worked in the building which is actually Aldwark Manor Hotel.

The industry, presumably because it is small and close knit, is certainly prone to rumour, and extended games of "Chinese Whispers".

Even I, in the relatively short time I've been with BIGGA, have had a starring role in one such rumour. I learned, third, or perhaps even fourth hand, that I'd left the Association and was working in Germany! Unfortunately I didn't learn how well I was supposed to be doing. Perhaps it was a case of "Auf Wiedersehen Pet" ... but I'm afraid I wouldn't make much of a brickie!

The true story is always available from those at the centre of the rumour and the key to avoiding such cases, however amusing, is just to give a call. People are more than happy to provide the facts to allow you to pass informed judgment and opinion and not just add more spice to the rumour mill.

Scott MacCallum  
Editor



The recent high winds in the north east of England caused mayhem at Matfen Hall. Winds of over 90 miles per hour caused severe damage and one of the casualties was a oak tree which was over 200 years old on the 13th hole. Also the 4th and 7th holes were hit with large branches breaking off.

## Private health plan offers advantages to BIGGA members

Thirty five million people bought a pair of glasses last year. Nearly 30 million people went to the dentist and had to pay for their treatment. Seven million people will go to hospital this year for more than one night and 24 million will go as an out-patient for day surgery.

That's nearly 100 million people Westfield could help. And they are not the only people. Westfield Health Scheme provides 18 benefits covering many aspects of health care.

Even with the NHS much of today's health care has to be paid for, sight tests, glasses and contact lenses can be very expensive. The cost of dental treatment has risen significantly over the last year. Many of us now play hard and work hard, the incidence of sporting injuries rise every year and often result in physiotherapy, osteopathy or chiropractic treatment. Many people are turning to treatments such as acupuncture instead of traditional therapies. The cost of a new addition to the family can put a severe strain on the family budget.

Contributors to Westfield are secure in the knowledge that they have the cover to help pay for these often unexpected medical expenses. For just 65p, £1.20,

£1.80 or £2.50 per week you too could enjoy the peace of mind that membership of Westfield brings.

In particular, please note that Westfield will waive the initial waiting period for BIGGA members (except for pregnancy related claims).

Take time out to read the brochure in this month's edition of *Greenkeeper International*.

## Ransomes' profits up

Ransomes has announced worldwide sales of £186.4 million for the latest 12 month period. It marks a rise from £180.2m from the similar period in 1995. Pre-tax profits advanced from £9.2 million to £12.8.

Ransomes' commercial division, which includes Ransomes, Cushman and Ryan, increased sales and maintained margins, a goal achieved by a tight cost control and improved efficiencies resulting from better manufacturing practices.

Operating profits for the division were £20.8m on sales of £143.1m.



# Scots get set for conference

The Scottish Region will hold its highly successful annual one day Conference in the Isle of Skye Hotel, Perth, on Tuesday, March 4.

The Region has brought together a group of speakers to cover some of the most topical subjects being dealt with by greenkeepers at the moment.

From Dumfries and County GC, the immediate Past Captain, Derek Ross, will try to bridge the divide between the committee and the greenkeeper.

Carol Borthwick, of Elmwood College, will look at training and

education towards 2000.

Possibly the best educated greenkeeper in Scotland, Ian McMillan, Balbirnie Park, with a different slant on the history of greenkeeping. Note the word different.

From the deep south, but a Scotsman at heart, Billy McMillan, Wildwood Country Club, will emphasise the need to keep greenkeeping simple.

More and more courses are waking up to the fact that trees can be an asset, whether by new planting or by spending more

money and time on caring for those already there. Andrew Vaughan, of Eamonn Wall and Co will encourage people "to see the wood from the trees".

Disease! That awful word. After 1996, one of the worst remembered in Scotland, any advice we can get on the subject is welcome and one of the country's leading experts, Dr Brian Clifford, of the Aberystwyth Sports Turf Research Association, will give advice on this dreaded subject.

As we get nearer the year 2000,

many more courses will reach or have passed their centenary and with the realisation that many greens built 100 years ago are not standing up to today's wear and tear Dr James Snow, the National Director of the USGA Green Section, will talk about the search for the perfect green construction and possibly how greenkeepers in Scotland can change their greens to stand up to the next 100 years.

It should be a great day and application forms will be sent out later this month.



To mark the sale of the 1000th Toro Greensmaster sold by the Toro dealers in Scotland, A M Russell Ltd a presentation was held at Scotsturf '96. The Edinburgh-based firm has been selling Toro for nearly 30 years and brought together one of the first Greensmasters it had supplied, to Sandyhills Golf Club, Glasgow along with the 1000th new Greensmaster, a

## Russells hit their 1000th

3200-D, purchased by one of the premier courses in Scotland, Hags Castle Golf Club in Glasgow. Hags Castle and Toro representatives pictured at the champagne celebration are (from

left to right) John Gray, Deputy Course Manager, sitting on the 1000th machine; William Kelly, First Assistant; Robert McLerie, Course Manager; Graham Dale, Managing Director of Toro UK distributors Lely UK; Alistair McRobert, A M Russell's Area Manager, and Brian Goudie, Managing Director, of A M Russell Ltd; and John MacIntyre, Assistant Greenkeeper.

## The need for a club stamp explained

Many of you have been ringing Aldwark to ask why, if your club does not pay your subscription, you still need your renewal form to be stamped by your club. The need for a stamp was introduced partly at the request of sections and partly as a result of problems that had occurred in 1996. The necessity for the club stamp is to protect our greenkeeper members from non greenkeepers who would seek, by deception or omission, to obtain a membership card simply to play golf. While all new members are now referred to the section, it would not be possible from an administrative point of view to refer all renewing members to the section. The club stamp was deemed to be the easiest way to verify employment.

If the club does not have a stamp, a letterhead or compliments slip signed by the Club Secretary or General Manager will be accepted. Any member experiencing a particular difficulty in having his or her form stamped, should write to Janet Adamson at Aldwark Manor.

## Mill Ride boost for greenkeeping



Mill Ride Golf Club in Ascot has become the first individual golf club in the country to make a donation to BIGGA's Education and Development Fund. The Club, at

which Master Greenkeeper and former Premier Greenkeeper of the Year Gordon Irvine, pictured, is General Manager, has donated £1,000 to the Fund.

"We are absolutely delighted that Mill Ride has made this extremely generous donation," said Neil Thomas, BIGGA's Executive Director.

"In making the donation it

shows that the club recognises the importance of greenkeeper education and the benefits that it brings in ensuring that golf courses are maintained to the highest possible standard.

"On behalf of everyone who will ultimately benefit from this donation may I thank the Directors of Mill Ride for their generosity."

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# Trade gears up for 1997

**Ransomes** has made two new appointments within its commercial sales division serving professional grass and turf machinery dealers, customers and end-users throughout the United Kingdom.

Paul Gardiner has been appointed Area Sales Manager with responsibility for the south and south-west of England and all of Wales.

Technically experienced with a sound engineering background, Paul will be assisted on dealer and customer visits, when necessary, by Ransomes' Southern Area Demonstrator, Mark Poppleton.

The second new Ransomes appointment is Michael Stewart, who joins the company as northern area demonstrator.

Based near Hexham, Northumberland, Michael trained as a greenkeeper before starting his own grass-cutting contract business.

There's a new sales team for **SISIS**. Following the retirement of Sales Director Arthur Harrison, Ian Camp has been appointed General Sales Manager with overall responsibility for world-wide sales. Ian is widely known to SISIS customers throughout the UK and overseas and his global sales experience pre-dates his SISIS years, now into double figures.

Keith Vertigan has been appointed UK Sales Manager supported by the 15-strong, SISIS direct sales force. Keith has been Northern Regional Manager for five years following a period in charge of SISIS in Scotland. He has been with SISIS for 25 years during which time he has covered most parts of the UK as well as representing the Company at overseas events.

David Harrison has been appointed Export Sales Manager. David has 20 year's service with SISIS and has already travelled



Paul Gardiner, left and Michael Stewart of Ransomes



The SISIS team: Peter McGuckian, David Harrison, Ian Camp and Keith Vertigan

the world extensively as Sales Demonstrator, prior to which he exploited his artistic talents by producing SISIS Operating Manual drawings.

Peter McGuckian as Sales Office Manager, remains responsible for the day-to-day organisation of the Sales Office, ensuring the provision of essential back-up and administration, increasingly utilising the technological advances expected by customers of today and tomorrow.

**Mommersteeg International** has restructured its amenity and sports grass seeds sales team and strengthened the operation with the appointment of Mark Rayner.

Mark joins the company as amenity seeds specialist responsible for the north west of England, the West Midlands and Wales.

The amenity team at Mommersteeg is headed by Phil Davies, who will be responsible for business in Scotland and Northern

Ireland and the development of distributor business throughout the United Kingdom. Based in North Wales, Phil will also be looking at new product development and expanding Mommersteeg's technical advice service.



art & Co Seedsmen, the Mommersteeg distributor for Scotland and the Borders.

Mark said: "It is a very exciting time to join Mommersteeg."

Speaking about the restructuring of the company's amenity team, John Akers, Commercial Manager Mommersteeg International said: "Our sales in this sector have grown well over the last few years and we are looking to develop further business, across all market areas."

**Johnson's Seeds** has created a new senior position – Head of Procurement – as part of its strategy to drive the business forward into the 21st century.



David Adsley, has been appointed to this position. David joins from Seliotape

where he has worked for 21 years.

David trained as a Technical Buyer. During his career he has held a variety of production management and purchasing management posts.

David describes his new role as a pivotal organisational function, 'Procurement is about purchasing but more importantly it carries all aspects of purchasing and materials. It's also about supply into the production environment but it is also about supply into the sales environment.'

Jay Dobson, Programme Manager and Lecturer in Turfgrass Science and Management at Myerscough College, will join PSD Agronomy on 1 February as a consultant Agronomist.



Jay has lectured widely throughout the UK,

including a spell at Langside College in Glasgow, and takes with him a broad range of knowledge and experience of the golf industry where he has been involved in the construction, maintenance and management of new and existing facilities as well as research into a broad range of turfgrass related topics.

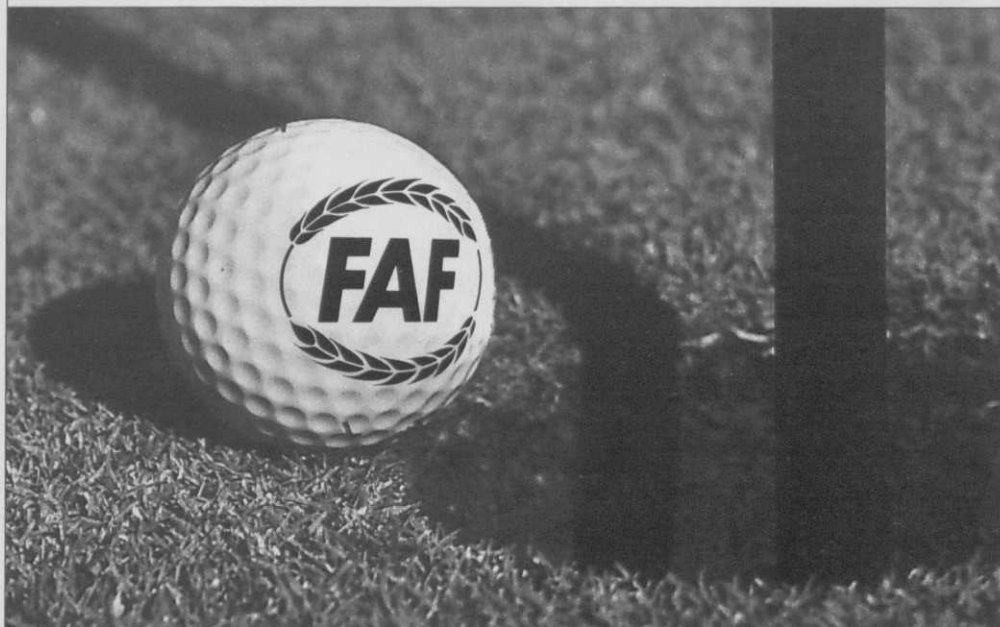
Following an initial period of acclimatisation within PSD, Jay is looking to develop the services that they offer to a wider market place particularly in the West of Scotland.

He will be dividing his time between his home base in Glasgow and the Head Offices in Preston.

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# Education at BTME will be strongest yet

**W**elcome to a new year, Sami and I would like to wish all readers a very happy, prosperous and educational New Year.

We will soon be totally involved in preparations for the National Education Conference, Workshops, BTME seminars and the joint STRI/BIGGA Chairmen of Green/Secretaries Course all of which are seeing an increase in popularity for 1997. There are some places left for those who have not already booked but to make sure of YOUR place, give us a call at headquarters.

Bookings will be accepted for the BTME Seminars, on the day, but we cannot guarantee that places will be available. This year's education provision at BTME is the largest ever. Take the chance to improve your knowledge and skills in a wide variety of subjects.

Master Greenkeeper credits and BASIS CPD points will be awarded for all events, ask for details at the Conference and BTME Seminar reception. Remember that improved education and training leads to improved status for greenkeepers and improved golf courses for golfers.

## BIGGA Lending Library

The Lending library now has over 400 books, with new titles constantly being added and all section secretaries have been sent an updated library list and application forms.

You may borrow a maximum of two books at a time for up to six weeks simply by writing to Ald-



## Education Update

BY KEN RICHARDSON

work Manor or by sending in an application form. Books, in stock, are dispatched by return of post and we ask that you return them within the six week period. Therefore, the only cost to you is return postage. If you prefer, callers at Aldwark Manor may also borrow books.

## Regional Supervisory Management Courses

Plans are being developed for this Autumn's Regional Supervisory Management Courses and, following the success of last year's courses, demand for places is expected to be very high.

Don't forget, these courses are available to all greenkeepers and are designed to prepare them for supervisory and management posts. Once again, thanks to the contributors to our Education and Development Fund, we will be able to keep the cost of these courses, for BIGGA members, to approximately one tenth of the commercial rate for similar courses.

There are seven places still left on the Essential Management Skills course, at Gateshead, on 10/11 February 1997. This course is offered at the very low cost of £50, so make sure of your place by 'phoning now or by speaking to a member of staff at BTME.

## Toro wins quality standard accolade for manufacturing

The Toro Company has achieved ISO 9000 certification for its commercial business and a component parts manufacturing facility. In 1995 Toro became the first full-line irrigation and commercial equipment manufacturer to obtain ISO 9000 designations.

ISO 9000 is a formalised set of quality definitions and standards developed by the International Organisation for Standardisation. A certified company has identified and documented processes that address all elements of the ISO 9000 standard that its facility or operation is pursuing. Once certification is achieved, the company is audited every six months to assure continued compliance.

"Toro holds itself up to the worldwide standard and makes it," said Greg Holaham, Total Quality Manager for the commercial business.

"The ISO certification is an important indication to our

customers that our quality processes are world class and that we are committed to continuous improvement."

## A record quarter for John Deere

Deere & Company has announced record fourth quarter worldwide net income of \$173.9 million for the quarter ended October 31, an increase of 15% compared with 1995 fourth quarter net income of \$150.6 million.

Deere & Company Chairman and Chief Executive Officer Hans W. Becherer said:

"Both the fourth quarter and the full year results represent new company earnings records. The company's operating margins remain strong as our focus on continuous improvement and growth is having a positive impact throughout our businesses."

## (mis)adventures of Gordon the Greenkeeper



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Yet another benefit of  
BIGGA membership



**Doug Smith**, Course Manager at Thorpe Hall GC, Essex, could be forgiven for looking a little bit bleary eyed of a morning. He has just become a dad for the second time when Keri Samantha entered the world weighing seven pounds three ounces on November 15. Keri is a sister for Jena who is nearly three.

# FACT: EXPRESS DUAL GRINDING SYSTEM IS SIMPLE!



**New Miracle Professional Premier Greenkeeper of the Year Cedric Gough talks with Scott MacCallum about the award, what it means to him and about his 24 years at Broadway Golf Club.**

# BROADWAY STAR HEADS FOR VEGAS

**T**here are many who say that to avoid becoming stale you should always be looking forward, aiming high and trying to better yourself. You often hear the view that you must move on to give yourself a fresh challenge.

Cedric Gough has always looked forward, aimed high and continued to better himself as a greenkeeper but has not felt the need to move on to do so having remained at the same golf club for 24 years.

Cedric Gough, Course Manager at Broadway Golf Club, is the new Miracle Professional Premier Greenkeeper of the Year and the rewards which loyalty and continuity bring have been enjoyed both by Cedric and the golf club.

As his Chairman of Green and Immediate Past Captain, Bob Crockford, says, "You only have to go out on to the course and there is 24 years of Cedric – steady improvement every year. He does a great job and everyone appreciates what he and his team does."

"We have always known that Cedric was extremely good. He has pursued a regime of turf care now for 24 years often with a lot of criticism because golfers don't like their greens being interfered with but he has stuck to his guns and as a result we have an excellent course," explained Bob.

Broadway Golf Club is not the easiest to manage. Perched on a hill 900 feet above sea level you can see for miles but the downside is that it is exposed to the north east wind and as Cedric explained, "It is like having a links course inland... plus the extra frost."

"We have very little soil and we are on Cotswold Brash so what soil there is tends to be clay or at least very heavy. Some holes are all clay, some are a combination and others are more natural so we have to have different management techniques for each area of the course."

Cedric was nominated for the Miracle Professional Premier Greenkeeper of the Year Award by the Secretary/Manager of Broadway, Brian Carnie.

"I remember Brian saying, 'I just hope you go on and win it' and thinking I'm not going to say anything but that's just pie in the sky. I thought it was a bit out of my league."

"Having said that the rest of the team and I often say that we couldn't get the course looking



**Yes! Cedric Gough, centre, celebrates with his team back at his club**

any better with the resources we have if The Open was being held over it," explained Cedric.

"When it was announced that I'd won I was just flabbergasted, because there were some very good greenkeepers in the final. It is one of the greatest things ever to have happened to me."

Cedric wins a trip to the GCSAA Conference and Show in Las Vegas in February while his team receives a cheque for £500.

The initial course visit was performed by Midland Regional Chairman Antony Bindley and 1994 Premier Greenkeeper, David Walden, to whom Cedric also gives credit for entering the competition.

"Although I didn't know David before he came on the course visit he did inspire me when he talked at Harrogate about the award and urged greenkeepers to enter and have a go."

Cedric has an excellent young team at Broadway of Jamie Blake,

Roger Ashby, Martin Jeffs and greenkeeper/mechanic Major Rathbone.

There is no First Assistant at the club as Cedric operates a system whereby all the assistants are equal.

"They are all of a similar standard and strong in different areas so we took a vote and it was decided that I wouldn't promote one to First Assistant. When I'm away I'm happy that I have three heads working instead of one. We find it works very well at Broadway."

One of the elements of Cedric's work which helped clinch the title for him was the tidiness and cleanliness of both the golf course, the maintenance facility and all the machinery.

"There was one tractor which Cedric said was six years old, but looked brand new, and the dirt from underneath the wheel rims had even been cleaned," said Richard Minton, who together

with Pat Murphy undertook the second course visits.

"I like to look after the machinery," said Cedric. "After all, it doesn't come cheap."

Cedric grew up in Bridgnorth and spent much of his childhood helping his father who worked on the local cricket pitch as a volunteer. "It seemed a natural development to go into greenkeeping," he explained.

He began at the nine hole Bridgnorth course and, although he got some help from the local pro, was virtually the only member of the greenstaff. After three years he moved to a First Assistant's job at Ross on Wye, before arriving at Broadway as Head Greenkeeper in 1972. His job title changed to Course Manager in 1989.

"The secret at Broadway is to let the grass get to the mower rather than the mower to the grass – be patient and keep that little bit of extra grass on. It does mean that we have to cut more often, sometimes the tees have to be cut every day."

Travelling up to Aldwark Manor for the final on a Sunday afternoon meant that Cedric missed his first Wolves home game for five years and he was more than disappointed that he missed a fine 3-0 win over Manchester City.

He is Wolves daft and posed the question "Given the option of becoming Premier Greenkeeper or watching Steve Bull score the winner in the Cup Final at Wembley which would you choose?" came up with the answer, "I'd be Premier Greenkeeper, but if it were a case of Steve Bull scoring the goal that took us into the Premiership, that's different."





**Leading lights of the competition, with the winner and finalists**

Having been a season ticket holder off and on for over 20 years he sees parallels between himself and "Bully" the Black Country's great folk hero.

"I liken myself to Steve Bull because he is a natural player and goal scorer and I'm a natural greenkeeper. I have gut feelings about things. I know when the weather is going to change that sort of thing. I was made to be a greenkeeper," he said, giving a glimpse of the sort of conviction which impressed the judges.

"I don't need to convince people at this golf club that I can do the job because they just need to look at the course but being Premier Greenkeeper is going to be beneficial to me as it shows that the industry has judged me to be Premier Greenkeeper."

Cedric is well used to coping with the critics, whom he calls the five percenters.

"There are the same five percent of the membership in every golf club who know more than the greenkeeper. All memberships are the same but all golf courses are different. You have to stand and take the flack and it is the hardest thing to do. You learn from experience and I certainly feel for the younger well qualified greenkeepers who don't have the experience to deal with the customer."

Part of that experience has resulted in Cedric banning the phrase "temporary greens" at Broadway.

"They are alternative greens rather than temporary and I would like other greenkeepers to stop using the word 'temporary' as it causes problems with golfers."

Looking back at his 24 years at Broadway Cedric can't help but

feel a bit frightened by the speed of it all.

"You turn around and 10 years have gone because you are always thinking about the next project. I've built every tee at least once, some of them twice and even more."

Cedric's greenkeeper education started with a week long STRI course he attended while at Bridgnorth and since then has revolved around BIGGA.

"I read magazines and books, attend lectures through the Midland region and Harrogate and also visit other courses with the Chairman of Green and our pro where we play with the local greenkeeper and then look around the course, sheds etc. Likewise they come here. Since winning the Regional Final several greenkeepers have made a

point of visiting to play the course and no doubt more will come having won the National final.

"In the last few years I've felt a need to get more involved in BIGGA, although at Broadway we are a little bit in the fringes of Midland events, and attending seminars at Harrogate has done my confidence a lot of good."

Looking back Cedric has seen the industry change dramatically and he is never slow to move with the times.

"If I took the whole of my career, had someone said to this this young whippet of a lad doing Bridgnorth golf club on his own that he would have pop-up irrigation, triple mowers, self propelled mowers, really expensive equipment to maintain, that he would end up in with an office with a computer and have detailed

records to keep I think he would have melted on the spot.

"In my career I've seen an awful lot of changes and most of them for the better," said Cedric.

"I have been extremely lucky here because I have an excellent team and the Chairman of Green has been superb."

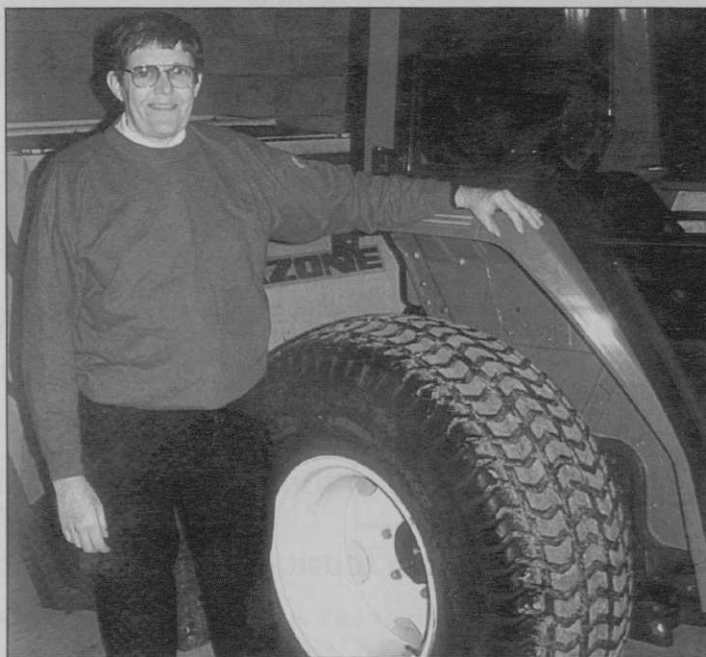
Cedric became the Miracle Professional Premier Greenkeeper from a strong field of finalists representing the five BIGGA regions. Paul Jenkins, of Lilleybrook GC representing the South West and South Wales; Huw Morgan, of Wildernes GC, representing the South East; Stewart McBain, of Hazlehead and Balnagask GCs, representing Scotland and David Leach, of North Manchester GC (now at Lancaster GC), representing Northern.

Having reached the final stages each finalist was again visited and all aspects of greenkeeping were examined including the golf course, maintenance facility, record keeping etc.

The interview portion of the final was undertaken at Aldwark Manor by Richard Minton of Miracle Professional and Pat Murphy, BIGGA's Vice Chairman and Chairman of the Education Sub-Committee, who had visited the courses, and Roger Mossop, also of Miracle Professional, and Neil Thomas, BIGGA's Executive Director.

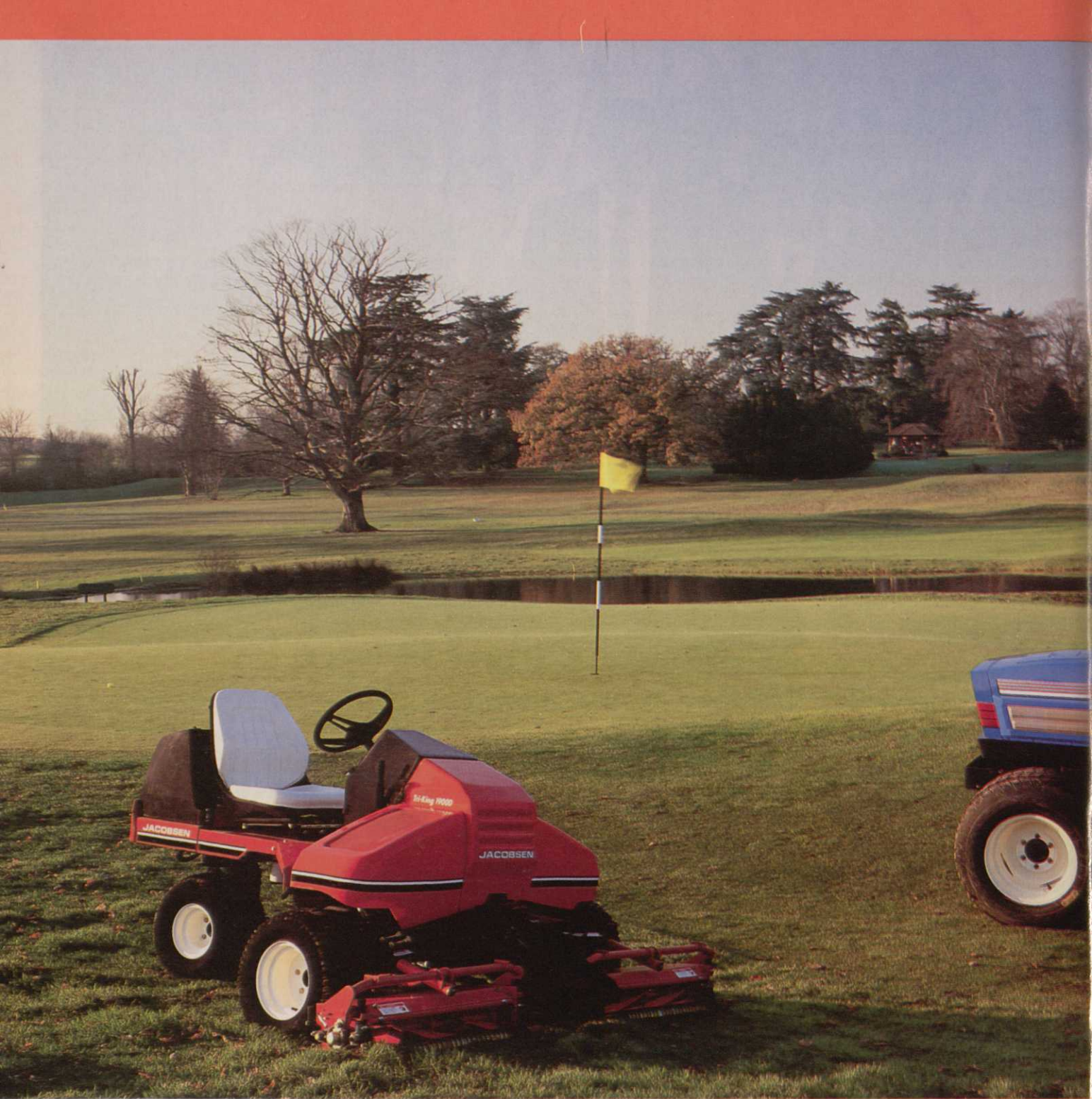
After long deliberations during which Cedric emerged the winner Stewart McBain was judged second and Huw Morgan third.

Stewart received a holiday voucher to the value of £350 and Huw a holiday voucher to the value of £250.



**Underneath the arches: Cedric with clean wheel rim which so impressed the judges**





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# 'Amazing' year

It's hard to believe that this is my final column and that my year as Chairman is coming to an end.

When people ask if I've enjoyed my year it would be very easy to play it down and say, "Yes. But it has been hard work." It is true that it has been busy at times, but I just think that I'm so lucky to have had the opportunity to do it.

Among the things I will look back on with particular affection are last year's Harrogate when I donned the red blazer for the first time, as it was the realisation of an ambition I'd held for a while, and also going to America, where I had the chance to visit Augusta National.

I've also been lucky that it has been a very positive year for BIGGA. Nobody within the Association has travelled as much as I have this year and wherever I've been I've met positive people – people who enjoy what the Association has to offer and get a great deal out of it. That's been great to see.

Also, when I've been abroad I've been able to listen to what our international colleagues think of BIGGA. They admire the won-

## As I see it...

BY DEAN CLEAVER  
BIGGA CHAIRMAN

derful education we offer, which everyone agrees is second to none, and they want to be part of it. That's why so many of them join our Association. We, at times, take it for granted and it is nice to listen to other countries appreciating BIGGA.

One of the first things I was involved with when I became Chairman was the formation of FEGGA and it was something I very much wanted to succeed.

Our meeting in Amsterdam in March was a milestone because we had many countries represented around the table all coping with the same problems and aiming for the same things. It was marvellous.

It has moved a lot quicker than we thought. The first AGM is at Harrogate and we already have written confirmation from the European Ecology Unit that there is a place for us at their table and

I'm delighted that I am FEGGA's nomination. It is important that we have an input in Brussels into what's said with regard to golf.

Talking about the industry as a whole there is no doubt about it that our job as greenkeepers and Course Managers is becoming increasingly difficult. The standard of golf courses has risen tremendously but people's expectations are such that they expect more and more.

Winter golf used to be a bit of fun – put a few clubs in a bag and off you'd go. Now it's not like that, it's serious stuff all year round.

It has an affect on the golf course. We always do our best to give golfers what they want, but it does create problems.

At times it is forgotten that the green stuff we look after is a living plant. The abuse it gets and the extreme conditions that we put it under mean that it is going to react in ways we don't expect and you do get bad luck.

If there is a problem on a golf course people tend to see it as a problem that the greenkeeper has created. "You must have done something wrong for that to happen."

That appears to have been what happened at Collingtree Park. It is the worst I've ever known in terms of what the radio and the papers were saying. It was just unbelievable.

The disappointing thing is that the media doesn't go to the right people to ask the questions so it gets taken out of context and blown out of proportion. We can all sympathise with Alistair Connall.

We've perhaps become the victims of our own success because for years we've wanted more say in what occurs on the golf course. We wanted more input, more responsibility. Now we are beginning to get that recognition and there are more people with total responsibility for their golf course.

However, with that comes more pressure.

At times we can all be guilty of disappearing into our shell if things are getting on top of us. When the course is A1 everybody

wants to speak to you but when the course is not so good, or there is a little bit of a problem, it can be quite a lonely job, people are less likely to talk to you. It really is amazing.

On a lighter note I had a couple of funny experiences while wearing the Red Blazer and flying to and from functions during the year. On a flight in America the air crew were wearing red jackets and one of them said to me, "We're not expecting anyone". They must have thought I was a relief pilot or something.

Then, coming back from a FEGGA meeting in Bordeaux, I was wearing my blazer under my waterproof jacket but it was just visible. A stewardess looked at me and said they should be able to make me a little more comfortable.

She phoned through to another steward and stewardess who were there to greet me when I arrived at my seat, took my bags from me, stowed them away and generally made me extremely comfortable. It was only when I read the in-flight magazine that I noticed all the staff were also in red jackets. When I took off my blazer I could see them trying to read my badge and it was then that they realised I wasn't an airline official.

Back to BIGGA business. I would like to see the job we've started with regard to the appointment of part-time employed Regional Administrators completed by the deadline of October. They are important positions and we will all get the benefit of them. The sooner that they are all in place the better.

I'd also like to see the regional management courses continue to thrive. They are there for your benefit and are subsidised and so are available to people who might not have been able to afford them otherwise.

If Sections want a course and can get the numbers to attend we will certainly put it on.

It just leaves me to thank Gay Hill Golf Club and all the members for the wonderful support throughout the year – particularly Barr Breckenridge, the Greens Chairman. The fact that I

### (mis)adventures of Gordon the Greenkeeper



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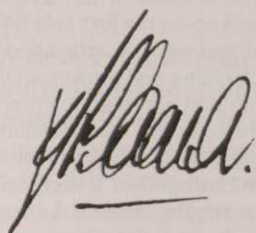


# comes to an end

attended so many functions as Chairman put more pressure on my team and they have been magnificent and a great support all through my year. Thanks to Alan Rowney, Andrew Kite, Raymond Taylor, Gerard Hickman and Noel Greene.

Also, thanks to all the BIGGA staff for their support during the year.

Finally I'd like to wish Pat Murphy an enjoyable and successful year in office when he takes over from me at BTME.




A year to remember: Dean Cleaver with a table-full of souvenirs from his period in office as BIGGA Chairman

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## A GREENKEEPER'S DIARY

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# Enduring January...

BY MARK BROUGHTON, COURSE  
MANAGER, MORECAMBE GOLF CLUB

**M**orecambe Golf Club is situated in an exposed position on the coast but this does not deter our hardy members from battling the elements out on the course. Heavy play continues right through the winter and much of our work is planned to minimise and counteract the damage caused. The course is generally well drained (but not a links) and most of the greens remain dry and firm throughout the Winter. Temporary greens are not required because the course gets flooded and unplayable before the greens get too wet. When hard frost is thawing the course is closed. The larger tees are in play throughout the winter, some of the smaller ones have alternative winter tees and others have an area mown out in front of the tee. We have a few tee mats which are used wherever problems are encountered or during construction work. To direct traffic around the course and keep trolleys away from greens we use white lines applied through a basic wet line marker. These can be moved around as they fade to shift wear patterns and seem to be more effective than hoops or roping off, the latter seem to be taken as a challenge to be overcome.

The free draining nature of the course means that construction work can continue throughout the winter. I try to programme a range of work suitable for differing ground and weather conditions to give us flexibility.

Greens mowing is carried out weekly if weather permits using pedestrian mowers set at 8mm while intensive aeration of greens continues throughout the winter, this consists mainly of slitting but we occasionally use solid tines and a Robin Dagger is used on problem areas. Maintenance of the trees, shrubs, hedges and woodland is a regular feature during January. This work lends itself to periods of hard frost when the possibilities for other outdoor work are limited.

Fungicide use is minimal at Morecambe Golf Club, if we get through October and November without using fungicide we usually get through the Winter. Our general policy is not to spray at first sign of fusarium but to keep an eye on it. If weather conditions

are ideal for the spread of the disease and the attack looks serious we resort to the sprayer. Sulphate of iron is applied to the greens occasionally throughout the winter in powdered form. This helps to prevent fusarium reaching problem levels reduces worm casting and improves presentation.

We usually try to get any major projects finished by Christmas and concentrate on smaller jobs such as bunker renovation and path construction after the new year. This year development work is limited, a major revision of the layout of the bunkers on the first hole is proposed and work is scheduled for path building and bunker renovation. In common with many clubs we are looking at the possibility of installing a borehole to supply water for irrigation. If things go to plan it should be ready for action before the start of the season.

When the weather is too desperate to venture out there is plenty to keep us occupied indoors. Overhauls and servicing of machinery are carried out in house where possible and course furniture tee markers etc are renovated. The annual review of Health and Safety policy and assessments is carried out this month with the involvement of all staff. Staff training and NVQ assessments are carried out throughout the year but the majority is carried out during the Winter particularly in January and February. This year we are trying out a scheme that gives us extra holiday over Christmas and new year in return for extra hours worked during the busy Summer period.

The main event of the month is BTME. A visit to the workshops, seminars and exhibition has become a regular fixture in my diary. The exhibition is excellent and gets better every year, and there is always something to learn from the educational programme. Even the trip home can be an entertaining challenge in the snow!

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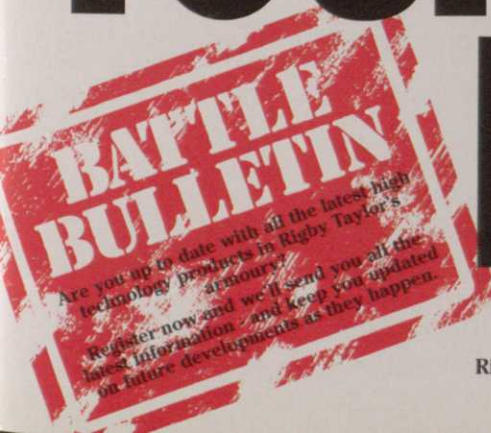
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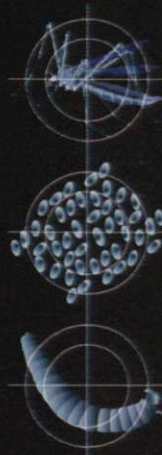
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# TREES

**John Nicholson, of Eamonn Wall & Co, looks at some of the unique problems that are encountered when golf; trees and the English Parkland landscape are combined, with Brancepeth Castle Co. Durham highlighting many of the difficulties.**

In 1923 Lord Boyne decided to lay out a golf links in the deer park of Brancepeth Castle. To design the layout, he employed the premier golf course architect of the period H S Colt.

Colt with the assistance of his partner Major J S F Morrison, did a truly remarkable job, using the natural rolling land form to great effect. It is perhaps testament to the fine quality of turf that from conception to the course opening was only 14 months. In fact no turf or seed was imported to the site, so good was the native sward. This was possibly due to the fact that the park had for some 300 years benefited from the grazing and natural fertilisation provided by the deer.

The course is unusual in that it has three distinct characters – parkland, heath and the once ornate old castle garden. Therefore to retain the unique “Genius loci” of the site, three separate management prescriptions are necessary.

It is also unusual in that it is registered by English Heritage as “A Park and Garden of Special Historic Interest”.

The course enjoys a wonderful backdrop; rolling countryside to the south and the magnificent castle and medieval church to the north.

There are few courses which can boast such a classic layout and picturesque setting. The castle which was described by Bernard Darwin as “a splendid pile which makes a backdrop to several holes”, combines with the golf course to form that special ambience which is only found in settings steeped in history.

The name Brancepeth itself evokes mystical thoughts being a derivative of Braun’s path (Boar’s path). It is said that the last wild boar in England roamed what is now the golf course and that the castle was often frequented by Richard III for the pursuit of such beasts.



Even slow growing species such as oak can have an impact in a relatively short period. The top picture was taken just five years before the picture above. The visibility of the left hand side of the green and bunker is reduced by some 30 per cent – resulting in uneven wear to the tee and a par 3 which will to some extent become blind

## THE PARKLAND LANDSCAPE

The landscape remained much the same until the time of the English Landscape Movement when in 1783 Adam Mickel drew up plans for the landscaping of the park. However these seem to have been largely ignored and the parkland is much today as it was

in the 16th century. Even when the golf course was constructed the parkland remained virtually unchanged. Colt, using all his undoubted skills, integrated the layout in an almost anonymous manner.

The first real changes to the

traditional parkland have accrued in the last 30 years. The breaking up of many of the larger estates and with them their traditional management prescriptions, combined with changes in legislation, have led to the evolution of new landscapes. The once routine



## 'Woodland design should also consider aesthetics'

practice of burning off areas in the autumn to control the spread of unwanted vegetation is no longer allowed. As a result the open park lands which are no longer grazed are falling prey to regeneration of both trees and assertive weeds. Rose bay willow herb being the most common. The once open views and designed vistas are now no longer and the character of many of the classic parkland courses is being lost to regeneration. It is therefore important that courses such as Brancepeth realise the need for management and take advantage of the grants available to manage their existing woodlands and ensure their sustainability.

### The importance of woodland management

In 1920 the well known course architect Dr Alistair Mackenzie stated in his book "Golf Course Architecture" that:

"Perhaps the most serious mistake made by a golf committee is the fallacy that they will save money by neglecting to get expert advice ..."

He goes on to say: "There can be little doubt that the poorer the club, the more important it is not to waste its small funds in doing the wrong kind of work, but to get the best possible advice from its inception."

The use of an independent specialist allows a club to adopt an unbiased long term plan and strategy for improving the quality of the trees and woodlands as and when resources allow.

The arborist should be used to assess the existing tree cover on the course and to draw up a woodland management plan to ensure that the appropriate long term results are achieved. If, as is quite common, the club also desires the strategy of the course to be altered, then a golf course architect should be used in conjunction with the arboriculturalist.

Within all golf clubs there are a range of opinions as to the main issues and problems and just as many divergent views on how to put these right. This is understandable as there are few absolutes or prescribed standards in either woodland management or golf course design. Further, as the composition of a club committee changes, so do the policies for woodland management and course improvement. These

become at best inconsistent and at worst, may swing from one extreme to another. In addition, securing a consensus within a committee may lead to ineffective compromise when an imaginative decisive approach is required.

There are rarely any easy short-term quick fixes when tackling flaws in existing tree cover. Similarly, fundamental design faults usually require comprehensive solutions rather than merely tinkering with the problem.

A management plan needs to command the support of the majority of the membership and should include a review of existing tree cover on the course and its effectiveness in fulfilling the required long-term objectives along with proposals to ensure these long term objectives are secured. These objectives should be achieved by a gradual evolution of tree planting and management rather than drastic short term changes.

When a management plan involves additional tree planting indigenous species should be used, particularly around the perimeter to create a strong structural framework that will look natural in the wider landscape.

Species selected for planting should take account of the following:

- soil type
- drainage
- aspect
- climatic factors
- resilience to golf ball damage
- form and shape

● compatibility with the wider landscape character

● compatibility with the landscape character of the golf course

● compatibility with the character of the individual hole

● compatibility with existing tree planting

● light management

● provenance

● stock type and quality.

Consideration should be given to both the visual impact and contribution the trees make to creating the golfing strategy of each hole. A management plan should ensure that these roles are protected, reinforced and enhanced where necessary. In addition the plan should protect and enhance the wildlife value of existing and proposed tree planting on the course while also protecting and enhancing the contribution trees make to promoting safety both around the edge of the course and between the holes.

### Sustainability and aesthetics

In forestry terms sustainability is the production of a normal forest, ie a forest with an even distribution of age classes, from newly planted stock to mature trees. Although golf courses do not exist for the production of commercial timber (although this should not be ruled out) the principle of sustainability can still be applied. Sustainability should be one of the major objectives of any management plan, as the loss of a tree or woodland can affect the aesthetics of a course, influence its

strategic qualities and, on a broader scale, can affect the wider landscape.

In order to achieve sustainability, a management plan should aim to create an uneven canopy with a diverse species mix. An uneven canopy would allow the loss or removal of over mature trees without a drastic change to the landscape and would safeguard the woodland against such dramatic losses as occurred in the storm of 1987 where in southern Britain some courses lost virtually their entire tree stock. Similarly, courses which lacked diversity suffered devastation with the emergence of Dutch Elm Disease in the 1970s.

In addition to aiming for sustainability, woodland design should also consider aesthetics. The surrounding landscape has to be complemented by any planting and extremes should be avoided. Too diverse a mix can be as unsightly as a monotonous plantation. Colours should be harmonised rather than contrasting and changes of mix should be blended together avoiding harsh lines.

Sustainability cannot, unfortunately, be gained overnight. It requires long term management in order to gain the necessary uneven canopy. Species mix can however help to reduce the time scale as different species have different growth rates and varying life spans. A continuous programme of under planting is required on older established courses in order to

The increased growth rate which occurs when trees are 'topped'





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# TREES

ensure the longevity of tree cover. The programme does not have to be intensive as long as it is continuous.

"The need for effective woodland management has never been greater and clubs whose courses were damaged by the storms of recent years should rethink their management to assist the trees and the wildlife they support."

On Course Conservation, Managing golf's natural heritage. The Nature Conservancy Council 1991.

### Problems specific to parkland courses

One of the major problems encountered on a mature parkland course is that within the English Parkland Movement trees were commonly used, either individually or in small groups, to frame attractive views or as part of a much larger composition. Care must therefore be taken when undertaking new planting. It has become in vogue to plant as many trees as possible, however in the designed landscape large areas of planting may be detrimental to the overall landscape character of the course.

The replacement of small groups or single trees which are often strategically and aesthetically very important to a course should be undertaken well in advance of their demise. This is a course of action which is often neglected unknowingly and results in either a dramatic change to the landscape or a hole completely losing its strategy. Forward planning is crucial to the long term well being of a course.

This, as previously mentioned, was proven by the storm of 1987 when many courses were decimated by the loss of tree cover. As a result of the lack of earlier underplanting, the results of the storm will be evident for many years to come. When such catastrophes occur, further problems may arise due to the panic which ensues. What will grow quickly is often the question. Poplar, willow, spruce and cupressus is the answer that comes from the gardening fraternity and so unsuitable species are planted as replacements for grand oaks or majestic beech. These quick fix answers result in a landscape which loses its identity with the form, shape and colour of trees breaking the unity of the composition.

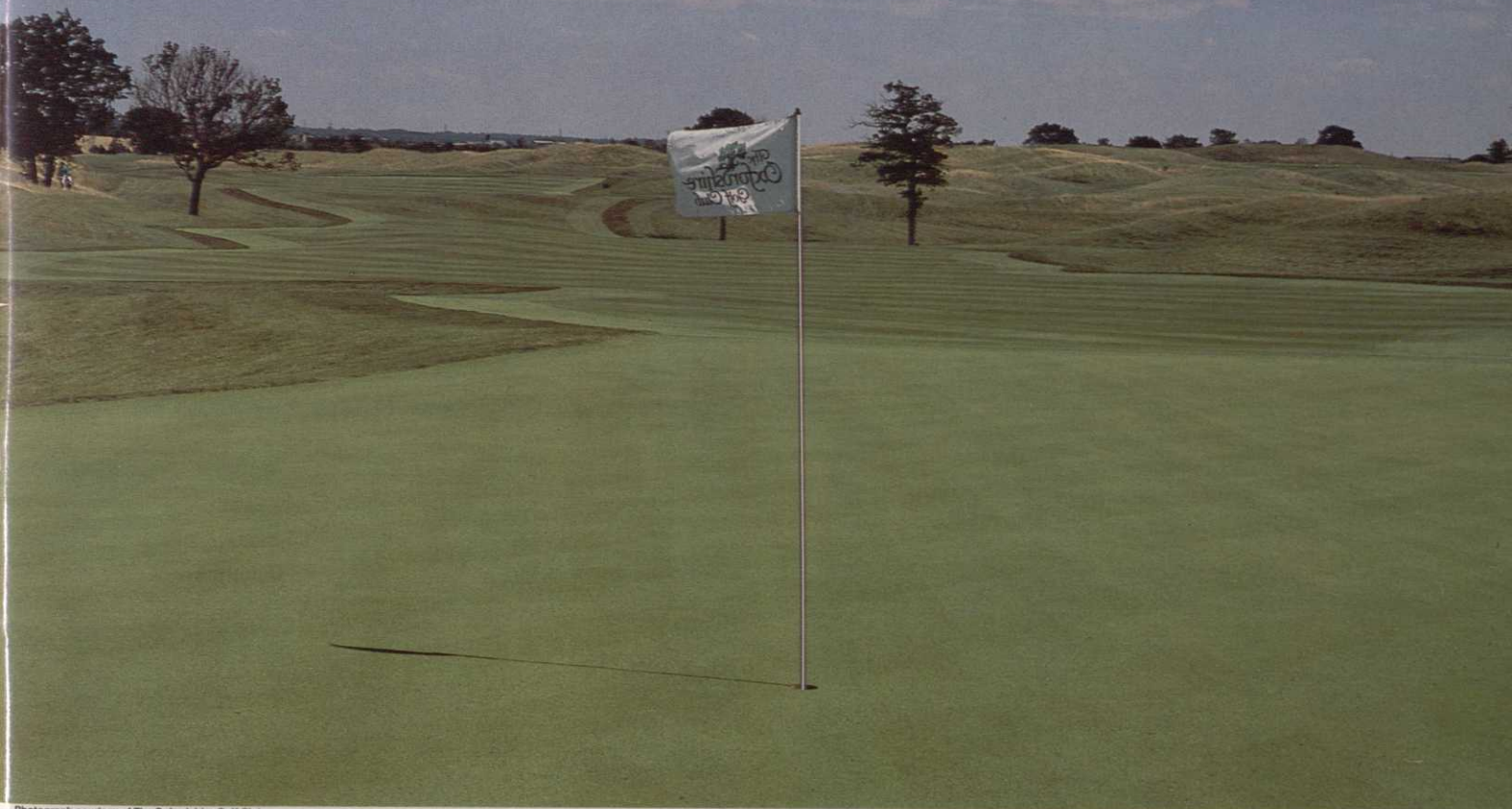
The presence of the designed landscape often goes unnoticed as the quality of the naturalistic designs of Brown, Repton and Kent were so effective that the layman does not realise that they were contrived. It is interesting to note that a comparison can be drawn between the development of parkland design and that of golf course architecture. The gradual departure from the formal symmetrical patterns of the Tudor and Baroque styles parallel in some ways the evolution of the golf course from the early days of square bunkers and rectangular greens to the natural rolling contours which typified the designs of Colt, Mackenzie and Ross.

Trees are a welcome component of any landscape and an important feature of most golf courses. However where there are many thousands of trees and only one castle, every effort should be made to return the vistas that were such a prominent part of the original concept, even if at the expense of some trees. The complexities of managing and sustaining woodlands within such environments are such that professional advice is essential. A balance must be reached between safeguarding the strategy of the course and maintaining the landscape. Below are listed a few guidelines to maintaining unity with the classic English parkland.

- Species selection should be in keeping with the original design.
- If there is a dominance of any particular species, ensure that mixed stands do not break the unity of the composition.
- Do not block scenic views or vistas.
- Avoid symmetry.
- Maintain the original positions of clumps or stands of trees when replanting as these will be an integral part of the design.
- Take care to retain the shape of stands when underplanting.
- Control unwanted regeneration which may alter the balance of the composition or block views.
- Be brave and remove regeneration or poor planting which has a detrimental effect on the landscape.
- John Nicholson is an Associate Consultant with Eamonn Wall & Co the Woodland Design and Management Company that specialises in the management of trees in the golfing landscape. Telephone: 0191 384 2556.



# From TEE to GREEN



Photograph courtesy of The Oxfordshire Golf Club

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# Golden Oldie

**Tenby is the oldest golf club in Wales and it revels in being as energetic as any in the country as Scott MacCallum found out.**

**Q**uestion: What do Royal Blackheath, Royal Burgess and Tenby Golf Clubs have in common? Answer: They are widely regarded as the oldest clubs in respectively England, Scotland and Wales.

Of the three the odd one out is Tenby. Not only is it the only one not to have the Royal prefix but it is also the only links course of the three.

Being the Principality's "Elder Statesmen" however has not prevented Tenby from being one of the most go-ahead golf clubs and a visit to the holiday town course on the south west coast reveals some forward-thinking and no little investment.

Everywhere you turn the club born in 1888 is active with a new clubhouse development well under way, three new holes edging their way to readiness and a maintenance unit boasting some of the newest and finest turf maintenance equipment – the club recently took delivery of the UK's first Kubota Super B Series compact tractor, supplied

by AM Garden Services of Caerfyrddin.

It is the fact that the club has such a positive philosophy that leaves you confident that the erosion problems which Tenby shares which most of the UK's links courses will be overcome.

"The erosion is in two areas – coastal and soil," explained Head Greenkeeper, Chris Jenkins, who has been at the club since the early 70s.

"It is a very tight golf course, you'll not find a tighter golf course in Wales," he said, and the point was made when a look at the construction work outside the clubhouse revealed sand foundations topped by no more than an inch of top soil.

"The fairways lack a depth of moisture and nutrient retaining top soil, a problem which can only be properly addressed by levelling them and adding good quality top soil to encourage a good sward of grass," said Chris.

The coastal erosion perhaps is the more pressing and no more is it apparent than on the magnificent stretch of land earmarked for one of the three new holes.

"Since 1993 we have had a coastal erosion committee and the club has been trying to act as a catalyst to get other concerned members of the community involved," explained Peter

Chris Jenkins, left, on the beach at a point where the erosion is particularly bad. Top picture – taken from the tee on one of the new holes – shows how the sea has eaten into the course



**Geoff Pearson, Tenby secretary, left; Chris Jenkins and Peter Williams, chairman of green**



Williams, the club's Greens Chairman. "We don't want to lose part of the golf course."

Consultants were brought in and produced a report to show how the erosion was becoming an increasing problem. Over the last 70 years at least 50 yards, including an entire bank of sand dunes, has been lost to the sea.

"There is already water encroachment on the golf course when there is a storm and it is hoped that a topological study can be carried out to establish where the flood channels are should the sea water break through.

"The problem is that erosion doesn't happen at half a metre a year. When you have a major storm you might lose a lot all at once," explained Peter.

"We know we are going to be in for a third of the bill for the work which has to be done but there should be European and Welsh Office money to help," explained Club Secretary, Geoff Pearson.

"The golf club is a major attraction in Tenby with many people visiting the town to play here," explained Geoff, who noticed a fall off in green fees on the strength of the major oil spill last year which, although thankfully missing the golf course, left an odour which hung over the area for quite some time.

The problem faced is that the erosion is constantly changing and that another series of reports may be required to up-date the position.

"Hopefully they will execute some sort of emergency measure, perhaps by dumping rocks at a place where the erosion is at its worst," said Peter.

Like so many other courses Tenby also has a rabbit problem and Chris has recently introduced a rabbit control policy with two people going out in the evenings to shoot them.

"It is not unusual for them to shoot as many as 60 in a night. Until recently there wasn't a cull and the rabbits were so tame they would come right up to the golfers," explained Chris.

If everything goes according to plan Tenby could be one of the very few 21 hole golf courses in the world.

The current layout involves 15

traditional links holes and three, on the other side of a railway line, are more semi links.

"The Welsh Golfing Union put it into our minds because, although we already hold events up to a certain level including the ladies Amateur and the Welsh Open Stroke-play, they would very much welcome seeing the new holes turn the course into a full links course before we can attract events like the Home Internationals," explained Geoff.

Unusually it would not mean 18 holes plus three practice holes but something much more than that.

"The course consists of many loops of three so we will be able to close three for maintenance in the winter and still carry on with a full 18," explained Chris.

"The main course will consist of the full 18 links holes, though," he added.

Looking at the land which has already been roughly laid out for the new holes it is easy to see why they are so keen to complete the job. Ironically the one hole which is most at risk from the erosion is one which would make any golfer lick his lips. A dogleg right, from the back tee it involves a drive almost over the magnificent beach to a tight landing area before a middle iron to a green cut out of a dune.

"We will ask the club's management team for its comments on tees, fairways and type of green etc and it would be our recommendation that we should hire an architect to liaise with the greens committee and come up with the initial drawings and costings. Then it is up to the members whether they want to invest the

money to go beyond that," said Peter.

"A large part of the land is under the Nature Conservancy Council and we would have to get approval for our plans from them and once we have them we would apply to the R&A for a grant. The R&A encourages the development of new links type holes, the stipulations being that they are properly costed and architect induced."

The club used its VAT windfall to buy a third of the course so that they now own two thirds of it – the remaining third belonging to the MOD which uses it as a firing range, and is currently using Sports Council money for the new £200,000 clubhouse development.

The excellent financial planning which goes into the club extends to the club's machinery.

"Over a five year period we are up-dating all our machinery," explained Geoff.

"In the past if something went wrong with a machine we were suddenly faced with a huge bill to replace it and had to wait for the committee to decide whether to replace it or not. It was all done out of whatever cash was available. Now we have a properly costed plan of machinery capital investment."

It is that type of thinking which has seen Chris have some excellent new equipment to use on the course.

"The new Kubota Super B tractor is superb," enthused Chris. "It is extremely powerful but also light weight which helps with regard to the erosion problems and also means we can take it onto the greens, although I

wouldn't advocate it for everyone's greens. It also has a strengthened rear section so a lot of our equipment can go on the back"

The Super B boasts an environmentally friendly engine which has passed the California State Emissions regulations regarded as among the toughest around.

Tenby may be the oldest golf course in Wales but its energetic forward-looking approach and the way in which it tackles problems is a model for many of its younger colleagues.

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# How to get the message across

**W**orld wide web, multimedia and e-mail have become buzzwords of the 1990s. If you haven't got a mobile phone, a computer with a modem or an internet service provider, you're told you are out of touch and likely to be missing out on vital developments taking place somewhere on the information superhighway.

Communication is what it's all about and there is little doubt that the world is becoming smaller, figuratively speaking, thanks to rapid advances in computer technology, telephone networks and the associated electronic wizardry.

Our ability to transmit in seconds a document or picture to someone on the other side of the world would baffle our great-grandparents. But what about communicating within our own workplace?

There is a fundamental need to provide information to other people within a golf club. No matter whether you are a club employee, official, greenkeeper,

member or visitor,

communications can only help improve the running of the club and the education and understanding of the people involved with it.

While many clubs produce regular newsletters for members, there is an accompanying need for the greenkeeping staff to keep everyone informed about the work taking place on the course and matters which affect all playing the game of golf.

Such information does not have to appear on a frequent basis, just sufficient to keep members and others informed about course maintenance and associated work and developments which will benefit from being brought to the attention of a wider audience.

So how do we get our message across?

Written information is by far the most effective as it is permanent and can be read at any time convenient to the recipient.

For those greenkeepers who do not wish to produce their own bulletin, the simplest method is to provide details to the person compiling a members' newsletter. If this is not possible, then get the information typed up into a single or two-page sheet which can be pinned to the club notice board or

playing of golf and the work being carried out on and around the course.

Compilation of any greenkeepers' newsletter should, of course, take place in consultation with those committee members or officials responsible for greenkeeping matters at the club. There is no point in alienating someone who should be an ally and who could be of assistance in producing such a bulletin. After all, the chairman of greens often has a message to get across to members which will be very similar to that of the course manager or the head greenkeeper.

Appearance of any bulletin or newsletter is all important. Unless you have access to desk-top publishing (DTP) facilities, most newsletters will take the form of one or more typed A4 pages produced, at best, by a word-processing computer.

If possible, lay the words out in two columns as this will be easier to read and go for a type size a little larger than the type used on this page. If you are using a computer, you should have the ability to introduce different type styles which will help grab the reader's attention and also differentiate between each article.

Always use a headline to introduce each item, which should be short, snappy and provide just enough information to tell the reader what they need to know. If the subject interests the reader, then they can always seek out further information if required.

The most advanced DTP systems allow photographs, logos and drawings to be scanned in to the computer and positioned within the text to illustrate an article or news item. If you want to use photos or pictures but can't justify a scanner, then a photocopy can be acceptable but be aware that the original quality will be reduced.

Never be frightened to ask for assistance. If the club produces its own newsletter, seek help or advice from the person who puts it together. Alternatively, take a look at local newspapers and magazines for ideas. You could also talk to the Editor of *Greenkeeper International* who

will be pleased to provide suggestions on style and appearance.

Content is another matter altogether. What, you might ask, should I be writing about for a greenkeepers' bulletin? Listed below are 10 suggested subjects or topics which could be looked at during the year. Prompted by this, you should be able to generate many more ideas. As stated above, there is no need to write an essay – simply give the facts and leave it at that.

■ Introduce the greenkeeping team, their background and experience if relevant, education and their specific responsibilities on the course.

■ Write about the turf maintenance programmes which will be carried out over the coming months and how they will affect play.

■ Provide regular updates on progress with course developments such as new bunkers, reshaped fairways, additional tees, etc.

■ Give advance warning of the winter measures that will be introduced on the course highlighting special measures affecting any specific area.

■ Introduce new machinery and equipment purchases, why they have been bought, how much they cost and what they will help you achieve.

■ Introduce new pesticides, fertilisers and grass seed mixtures that will be used on the course. Tell people where they are to be applied and why.

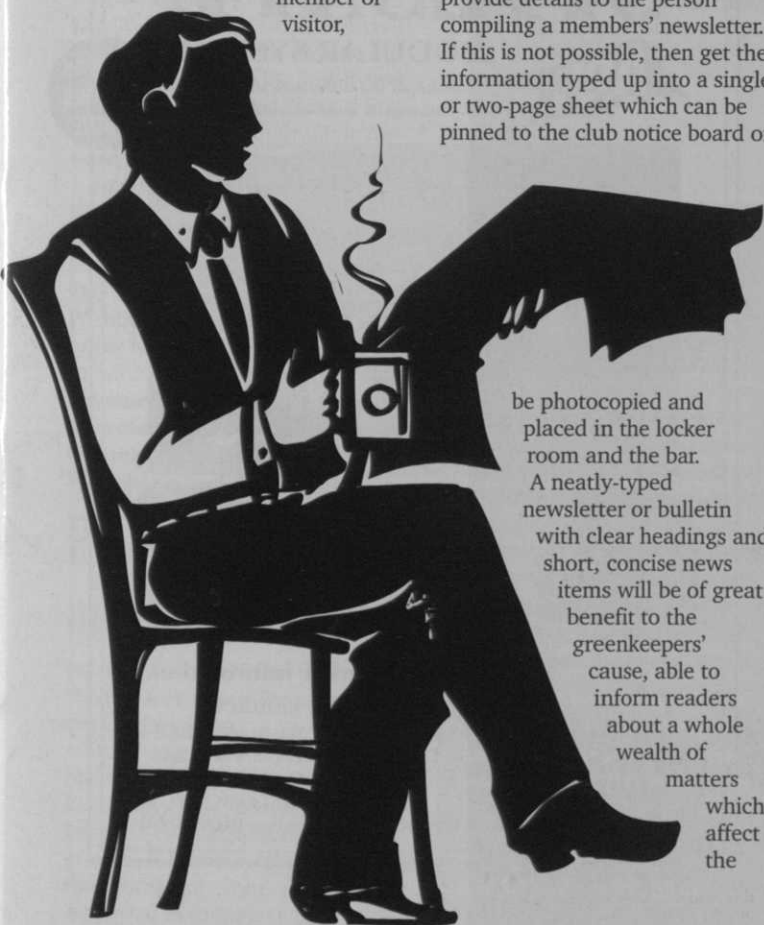
■ Write about the environmental aspects of the course, highlighting any specific features such as wildlife habitats and rare or unusual plants and trees.

■ Highlight the importance of replacing divots and repairing pitch marks by costing the time and materials used by staff to do the job.

■ Explain in detail some of the tasks you have to carry out on the course, why they are needed and what the alternative would be. Hollow coring, top dressing and spraying are three good examples with which to start.

■ Remind golfers of the safety points which need to be observed during play, especially when staff are out on the course.

be photocopied and placed in the locker room and the bar. A neatly-typed newsletter or bulletin with clear headings and short, concise news items will be of great benefit to the greenkeepers' cause, able to inform readers about a whole wealth of matters which affect the





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# First class competition is a credit to us all

Through *Greenkeeper International* I would like to thank Miracle Professional Products for sponsoring the Miracle Professional Premier Greenkeeper of the Year Award. I had a very enjoyable time at the finals at Aldwark Manor where Miracle men Richard Minton and Roger Mossop, with the help of Pat Murphy, looked after us really well.

I would also like to congratulate Cedric on becoming the Miracle Professional Premier Greenkeeper of the Year. After meeting him and discussing views with him it is a title he thoroughly deserves. It was also great to meet the other finalists and discuss greenkeeping over a beer (Hugh and Pat. Hope you recovered OK).

I also took the opportunity to look round the BIGGA offices to meet the hard working girls, discuss the magazine with Scott MacCallum and see first hand the problems they are having with the lack of space. Hopefully they will manage to sort something out in the near future.

Once again sincere thanks to all and it is a competition which I would recommend to anyone out there to take part in, and if you know a greenkeeper doing a first class job then put their name forward to your Section Committee.

Finally I would like to thank my chargehand Robbie Allan and all the rest of my hard working staff and also Area Officer, Sandy Scott and Client Officer David Grant. Without their support I would never have been able to progress so far in the competition.

**Stewart McBain - Second in Miracle Professional Premier Greenkeeper of the Year.**  
**Hazlehead and Balnagask GCs**

## Professionals are spoiled

In reply to Alistair Connall's "Hung Drawn and Quartered" in the October issue.

From my own opinion, and having visited these so called PGA European Tour courses - most have not even achieved one year's growth, it becomes apparent that the European Tour seems only interested in money.

To put it another way, they are damaging the image of the greenkeeper and at the same time giving club golfers sub-standard courses.

The professional of today is spoilt from having played too many manicured American type courses and is waited on hand and foot from the time he arrives at the tournament until such time that he picks up his prize money. In between that he has destroyed the course with criticism.

It seems to me that the old ruling "Play the course as you see it" is dead and gone.

As for Mr Connall, I would not worry too much about what has been said with regards to the course by the pros, I only hope those in authority stand behind you.

Have a look at some of the courses built by golf professionals. They seem to forget that we are in a European climate with European soil conditions and that we do not have the man power we would dearly like. Perhaps if they were more aware of these things they would appreciate our position a bit better.

**Ronald Kennedy**  
**Course Manager**  
**Bayreuth GC**  
**Germany**

## On course

The Ohio State University International Golf Course Turfgrass Short Course, held in Florida, saw 27 international turfgrass students from Australia, England, Ireland, Portugal, Scotland and Wales attending the two day workshop on turfgrass management. After completing a one year internship on golf courses in the United States, the students will return to their home countries to finish their college education. Sponsors of the short course included the Ohio State University International Agricultural Intern Program, CIBA, Finelawn Research, Inc., ISK Bioscience, Rhône-Poulenc, Terra International, Zeneca, and the Golf Course Superintendent Association of America (GCSAA).



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435**



# YOU CAN'T FIGHT NATURE

BY GUY LONGSHAW

**G**reenkeepers are increasingly looking at ways to improve the quality of turf surfaces in a time of increasing demand from golfers while at the same time attempting to reduce the use of chemical fertilisers and pesticides.

They have moved away from the heavy feeding and watering which has in the past produced "Poa puddings" and are now using more efficient and frequent aeration, top-dressings and trying to be more sparing with fertilisers and irrigation water.

## Reducing pesticides

Many greenkeepers are keen to reduce pesticide use for a variety of reasons, pressure from the environmental lobby, cost, inconvenience of dealing with hazardous chemicals and increasingly because of the realisation that fungicides kill beneficial soil micro-organisms as well as the pathogens (disease-causing fungi) they are intended for.

What greenkeepers are often battling against, particularly in the case of older soil based greens, is an imbalance between the processes of "production" of new grass and "decomposition" of dead grass. See fig 1.

Compaction, poor surface drainage and the use of fungicides can all reduce beneficial soil bacteria and fungi, thereby reducing the amount of natural decomposition occurring in the rootzone. Fertilisers are used to increase growth, so it is easy for an imbalance to occur, with dead organic matter (thatch and/or soil organic matter) tending to accumulate in the greens.

## Vicious cycle

The greens can then get stuck in a vicious cycle which is difficult to break. The turf environment favours diseases such as fusarium, so fungicides are regularly needed which also kill off beneficial bacteria and fungi and upset the relationship between microbial decomposition and plant growth.

Symbio began working on ways to address this imbalance in sports turf in the UK in 1990 but the development story begins way before this in the early 1980s with a team of scientists working with the French Ministry of Agriculture. The way of thinking behind their

research, has been adopted by greenkeepers in several situations.

## Mediterranean "sewer"

The original team was looking at pollution in the Mediterranean and began research to investigate the natural processes of decomposition of the pollutants. The plan was as follows:

1. To identify the species of micro-organisms responsible for breaking down the various organic substances and to culture and refine these strains.
2. To deliberately introduce these strains into the waste treatment plants to boost their efficiency and improve effluent quality.

Stage 1 was very successful but Stage 2 led to what could be described as an "environmental problem". The introduced bacteria had problems with their new environment insufficient or variable aeration, fluctuations in nutrient levels, difficult pH conditions and if that wasn't enough – toxic chemicals entering the

system which were added to control pathogenic microbes.

If you are beginning to wonder what this has to do with greenkeeping think of fig. 1 as a chart showing just some of the "environmental factors" affecting bacteria and fungi in a rootzone.

## "Biofixation"

The research team then began looking at ways of protecting their "bugs" in this hostile environment in the form of various mineral substrates introduced with the micro-organisms under laboratory conditions.

By adapting various naturally occurring minerals the team began producing mineral "carriers" which could protect and enhance the activity of the bugs. By the late 1980s this had led to the patenting of the process called "Biofixation".

The scientists now had a highly porous honeycomb-like mineral structure and a way of attaching their beneficial bacteria and fungi within the internal spaces.

## "Superbugs"

The 'Biofixed' micro-organisms had huge advantages over free bacteria and fungi – they were very effective at out-competing 'undesirable' bacteria (such as filamentous bacteria which can cause problems in sewage works); they formed into robust colonies despite harsh environmental conditions; they degraded their "food" more rapidly and, crucially, they could withstand biocides at up to 200 times the concentration sufficient to kill the same "free-floating" bacteria and fungi.

By 1988 companies across Europe were being set up to market these "Biofixations" and expand the product development effort.

In 1990 Symbio was launched in the UK at a time when the research had increased to take "Biofixations" into several new areas such as degrading specific industrial wastes, decontaminating urban lakes and ponds, and cleaning up polluted soils.

At this stage, the research team now had a store of industrially useful strains of bacteria and fungi which they were able to "Biofix" and target particular environmental problems. The list of effective strains which they could 'fix' was also growing all the time.

Figure 1

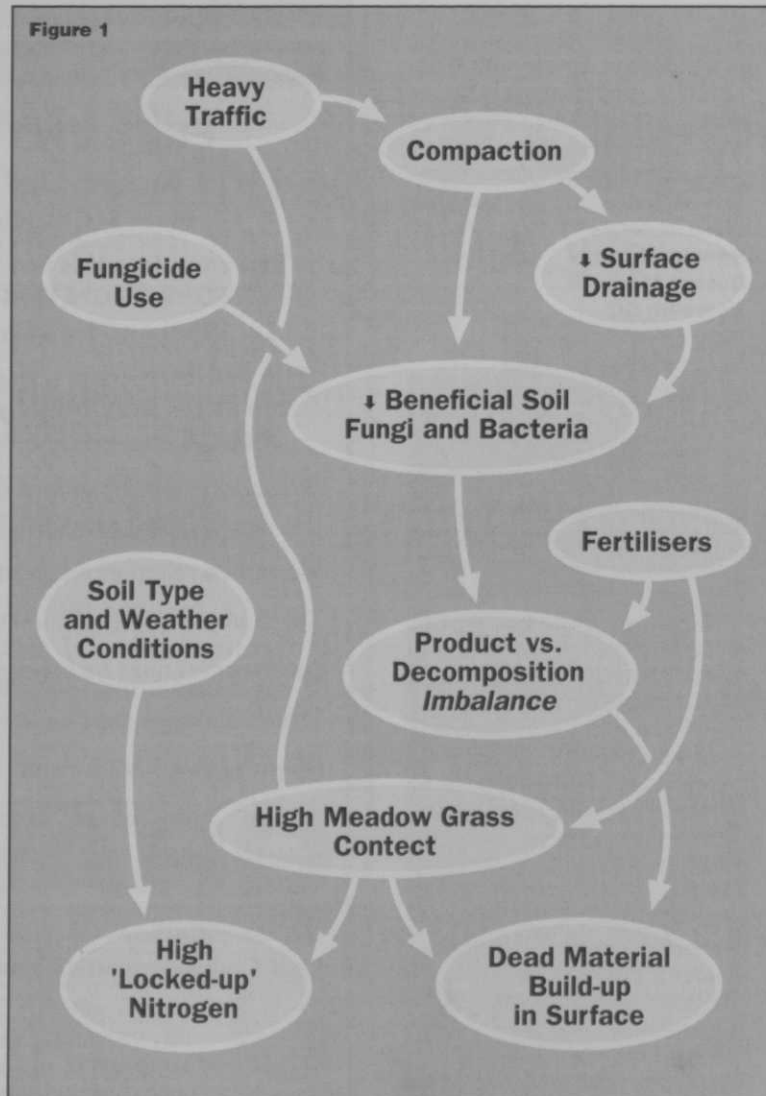
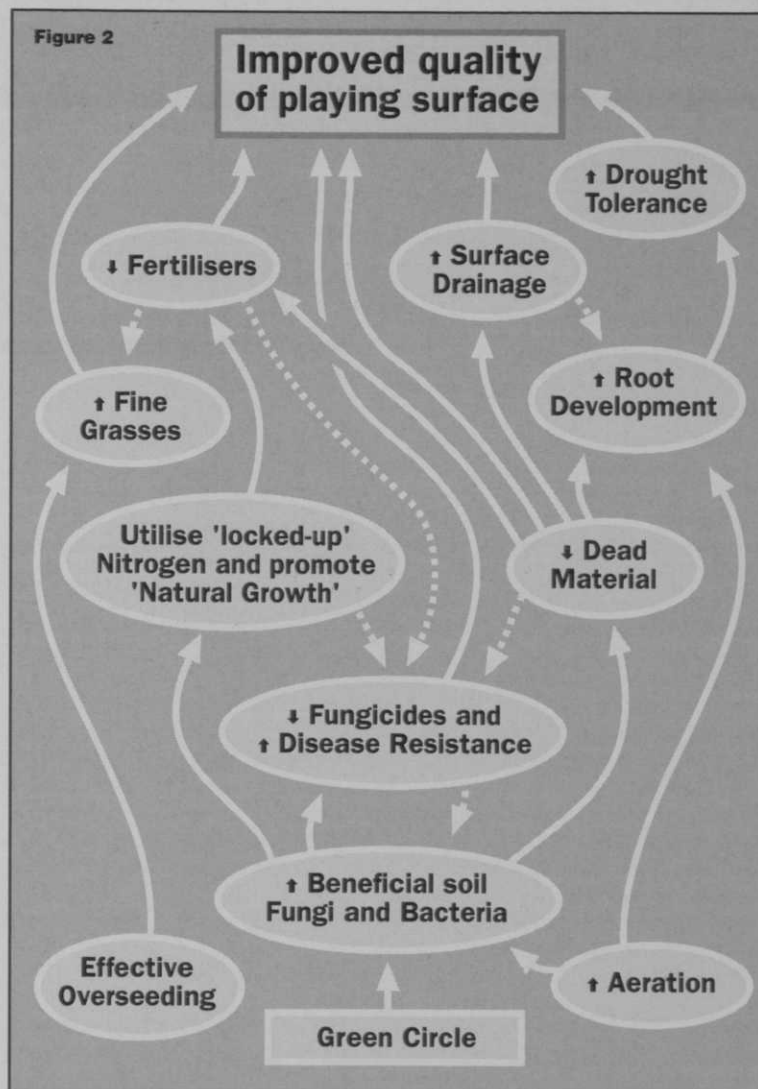




Figure 2



#### Biological approach

Following field trials in France Symbio was ready in 1992 to launch its "Biological Approach to Sports Turf Management" with the first version of "Green Circle" – a cocktail of microbes chosen for their ability to:

- Break down cellulose (the main component of thatch) releasing the stored nutrients
- Break down soil organic matter, releasing this nutrient source
- Help supply nutrients to plant roots and
- Compete against and suppress certain disease-causing fungi.

The selected micro-organisms were mixed together with the appropriate starter nutrients and trace elements and were "Biofixed" to protect and enhance their performance in "difficult" environments. Green Circle was originally developed to fit into the greenkeeping scheme of things as outlined in Figure 2.

To follow the diagram began at the bottom. Translate the arrows as "leads to" or "helps with". E.g. increasing soil bacteria and fungi "leads to" reduced dead material, this "leads to" or "helps with" improving root development and increased surface drainage which "help with" improving the playing surface.

The dotted arrows show a kind of "positive feedback" e.g. reducing dead material and "feeding it to the grass", (thereby reducing the requirement for artificial fertiliser inputs) can lead to reduced incidence of disease and therefore reduced fungicide use. Here we have a way of attempting to break the vicious cycle described earlier which can lead to organic matter build-up and fungicide-dependence.

Ongoing product development has produced a range of biofixation products and "bug-boosting" cocktails, and because Symbio was now leading the research and application, manufacturing was moved from France to the UK in February '96.

#### An "environmental perspective"

What line of thinking made the original research team come up with the idea for the Biofixation process? It can really be best described as an "environmental perspective".

They looked at the environment that they were putting their "bugs" into, decided what "environmental factors" were making life difficult and tried to minimise their effects by protecting their "bugs".

Of course the way to get the best results is

to improve the environment which you are putting them into as much as possible, e.g. if they need good aeration, try to improve this, if they need certain trace elements, add these, and if certain chemicals which kill them can be avoided, avoid using them or reduce their use, where possible.

Dr Alan Gange's article 'Getting to the Root of the problem' (*Greenkeeper International*, June) highlights research showing mycorrhizal fungal infection of roots appreciably lower on greens than on neighbouring aprons. At one course he also found a bacterial population 1/4000th of that expected on healthy soils.

What are the "environmental factors" in these rootzones which could be responsible for the observed differences? The list could include: compaction and soil porosity; drainage, aeration and moisture levels; levels of organic matter, cation exchange capacity, pH, levels of iron and other metals, levels of sulphur, soil nutrient status, fungicide use, other trace element levels.

Greenkeepers are already looking at these factors in relation to their known direct effects on grass plants, but as we increasingly accept the reliance of healthy plants on a healthy soil full of microbial life, we are increasingly looking at how these factors and others affect the life in the soil (and thus how they indirectly affect the plants).

#### Available oxygen

For example adequate aeration is well known to be of crucial importance to both plant roots and beneficial soil micro-organisms.

Take the situation of soft thatchy greens on soil root-zones – drainage is slow and the thatch layer easily becomes saturated with water.

The greenkeeper tailors his cultural practices to give maximum available oxygen in this thatch layer so that aerobic (oxygen-requiring) micro-organisms can break down the thatch.

He wants to avoid allowing the "environmental conditions" to develop where anaerobic bacteria take over. (These bacteria function without oxygen, turning available sulphur into hydrogen sulphide and available nitrogen into nitrite. Both of these compounds are toxic to plant roots and to aerobic bacteria.)

So, in addition to aerating and improving drainage to provide as much oxygen as possible, he must also think carefully before adding substances to this environment

which themselves require oxygen (i.e. reduce its availability) or provide sulphur (e.g. sulphate of iron, most fertilisers and organic feeds).

Clearly these substances are vital to greenkeepers, but all products need to be used at the right time and under the right conditions.

#### "You can't fight nature"

Bacteria were among the first living things to colonise the earth, followed not long after by multi cellular fungi. Plants were on the scene long before the very simplest animals.

Ancient associations are often found in nature in which different organisms cooperate to their mutual benefit (a term called Symbiosis). The relationship between some of the fungi and plant roots explained by Dr Gange in June's *Greenkeeper International* can be so close that the fungi themselves are difficult to study in isolation because they are hard to culture away from their "host" plant.

So, over many millions of years of evolution, certain bacteria, fungi and plants have evolved to benefit one another in soils. Any good greenkeeper will tell you that you can't fight nature – h will always win. If you manage your grass and ignore aspects of its nature (such as what is growing all over its roots and in the surrounding soil it inhabits) you will miss something important and nature will make your job more difficult.

■ Guy Longshaw BSc is Technical Manager Sports Turf and Water of Symbio. Tel: 01372 456101 Fax: 01372 456099.



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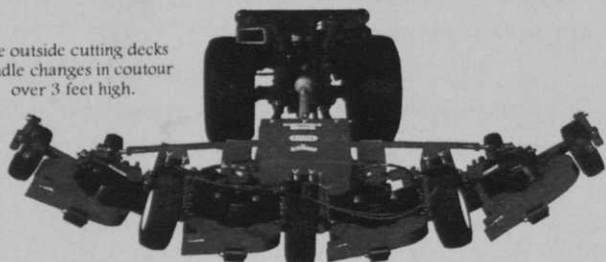


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Wednesday January 22  
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Thursday January 23  
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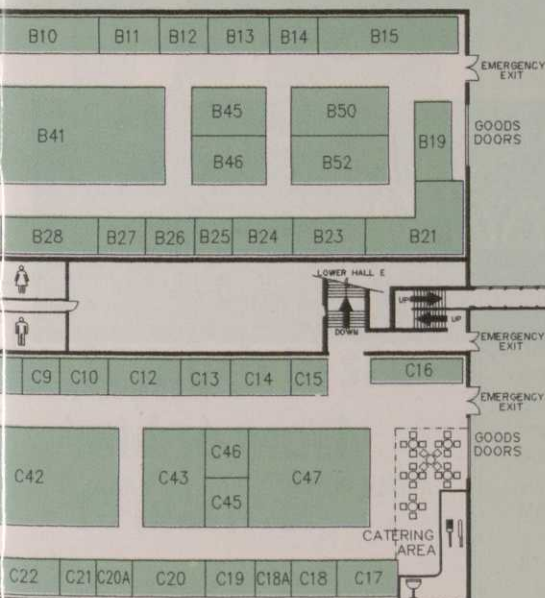


# BTME97

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## HALL B



## HALL C

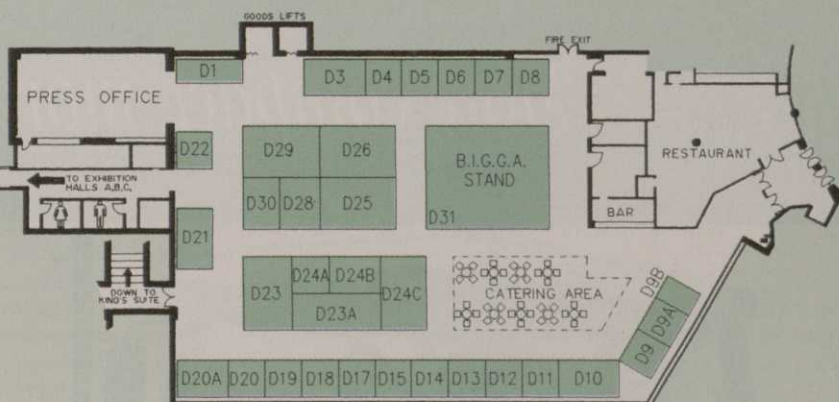
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## So much to see and so much to learn...

On behalf of the British and International Golf Greenkeepers Association it gives me great pleasure to welcome you to the Harrogate International Centre for BTME '97.

As always our aim has been to build on the success of the previous year's show and we feel confident that, whether you are an exhibitor, a greenkeeper, a golf club official or a speaker, your time at BTME '97 will be time well spent.

What pleases us is that news of the success of BTME has reached so far afield that many of our delegates and exhibitors come to Harrogate from outside the United Kingdom.

Our overseas visitors know that when they come to BTME they will enjoy a friendly welcome and learn much to take back home to their own country.

More than ever BTME offers something for everyone.

**DEAN CLEAVER**  
Chairman of BIGGA

# Another record-breaker and a great week ahead

## HIGHLIGHTS

### BIGGA NATIONAL EDUCATION CONFERENCE

Monday 20 and Tuesday 21 January, The Majestic Hotel. Delegates arrive and register at The Majestic Hotel between 4.30 and 6.30pm on Sunday 19 January followed by dinner at 7.30 pm (jacket and tie must be worn). The conference is held over the next two days, when 14 speakers from six different countries will present papers on a variety of topics of interest to all greenkeepers.

### BIGGA WORKSHOPS

Monday 20 and Tuesday 21 January, The Majestic Hotel. Delegates arrive and register at The Majestic between 4.30 and 6.30pm on Sunday 19 January followed by dinner at 7.30pm (jacket and tie must be worn).

Workshop 1 will give delegates experience of designing a golf course complex (sorry, sold out), Workshop 2 will give delegates the skills and knowledge to conduct surveying and levelling procedures, Workshop 3 will cover communication with committees and Workshop 4, a one day workshop, on Tuesday 21 January will cover 'The Magic of Greenkeeping'.

### BTME SEMINAR PROGRAMME

Wednesday 22, Thursday 23 and Friday 24 January, The Kings Suite. Speakers from the USA, Sweden and the UK with subjects from Golf Course Design, Employment Law and the Rules of Golf indicate the range of speakers and subjects at the BTME Seminar Programme, which runs alongside the BIGGA Turf Management Exhibition. The Kings Suite is situated inside the Harrogate International Centre and is approached through Hall D.

### STRI CHAIRMAN OF GREEN/SECRETARIES' COURSE

Tuesday 21 and Wednesday 22 January The Crown Hotel. Delegates arrive and register at The

Crown Hotel between 8.30am and 9.00am on Tuesday 21 January. This course, presented by the Sports Turf Research Institute experts in agronomy, turf grass science, fertilisers and pesticides and a BIGGA Course Manager, introduces chairmen of green and golf club secretaries to the practicalities of golf course construction and management, types of soil, seed, pests, diseases, and pesticide legislation. It also includes a visit to the STRI trial grounds and laboratories and the BTME exhibition.

### FEDERATION OF EUROPEAN GOLF GREENKEEPERS ASSOCIATIONS (FEGGA) ANNUAL GENERAL MEETING

Thursday 23, January, The Majestic Hotel, 12 noon The first FEGGA Annual General Meeting will be held during BTME in the Majestic Hotel.

### BIGGA ANNUAL GENERAL MEETING

Wednesday 22 January, The Majestic Hotel, 5.45pm The BIGGA Annual General Meeting will be held during BTME. Membership cards must be produced to gain admission.

### SOCIAL PROGRAMME

The Exhibition Banquet on Thursday 23 January, at the Majestic Hotel, will be followed by a spectacular cabaret starring Bobby Davro, ably supported by a fabulous female vocalist, Laine Kennedy. The social programme also includes a conference dinner on 20 January with after dinner speaker Professor David Purdie, Dean of the University of Kingston upon Hull and a Karaoki Night on Wednesday 22 January.

### AND TO BOOK...

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





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## S P E A K E R P R O F I L E S



### Dr Marty Petrovic

Dr Petrovic has been Professor of Turfgrass Science at Cornell University since 1979 and his research includes golf turf soil science, the environmental fate of fertilisers and pesticides, irrigation management and the utilisation of organic wastes in turfgrass. He has written more than 200 scientific and popular articles on turfgrass management.

His talks are on "Understanding and Managing Compaction" where he will discuss how traffic on turf dramatically changes the ecosystem, and how to deal with the problem; and "Making the Most out of Irrigation" and how all too often irrigation is done without much consideration to the factors which are important in affecting the amount of irrigation required.

### Gordon Moir

Born in Fraserburgh, North East of Scotland Gordon began his career at Fraserburgh GC in 1976.

He became Head Greenkeeper at Fraserburgh before moving to St Andrews as Head Greenkeeper of the Eden Course under the guidance of Walter Woods, Links Superintendent. In 1993 Gordon also became responsible for the re-designed and reconstructed Balgove course, a 9 hole Children's/Beginners' course adjacent to the Eden Course.

He is a past North Section Secretary, Scottish Region Chairman and National Board Member.

His talk will be on how his staff landscaped the bankings of a pond from a hard stone face wall to something more environmentally friendly.

### Gordon McKillop

Gordon McKillop is a scientist with the Central Science Laboratory which is the main Ministry of Agriculture Agency involved in research into wildlife management and conservation. He has 20 years experience of conducting research into the rabbit problem, in terms of developing and assessing management techniques and of assessing the costs of rabbit damage. He also runs a training course for greenkeepers, in conjunction with BIGGA and the GTC, on wildlife management.

His talk will review the range of current management techniques available to control rabbits and discuss their cost-effectiveness and humanness. It will also include a discussion of new techniques which are currently being developed. This will include details of their likely cost-effectiveness and humanness and of how long it is likely to be before they are available for use.

### Gordon Witteveen and Michael Bavier

Gordon Witteveen is the Superintendent at the 45 hole Toronto Board of Trade course. He has been a Superintendent all his working life since graduating from the University of Guelph and is now into his 25th year at his current position. Gordon helped start the Canadian Golf Superintendents Association, and has served as Secretary and President. He was also on the Board of



James Duncan



Peter Jones



Gordon Moir



Gordon McKillop

the GCSM in America. Gordon is an avid writer and has published many articles on golf and greenkeeping. He is currently completing a book on greenkeeping which is being co-authored by Michael Bavier.

Michael Bavier started his greenkeeping career in his native Minnesota. He is graduate from Penn State College and has been Superintendent at the Inverness Golf Club near Chicago for almost 30 years. Besides being very active in his local Mid West Golf Superintendents Association, Michael also served as president of the GCSM.

Their workshop is on "The Magic of Greenkeeping".

### James Duncan

James Duncan is a practising golf course architect and a keen observer of classic golf course architecture. Educated in Copenhagen, Denmark, he holds a masters degree in civil engineering. Authoring his degree thesis on the subject of low-cost golf course construction, he carried out research for this work at the department for Landscape Architecture at Cornell University in New York, noted for its contributions to golf course architecture and turfgrass science.

During and after his studies James apprenticed in the golf industry first in Scotland, and subsequently in the United States with American golf course architect and golf writer, Tom Doak. While in America James was awarded a post-graduate Donald Ross Society internship.

He returned to Scotland in '96 to establish his own golf course design company, he is currently involved in golf course design projects both in Scotland and further afield.

His talk analyses some of the basic principles of minimalist golf course architecture and demonstrates how they can be put to use. It presents examples of classic golf courses which employ simple means of design to provide exciting and enjoyable golf, and which can be maintained without requiring a second mortgage on the clubhouse.

### Peter Jones

Peter Jones has encompassed a wide spectrum of

experience and hands-on expertise within the golf course industry during the last 23 years.

A background in course construction soon progressed to greenkeeping and course management with a further opportunity to train in America in the late '80s arranged by Jack Nicklaus golf services.

He formed Peter Jones Associates two years ago and is now independently involved with a small number of clubs where he advises on course improvement, management programmes and the training of existing staff.

He will be accompanied during the workshop by Drew Barlow RICS, of DB Surveys, who is experienced in golf course survey works.

### Bryan Griffiths

Bryan Griffiths is a golf architect and founder of Golfconsult International Ltd. He has served over 200 golf developer and investment clients in 44 countries and has designed over 50 courses. A regular speaker at Seminars in Europe and the Pacific Rim he is also on the Law Society's Register of Expert Witnesses in England and Scotland.

He is currently designing golf courses for clients in Scotland, England, France and Malaysia.

He has also pioneered both a well-tested systematic golf venture appraisal system and the application of photogrammetry techniques to golf design and environmental impact.

His talk is about the launch of new golf courses and explains how most major mistakes are made at the outset

### Terry Buchen

Terry Buchen is a Master Greenkeeper and currently Director of Agronomy for The Legends Group, based in Williamsburg, Virginia.

He is a contributing editor to *Golf Course News* writing a column "The Savvy Superintendent" and is an Advisory Board Selection panelist on *Golf Digest* magazine for all rating contests.

A third generation superintendent he serves on the USGA Green Section Committee and has grown-in 11 courses in the USA.

He is talking twice, on the brief history of the bunker looking at drainage techniques, proper construction and maintenance and on grow-in philosophies when he will explain the fastest and the best way to renovate a green or a tee.

### David Roy

David Roy served his apprenticeship at Taymouth Castle in Perthshire before becoming an assistant at Royal Burgess Golfing Society in Edinburgh.

From there he moved to his current club, Linlithgow, halfway between Edinburgh and Glasgow, where he is Course Manager.

His talk centres of how he has introduced conservation and environmental practices at Linlithgow and how he was able to convince the members that it was the correct way for the club to move.

### Norbert Lischka

Norbert Lischka is the Course Manager at Hamburg Falkenstein GC in Hamburg, Germany, and moved into greenkeeping having worked as a mechanic and farmer. He has worked on three different golf courses in the last seven years.

He will talk on ecological management over the last 10 years on German golf courses.

### Robert Bardwell

Robert Bardwell, Course Manager, for Euro Golf Green, is English but has worked in Europe since 1989 and for the last five years he has been building golf courses in Germany, Poland and France. He has recently returned to course management as Course Manager of Wiesloch GC, in Baiertal, Germany.

His talk "Is it greener over there?" will encompass the environment, conditions, people, advantages and disadvantages, costs and the differences in day-to-day maintenance.

### Brin Bendon

Brin Bendon is a management training consultant and Director of Vector Training, with a background in behavioural sciences. In recent years he has been heavily involved in BIGGA's acclaimed Management and Regional Management training courses.

An enthusiastic walker and climber he has recently returned from a climbing trip to the Himalayas.

He presents a workshop on Effective Communications - Presenting to Committees.

### Mark Broughton

Mark Broughton is Course Manager at Morecambe GC and the newest Master Greenkeeper, having qualified in the middle of last year. He has been at Morecambe for nine years having previously been at Filton GC and an assistant at Royal Lytham and St Annes, where during The Open this year he was presented with his Master Greenkeeper blazer.

He talks on "How Green is Greenkeeping" what the future might hold for the game. Areas covered will include habitat provision, machinery, irrigation, organic standards and pesticide use.

### Bob Taylor

Bob Taylor is the STRI's ecologist and is the author of *Ecological Management of the Golf Course* published last year. He has also been heavily involved in the production of the new ecology video which is launched at BTME.

He will talk on Golf Course Construction and Management: An ecological Perspective.

### Dr Alan Gange

Dr Alan Gange lectures in Environmental Biology at Royal Holloway, University of London and his research interests include the interactions between insects and fungi, mediated through changes in host plant physiology.

In conjunction with the Ministry of Agriculture



he has recently conducted a pesticide usage survey of golf courses which has highlighted the pest and disease problems faced by greenkeepers in the production of high quality turf. He spoke at last year's Education Conference and he returns this year to talk on "Biological Methods for Pest and Disease Control in Golf Turf".

The talk will address some of the biological methods which may be employed to enhance the health of grass in golf greens.

#### Gerry Southgate

Gerry Southgate is Service Manager for Ransomes Sims and Jefferies and is responsible for the technical support of the Ransomes/Cushman/Ryan products world-wide outside of the Americas and Canada.

In the course of his work he has visited golf courses and talked with superintendents, greenkeeping staff and mechanics in the USA, Canada, Australia, Singapore, Indonesia, Korea, Japan, South America and much of Europe.

His talk "Full Time Golf Course Mechanic - Where's the Justification?" will include an outline of some of the differing maintenance requirements for the increasingly sophisticated machinery in use at the average golf course and look at the way this is normally achieved and the involvement and relationship between the greenkeeping staff, machinery dealer and manufacturer.

#### Dr Paul Miller

Paul Miller is a lecturer in greenkeeping at Elmwood College in Scotland and designed the rootzone for the 'new 18 hole' course at the college. He has worked as a technical representative for British Seed Houses and as a technical advisor for Grass Technology International Ltd involved in soil testing and agronomy.

His talk on "Rootzone testing: Theory and Practice" will explain some of the theory of particle size distribution in rootzones, how they can be achieved in practice and how it was achieved during the construction of Elmwood College's newly constructed course.

#### Grant Moir

Grant Moir is the Assistant Secretary (Rules) of the R&A having been a member of the R&A staff since '94. He was promoted to his present position in January '96.

His talk will outline the role of the R&A in terms of the Rules of Golf and using a video he will discuss incidents involving well known professional golfers.

#### Ken Siems

Ken Siems is Course Manager at the acclaimed Loch Lomond course, in the west of Scotland, which hosted the Loch Lomond World Invitational on the European Tour last year.

Based on his work at the course he will talk on "Drainage: Unplayable to Playable".



Terry Buchen



David Roy



Gordon Witteveen



Bryan Griffiths

#### Patrick Goldsworthy

Patrick Goldsworthy is Market Resources Manager for the British Agrochemicals Association. Among his work experience he has managed the family firm in Devon and worked for ICI Fertilisers. Within ICI he became Technical Services Manager before moving to the BAA in '91.

His talk, on Pesticides on the Golf Course - Labelling and Stewardship, will discuss how the sale and continued use of pesticides, which used on golf courses account for about 1% of UK pesticide sales, depends on the user and their stewardship of the product.

#### Howard Swan and Simon Gidman

Howard Swan is a golf course architect and member of the British Institute of Golf Course Architects. He has worked in the field for almost 25 years, having followed his father into the business, and has worked on nearly 300 projects.

Simon Gidman is also a member of BIGGA, and his interest in golf course architecture developed during his time as golf professional at Gerrards Cross GC, Sandy Lodge GC, Crowborough Beacon GC and Sonning GC. He has worked on projects in Ireland, Portugal, France, Belgium, Cyprus, Bali and Turkey.

Howard and Simon return for a second year to run their popular workshop on Golf Course Design and Construction.

#### Susanne Lindstrom

Susanne Lindstrom is Course Manager at Partille GC, just outside Gothenburg, in Sweden. She is a Board member of the Swedish Greenkeepers Association and her greenkeeping career has moved on far better than her playing of the game. She gave up, sold her golf clubs and told her club that she no longer wished to be a member the day after her first round! "I thought golf was the most ridiculous game ever."

She will talk on "Lady in a Man's World" and how there are differences in being a woman but that the differences are positive.

#### Helen Lindelof

Helen Lindelof is the Course Manager at Ingaro

GC, near Stockholm, in Sweden which has two 18 hole courses, one 35 years old and the other five years old. Helen, who has 12 years in greenkeeping under her belt, is the wife of Tommy Lindelof the Executive Director of the Swedish Greenkeepers Association.

Her talk, "Education Makes the Head Greenkeeper", will discuss how the well being of the modern golf club depends on the club realising that education is a wise investment and not an unnecessary cost they can avoid.

#### Bruce Williams

Bruce Williams is the current President of the GCSAA - and Captain of the winning Americas Hayter International Cup team.

He has been Superintendent at Bob O'Link GC, Illinois, since 1979. He has been a member of the GCSAA for 19 years and has been on the Board since 1991. He holds a bachelor's degree in English and is also a graduate of Michigan State University's turfgrass management programme.

His talk is on Global Links; Associations sharing information for better greenkeeping world-wide.

#### Larry Gilhuly

Larry Gilhuly is Western Director, Greens Section with the USGA. He became Seattle GC's fourth superintendent in its 75 year history having been assistant superintendent for eight years, and six weeks later was chosen for his current position. He currently visits courses in Alaska, Hawaii, Idaho, Oregon, Washington, British Columbia and Wyoming and he is responsible for turf visits to Arizona, California, Colorado, Nevada and Utah.

He will talk on Annual Blue Grass from the view of pest or friend and look at new poa annua varieties. He will also talk on Great Expectations outlining the top ten responses to a golfer survey conducted in Washington.

#### David Ansell

David Ansell is Course Manager at The Dyke GC, near Brighton and he will talk on Looking Beyond the Trees on the subject of downland conservation.

#### Institute of Agriculture Engineers

The IAE will talk on Maximising Cost-Effectiveness of Machinery. Choosing the correct tyres for the job, new developments in machine and implement control and machinery purchase and maintenance decisions.

#### David Burton

David Burton is a partner with solicitor's Kirby's the firm which administers BIGGA's Legal Help Line. His speciality is employment law and he has already been involved in helping several greenkeepers win unfair dismissal tribunals.

His talk will be on the Legal Helpline and legal representation.



## Guess who in BIGGA staff quiz!

★ Can you work out who each member of staff is from these cryptic clues

1. But for the addition of a son would have joined a famous family.
2. Shares a name, but not the talent, of a famous English amateur golfer.
3. Her name is in a great many diaries.
4. She should, by rights, have a parrot.
5. Could have had an alternative career appearing in children's locomotive books.
6. John McCarthy felt like this person when he was finally released from captivity.
7. Let your fingers do the walking on the alternative directory which shares this person's name.
8. The informal and phonetic version of this person's surname could have seen him appearing in Dock Green.
9. Shares a name with a Leeds United footballer.
10. It wouldn't be hard to guess which country this person comes from.

Choose From:

Neil Thomas, Sami Collins, John Pemberton, Amanda Freeman, Louise Lunn, Pauline Thomson, Janet Adamson, Scott MacCallum, James McEvoy and Ken Richardson.

Answers on page 65.



**Walk this way**



**...don't miss anything in the SHOW of the year!**

## M J ABBOTT LTD

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

M.J. Abbott Ltd offer a range of specialist services to the golf and leisure industry. State of the art techniques together with fine workmanship ensure quality and efficiency throughout the company. M.J. Abbott Ltd concentrate their activities in the field of land drainage and irrigation. Recognised as one of the top companies in the UK offering Rain Bird Irrigation Systems, water sourcing, distribution, construction, maintenance and landscaping complete the range of services provided. Illustrated examples of the types of projects undertaken will be on display with technical staff on hand to answer questions and advise as required.

## ADAS

Stand No. D23A  
Sunny Bank, Yarpole, Leominster,  
Herefordshire, HR6 0BA  
Tel: 01568 780427, Fax: 01568 780519  
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 the Agencies unique expertise for golf course development and management throughout the UK. Examples of recent projects will be on show including new courses, extensions, remodelling and clubhouse construction. Details of the practical and customer friendly ADAS Golf Course Management Scheme now in its fourth year will be available together with particulars on our sports turf research facilities, aerial photography unit and laboratory services.

## 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 '97 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 Bassett

Allen Power Equipment will be exhibiting their full range of power equipment suitable for use by golf clubs. This includes the new National 70" hydrostatic triple mower C/W collection boxes. Allen petrol hover mowers and brush cutters plus walkover sprayers. Also shown will be the new ascender barrow which not only transports loads but lifts them as well. The full range of Echo power equipment will also be shown including brush cutters, blowers, chainsaws and hedge cutters. The popular long handled hedge cutter model HCA 2400 will also be on the stand.

## ALLETT MOWERS LTD

Trevithick Road, Corby NN17 5XY  
Tel: 01536 268950, Fax: 01536 201856  
Contact: David Allett

Allett Mowers will be displaying the Shaver and Tournament fine cut mowers for golf and bowls greens and cricket wickets. The Tournament features a power driven brush for the ultimate finish. The Gazelle and the award winning Buffalo complete the range of pedestrian equipment. Tractor drawn equipment will include the Ranger ground driven gang mowers.

## AMENITY LAND SERVICES

Stand No. A10  
Long Lane, Wellington, Telford TF6 6HA  
Tel: 01952 641949, Fax: 01952 247369  
Contact: Ivan Toon

ALS supply and advise on the use of a wide range of turf related products and services, i.e. pesticides, fertilisers, 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 breathe fresh life back into golf courses, with ALS organic systems.

## AMENITY TECHNOLOGY PRODUCTS LTD

Stand No. C40  
The Clock House, 286 Kings Road, Reading,  
Berkshire, RG1 4HP  
Tel: 0118 9510033, Fax: 0118 9510044  
Contact: Stephen Wells

These days obtaining the perfect playing environment is a never ending job. With products becoming more and more technically based the market has become a minefield of jargon. Let Amenity Technology help to cut through the confusion, by supporting our product with

technical information rather than blinding you with science. Our products are tried and tested throughout the world where they have been proven in a variety of climatic conditions. Once you have perfected your turf why not complement it with some of the best golf course equipment from Canada and Sweden.

## ANCHOR INDUSTRIES EUROPE

Stand No. D9B  
Unit 1, Airport Executive Park, Luton LU2  
9NY Tel: 01582 400630, Fax: 01582 401939

Aqua-Vive: Biological Water Clarifier "Are your water hazards really hazardous?" Prevent algae bloom: remove surface scum: get rid of suspended solids and bottom sludge. Eliminate odours. All these by applying only one product: Aqua-Vive. A natural biological process for converting organic wastes into water and harmless, odourless gases. Completely safe for humans, animals, birds, fish, aquatic life, plants, and the environment. Takes minutes to apply using water soluble sachets directly into the body of water.

## ASKHAM BRYAN COLLEGE

Stand No. D12  
York YO2 3PR  
Tel: 01904 772277, Fax: 01904 772288  
Contact: Nick Bisset/Steve Prinn

Askham Bryan College is the BIGGA recognised regional centre for greenkeeper training. In addition to our established NVQ Level II and III programmes, run on block release, we offer turf options on the National Diploma in Horticulture and Golf Management options at Higher National Diploma level. Successful completion of the HND can lead to our one year BSc Honours degree in Land Management and Technology.

## ASSOCIATION OF GOLF CLUB SECRETARIES

Stand No. D8  
7a Beaconsfield Road,  
Weston-super-Mare B23 1YE  
Tel: 01934 641166, Fax: 01934 644254  
Contact: Ray Burniston

The Association has over 2,000 members most of them resident in the UK. Through its head office it provides support to its members by means of: information library, monthly journal, training course and seminars, regular business meetings at region level, (there are now 18 regions within the UK), liaison with other golfing and non golfing bodies. It has recently formed 'The Institute of Golf Club Management' which will be the vehicle used to provide qualifications and training.

## ATTERTON & ELLIS LTD

Stand No. A7  
Iron Works, Hamlet Road, Haverhill,  
Suffolk, CB9 8QH  
Tel: 01440 702312, Fax: 01440 7121138  
Contact: Rod Mayes

**Fortiva**  
APPLIED SEED TECHNOLOGY



SEE US ON  
STAND D29  
AT BTME

**Muswell Hill's Cream Tees**

Moulded out of intractable London clay, Muswell Hill GC currently suffers from tees that are far too small to cope. "After rain, they become very greasy," explains head greenkeeper, Mick Sherris. "Any re-seed doesn't stand a chance, and can be lost if we cut too early."

Last spring though, Mick was persuaded to try some Fortiva treated seed by Kings Horticulture. He found it gave him the time needed to keep tees in good shape and playable.

"It is very fast to germinate, establishes within 10 days and quickly knits-in. We find we can cut it three times a week without the fear of mowing out."

"Fortiva also allows us to bring into play areas on some tees that have not been used for years knowing they will recover quickly once re-seeded."

The golfers also play their part and are becoming used to using divot boxes. Regulars notice the speed with which the Fortiva seed works. "I have even had members asking where they can get hold of 'that green seed' for their own lawns," says Mick.

for further information and details of your nearest distributor, contact

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# Every club should have a professional like this!



The Hayter FM514 is a purpose-built 5-gang mower that's equal to the challenge of any course. Since no two golf courses are the same, the FM is designed to adapt. Unique 26" floating heads follow the ground contours closely for a superb finish.

Ground holding is gentle but firm. Wide front axle, broad tyres and variable weight transfer system give traction with minimum turf or soil damage.

And behind it all is the sheer power of a Kubota 35hp engine. With 'on-demand' 4-wheel drive transmission and differential locking you have total mastery.

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STAND C42  
AT BTME

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*Every club should have a professional like this!*



## GUIDE



The Express Dual & Anglemaster 2000 Mower Sharpening System will be demonstrated during the Show. See the most widely used and versatile mower maintenance machines and find out why Atterton & Ellis are the largest UK supplier of sharpening machines to golf clubs, local authorities and commercial dealers worldwide. New For BTME '97 will be upgraded versions of both ED2000DX and AM2000DX models, each having improved CR guarding and storage features making these the most user friendly machines available. Built-in dust extraction for the Express Dual is another new feature to be exhibited at Harrogate.

### AVONCROP AMENITY PRODUCTS Stand No. B7

Northfield, Station Road, Sandford,  
Nr Bristol  
Tel: 01934 820868, Fax: 01934 820546  
Contact: David Padfield

Avoncrop Amenity Products based near Bristol continue their commitment to the Amenity market with the opening of their new depot at Bracknell, Berkshire. Strategically placed to serve greenkeepers and groundspersons in the London and Home Counties with a quality range of chemicals, fertilisers, grass seed mixtures, top dressings and golf course sundries readily available for delivery or collection. The company motto "Where service counts" forms the basis of its success to date with a highly qualified technical sales staff. A wide range of products from the industry's leading manufacturers to choose from, a first class delivery service and a pleasant company to deal with. Please visit our stand where our hospitality and technical expertise will be at your disposal.

### BANKS/FENTURF DRESSINGS Stand No. C18

Angel Court, Dairy Yard, High Street,  
Market Harborough, Leics, LE16 7NL  
Tel: 01858 464346, Fax: 01858 434734  
Contact: Tim Banks

Banks Horticulture products and Fen Turf Dressings Ltd manufacturers and suppliers of materials for golf course construction and maintenance will be showing their wide range of topdressings, rootzones, divot mixes and bunker sands. Of special interest this year will be two new products, the new soil-less topdressing Fendress Greentop and turf humus for fairway and sports-field dressings. Our products are available from depots in the Midlands, East Anglia and our latest, being on the Hants/Sussex border to serve London and the southern counties.

### 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

At BTME 1997, Barenbrug will be proudly displaying several of their high scoring varieties on

the STRI\* Seed List for 1997 as well as introducing some new varieties and mixtures. Barcrown, the superior slender creeping red fescue will be sporting its new record breaking score of 9 in the shoot density category. Barcrown has proved second to none for close-mown and low-maintenance use, such as lawns, golf fairways and landscaping. Making its debut at the show will be Baroxi, a new chewing fescue, suitable for fairways. All these cultivars are exclusively available in the BAR range of amenity grass seed mixtures.

\* The Sports Turf Research Institute at Bingley, Yorkshire.

### E P BARRUS LTD Stand No. C8

Lawnton Road, Bicester, Oxon OX6 0UR  
Tel: 01869 363615, Fax: 01869 363600  
Contact: Annette Gann

Barrus will be exhibiting the new VICTA two in one 160cc 2 stroke Mulch or Catch. With its unique four winged blade, it directs cut grass into the centre of the mulching charger. Also on display will be the new Bluebird Turf Cutter with unique 4 wheel drive allowing excellent manoeuvrability. Easily operable, with two cutting speeds, and a low centre of gravity for greater stability. Barrus will show the new Bluebird Lawn Seeder with its amazing 'slice and insert' technology for seeding and the mighty 3 cylinder Yanmar LD18 Grass Tractor, with 48" cutter deck and optional clam or three bag grass collectors.

### BETTER METHODS - EUROPE Stand No. B34

Brantwood House, Kimbealby Road,  
Parkstone, Poole, Dorset, BH14 8SQ  
Tel: 01202 740142, Fax: 01202 722300

Better Methods are showing their range of popular turf care hand tools and equipment for the maintenance of fine turf. Special tools for golf courses include the famous Turfmaster Golf Hole Cutter, the official USGA Stimp Meter for measuring and regulating green speeds plus levellawns, turf repair tools, samplers, the Bray Seed Slotter, dew switches etc. Accessories include tee markers, bunker rakes, signs, golf ball washers, barrier chains and posts, white lining strip etc.. The innovative FMW weather suit with its special and unique features allowing greenkeepers to keep dry and work in comfort in all weathers is also on display on Stand B34. Call and collect a catalogue.

### BIGGA NORTHERN REGION Stand No. D17

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

Contact: Bob Lupton

Meeting point for Northern Region 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.

# Watermation

## IRRIGATION SYSTEMS

Since 1970

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landscape industry

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# we venture a little further



## **FREE** SOIL ANALYSIS SERVICE

The essential starting point of any fertilizer programme should be the assessment of a soil's nutrient status, before any feeding begins. The free 'Longlife' Soil Analysis Service is carried out by independent laboratories of international standing. Up to six samples can be measured for pH, phosphorus, potassium and magnesium levels. A detailed report of all results is produced along with a recommended yearly fertilizer programme.



## **FREE** CONTAINER DISPOSAL SERVICE

The disposal of empty pesticide containers puts a major responsibility on the user, both environmentally and financially. Miracle Professional offer the only real option for the 90s. On their behalf Envirogreen Limited, a Professional Registered Waste Disposal Contractor, will collect and dispose of all Miracle Professional (Zeneca Professional Products) labelled empties on the U.K. mainland, in full compliance with legal requirements.

**MIRACLE** PROFESSIONAL  
Helping customers to help themselves



# Supa

SPORTS & AMENI

## Memo

To:  
From:  
Date:  
Subject:

The Head Greenkeeper  
The Greens Committee Chairman  
Friday  
Primer 604

Rolling Meadows  
Golf Club

Head Greenkeeper

Have you seen this new brochure from Supaturf?

This Primer 604 sounds incredible – just look at the endorsements from the best greenkeeping professionals in the business. Now they have extended the range and there is a new technology product for each situation where you need to use a wetter. I know that I haven't been fully on your side about these sorts of products, particularly in light of the comments made by the consultant we called in a couple of years ago, but all of these senior professionals can't be wrong.

With money so tight these days, I think that we have got to get the best from every maintenance product we use and I am convinced that you can't get better than Primer 604 and the new products that Supaturf have added – they really have this area fully covered.

It seems that we need to use these products as part of a planned maintenance programme to get the best year round playing conditions on the course. I know that the course has played wonderfully over the last couple of years, but I would like you to look into these new products as a matter of urgency.

Greens Chairman

# PRIMER<sup>®</sup>

Matrix Flow Soil Surfactant





# Supa

SPORTS & AMEN



## Memo

To:  
From:  
Date:  
Subject:

The Greens Committee Chairman  
The Head Greenkeeper  
Saturday  
Primer 604

Rolling Meadows  
Golf Club

*Mr. Chairman*

Thanks for the note on Primer 604.

I am on to this already, don't worry!

We have used Primer 604 for the last 2 years, that's why the course is looking and playing at it's best.

This year I am moving on to an all year round programme and, when I am at the BMTE exhibition in January, I will find out more about the new product, Aqua-Doc. It looks to be just what we need to cover all situations. Supaturf are really impressive. They have so much trials data from all around the world and golf courses have been using Primer 604 for a couple of years now, with staggering results. I am confident that their products do what they say they do – believe me a rare thing with wetters. People claim all sorts these days but we need proven performance – there is too much at stake.

I do need to see you soon to revise our maintenance budget for next season, because as the course is in such good condition we are finding that we need to use less chemicals and fertilisers to keep things at their peak. I am confident that every penny we spend on water management saves us more in other areas. I want to put more money aside to improve our machinery and I am sure that now, thanks to Primer 604, we can do it without increasing the budget.

For your interest, I have sent you the Supaturf video about water management products. It explains everything you need to know. All my staff have seen it and we have used it during our weekly training meetings.

*Head Greenkeeper*

# Introducing for 1997...



To:  
From:  
Date:  
Subject:

**Memo**  
John Walker  
Henry Creighton-Lewis  
Monday  
Primer 604



*John Walker*

Thanks for the video; what a fascinating subject and how clearly the video explains the technicalities. I almost feel knowledgeable now.

I am delighted that you already use Primer 604 and that you will be attending BTME in January. I am sorry if I suggested that you may not be up to speed on this amazing range of products and important new technology.

I was a little concerned that we might make the same mistakes as they have done down the road at Lush Meadows Golf Club. Did you know that there was no grass on their fairways last year and their greens were covered in that patchy problem. Now they are having to carry round a patch of artificial turf to play off on the fairways – outrageous! Members are up in arms and all hell has broken loose. Just think only a few short years ago they were the best course in the county.

I hear that they don't use wetting agents and think that they are a waste of money. Also, their assistant green keeper has had enough. He is a good man; we might be able to use him now that our membership is increasing so fast?

Once again, sorry for doubting you, old boy. I look forward to our budget meeting next week.

*Henry Creighton-Lewis*

**THE NEW GENERATION**

**RAPID RECOVERY**

**LOCAL TREATMENT**

**TURF SURFACTANT**

**AQUA** *Doc*®

*From the makers of Primer 604*



To:  
From:  
Date:  
Subject:

## Memo

The Greens Committee Chairman  
The Head Greenkeeper  
Saturday  
Primer 604

Rolling Meadows  
Golf Club

Henry Creighton-Lewis

Thanks for the meeting yesterday. It was great to talk in such detail about our needs.

I have arranged the additional training sessions with the extra budget you approved and the lads are looking forward to it. You don't know just how much this has boosted their confidence.

I had a visitor yesterday from a magazine who want to feature our course. Apparently, they played here towards the end of last season, and they rated it the best in the county and possibly in the whole region.

This is great news as it will increase our profile all the more and give a real boost for the lads and, of course, our members.

Thanks for all your support.

John

Sup

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Matrix Flow

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Water needs effec



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ITY PRODUCTS

**MER**® **604**  
Soil Surfactant

To:  
From:  
Date:  
Subject:



**Memo**  
The Greens Committee Chairman  
The Head Greenkeeper  
Saturday  
Primer 604

**Rolling Meadows  
Golf Club**



*My dear John*

I can't tell you dear boy, just how pleased I and my committee are for your team and our wonderful golf course.

Come round to the Manor House for drinks tomorrow I have been thinking about the future and I have lots to talk about with you.

There's no time to waste now.

Onwards and upwards.

Yours as ever

*Henry*

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**Look at what your fellow professionals say about it ...**

**Ken Barber**  
(Course Manager)  
- East Sussex  
National Golf Club

**1st Year**

"Primer 604 has greatly reduced labour costs due to less hand watering and has reduced the dry patch on the greens."

**2nd Year**

"I have used Primer 604 liquid and spreadable for a second year. It has enabled me again to keep labour cost, hand watering and dry patch to a minimum. As a user and within my consultancy role I would not hesitate to recommend Primer 604."

**John Philp (Course Manager) - Carnoustie Golf Club**

**1st Year**

"We have had excellent results from Primer 604 during our summer spraying programme on both the Championship and Burnside courses. It out performs all previously used products."

**2nd Year**

"The continued use of Primer 604 for a second year has enhanced our belief with its performance on our greens. The results we get are excellent. We used it in the build up to the Scottish Open in 1995 and will definitely be using it between now and the Open Championship in 1999 and beyond that. Primer 604 has become an automatic choice for me. Excellent results out performs all of the products. Primer 604 is on a different level than all other wetters they do not seem as safe to use compared to Primer 604."

**George Brown (Golf Course & Estates Manager)**  
- Turnberry Hotel Golf Club

**1st Year**

"I do not normally get excited about new products but I must admit that the results we have had from Primer 604 have been outstanding in this difficult year. Having done trials on our championship course, we had fantastic results and I will be using it on all other areas of the course in the future."

**2nd Year**

"Two years ago we used Primer 604 as a trial with a new product the results were so good it has now become part of our normal maintenance programme, it is now automatic practise to use Primer 604."

**Mr Paul Crouch**  
(Head Greenkeeper)  
- Puttenham Golf Club

**1st Year**

"In only half a season's usage, I have noticed marked reductions in my dry patch. I would highly recommend Primer 604."

**2nd Year**

"After using Primer 604 for a second year I am more that pleased with the reduction of dry patch on my greens, it will certainly play a major part in my 1997 programme."

**Kim Kirkham**  
(Head Greenkeeper) - Sherwood Forest Golf Club

**1st Year**

"Using on a monthly programme we were delighted with the results. We will use Primer 604 again next year."

**2nd Year**

"I am so impressed with the results of Primer 604 on my greens, I am seriously considering using it on my fairways. It has become part of our maintenance programme for the future."

**Mr Adrian Porter (Head Greenkeeper)**  
- Greatham Valley Golf Club

**1st Year**

"Very easy to apply - the best wetting agent used on sand based greens."

**2nd Year**

"In our second year of using Primer 604 we now have greens that are free of dry patch. Buying the 210 Litre container we get great value for money as well."

**Lee Shaw (Course Manager)**  
- Ansty Golf Club

**1st Year**

"After applying Primer 604 there was a remarkable improvement in the greens."

**2nd Year**

"Our greens have continued to be free of dry patch. I am still very pleased with the results of Primer 604."

**Frank Kempster (Course Superintendent)**  
- Glen Gorse Golf Club

**1st Year**

"My greens this year are much better after using Primer 604. The dry patch has been reduced by 75%."

**2nd Year**

"Using Primer 604 in our regular maintenance programme, we get great results. This is our second year now and we are very pleased with our greens."

**Graham Arnold (Head Greenkeeper)**  
- Erewash Valley Golf Club

**1st Year**

"The best wetting agent on the market - I found it does what it promises."

**2nd Year**

"In the first year of using Primer 604 I said it was the best wetting agent on the market. I found it does what it promises. In the second year nothing has changed my opinion about Primer 604."



**John Wells (Course Manager)**  
Brocket Hall Golf Club

**1st Year**

"It is the best wetting agent I have ever used."

**2nd Year**

"Primer 604 is still producing excellent results. There has been no dry patch for the second year of it's use on these modern sand based on greens and it will be part of my management programme for 1997."

**Chris Pearson (Head Greenkeeper)**  
- Murcar Golf Club

**1st Year**

"Drought conditions are a thing of the past and dry patch problems are no more - thanks to Primer 604."

**2nd Year**

"By using Primer 604 now for the second year I feel the whole course has benefitted from it. We have not had any dry patch problems here since we started on our Primer 604 Programme."

**Richard Watthew (Head Greenkeeper)**  
- Lyneham Golf Club

"I have used Primer 604 for two seasons with very good results. I will certainly incorporate it in my 1997 programme."

**Fred Cappels (Head Greenkeeper)**  
- The Hertfordshire Golf Club

"Using Primer 604 on my greens has given me total control of dry patch. With good overall results, and the ease of application, I will certainly use it in my 1997 programme."

**Mick Woods (Head Greenkeeper)**  
- Hadden Hill Golf Club

"I have only applied Primer 604 on a couple of occasions in 1996. Even from this, I have seen the results on my greens, and will certainly use Primer 604 within a monthly programme for 1997."

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- ❖ Premium performance
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- ❖ Does not burn
- ❖ No watering in

- ❖ Fast Soil Penetrant
- ❖ Use with irrigation systems
- ❖ Effective for wide area applications
- ❖ Use in conjunction with a Primer 604 programme as required
- ❖ Budget effective performance
- ❖ Does not burn
- ❖ No watering in



*There is no need to look any further*





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Schillerstrasse 11, D-72144 Dusslingen, GERMANY

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TEL: 00 33 5 49 84 58 30  
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Z.I. des Piniers, BP 32  
86320 Lussac Les Chateaux, FRANCE

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## BIOSEED/SUSTANE

Stand No. D9  
Unit 17A Wincombe Business Park,  
Shaftesbury, Dorset  
Tel: 01747 852771, Fax: 01747 850266  
Contact: David Smart

Bioseed Probiotic products have been developed to provide turf managers with the ability to supply the precise nutritional requirements of both soil micro biological systems and healthy plant growth. Examples of Bioseed's unique soil and tissue testing service and products will be on display. Sustane has made a major commitment to integrated turf management and the research required to support it. Years of test data clearly show that regular applications of Sustane fertilisers/soil builders add the humus and beneficial soil microbes required to increase a soil's nutrient and water holding capacity, cation exchange capacity, nutrient availability and microbial activity. Research has also proven that Sustane increases disease suppression, improves turf grass quality and colour.

## BLAZON EUROPE

Stand No. A34  
Pulchrins Barn, Holybread Lane, Little

## Walk this way



### ...don't miss anything in the SHOW of the year!

Baddow, Chelmsford CM3 4DD  
Tel: 01245 222750, Fax: 01245 222755  
Contact: Richard Fry  
Information on a major industry initiative awaits the visitor to the Blazon stand at this year's BTME. BIGGA and manufacturers of Blazon have cooperated to provide head greenkeepers with a valuable spraying aid specifically designed to promote safer more effective spraying. In addition to learning how to obtain a free spray management aid, visitors will receive information on other promotions and how they can win for their club a brand new Hardi spraying machine or one of ten Cooper Pegler Series 2000 knapsacks. Blazon, since its launch in 1990 has established itself as the undisputed first choice spray pattern indicator.

When added to the spray solution Blazon provides greenkeepers and groundsman with a simple, inexpensive answer to the effective, efficient and economical application of sprays onto turf and landscaped surfaces.

## BLEC LANDSCAPING EQUIPMENT CO LTD

Stand No. C36  
Blec House, 73 Riverside, Deeping Gate,  
Peterborough PE6 9AR  
Tel: 01778 3422829, Fax: 01778 341098  
Contact: Gary Mumby  
Blec will be launching some new products for 1997 at the BTME show, including a tractor mounted and pedestrian stone picker for the golf course construction market. Also slit type overseeders, both pedestrian and tractor mounted, and a pedestrian turf cutter with automatic chop off. Blec will also be exhibiting their popular uni-seeder and pro-seed overseeding machines, and will have experienced staff on hand to answer any queries and look forward to seeing both existing, and new customers.

## BOUGHTON LOAM LTD - TURF MANAGEMENT SYSTEMS

Stand No. C38  
Telford Way, Kettering NN16 8UN  
Tel: 01536 510515, Fax: 01536 510691  
Contact: Mike Franklin

Will be demonstrating the advantages of pre-germinated seed and spray-on-grass together with our full range of root-zones, turf dressings, bunker sands and allied products. We look forward to seeing old friends and new on stand C38.

## BOURNE AMENITY

Stand No. C15  
John Bourne & Co Ltd, Newenden, Cranbrook, Kent, TN18 5QG  
Tel: 01797 252298, Fax: 01797 253115  
Contact: Dick Reid  
After an excellent '96 Bourne Amenity will again be at BTME to show the products that they have developed including topdressings, rootzones and Redtrak pathway material. Also Bourne Amenity Services will be present showing the various drainage and construction projects they have completed last year. Many golf courses and local authorities have had Geoblock grass protection system installed by Bourne Amenity and have had excellent results when 'invisible

## how hard is your bunker?

### Perma-Soil Stabiliser

Perma-Soil stabiliser is a proven soil additive that dries, strengthens, and bonds soil into usable backfill. It minimises subsidence of restored excavations and potholes. It can even hold utility poles in position. Perma-Soil stabiliser increases strength 3 to 16 times more than untreated soil, while retaining original size and shape. Use it for a wide variety of applications to save both time and money.

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Waterline breaks turns wet soil into usable backfill within minutes. Trenches and excavations - minimises settling of backfill.

### How is Perma-Soil Stabiliser applied?

As soil is excavated, add Perma-Soil stabiliser to the backfill. While your crew makes repairs, your backhoe operator can turn the backfill to mix properly. Place the mixture back into the hole in 6-to 8-inch layers, tamping each layer as you go.

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## R.J. & J. CAMPEY

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**...don't miss anything in the SHOW of the year!**

strength' has been required on such things as fire access lanes and over spill car parks on green areas. You can see Geoblock and talk to technical staff on the stand. For further information visit Stand no. C15 or contact Bourne Amenity on 01797 252298.

#### BOYD GOLF COURSE ACCESSORIES

Stand No. A39  
67 Gray's Hill, Bangor, Co. Down,  
Northern Ireland, BT20 3BB  
Tel: 01247 471163, Fax: 01247 471136  
Contact: Alan Boyd/John Boyd  
Boyd Golf 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 golf accessories on show will include the new "Elite" holecutter both long and short handled, the Combination Hole Cup Puller, Setter, Trimmer, which combines three tools in one, along with many other tools and accessories of interest to greenkeepers. Call and see us on Stand A39, all will be welcome.

#### BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION

Stand No. D31  
Aldwark Manor, Aldwark, Alne, York YO6 2NF  
Tel: 01347 838581, Fax: 01347 838864  
Contact: Neil Thomas  
BIGGA welcomes all visitors to Harrogate once again. The Association is delighted to be organising the event which in its ninth year has developed into the largest indoor turf exhibition throughout Europe. 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. Be sure to pick up your

copy of Greenkeeper International which has a circulation of 9,600 worldwide – 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 OF GOLF COURSE CONSTRUCTORS

Stand No. D5  
Contact: Jonathan H. Franks  
37 Five Mile Drive, Wolvercote,  
Oxford OX2 8HT  
Tel/Fax: 01865 516927  
The Association have an interesting display of photographs covering the various golf courses that have been constructed by members during the past eighteen months. Constructor members are currently building eight new golf courses designed by various golf course architects both in the UK and Europe. They are also actively involved in various course alterations to existing courses. Members will be available during the show to answer any queries concerning the construction and maintenance of golf courses.

#### BRITISH OVERHEAD IRRIGATION LIMITED

Stand No. C17  
Upper Halliford Green, Shepperton,  
Middlesex, TW17 8SB  
Tel: 01932 788301, Fax: 01932 780437  
Contact: Gerry Wilkins/David Jones  
A comprehensive range of golf course and sports ground irrigation equipment will be displayed by British Overhead Irrigation Limited on their attractive stand at C17. You will be sure of a warm welcome from our experienced staff who will be on hand to discuss any aspect of irrigation technology and application that is of interest to you.

#### BRITISH SEED HOUSES LTD

Stand No. A12  
Bewsey Industrial Estate, Pitt Street,  
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Tel: 01925 654411, Fax: 01925 230682  
Contact: Roger Saunders  
Catering for the demand for top quality golf greens, tees and fairways is British Seed Houses, with a range of grass seed mixtures and cultivars to choose from. On display is Providence Creeping Bent which has high STRI ratings. In addition to providing good colour throughout the year, Providence also has an outstanding shoot density which gives a strong dense turf with an even texture. It has much shorter growth than other cultivars and is extremely fine leaved.

#### BRITISH SUGAR PLC

Stand No. A13  
York Sugar Factory, P O Box 17, York YO1 1XF  
Tel: 01904 790531, Fax: 01904 528204  
Contact: Philip Cock  
British Sugar Topsoil is derived from prime arable soils. It is friable, of low stone content,

and analysed to BS3882. It is ideal for use in landscaping and land reclamation projects, landfill sites restoration, bank construction and renovation, sports turf and amenity areas applications. Specialist advice on use and applications is available.

#### CANNINGTON COLLEGE

Stand No. D19  
Cannington, Nr Bridgwater, Somerset, TA5 2LS  
Tel: 01278 652226, Fax: 01278 652479  
Contact: Mr N Rigden  
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 Cannington, why not come and talk to us on our stand (D19) at Harrogate.

#### CAPRARI PUMPS (UK) LTD

Stand No. D10  
Caprari House, Bakewell Road, Orton,  
Southgate, Peterborough  
Tel: 01733 371665, Fax: 01733 371607  
Contact: Jane Broughton  
Caprari Pumps are exhibiting a comprehensive range of clean water pumps which have been designed specifically for use in both indoor and outdoor irrigation applications. The HVX range of vertical multistage pumps provide high efficiency quiet and smooth operation. Caprari are exhibiting borehole pumps from their extensive range available which includes models from 4"-24". The DM series of waste water pumps are on display and suitable for handling and transferring drainage or contaminated water. Also on display for the very first time is the Unico Multi-pump Control incorporating Caprari Multistage Pumps providing variable speed/constant pressure control with full system protection.

#### CHARTERHOUSE TURF MACHINERY LTD

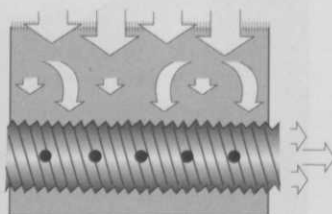
Stand No B50  
Weydown Industrial Estate, Weydown Road,  
Haslemere, Surrey GU27 1DW  
Tel: 01428 661222 Fax: 01428 661218  
Contact: David Jenkins  
Two new Verti-Drain machines will be announced at the 1997 BTME. These two new models replace the existing popular Verti-Drain and the best selling greens Verti-Drain. The two new models are both faster over the ground than the previous machines and can be operated without creep gearboxes being fitted to the prime mower. The re-design of these machines has been specifically focused on providing the

## SubAir eats black layer.

SubAir is the revolutionary system of green aeration that has a unique ability to make a modern construction green "breathe".

A high volume airflow in the drainage system draws fresh air deep into the root zone and purges the gases that cause black layer. All without disruption to the playing surface. Simple but effective.

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Greenkeeper and Groundsman with an excellent finish to their turf after the shatter tining process. Both machines will be on view on Stand No B50 where members of Charterhouse and Redexim staff will be pleased to show customers the new and unique feature which make these machines the best deep tine aerators in the world.

#### CLEVELAND SITESAFE LIMITED

Stand No. B26  
Park Farm, Dunsdale, Guisborough,  
Cleveland, TS14 6RQ  
Tel: 01642 475009, Fax: 01642 471036  
Contact: Irvine Weston  
Cleveland Sitesafe Limited manufacture and supply a wide range of highly secure movable storage and accommodation units for chemicals, tools, fuel, equipment and personnel.

#### CLUB-CAR CARRYALL

Stand No. B45  
Lely (UK) Ltd, Station Road, St. Neots,  
Huntingdon, Cambridgeshire  
Tel: 01480 476971, Fax: 01480 216167  
Contact: P Mansfield/D Cole  
Club-Car will be showing their Carryall I & II utility vehicles powered by a quiet and efficient 9 HP petrol engine with a 48 volt electric option available. Their roomy 14.6 cu ft. pick up bed gives unrivalled carrying capacity, while the flat-bed model gives even more cargo space at 21.5 cu ft. Heavy duty front bumpers and tyres, a trailer hitch and Club-Car's all aluminium chassis, impact resistant and rust free Armourflex body come as standard. Because every job is different a full range of operational extras are available to suit all requirements.

#### CMW EQUIPMENT CO

Stand No. A21  
3 Priory Way, Coggeshall, Essex, CO6 1PW Tel:  
01376 5622569, Fax: 01376 563183  
Contact: Mick Moss

CMW, one of the leading manufacturers and suppliers of golf course furniture, tools, safety and work wear will be showing an extensive range of products. These will include the new cast aluminium ballwashers available with either spiral or plunger action, an extended range of flag pins incorporating all types of flag fittings and ferrule sizes. We will also be introducing additions to our popular range of Safety & Work Wear. Come along to Stand A21 where you will receive a warm welcome and maybe pick up a bargain or two.

#### COOPER PEGLER

Stand No. A4  
4-5 Watling Close, Sketchley Meadows  
Industrial Estate, Hinckley, Leics, LE10 3EX  
Tel: 01455 233811, Fax: 01455 233815  
Contact: Nick Wood  
Cooper Pegler, the long established spraying equipment manufacturer, part of the Hardi Group have on display their full range of Hand

Held Gronspray 1.5-6 ltr, Knapsack 2000 Series and Classic Range 15-20 ltr, Compression Coated and Stainless Steel 5-10 ltr, Professional Wheelbarrow/towed 100-300 ltr and the all new 12 volt Multipurpose 30-250 ltr skid units.

#### COUNTY CROPS - AMENITY DIVISION

Stand No. B23  
Agromy House, 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.

#### COURSE CARE

Stand No. C16  
Parkway House, Worth Way,  
Keighley, BD21 5LD  
Tel: 01535 611103, Fax: 01535 611546  
Contact: John Wood  
Course Care welcome your workshop related enquiries. Course Care 30' application in engines, hydraulics and gearboxes is increasing its popularity across the UK. Environmental services are available for removal of chemical packaging, oil, filters and other items. Vivusol CA2000 fuel treatment is being launched at the show to eliminate exhaust fumes from all machinery. Another debutante is Green Concept wetting agent - possibly the most cost effective wetting agent on the market. See the high pressure, high temperature, highplex grease - great value at a sensible price. On offer is a complete bonded fuel tank installation at last year's show price of £999.

#### COURSE WEAR

Stand No. A14  
Parkway House, Worth Way,  
Keighley BD21 5LD  
Tel: 01535 611103, Fax: 01535 611546  
Contact: John Wood  
Course Wear offer a full range of clothing and footwear for turf maintenance. Foul-weather wear with safety features are on display. The Course Wear range provides maximum comfort for the wearer within a sensible budget. Insulated boiler suits, waterproof safety boots, safety wellingtons and body warmers can all be seen on the stand together with polo shirts, sweat shirts, jackets and trousers. In addition, Course Wear can personalise most items with the name of the club and the wearer's name and position. Improve your profile, make your course more secure, project a corporate image.

#### EAGLE PROMOTIONS LIMITED

Stand No. D30  
Eagle House, 1 Clearway Court,  
139-141 Croydon Road, Caterham, Surrey  
Tel: 01883 344244, Fax: 01883 341777  
Contact: Philip McInley  
Eagle Promotions offer a comprehensive range of products. From certified course measurement and tee signs through to score cards, yardage books, green fee tickets, members bag tags, event and leader boards. 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.

#### ELMWOOD COLLEGE

Stand No. D18  
Cupar, Fife KY15 4JB  
Tel: 01334 658910, Fax: 01334 658918  
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  
The National Golf Centre, The Broadway,  
Woodhall Spa, Lincolnshire, LN10 6PU  
Tel: 01526 354500, Fax: 01526 354020  
Contact: Karen Manning  
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 1820 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.

#### ERIC HUNTER GRINDERS LTD

Stand No. C29  
Hobson Industrial Estate, Burnopfield,  
Newcastle upon Tyne NE16 6EB  
Tel: 01207 270316, Fax: 01207 270312  
Contacts: Eric and Michael Hunter  
Hunter Grinders will be demonstrating their Jupiter and Juno precision mower grinding machines which are proving popular with golf courses anxious to save maintenance costs and improve grass cutting standards. Hunter machines are market leaders in the technique of accurate 'relief angle' grinding cutting reels. This

method of grinding has become widely recognised for improving the performance of grass cutting machinery and by reducing friction, takes the load from engines and transmissions. Bed knives last 3-4 four times longer with longer intervals between adjustment and it eliminates the 'tram-lining' or 'stripping' syndrome associated with tightly set blades and dry weather. Hunter machines grind reels and bed knives accurately on the same machine eliminating the need for a separate bottom blade grinder. They are also water cooled to suppress dust and overheating of blades. The majority of mowers can also be ground 'in-situ' if required. A visit to Hunter's stand would certainly be interesting, educational, save money and could give the greenkeepers more job satisfaction.

#### ETESIA UK LTD

Stand No. B52  
Unit 12 Hiron Way, Budbrooke Industrial  
Estate, Warwickshire, CV34 5WP  
Tel: 01926 403319, Fax: 01926 403323  
Contact: Robin Taylor  
New at BTME the Attila 80 ride-on brushcutter tames the roughest areas including gentle slopes and keeps vegetation under control. When it comes to wild flower areas, woodland paths and infrequently mown sites on golf courses, there is nothing to beat an Etesia mower. Etesia's Hydro 100 cuts and collects all types of grass, long or short, wet or dry. In autumn they are ideal for leaf collection. Fitted with a brush they will keep car parks and paths tidy. Amongst Etesia's Viva and Pro ranges of pedestrian rotary mowers there is a model suitable for all types of terrain and conditions.

#### EUROPEAN TURFGRASS LABORATORIES LTD

Stand No. D6  
3 Cunningham Road, Springkerse,  
Stirling FK7 7SL  
Tel: 01786 449195, Fax: 01786 499195  
Contact: Ann Murray  
European Turfgrass Laboratories Ltd was established by a number of the Country's leading independent Turfgrass Agronomists in February 1996. The laboratory undertakes a wide range of tests for sportsturf and golf course facilities including PH, nutrient analysis, particle size analysis and USGA root-zone testing procedures. The laboratory has applied for accreditation to the United States Golf Association which is likely to be granted in early 1997. For further details please contact Mrs. Ann Murray on 01786 449195.

#### FAIRWAY CREDIT

Stand No. D7  
Premium Credit Ltd, The Kirkgate,  
Church Street, Epsom, Surrey  
Tel: 01372 748833, Fax: 01372 748811  
Contact: Mary Simpson  
Fairway Credit is a flexible and simple facility for the payment of membership/joining fees



From the original "Picnic on the grass"  
by Manet 1862-3.

To stand the  
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you need  
a special  
quality.

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**BARENBRUG**

33 Perkins Road,  
Rougham Industrial Estate  
Bury St Edmunds, Suffolk IP30 9NW  
Tel: 01359 270766 Fax: 01359 271021



Until you've had a few scorching hot summers, the odd attack from pests or plague and a chance to calculate maintenance costs, the wisdom of your seed selection will never be known.

That's why you need the Barenbrug promise of quality.

By combining the best of tradition and technology we've created some of the best varieties around - Barclay, Bargreen, Baruba and the exciting new Barkoel and Barlinda - making them available in a range of quality mixtures that takes the guesswork out of selection.



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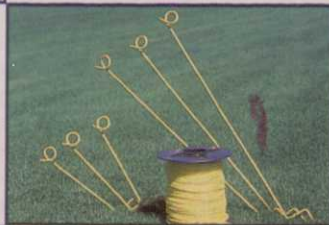


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- Tee Markers



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- Rope
- Chain
- Posts/Stakes
- Hazard Markers



- Flags & Flagpins
- Hole Cups, Hooks, Setters
- Targets

- Litter Caddie
- Switches
- Hole Cutters



STANDARD GOLF (UK) LTD  
20B BUCKINGHAM AVENUE, SLOUGH,  
BERKSHIRE SL1 4QA  
TELEPHONE: 01753 537410  
FACSIMILE: 01753 534661

PRICES DOWN ON MOST ITEMS FOR 1997  
FOR SPRING OFFERS VISIT OUR STAND No. B36



monthly by direct debit. We have a unique facility which offers a simple solution to the annual problems associated with the collection of membership fees and ensures minimal formality at renewal. Annual membership/joining fees are fully funded and settled directly to the club. Our complete 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 748811.

#### FARM AND GARDEN MACHINERY LTD

Stand No. C22

Red Hill House, Hope Street,  
Saltney, Chester

Tel: 01244 671166, Fax: 01244 674499

Contact: Paul Butterly

SHIBAURA. We will be exhibiting SHIBAURA diesel tractors and commercial mowers including the New Model CM354 with 35 hp out front rotary. The complete range starts with 16 hp ride on mowers. Then we have the S series with 20 – 30 hp multi purpose tractor with mid mounted deck. Out front mowers 22hp and the new 35 hp with many interesting features. Also 33 and 38 hp tractors with turf tyres.

#### FARMURA LIMITED

Stand No. A19

Stone Hill, Egerton, Ashford, Kent, TN27 9DU  
Tel: 01233 756241, Fax: 01233 756419

Contact: Lynette Harmer

Three new exciting products are being launched at BTME – giving you an additional three excellent reasons for visiting the Farmura stand no. A19. Farmura will also of course be exhibiting their full range of leading products for golf course use, all of which are either organic or sensitive to the environment. The company will be emphasising their Balanced Management Approach combining Cultural Methods, Organics and Synthetics together. Come and discuss Liquid Feed Programmes and how Farmura products can help you in 1997 and pick up literature on all our products. With a major product promotion being launched you can be assured of a warm welcome.

#### FEDERATION OF EUROPEAN GOLF COURSE ARCHITECTS

Stand No. D1

c/o BIGGA Merrist Wood House, Worplesdon,  
Guildford, Surrey

Tel: 01483 236035, Fax: 01483 236037

Contact: Howard Swan

The British Institute, together with the French Association and European Society, in representing the European Federation, will exhibit the range of services that are available to potential developers as well as existing golf facilities for professional golf course design. Members will be on hand to discuss golf course architecture, construction etc.

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#### FENCHURCH INSURANCE BROKERS LIMITED

Stand No. D31

17 Manor Row, Bradford,  
North Yorkshire, BD1 4PB

Tel: 01274 378400, Fax: 01274 392131

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.

#### FLOWTRONEX PSI LTD

Stand No. D24

Begonienweg 33,

Hamburg 22047, Germany

Tel: 69692390, Fax: 69692391

Contact: Martin Goulding

Flowtronex PSI Ltd, the golf industry's largest manufacturer of prefabricated pumping systems, combines the finest craftsmanship with the latest technology in producing the new standard in irrigation pumping systems. Whether you need a conventional system or the energy-efficiency of Variable Frequency Drive (VFD), vertical turbine or horizontal centrifugal. Flowtronex PSI will provide the most reliable and cost-effective system available. Flowtronex PSI Ltd, has recently introduced the EF Series fixed speed pumping systems. The EF Series systems are specifically designed for the smaller flowrate turfgrass irrigation market. The EF Series uses a conventional control configuration and vertical in line fixed speed pumps to provide smooth, efficient, and economical operation.

#### FORCE LIMAGRAIN LTD FORTIVA

Stand No. D29

The Old School, Fen Drayton,  
Cambridge CB4 5SJ

Tel: 01954 232020, Fax: 01954 232270

Contact: Simon Mitchell

A new and unique concept of applied seed technology that provides faster, better, grass establishments. Fortiva was introduced as a cost-effective means of ensuring good establish-

ment and rapid return to ideal playing conditions. Especially when renovation time is short or high levels of disease are expected. Fortiva produces more grass in a shorter time and even when the seedbeds and drainage are poor. Fortiva buys time for the turf manager.

#### 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

Garfits International, the sole distributor of Easy Rake equipment in the UK will be exhibiting the range of Easy Rake de-thatchers on their stand at BTME. A selection of the high quality original and pattern replacement parts, on which Garfits has built its reputation will also be on view. New to Garfits is a comprehensive range of high quality protective and work clothing, which meets both British and European safety standards. This, and the most comprehensive range of replacement parts for grass and turf care machinery in the UK are detailed in the new 1997 season catalogue, available from the stand.

#### GEM PROFESSIONAL

Stand No. B31

Brookside Lane, Oswaldtwistle,  
Lancashire, BB5 3N

Tel: 01254 356611, Fax: 01254 236775

Contact: Chris Nickson

Now that Sta-Brite Supplies have become integrated into the Gem Professional operation a comprehensive nationwide service is offered for the first time. The Sta-Brite name has been changed giving the company two divisions: Gem Professional (North) and Gem Professional (South). Our team of experienced representatives would welcome the opportunity to discuss your requirements for quality turf dressings and fine turf fertilisers. With spring approaching we would be particularly interested in showing you our range of high performance feeds; Super 1, Super 2, Golf Green 1 and Turf Tone + Iron, plus our highly rated Hi-Flier grass seeds.

#### GEOSYNTHETIC TECHNOLOGY LTD

Stand No. D9A

Nags Corner, Colchester CO6 4LT

Tel: 01206 262676, Fax: 01206 262998

Contact: Duncan Alexander

Geosynthetic Technology Ltd supply and install high performance corners to fully waterproof lakes, reservoirs, ponds and similar. The company's works – which are undertaken naturally – are covered by long term performance warranties. We welcome enquiries from greenkeepers looking to build a lake or reservoir 'from scratch' or seeking to refurbish an existing leaking pond.

#### GOLF CLUB MANAGEMENT

Stand No. D8

Harper Trade Journals, Harling House,  
47-51 Great Suffolk Street, London SE1 0BS

Tel: 0171 261 1604, Fax: 0171 633 0281

Contact: Steve Rankin

This is the only official journal of the Association of Golf Club Secretaries, published every month. The journal carries association news, 'Secretary at Work', articles on clubs, courses, and the many aspects of golf management, plus informative and entertaining news in the golf world. The invaluable AGCS handbook is published with the July issue, and the colourful 1998 wall calendar will be issued in November, to help golf executives plan their work and play. The secretaries and their captains receive 'Golf Club Management' automatically, but it is also available on subscription. Find out more about the magazine when you come to collect your free copy!

#### GOLF COURSE NEWS

Stand No. D24A

38 Lafayette Street, Yarmouth,  
Maine, USA 04096

Tel: (207) 8460600, Fax: (207) 8460657

Contact: Hal Phillips

Golf Course News, the news source for the golf industry, reports news and trends regarding the development, maintenance, management and supply of golf courses. A monthly US edition of GCN was launched in 1988. Since then, this four-colour tabloid newspaper has extended its coverage – first, to the East with GCN Asia-Pacific in 1993, and now worldwide with the January 1997 launch of Golf Course News International, circulated six times yearly to more than 15,000 golf courses in Europe, Africa, Asia-Pacific, Australia, Central and South America and Canada. Published by United Publications Inc. – headquartered in Yarmouth, Maine, USA – GCN now reaches decision-makers at more than 30,000 golf courses worldwide. Its readers are course developers, owners, general managers, architects, builders and superintendents/greenkeepers. GCN's seasoned editorial staff keeps readers informed via authoritative, accurate, concise reporting gathered from an international clearing house of golf industry contacts unrivaled in size and scope. Golf Course News also prides itself in being out front when it comes to reporting new course development, agronomic innovation and research, and product development.

#### GOLF COURSE SUPERINTENDENTS ASSOCIATION OF AMERICA

Stand No. D4

1421 Research Park Drive, Lawrence,  
KS 66049, USA

Tel: 001 913 8324435, Fax: 001 913 8324433

Contact: Don Bretthaver

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.

#### 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 GRASSROOTS TRADING CO LTD

Stand No. D24C  
 Unit 8 Carlo Court, Marino Way, Hogwood Lane Industrial Estate, Finchampstead, Berkshire, RG40 4RF  
 Tel: 0118 973 6600, Fax: 0118 973 6677  
 Contact: Jamie Bennett  
 The winners of the 1996 Lloyds Bank Small Business Award welcome you to their stand for what will be their second year at BTME. Situated in Hall D opposite the BIGGA stand you will find a friendly and informed welcome along with the largest and most diverse range of products/services available from one golf course supplier. Whether you're buying criteria focuses on quality, price or service or you simply wish to know what choices are available, come and pick up a brochure. Our success is your success.

#### J D GREASLEY LIMITED

Stand No. C20A  
 1152 Melton Road, Syston, Leics LE7 2HB  
 Tel: 0116 2696766, Fax: 0116 2696866  
 Contact: J D Greasley  
 John Greasley has had a very busy year having constructed over forty golf greens in 1996. The company which specialises in both alterations and new build has completed the construction of: twenty holes at the New Springs GC, Oxon; eleven hole extension at Deeside GC, Aberdeen; three holes at Gog Magog GC, Cambridge; four holes at Eastham Lodge GC, Merseyside. Replacement greens at Whittington Heath GC, Lichfield and Huyton and Prescot GC, Liverpool. Works being carried out include the construction

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of new championship Tees at Royal Birkdale and further works at the West Middlesex GC and the Leicestershire GC. For all your alterations see John Greasley on Stand C20A or telephone 0116 2696766.

#### THE GREENKEEPERS TRAINING COMMITTEE

Stand No. D3  
 Aldwark Manor, York, YO6 2NF  
 Tel: 01347 838640, Fax: 01347 838775  
 Contact: David Golding  
 The Greenkeepers Training Committee (GTC) staff will be available to discuss with employers and employees from golf clubs all the latest training options including the Modern Apprenticeship. The GTC is a registered centre for National/Scottish Vocational Qualifications (N/SVQ's) in Amenity Horticulture Levels 1-4 inc and a network of advisers, assessors and verifiers assist in the promotion of greenkeeper training and qualifications. Please call in and see us.

#### THE GREENKEEPING SUPPLY COMPANY

Stand No. A3  
 7 Mill Close, Roxwell, Chelmsford, Essex, CM1 4PG  
 Tel: 01245 248880, Fax: 01243 522969  
 Contact: Liam/Richard  
 The Greenkeeping Supply Company are recognised for their comprehensive range of good quality competitively priced tools/equipment/safety wear and cockleshells infact all equipment used on the golf course. We supply to over 800 golf clubs and local authorities. Once again

the Greenkeeping Supply Company look forward to being of service to all our customers old and new. You will find us in our usual place, stand A3 left of the main entrance.

#### GREEN-TECH

Stand No. B12  
 P O Box No. 1, Boroughbridge, York  
 Tel: 011423 324342, Fax: 011423 32444120  
 Contact: Richard Kay  
 Green-Tech will be displaying their extensive range of environmentally friendly turf and landscaping products, which is distributed promptly by our own transport throughout the Midlands and the North of England. On hand will be Richard Kay, Paul Moore and Melvyn Guy to answer any technical or product queries you may have. There will be samples of Martin Bros. top dressing and pathway material, Headland "Multi-Gro" resin coated fertiliser, Sharpes International Grass Seeds Designer Range, Tech-Guard mesh tree and shrub shelters, buckles and belting, Rainbow "Defender" tree shelters, Vita-grow fertilisers and PBI Amenity Range. We look forward to receiving customers, old and new, to discuss any requirements.

#### GROUNDSMAN INDUSTRIES LIMITED

Stand No. B21  
 The Mill, Seymour Street, Ballymoney, Co. Antrim, Northern Ireland, BT53 6JR  
 Tel: 012656 67049, Fax: 012656 66855  
 Contact: Billy Warke  
 Groundsman Industries, the specialist fine turf aeration company, display at BTME Harrogate '97 the very latest in their range. The new tractor and turf vehicle mounting model 8120 aerator will be on display featuring its 'Rolling Terrain' kit and a unique core gathering system. All models now feature the new box section tining arms giving greater strength for the more difficult compaction jobs. The three pedestrian models have operator comfort in mind with their new Flexi-handles fitted as standard. Six different Tine Holder combinations all interchangeable in

minutes make this impressive line up ideal for all aeration tasks in all seasons. Groundsman continues its policy of product development to offer all professional users the very best in aeration equipment.

#### HADLOW COLLEGE

Stand No. D15  
 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 & III. There is a sports turf management option 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 USPGA specifications. The College's links with the industry ensures the course 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: Bill Oliver  
 Hardi Ltd has established itself as a leading supplier to the industry, by developing a specialised range of Amenity sprayers. This range covers tractor mounted, trailed, de-mountable and skid units. In short we have a comprehensive range of products which is designed to meet the needs of the golf course, park or sports ground. By recognising the need for environmental controls, Hardi Ltd in association with Rogers Innovative are marketing the Windfoil Boom in mounted and pedestrian operated forms, also the Root Zone Injector. Hardi Ltd are also European importers for the renowned range of





Greencare aeration equipment. This range includes the Coremaster pedestrian and tractor mounted corers and the Shattermaster sub-surface aerator. Finally, Hardi Ltd are distributors for the Greens Iron range manufactured by Wood-bay Enterprises.

#### HAYTER LTD

Stand No. C42  
Spellbrook, Bishops Stortford, Herts CH23 4BD

Tel: 01279 7233444, Fax: 01279 600338

Contact: Barbara Garton

Hayter have been producing top quality grass cutting products for over 50 years without compromising on quality. On Stand C42 this is more than evident with the products on display for golf course and local authority markets. Launched at SALTEX, the new Triple Turf Mower the LT324 featuring a 4 wheel drive "on-demand" system, will make its first visit to BTME. The successful FMS14 Fairway machine now features an attractive cab and our pedestrian greens mower will show why this machine is fast becoming one of the most sought after greens mowers both at home and abroad.

#### HEADLAND AMENITY

Stand No. C19  
Norfolk House, Great Chesterford Court,  
Great Chesterford, Essex, CB10 1PF  
Tel: 01799 530146, Fax: 01799 530229  
Contact: Mark De'ath

Headland will introduce their new range of resin coated fertilisers for the first time at BTME. Multi-Gro fertilisers release N, P & K in a controlled manner over 5-6 months. Sustain-FC will also be on show - a slowly available granular iron. In addition Headland will be showing their broad range of liquid fertilisers, seamac range, adjuvants and liquid sulphur. Something for every club. Come and see for yourself.

#### HEPWORTH MINERALS AND CHEMICALS LTD

Stand No. B19

Brookside Hall, Sandbach, Cheshire CW11 4TF  
Tel: 01270 752700, Fax: 01270 752701

Contact: Trevor Leadbeater

Hepworth Minerals and Chemicals Ltd (HMC) produces under the brand name of Pro-Sport a comprehensive range of graded sands, root-zones and top dressings for application within the leisure industry. Pro-Sport root-zones are available as USGA, Premier Golf, Golf and Sports Pitch. A new product will be on display at BTME 97 - Pro-Sport Eco-Zone, made using a green waste (peat free) product. The new Pro-Sport Leighton Buzzard White Bunker sand will also be on display. Pro-Sport Top Dressing products will also be on display, including the new Pro-Sport Eco-Dress, which again uses the Green Waste technology to provide a peat free top dressing product for the industry.

#### HLD LTD

Stand No. B24  
The Old Shipyard, Gainsborough,  
Lincs, DN21 1NG

Tel: 01427 6118000, Fax: 01427 612867

Contact: Martyn Spence

HLD provide a total design and construction service for all forms of timber landscape and engineering structures. Products include low cost kit bridges, elegant large span footbridges, lake edging timers, pergola walkway, decks, shelters and fencing. All structures are fully guaranteed against decay and manufactured to the highest standards.

#### HUMATE INTERNATIONAL

Stand No. C27  
50A Market Place, Thirsk, North Yorkshire  
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, will also be featured. These are in liquid, granular and six ounce pellet forms. Also on show will be our Bio-System MS micro-organism

products which are now widely used by greenkeepers. They are applied with Humates to suppress disease and algae and to reduce thatch and anaerobic conditions such as black layer. Newly featured will be our HW pellets which contain micro-organisms for consuming hydrocarbon spills on greens. Liquid and granular Aquifer omnidirectional wetters for greens and other turf areas will also be introduced.

#### HUXLEYS GRASS MACHINERY LTD

Stand No. A32  
The Dean, New Alresford, Hampshire  
Tel: 01962 733222, Fax: 01962 734702  
Contact: Paul Huxley

New from Huxleys are the Soil Reliever Junior deep tine aerator and Groundforce 104 off-road transport vehicle. The 48" Soil Reliever Junior is a heavy duty machine for smaller tractors, and can aerate to 12" depth. Faster than competitors, it's ideal for greens and small to medium size areas. The Groundforce 104 has a 1500 lb payload capacity, automotive type transaxle, excellent traction and rugged construction. A low cost, economical "working vehicle". The Grainskeeper Greens Brush is used by golf courses throughout Britain for integrating top-dressings quickly and effectively, and to help produce faster, more even putting surfaces. Huxleys also manufacture and sell a wide range of grass maintenance machinery.

#### THE HYDROSCAPE GROUP

Stand No. C26  
Water House, 10 Carvers Industrial Estate,  
Southampton Road, Ringwood,  
Hampshire, BH24 1JS  
Tel: 01425 476261/2, Fax: 01425 472380  
Contact: Graeme Francis

The Otterbine range of water aeration equipment and floating fountain are being used increasingly on golf courses around the country. The range, distributed in the UK solely through The Hydroscape Group, is particularly geared to oxygenating and circulating water and has

proved to be the most cost effective long term way in which to tackle the causes, and not just the symptoms, of poor water quality. New Otterbine products for 1997 include the Tri-Star floating fountain/aerator and Otter Clear, which complements aeration and bio-augmentation, a process of introducing bacteria which improves water clarity, reduces pH and removes sludge from the pond bottom.

#### INDUSTRIAL POWER UNITS LTD

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

Industrial Power Units are exhibiting the SubAir turf aeration and drainage enhancement system. This unique approach to the process of aeration utilises the drainage pipes as a non disruptive access to the rootzone. The suction applied by SubAir allows the green to truly breathe. SubAir aids in control of moisture content within the rootzone and can accelerate surface drainage. IPU will also be showing the SubAir IPU2000 soil gas analyser. This valuable management tool displays and records the levels of important soil gases to monitor the effect of aeration and to give long range warning to the turf manager for potential problems

#### INSTITUTE OF GROUNDSMANSHIP

Stand No. D22  
19-23 Church Street, The Agora,  
Wolverton, Milton Keynes  
Tel: 01908 312511, Fax: 01908 311140  
Contact: Chris Costello

The IOG has maintained its highly accredited education scheme since 1953. The present format, recently reviewed, reflects the latest requirements in education whilst ensuring that modern techniques and skills, combined with ongoing research and development, are passed on to students through the demanding syllabuses of the IOG's Certificates and Diplomas. The IOG organises varying courses, throughout

Our newly-developed top quality grass variety is particularly suited to close mowing to give you the leading edge in preparing golf greens, tees, bowling greens and ornamental lawns.

New Mocassin, a slender creeping red fescue, gives superb disease resistance and high shoot density for a close-knit, even-textured turf which leads to a true run of the ball.

As part of our MM10 mixture, it offers fresh opportunities for variations in greens mixtures adding resilience to the turf.

For free technical advice on how you can take the lead with new Mocassin and our MM10 mixture, or for your nearest distributor, call the Mommersteeg Main Line on 01480 459500.

Number one seed.

**Mommersteeg**



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the British Isles in all subjects relating to the care and maintenance of sportsground and amenity facilities. These are usually held in spring and autumn but can be delivered on sites and at times convenient to individual clients.

#### INTURF LIMITED

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

Inturf, the most advanced and experienced company in the field of turf growing and installation have been responsible for the development of the revolutionary big roll and turf tile systems. More recently custom or prescription grown turf has been a major success for the company. Special projects ranging from turfing roadways to railway tracks, television work and top sports/leisure installations have enabled the company to dominate the market place. Inturf's products and associated systems will be on display and qualified staff will be in attendance during the exhibition.

#### JACOBSEN E-Z-GO TEXTRON

Stand No. C37  
 Jacobsen House, Telford Way, Kettering, Northants  
 Tel: 01536 417777, Fax: 01536 310245  
 Contact: Mark Osborne


Once again we will be exhibiting some of our extensive range of turf equipment including products from Jacobsen E-Z-GO, Graneley, Turfco and Smithco. We will also be able to demonstrate our CD Rom parts system to interested parties.

#### JOHN DEERE LIMITED

Stand No. C34/C35  
 Harby Road, Langar, Nottingham NG13 9HHT  
 Tel: 01949 860491, Fax: 01949 860490  
 Contact: Graham Williams  
 See the new RZ1 700 root zone injector and Aercore tractor-mounted aerator, the first such equipment John Deere has developed for the professional greenkeeper. In addition, the improved 3235A lightweight fairways mower is joined by its new stable mate the 3215A, making its debut at Harrogate. This provides a value for money entry machine for fairway mowing, available in 2WD with 5" diameter 7-blade standard cutting units. The latest 220 walk-behind greens mower is also on display. Roberine machines include the five-gang 1900 self-propelled fairways mower, 400 tees and surrounds cylinder mower and new 802 front mower with 1.5 or 1.8m rotary cutting deck.

#### 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

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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.

#### KAWASAKI MOTORS (UK) LTD

Stand No. C14  
 1 Dukes Meadow, Millboard Road, Bourne End, Bucks, SL8 5XF  
 Tel: 01628 851000, Fax: 01628 850886  
 Contact: James Houlton

With a well earned reputation for reliability and durability in the turf and ground care industries the Kawasaki range of Mule Utility Vehicles is added to with the new Mule 550 model to be seen for the first time in the UK at this year's BTME. With the same engine and automatic transmission as the previous Mule 500 the main difference is the bench seat is now fitted allowing a passenger to be carried. With a cargo bed capacity of 160 kg (352lbs) and 550 makes the ideal economical workhorse for sensitive surfaces and comes with 12 months warranty. The larger 2500 and 2510 Mules of both 2x4 and 4x4 drive configuration continue to increase sales where the requirement is for a sturdy 2 person all weather workhorse. A full range of accessories is available from any of the countrywide Kawasaki Mule dealer network.

#### KINGS HORTICULTURE LTD

Stand No. B10  
 4 Lancaster Way, Earls Colne Industrial Park, Earls Colne, Colchester, Essex, CO6 2NS  
 Tel: 01787 223300, Fax: 01787 224509  
 Contact: John Hinton

Innovative, award winning, practical, exclusive. King's will be exhibiting selections from their exclusive produce range. Powerhead is a unique cutting device for the use in maintenance of golf course irrigation. The Powerhead attachment fits neatly onto a trimmer and in 2 seconds each sprinkler head is cut clear of grass, ensuring your irrigation system works efficiently and freeing up vital labour time. 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.

Ironite and Saturaid, specialist products for turf from across the world, combine the advantages of granules with the efficiency of "slow releases" 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  
 Contact: Stuart Ellis  
 'Kubota's Super Bs Out In Force.' Kubota, the UK's number one compact tractor supplier is out in force at BTME '97. Leading the show line-up is Kubota's latest range of 18-24hp compact tractors, the Super B series. A high mowing deck clearance, a modern Buisard Cab and Bi-Speed Turn (two larger models only) make the Super Bs ideal for operators in the golf and amenity sectors. The three-strong Grandel range of 35-45hp compact tractors is also featured along with the best in ride-on mower technology from Kubota's 'F' series of front mounted mowers. Visit the Kubota stand and see why more people choose a Kubota.

#### LEVINGTON HORTICULTURE LIMITED

Stand No. B2  
 Paper Mill Lane, Bramford, Ipswich, Suffolk  
 Tel: 01473 830492, Fax: 01473 830386  
 Contact: Natalie McBride  
 Levington Horticulture Ltd will be emphasising the key spring products from their range at BTME - Greenmaster Mosskiller and Turfclear for casting worm control. Greenmaster Mosskiller is specially formulated to revitalise turf after the stresses of the winter period, providing the optimum 14:0:0 nutrient formulation for vigorous and healthy grass growth combined with an 8.9% iron content for excellent moss control. In common with all the Greenmaster range, Greenmaster Mosskiller is manufactured to stringent quality standards for accuracy, ease of use and reliable turf growth and colour response. Levington Turfclear, based on carbendazim, is the dual acting turf fungicide and worm cast control product - now available in the 5 litre economy pack.

#### LINDUM SEEDED TURF

Stand No. B5  
 West Grange, Thorganby, York YO4 6DJ  
 Tel: 01904 448675, Fax: 01904 448713  
 Contact: S C R Fell  
 More and more golf courses are using BAyr Roof Washed Turf on greens and tees as greenkeepers and agronomists realise the huge advantages of rapid root development and avoidance of a layer at the turf/rootzone interface. Several grades of BAyr Root Washed Turf will be displayed including the high bent Tournament greens turf. Lindum SquAyr, the instantly playable slabs of turf with reinforced free draining rootzone are being used at Old Trafford, Murrayfield and many other

sports grounds. This breakthrough in turf technology has several applications in areas of high turf wear. If you are having problems with grass growth in shaded areas, talk to Stephen Fell or David Snowden about Lindum's new shade tolerant turf.

#### LINKS LEISURE LIMITED

Stand No. C13  
 Unit 22, Civic Industrial Park, Whitchurch, Shropshire, SY13 1TT  
 Tel: 01948 663002, Fax: 01948 666381  
 Contact: Denis Clarke  
 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 sections (c) unique tee peg retention for both left and right handed 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.

#### LLOYDS & CO LETCHWORTH LIMITED

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 and existing customers.

#### LUBRICATION ENGINEERS C/O PETROLEUM PRODUCTS & SERVICES

Stand No. C3  
 Unit 7, Dicker Mill, Hertford, Herts  
 Tel: 01992 505775, Fax: 01992 505594  
 Contact: Sheila Rowe  
 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 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.

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Fax: 32-14-562-951



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**Tel: 01536 402182 Fax: 01536 204254**



#### Stand No. B15

Major Industrial Estate, Middleton Road,  
Heysham LA3 3JJ

Tel: 01524 850501, Fax: 01524 850502

Contact: Tracy Lewis

The best selling gear driven Roller mowers from Major will be on display on Stand B15, including a preview of the biggest machine of this type available. Sizes start from 4.5ft cut up to 16ft. Also being shown is the new range of reversible tractors with attachments including a recently launched Major front deck. Finally Major will have on display their popular range of heavy duty, economy land-driven gangs.

#### MARLWOOD LTD

Stand No. A331

Court Lodge Farm, Force Lane, East Farleigh,  
Maidstone, Kent, ME15 0HQ

Tel: 01622 728718, Fax: 01622 728720

Contact: Keith Elliment

Lasterc with the articulator have just perfected the art of grooming the world's finest turf using the world's finest floating rotary mower. Meet the X-series articulator, with proven durability stronger, lighter, together and 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, winter mulching.

#### MARTIN BROTHERS (UK) LTD

Stand No. B29

King Edward House, 1 Jordangate,  
Macclesfield, Cheshire SK10 1EE

Tel: 01625 614121, Fax: 01625 618282

Contact: Dawn Pollard

Martin Brothers (UK) Limited are one of the leading suppliers of Top Dressing, Rootzones, Oakmoor Bunker Sand and Grass Seeds. We will be showing our range of Top Dressings available nationally for plants around the UK. There will be a full spectrum of Rootzones to the USGA specification. Oakmoor Bunker Sand produced in Staffordshire for over 20 years will be shown, available from us and our distributors. We extend a warm welcome to new and existing customers. See us on stand B29.

#### MASSEY FERGUSON GRASS EQUIPMENT

Stand No. B37

P O Box 62, 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 groundscape market. In addition to its own-branded products, the company is the exclusive distributor for Iseki turfcare equipment in the UK and Ireland. Both ranges are sold through a nationwide network of dealers. On show will be models from the 20 to 35 hp MF compact tractor line-up and

the 20 to 25 hp Iseki TF compact tractor range. Also on exhibit will be the Iseki SF 300 diesel front cut mower and Iseki SG diesel riders.

#### MAXICROP INTERNATIONAL LTD

Stand No. C25

Weldon Road, Corby, Northants NN17 5US

Tel: 01536 402182, Fax: 01536 204254

Contact: David Evans

New research has shown that Maxicrop Bio-stimulants increase soil microbe activity around plant roots, which in turn act to exclude disease and improve early nutrient uptake, ensuring strong, early grass growth. At the same time, leaf chlorophyll levels are increased, boosting the photosynthetic process, leading to hardy plant growth. Talk to us about a turf management programme which gets the best results from bio-stimulants.

#### MOMMERSTEEG INTERNATIONAL

Stand No. C4

Spitfire Close, Ermine Business Park,  
Huntingdon PE18 6XY

Tel: 01480 459500, Fax: 01480 459990

Contact: Phil Davies

A comprehensive line-up of grass seed varieties and mixtures to suit every greenkeepers need awaits visitors to the Mommersteeg International stand. The display features Mocassin a highly-rated slender creeping red fescue in STRI trials. Mocassin has been included for the first time in two specialist mixtures for the golf course - MM12 a mixture for tees and fairways and MM13 a fine fescue mixture for tees and fairways without smooth stalked meadow grass. Also featured will be the Mommersteeg biological seed treatment - Improved Headstart. The reformulated seed treatment is used on all Mommersteeg MM mixtures and ensures better root and shoot development, greater water absorption and improved photosynthesis.

#### MIRACLE PROFESSIONAL

Stand No. B39

Salisbury House, Weyside Park, Catteshall  
Lane, Godalming, Surrey, GU7 1XE

Tel: 01483 410210, Fax: 01483 410220

Contact: Steve Hall

Miracle Professional will as usual be giving their full support to the BIGGA Turf Management Exhibition and their stand will be featuring their wide range of products. Major chemical brands include the fungicides 'Daconil' Turf and 'Greenshield', 'Enforcer' the liquid mosskiller, and 'Intrepid' the selective turf herbicide that has been so successful this season. The Miracle 'Longlife' range offers quality fertilisers, giving value for money with analysis to suit most situations. 'Invigorator' (408), the latest addition to the range, will be featured alongside the new improved FREE soil analysis service. Call in for further details. Visit Stand B39 on Wednesday 22nd and meet the 'Longlife' girl and receive a personally signed poster.



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## MOORE UNI-DRILL LTD

Stand No. B20

33 Kirk Road, Ballymoney, Co Antrim,  
Northern Ireland, BT53 6PP

Tel: 01265 65696, Fax: 012656 64444

Contact: Sam Moore

'Moore Sportsfield Drill 1.2M.' The drill can follow ground contours accurately and plant seeds at a constant depth in its own prepared mini seedbed. Seeds planted at 12mm give an excellent rooting structure, which holds the grass sward together better than shallow planted seeds which tend to be more easily scuffed off. To obtain a hard wearing playing surface, the drill should be used at regular intervals. Root pruning helps to develop and strengthen

the root structure thus giving a much improved playing surface. Fairways on Golf Courses should be seeded every Autumn. Root pruning which relieves surface compaction and aerates the soil, simulates root growth and encourages the existing native grasses to grow between rows.

## MULTI-CORE AERATORS LIMITED

Stand No. B13

6 Chestnut End, Boson Spa, Wetherby,  
West Yorkshire, LS23 6JG

Tel/Fax: 01937 843281

Contact: Katharine Waddington

Designed and manufactured in the UK and to be launched at the BTME show by Multi Core Aerators Ltd will be the new MC15 tractor mounted aerator. Both the MC10 and MC15 models now feature a one piece steel floor plan for added strength and rigidity. Larger bearings, stronger tine arms, fully sealed flexible link units and a fully floating turf holder have now been incorporated. Lower hitch points and a larger roller allow for greater ground clearance and easier coupling to the tractor. Both the MC10 and MC15 are CE marked and this assures the cus-

tomers that they comply fully with current EU health and safety laws. Both machines are supplied as standard with 61mm spacing heads, mini tine heads, one set of 13mm hollow tines, one set of 9.5mm mini solid tines, turf holders, parking stands, core windrow assembly and power take off shaft.

## MYERSCOUGH COLLEGE

Stand No. B6

Myerscough Hall, Bilsborrow,  
Nr Preston PR3 0RY

Tel: 01995 640611, Fax: 01995 640842

Contact: Lorna Tyson/Lynne Jones

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 drain-age, marking out, irrigation and FEPA. The College also offers training courses for business sales and support staff, who supply

the turfgrass sector.

## NATURE FIRST LIMITED

Stand No. C24

Wood Lane Nursery, Down Hatherley,  
Gloucestershire

Tel: 01452 731199, Fax: 01452 731131

Contact: Christine Bromage

Nature First Limited offer a comprehensive arboricultural service on a nationwide basis. Experts in supply, planting and maintenance of Semi-Mature Trees, the company undertakes 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 completed 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.

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H L D

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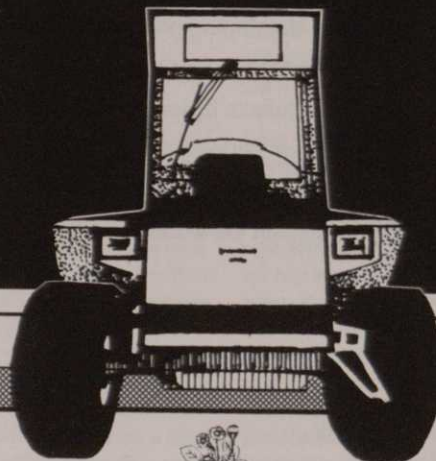
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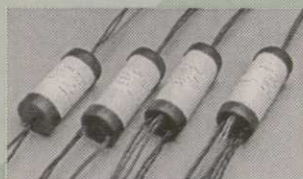
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The Rain Bird commitment to product innovation, aftersales service and the wise management of nature's resources allows us to better meet the irrigation needs of the golf world.

Visit the Rain Bird stand at Harrogate to find out why so many golf courses choose irrigation by Rain Bird.

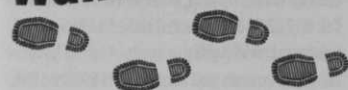
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## NEW HOLLAND UK LTD

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

New Holland Series 20 tractors are renowned for their strength and durability which is achieved through their robust construction. With engine and transmission forming the main chassis structure, Series 20 models combine outstanding hydraulic performance with superb handling characteristics. CM commercial mowers have a specification which includes automatic 4WD engagement and a hydraulic deck weight transfer system for improved traction. For mowing in confined areas, GT mowers with their three cylinder diesel engines, are available with 48" side or rear discharge decks. High torque reserves are a feature of the Iveco diesel engines used in the new Series 35 multi purpose and micro tractors. With hp levels from 45 to 95, these tractors offer a specification to suit most applications.

## NORTH STAFFS IRRIGATION COMPANY

Stand No. D11  
 Ivy Mill, Longton Road, Stone, Staffs, ST15 8TB  
 Tel: 01785 812706, Fax: 01785 811747  
 Contact: Martin Hinchliffe

North Staffs Irrigation is a well established, reliable, family run business staffed by qualified engineers and operated without the use of sub-contractors. The company has been trading for almost thirty years and in that time has completed work at many of the Championship courses in the UK including Royal Lytham & St. Annes which North Staffs Irrigation prepared for the "Open" this summer. Our Principal Roger Hinchliffe and his sons Martin and Andrew will be available throughout the Exhibition to answer your questions and give advice.

## NORTH WEST TURF

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

North West Turf offers a wide range of cultivated turf for all golf course requirements. Our 'Royal Blend' is our greens turf. 'Aughton Green' is our tees turf. Budget downgrade turf is sometimes available at reduced prices making turf more affordable for larger areas, such as fairway

repair work. Giant roll or standard rolls available. Grown on a sandy soil, please ask for details. We are also able to offer TPI approved turf, with a declaration of turf characteristics declaring exactly what the turf consists of. This is your guarantee of quality. We look forward to meeting customers new and old at our stand A1.

## 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 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.

## PAN BRITANNICA INDUSTRIES LTD

Stand No. D23  
 Britannica House, High Street, Waltham Cross, Herts, EN8 7DY  
 Tel: 01992 623691, Fax: 01992 626452  
 Contact: John Gregory

Pbi Amenity is a leading supplier to the Sports, Golf, Industrial and local Authority markets. Pbi will be featuring its well known brands including Kerb, Isolite, Biosorb and Glyper. Full details will also be available on Turf Systemic Fungicide and worm control product. Details of the full amenity range will be available along with our unique customer support package.

## PARAGON ENVIRONMENTAL TECHNOLOGY (EUROPE) LTD

Stand No. D28  
 109 Pannal Ash Road, Harrogate, North Yorkshire, HG2 9AL  
 Tel/Fax: 01423 505600  
 Contact: Nigel Ronson

Wessex Water, the leading water company in the UK for recycling sewage sludge, has produced an organically rich, almost odourless and safe granular product called Biogran, which offers easy application. This fertiliser/soil conditioner, supplied in 25kg or 750kg weatherproof sacks by Paragon Environmental Technology (Europe) Ltd to the UK amenity market. Of benefit is it's slow release which improves ground fertility, produc-

ing strong healthy root base and turf making it an excellent soil conditioner. Biogran is extremely cost effective, organically rich ideal for fairways, around greens, reclaiming and creating new greens. Sandy and clay courses greatly benefit from using Biogran for Autumn and Spring feeds. We look forward to meeting you on stand D28 to discuss Biogran.

## H PATTISSON & CO LTD

Stand No. C43  
 342 Selbourne Road, Luton, Bedfordshire, LU4 8NU  
 Tel: 01582 597262, Fax: 01582 505241  
 Contact: Mike Hinch

Pattissons are acknowledged as the one-stop-shop for all course furnishings. From the tee area Pattissons range starts with the simple Trio Tee Marker to their ever popular resin tee markers, available in Deluxe Golf ball, Standard Golf ball, Pear shaped and Cone Shaped styles. As an alternative, Chichester or Newbury Tee Consoles come complete with a sign that can show all the hole information and layout, D-shaped litter bins, show brushes and scrapers, ball washers, ball towels, sponsorship plates, infact nearly any specialist requirements can be met. As with the consoles, many Pattissons products can be made to the courses unique specification to maintain a consistency of style. Another attractive tee accessory is the Deluxe Info Panel, this is a multi panel sign made from extruded aluminium and polyester powder coated in the colour of your choice, once again it can be made to the courses specification and can include, course logo, sponsor plates, yardage information and hole layout. This unit can also be removed for grass cutting and ground maintenance. Pattisson can supply virtually any accessory a course will need from the tee to the green. Our catalogue containing all of our new and improved course products is available by phoning 01582 597262.

## PERRYFIELDS HOLDINGS LTD

Stand No. C6  
 Thorn Farm, Inkberrow, Worcester  
 Tel: 01386 793135, Fax: 01386 792216  
 Contact: Derek J Smith

Perryfields Holdings will be exhibiting the 'Pro' range of Amenity grass seed mixtures, wild flowers and fertilisers. Perryfields can provide a top quality seed mixture to suit every part of the modern golf course, from a hard wearing winter tee to a native wild flower mixture for the rough. New for 1997 will be our shady tee mixture incorporating 'Solo' rough stalked meadow grass. (Samples available by request). Our products and service are backed with ISO 9002 quality assurance. Perryfields customers are guaranteed competitive prices and fast friendly service (free 24 hour courier). Technical representatives will be available to answer questions and provide quotations.

**L PHILLISKIRK & SON**  
 Stand No. C28

Meadowcroft Farm, Skipbridge, Green Hammerton, York YO5 8EZ  
 Tel: 01904 738231, Fax: 01904 738599  
 Contact: W. Philliskirk

L. Philliskirk & Son, a small family firm situated on the A59 near York and specialised in land drainage for some 30 years. Sports ground and golf course drainage is carried out with a new Mastenbroek 10/12 sports field trencher which has spoil elevating and lazer levelling facilities. Complete drainage and levelling construction contracts undertaken. Trencher hire with operator only available. Examples of contracts near York are Aldwark Manor Golf Course and York City Football Club. Highway trenching and mobile stone crushing services.

## PRIME WATERMAN

Stand No. B33  
 Darsham, Saxmundham, Suffolk, IP17 3BP  
 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\*atic irrigation equipment.

The Weather\*atic 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 fairways, sports turf and agricultural uses and markets pumps, pipes, valves and fittings for all irrigation requirements.

## PSD AGRONOMY LIMITED

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, the PSD Agronomy team of specialists 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. Meet Jay Dobson the newest member of the PSD team along with Mike Harbridge, John Hacker and David Stansfield on Stand A11.

## RAIN BIRD EUROPE

Stand No. D25  
 535 Rue Georges Claude, BP 72000, 13792 Aix en Provence, France  
 Tel: (33) 44224461, Fax: (33) 442242472  
 Contact: Katrin Pelancon

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

Stand No. A30

Ransomes Way, Ipswich, Suffolk, IP3 9QG

Tel: 01473 276287, Fax: 01473 276500

Contact: Clare Clark

Greenkeepers looking for a high output, high performance mower should head for the Ransomes' stand where the company will be showing the latest addition to its family of fairway machines – the seven unit Fairway 406. At 4m (13' 2"), the mower is believed to offer the widest cut of any machine in its class and is powered by a 46.5hp turbocharged diesel engine. Also being exhibited at BTME '97 is the Envirojet turf grass injection system, the Hawk personnel and work vehicle and a trio of precision greens mowers – the E-Plex, the Greensplex 160 and the walk behind Greens Super.

#### REASEHEATH COLLEGE

Stand No. D20

Reaseheath, Nantwich, Cheshire

Tel: 01270 625131, Fax: 01270 625565

Contact: D. Mortram/B Cope

Reaseheath College is at the cutting edge of greenkeeper training in the UK. The college has extensive facilities for both training and education from craft level to higher national diploma. The college also offers sandwich placement at a

number of prestigious golf courses and boasts a near 100% record of successful student placements following the completion of full time courses at national diploma and higher national diploma level. Distance learning routes are offered for most courses. For details of courses and interesting research visit us on Stand D20.

#### RHONE-POULENC AMENITY

Stand No. A6

Fyfield Road, Ongar, Essex

Tel: 01277 301114, Fax: 01277 301119

Contact: Jonathan Hill

New to the Rhone-Poulenc Amenity range is Crossfire 480 for fast, effective control of leather jackets and fruit fly. Come along to stand A6 and let us explain how this product could fit into your pest control strategy. To ensure your golf course comes through the winter in the best possible shape we will also be featuring Rovral Green – the ultimate turf fungicide and Castaway Plus the dual purpose pest management product.

#### RIGBY TAYLOR LIMITED

Stand No. A23

Rigby Taylor House, Garside Street,

Bolton, Lancashire BL1 4AE

Tel: 01204 394888, Fax: 01204 398379

Contact: Craig Aucott

Rigby Taylor have made a major investment in the development of new products, and there will be further interesting introductions at BTME 1997 under the "Advanced Technology Products from Rigby Taylor" banner. In addition, there will be technical advice from supporting manufacturers, competitions and special show offers to make your visit to our stand at Harrogate entertaining, informative and profitable.

#### RISBORO' TURF

Stand No. A38

Chinnor Road, Bedlow, Princes Risborough,

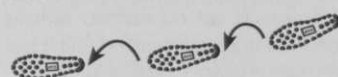
Bucks, HP27 9PH

Tel: 01844 274127, Fax: 01844 274191

Contact: Mark Barthelmie

Pride of place will go to winner of Turf Manage-

## Walk this way



## ...don't miss anything in the SHOW of the year!

ment's Best New Sports Turf Product at SALTEx 96 – the Little John self-propelled pedestrian hydraulic scarifier and verticutter. This unique machine has a hydrostatically driven, fully floating head that takes interchangeable options including scarifier, verticutter, sorrel roller or brush. Other turf care equipment on show includes the 24" Big Willy aerator, sorrel rollers, dragmats, rakes and brushes. Neary's Cup Cutter grinder keeps a keen edge on cup cutters and lessens the risk of disrupting turf surfaces around the hole. Acrow ballpickers are suitable for most types of terrain and confined areas.

#### RITEFEED LIMITED

Stand No. C12

Electron House, Electron Works, Brook Street, Preston, Lancashire PR1 7WH

Tel: 01772 253521, Fax: 01772 881338

Contact: John Walker/Richard Lawrence

Ritefeed, Britain's fastest growing supplier of organic fertilisers will once again be supporting BTME. On display will be Ritefeeds unique computer based soil analysis, as well as, the most extensive range of liquid fertilisers available. John Walker Managing Director of Ritefeed commenting on his companies continued support of BTME said "Harrogate is without doubt the most important show for our company. We have concentrated on developing relationships with Course Managers and it is an ideal opportunity for us to meet many existing friends as well as meeting new ones. This year has been an exciting one, with us now supplying the vast majority of Britain's leading golf clubs, including Gleneagles and The Belfry."

#### ROFFEY BROTHERS LTD

Stand No. C30

Throop Road, Throop, Bournemouth BH8 0DF

Tel: 01202 537777, Fax: 01202 532765

Contact: David Roffey

With golf courses and other sports facilities subject to intensive use, the selection and application of appropriate top dressings is a key consideration for everyone involved in the upkeep of such surfaces. Roffey will be featuring a technically superior range of rootzone materials and dressings, including their unique Xylor-ganic. Roffey will also be showing their range of slow and controlled release fertilisers which were introduced earlier this year and which have been enthusiastically received by many greenkeepers.

#### ROLAWN (TURF GROWERS) LTD

Stand No. A31

Elvington, York YO4 5AR

Tel: 01904 608661, Fax: 01904 608272

Contact: Isabelle Rogerson

Rolawn (Turf Growers) Ltd announce Britain's best ever choice of greens turf. Two top quality grades – Advantage – independently tested by the STRI and – Minster – produced from 80% Bargreen or Barcrown (fescue) and 20% Bardot (bent), are available throughout the UK. With a national network of sixteen depots we can offer you the benefit of buying as much or as little turf as you need with a 48 hour delivery service. To see a sample, check a price or place an order: telephone (01904) 608661.

#### RUFFORD TOPDRESS SUPPLIES LTD

Stand No. A25

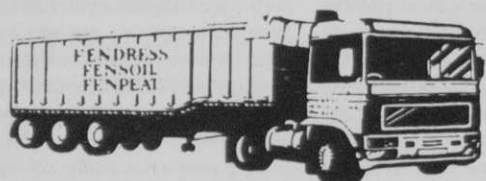
Fairway House, South Stage,

Salford Quays, Manchester

Tel: 0161-877 8550, Fax: 0161-877 8554

Contact: Peter Jefford

Rufford Topdress will be exhibiting their full range of products. Now operating out of three sites at Eaton Hall, Longleton, Aylesford in Kent and Avondale, near Falkirk, Scotland. Their quar-



## FEN TURF DRESSINGS LTD

ANGEL COURT, DAIRY YARD, HIGH STREET,  
 MARKET HARBOROUGH  
 LEICESTERSHIRE LE16 7NL



## Fendress Greentop™ soil-less top dressing now available

Telephone: 01858 464346/433003 Fax: 01858 434734

YOUR ASSURANCE OF QUALITY AND SERVICE FROM THE PEOPLE WHO CARE

## FENDRESS™ TURF TOP DRESSING BRITAIN'S NO. 1 YOU CAN'T BEAT THE ORIGINAL

#### NOW AVAILABLE:

- Fendress Regular
- Fendress Superfine
- Economy Top Dressing – for Tees and Approaches
- Sand/Loam Top Dressing
- Rootzone Mixes
- Highest quality Screened East Anglian Fensoil

- Fine Screened Sedge Peat for Fairways
- Fine Screened Sandy Loam
- Kiln dried Sand and Washed Grit for Vertidrainage
- Lime-free Silica Sands
- Bunker Sands – White – Cream – Pink or Yellow, including Moneystone



ries benefit from the latest technology in mineral extraction and processing. With in-house laboratories they monitor their products for consistency at regular intervals so you can be assured of the highest quality products at competitive prices. With their Free Greens Compatibility Service you can be sure that you're using the correct top dressing to improve your greens.

#### **SAME-LAMBORGHINI (UK) LTD**

Stand No. C39

Barby Lane, Barby, Nr. Rugby,  
 Warwickshire, CV23 8TD

Tel: 01788 891892, Fax: 01788 891387

Contact: Chris Cann

The 1997 specification Lamborghini Runner Range now includes a 3 speed hydrostatic transmission, demonstrated on the Runner 250 (optional for the Runner 250 only). Also available in 1997 is an optional cab featured on the Runner 350. The top of the range Runner 450 has a 4 cylinder turbocharged 42 H/P engine, high performance hydraulic system with 1200 kg lift capacity, position and draught control functions with the option of a front PTO, mower deck and grass collection system. The more powerful Sprint 60 on display uses a 3 cylinder 60 H/P engine and a 40 kph synchro-shuttle transmission as standard. Oil-Immersed disc brakes and a 55 degree turning angle add to the specification of the four wheel drive sprint 60 which can be fitted with electronic throttle regulation and a multishift gearbox.

Tractors on show: New Sprint 60, Runner 250 with a new hydrostatic transmission, Runner 350 with a new safety cab.

#### **SAXON INDUSTRIES**

Stand No. B30

Everland Road, Hungerford,  
 Berkshire, RG17 0DX

Tel: 01488 682655, Fax: 01488 681525

Contact: Colin Honeybone

Saxon Industries distributors for Bear Cat chipper shredders, Trimax tractor mounted rotary and flail mowers, will be exhibiting a selection of fine turf mowers from the Saxon range of 76 inch triple mowers, 22 inch pedestrian greens mowers and the pedestrian walk behind twin greens mower. Also, a budget priced 20 inch 10 bladed cylinder mower.

#### **SCOTTS UK LTD**

Stand No. A2

61 Loughborough Road, West Bridgford,  
 Nottingham NG2 7LA

Tel: 0115 9455100, Fax: 0115 9455311

Contact: Mark Hunt

Scotts UK Ltd will be displaying their successful range of fertilisers for close mown and fine turf applications featuring Scotts unique Poly S and Methylene Urea technology. Alongside these products will be the market leading controlled release fertiliser - Sierrablend Turfmix, available in both 5-6 and 8-9 month longevities for once per season application to tees, fairways, wear

areas and new course 'grow in'. Also on show will be the popular R8-A spreader with its unique patented helical cone for even application of fertilisers to most areas on the golf course, together with new product literature.

#### **SEWARD GRASS MACHINERY LIMITED**

Stand No. C28

Windmill House, Sutton Road,  
 Wigginton, York YO3 3RA

Tel: 01904 765949, Fax: 01904 760016

Contact: Paul Seward

Specialising in turf compaction Seward 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 marketed under the Jemison Agri Bander trade name. Overseeding is carried out with various types of drills, stone burying, 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 Fortiva grass seeds, fertilisers and top dressing.

#### **SHARPES INTERNATIONAL**

Stand No. B28

Sleaford, Lincs, NG34 7HA

Tel: 01529 304511, Fax: 01529 413928

Contact: Ian Backhouse

Sharpes International are highlighting four new varieties of perennial ryegrass which have been added to the 1997 STRI list. The varieties are Bellevue, Brightstar, Fancy and Repell. Bellevue is fine leaved and scores highly for shoot density. Its growth pattern will make the variety useful in low maintenance conditions. Brightstar, which originates from the USA, will perform well in mixtures where wear and appearance are important. Fancy and Repell are two mid-table varieties which give a good performance for those whom economy is a key consideration. Technical staff will be available to discuss these and other varieties in more detail.

#### **SHELTON TRENCHING & SYSTEMS LTD**

Stand No. C46

Fir Tree Farm, Darfield, Barnsley S73 9JB

Tel: 01226 751762, Fax: 01226 755481

Shelton Trenching Systems Ltd is Europe's leading manufacturer of sportsturf drainage equipment. The range of equipment for sale and hire covers the Shelton Supertrencher capable of trenching up to 135mm wide and 625mm deep through to the Shelton Gravel Band Drainer, capable of moving excess soil water in minutes by installing bands of drainage medium 20mm wide to a depth of 250mm. The Shelton Single Leg Gravel Band Drainer, specifically designed for draining golf greens, can install bands of drainage medium between 10mm and 20mm wide and up to 300mm deep. A range of acces-

sories and spares is also available.

#### **SISIS EQUIPMENT (MACCLESFIELD) LTD**

Stand No. C41

Hurdsfield Industrial Estate, Hulley Road,  
 Macclesfield, Cheshire, SK10 2LZ

Tel: 01625 503030, Fax: 01625 427426

Contact: Lynn Hilton

Sisis will display items from their large and comprehensive range of golf course maintenance machinery.

#### **SOVEREIGN TURF LTD**

Stand No. C20

Meadow View, Norwich Road,  
 Norwich NR5 0LA

Tel/Fax: 01603 746229, Mobile: 0850 752744

Contact: Steve Williams

At Sovereign Turf Ltd we are pleased to have the opportunity once again to welcome both old friends and new customers to our stand. We shall, as always, be exhibiting our range of high quality turf products which continue to represent exceptional value for money. Whether you are choosing turf for soccer pitches, amenity areas, or any golf course application, renovation or new build, don't place your order until you have discussed your requirements with us. Don't forget that all Sovereign's turf products undergo independent analyses and stringent quality controls, so come to Sovereign, where you always come first.

#### **SPORTS GROUND IRRIGATION CO**

Stand No. A8

6 Stuart Road, Market Harborough,  
 Leicestershire, LE16 9PQ

Tel: 01858 463153, Fax: 01858 410085

Contact: Mike Walker

SGI will be exhibiting the full range of Hunter products, together with a comprehensive range of associated irrigation equipment. There will be on-going demonstrations of the "Winwater" control system, now available to run most existing decoder systems through a "windows" application. As well as SGI staff, two Hunter technical staff members will be on the stand to offer advice and assistance. Also featured on the stand will be fountains and aerators, as well as SGI's acid injection system for pH control.

#### **SPORTS TURF RESEARCH INSTITUTE**

Stand No. D21

St Ives Estate, Bingley,  
 West Yorkshire BD16 1AU

Tel: 01274 565131, Fax: 01274 561891

Contact: Anne Wilson

STRi is a leading independent authority on the management and construction of golf courses. Founded by the R & A Golf Club and Home Golf Unions in 1929, STRi now advises on over 1,000 golf courses throughout the UK and overseas. We also act as official agronomist to the Championship Committee of the R & A. Eight of our

agronomist team are based regionally, to provide a local UK Network. They are supported by extensive turf and soil research and laboratory facilities at Bingley, a construction unit and golf architectural and ecological services. STRi also provide golf publications and training including NVQ's. 'Talk to STRi.'

#### **STANDARD GOLF (UK) LTD**

Stand No. B36

c/o 49 Ringwood Road, Alderholt,  
 Nr Fordingbridge, Hants, SP6 3DF

Tel: 01345 125398, Fax: 01425 656260

Contact: Duncan Stewart

Standard Golf will display their complete range of Golf course Equipment from the USA and are the world's leading supplier of course equipment. Included in the range are ball washers, litter caddies, rakes, tee markers, flagsticks, course and tee data signage. Personalised flags are a speciality of Standard Golf and are the finest available, see the quality for yourself on stand B36. Also on display will be winter tee and range mats. Details of the services offered by our sister company Envirogreen Limited will be available, specialists in special waste disposal of chemicals, fertilisers, oils etc, full or empty containers. No disposal is too difficult for Envirogreen. Duncan and Neil Stewart, together with Dawn will be available to assist and welcome clients and look forward to seeing you there.

#### **SUPATURF PRODUCTS LTD**

Stand No. A33A

2 Maizefield, Hinckley, Leics, LE10 1YF  
 Tel: 01455 234677, Fax: 01455 234714

Contact: Rachel Higgins

More new innovative products and services from Supaturf. At Harrogate 1997 Supaturf will have their biggest stand yet and will be launching new innovative products such as Aqua-Pro, a new technology wetting agent. Aqua-Pro completes Supaturf's range of soil surfactants offering all the new technology benefits of not needing to be watered in and guaranteed not to burn, all at an attractive price. The new even-spray sprayer will be launched offering a compact and highly effective electric sprayer and the award winning clean carbon will be demonstrated. The new "Supaturf On-Line" service will be demonstrated, offering greenkeepers access to information and technical advice 24 hours a day, 7 days a week. Another innovative year for Supaturf.

#### **SWAN PLANT SERVICES LTD**

Stand No. C45

9 The Grove, Parkgate Industrial Estate,  
 Knutsford, Cheshire

Tel: 01565 650567, Fax: 01565 650769

Contact: Ted Mitchell

Swan Plant Services is in its fourth season as the country's leading business specialising solely in the hire of horticultural equipment to local authorities, NHS Trusts and professional groundsman. Its free delivery and collection ser-



vice provides state of the art plant, from hedge cutters to ride-on out front rotary mowers, catering for a multitude of disciplines and individual seasonal requirements. Managing Director Ted Mitchell, who has more than 25 years' experience in the hire business, identified a niche market by recognising that short term hire meant customers' capital was no longer tied up in valuable plant used just periodically each year.

#### SYMBIO BIOTECHNOLOGY

Stand B25

38 Bookham Industrial Park, Church Road, Great Bookham, Surrey, KT23 3EU  
Tel: 01372 456101 Fax: 01372 456099

Contact: Guy Longshaw

BTME 1997 will be an exciting show for Symbio. In November '96 we expanded into new premises giving much larger and more flexible manufacturing output. This allows for the long awaited launch of Symbio Granular and Symbio Liquid Bug Booster maintenance products designed for regular convenient and cost effective application to prevent problems and maintain excellence. Many more clubs will now be able to reap the benefits of Symbio Biotechnology with preventative management rather than waiting until they have problems before calling us in. So whether you have problem greens or you are interested in how biotechnology can be used to turn good green into great greens, come along and meet us on stand B25.

#### TALBOT FARM LANDSCAPES

Stand No. B14

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

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...don't miss anything in the SHOW of the year!

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.

#### TACIT

Stand No. B1

48 Hillmorton Road, Rugby CV22 5AD

Tel: 01788 568818, Fax: 01788 537485

Contact: Richard Webb

Lock-On To Tacit, the No. 1 manufacturer of swivel flag systems, will be exhibiting its comprehensive range of 'On Course' equipment. Tacit, the first company to develop the Lock-on ferrule have now extended this concept to the European and American tube flag design. The Tacit development team, always at the forefront of 'On Course' equipment design bring you new ideas in Greenkeeper Safety, Soil Profiles, Tee Markers, Fencing Systems, Switches and Starting Racks amongst others. Most top Championship courses are our ongoing customers, with Tacits emphases on Sound Engineering and Fast Service, Course like the Belfry and The Forest of Arden continue to rely on Tacits quality equipment.

#### TARMAC QUARRY PRODUCTS

Stand No. C2

Mere Farm Quarry, Knutsford Road,

Macclesfield SK10 4SZ

Tel: 01625 861021, Fax: 01625 860897

Contact: Tim Edwards

Whether you already use our materials or wish to find out more about them, come and visit Tarmac Topsport on Stand C2. We will be exhibiting our complete range of materials for golf course construction and maintenance. From aggregates for drainage, sands for construction, maintenance, bunkers, through to USEA specification rootzone we can meet your needs. With over a decade of experience we can provide the products, service and advice to suit you. We look forward to seeing you at BTME 1997.

#### T & G TURF IRRIGATION SERVICES

Stand No. B40

13 Castlegate, Knaresborough,

North Yorkshire, HG5 8AR

Tel/Fax: 01423 864963

Contact: Susan Teggin

T & G Turf Irrigation Services will be sharing an exhibition stand with Watermation and will be pleased to welcome both old and new customers alike. We look forward to seeing you.

#### TILDENET LIMITED

Stand No. C23

Longbrook House, Ashton Vale Road, Bristol

Tel: 0117 9669684, Fax: 0117 9231251

Contact: Lawrence Green/Ruth Hensman

Tildenet Limited will be exhibiting their established patented Grass Germination material whilst introducing their new economy version specifically designed for larger, one off, projects. As market leaders in sports Ballstop Netting Tildenet offers tailor made DIY kits for self installation or alternatively install from start to finish. An advice service is available on all applications and installations including any queries you may have with regards planning permission. Products on display include: anti-ball plugging net, target nets, chipping nets, and various golf practice nets. Adding to this range are several new products which include, Tildenets new indoor golf netting, bunker membrane, tee

dividers and the unique target green the 'Epic'. Samples and literature on all of Tildenet products will be available on Stand No. C23.

#### TIL IRRIGATION LTD

Stand No. B46

Water House, 10 Carvers Industrial Estate, Southampton Road, Ringwood, Hampshire, BH24 1JS

Tel: 01425 476261/2, Fax: 01425 472380

Contact: Graeme Francis

TIL Irrigation are the UK Distributor for Toro Irrigation equipment. As such the company will be exhibiting the range of Toro PC based control systems including the CDS, which has evolved from Toro's SC3000. Available with radio remote control the CDS system shares the SC3000 decoder, which is renowned for its reliability. CDS is supplied as a package of Toro hardware and Toro software with full support for each from Toro and TIL. As always Toro's control systems are offered in conjunction with the comprehensive range of sprinklers which have led the way in gear drive rotation and control technology for many years.

#### TONICK WATERING LTD

Stand No. C33

2 Prince William Close, Worthing, West Sussex

Tel: 01903 262393, Fax: 01903 694500

Contact: Ken Jefferies

The PC based, easy to use WinWater irrigation control and management system will be shown and demonstrated for the first time. The proven range of rugged, high quality decoders includes replacements for watermation, CIC, Wright Rain, Primetime and Robydome types. A new TORO alternative is also announced. A low cost programmer allows easy and convenient address setting and can test any decoder - whatever the make. Decoder First Aid Kits are available on the stand for only £99.95 including VAT. These include a replacement decoder, a programmer with its mains adaptor and full instructions.

## J D GREASLEY LIMITED

Ashfield House, 1152 Melton Road, Syston, Leicester LE7 2HB

• SPECIALISTS IN • GOLF COURSE CONSTRUCTION •  
• ROYAL BIRKDALE • RUDDING PARK (HARROGATE) • GOG MAGOG (CAMBRIDGE) •

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Fax 01162 696 866

John Greasley

SEE US ON  
STAND C20A  
AT BTME

BRITISH ASSOCIATION OF  
BAGCC  
GOLF COURSE CONSTRUCTORS



## TORO COMMERCIAL PRODUCTS

Stand No. B41

Lely (UK) Ltd, Station Road, St. Neots,  
 Huntingdon, Cambridgeshire  
 Tel: 01480 476971, Fax: 01480 216167

Contact: P Mansfield/D Cole

Toro will be showing the new Reelmaster 2600-D Precision Cut, all purpose triplex mower with a wide 85" cut for highly productive performance and featuring Toro's unique L-I-N-K-S cutting unit suspension system. Also on show will be the new Greensmaster 1600, Toro's latest walk behind addition to the market. Leading Greensmower Series, with a wide 26" cut for high productivity on fine turf. Two important new attachments for the popular ride on Greensmaster 3200-D first shown at last year's BTME will be a grooming and thatching unit.

## TOTRAX LIMITED

Stand No. C18A

Rectory Farm, Langrick, Boston,  
 Lincs, PE22 7AD

Tel: 01205 280518, Fax: 01205 280520

We specialise in tyres for turf care management, with a view to helping greenkeepers, park keepers and contractors keeping their machine rolling. We have expert advice on hand to discuss tyre replacement, alternative tyres, reduction of footprint, increase flotation, or any specific customer requirements. We have on display a small sample of our wide range of tyres, tubes and wheels, with tread patterns to suit most requirements. Also on view is the 15 x 15 prm tyre fitting machine, designed to meet the needs of turf and ATV users, making both removal and fitting of tyres a much easier task. Demonstrations can be arranged.

## TURF-ACTANT PRODUCTS

Stand No. C7

8 Lucas Road, Sudbury, Suffolk, CO10 6WR  
 Tel: 01787 311143, Fax: 01787 377716

Contact: Richard Davies

BTME 1997 marks the beginning of our association with Lincoln based Oliver Seeds who will be showing their 1997 range of amenity grass seeds on stand C7. In addition our new wetting agent Oasis will be launched, together with Up-Markit our spray pattern indicator. As usual Symbio, Service Chemicals and our full range of Turf-Actant Products will be represented together with other new introductions designed to maintain our policy of high quality performance and value. Please come and visit us.

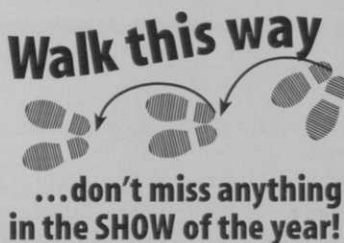
## TURF MANAGEMENT

Stand No. B11

174 Hammersmith Road, London W6 7JP  
 Tel: 0171 413 4553, Fax: 0171 413 4521

Contact: Kate Osborn

Would you like to have the country's top agronomists visit your course every month completely free of charge? Then why not take out a free subscription to Turf Management magazine. Every month, Turf Management gives you practical



advice from the country's top sports turf consultants, such as Jim Arthur and George Shiels. Turf Management is completely free but you do need to come to the stand to register to receive it. You'll also be able to take advantage of a special cut-price subscription offer for Horticulture Week, the UK's best-read weekly for contractors and growers and to sign up for a free subscription to Amenity Management, the essential buyers guide to landscape equipment and products.

## TURFMECH MACHINERY LTD

Stand No. A18

New Road Industrial Estate, Hixon, Staffs  
 Tel: 01889 271503, Fax: 01889 271321

Contact: Clive Carter

Turfmech will be using BTME to launch the New Noblat Utility Truck complete with top dresser. Other products on display will be Landprides MIS 2100 greens material injection system, and overseeders. Also the Turfmech TM 360 XL Tornado blower. Information will also be available on their other ranges:- TurfVAC TM11, Accumulator TA 7/7, Rotadairon stone buriers, Progressive rotary mowers and Landpride "All-flex" reel gang mowers.

## UNDERGEAR EQUIPMENT (RBP) LTD

Stand No. B4

Black Lake Works, West Bromich,  
 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 distributor 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.

## VITAX LTD

Stand No. A37

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

Contact: Trevor Holmes

Since its launch at Saltex 1996 the new Vitax Sport Amenity Product Guide is being acknowl-

edged by many professional amenity turf managers as one of the most informative in the industry. These will be available at BTME 1997. Strongly featured on the Vitax stand will be their leading brand chemicals, Tecto, Fairy Ring Destroyer and Estermone, plus Ultraflo, the UK's leading long term wetting agent. Complementing the full chemical range will be the long established high quality Vitax key range of turf fertilisers.

## WATERMATION SPRINKLERS & CONTROLS LTD

Stand No. B40

Tongham Road, Aldershot, Hants, GU12 4AA  
 Tel: 01252 336838, Fax: 01252 336808

Contact: Joe Turner

Watermation will again be exhibiting at this year's show in conjunction with T&G Turf Irrigation Services. We will be launching both the new GDR range of gear drive sprinklers, which is the golf head version of the GD range launched at Saltex, and Watermation Finance, a flexible scheme which can be designed to suit the individual needs of the customer. Watermation is committed to providing first class irrigation products and services for its customers and has undergone some major changes during 1996. Substantial investment has been made in new equipment for our contracting, manufacturing and administrative operations.

## WARWICKSHIRE COLLEGE

Stand No. D14

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

Contact: Graham Martin

Warwickshire College is a GTC approved centre, delivering NVQ levels 1, 2 and 3 in Amenity Horticulture (Golf Greenkeeping) on a day release basis, along with a two year BTEC National Diploma in Horticulture with Greenkeeping option. We currently run a training course leading towards the IOG National Intermediate Diploma, and offer many short courses such as FEPA, chainsaw proficiency and hedge laying. The College grounds include a range of sports pitches and a small pitch and putt golf course which is being developed by students during practical sessions. Come and see us on Stand D14 to talk about your training needs.

## WELSH COLLEGE OF HORTICULTURE

Stand No. D13

Northop, Mold, Flintshire, Clwyd  
 Tel: 01352 840861, Fax: 01352 8400731

Contact: Graham Wright

The college in Wales offering the complete NVQ/GTC packages (Levels 1-4). This year three students achieved their NVQ Level 4 GTC certificates in Course Management. The Home study course had yet again students achieving Level 2, this course is still proving a market leader for those unable to attend college via the traditional route. The college has embarked on an expansion project of its golf course facilities with the

support of the liaison panel, R & A, the local Tec and the trade. The greenkeepers of Wales can look forward to training with confidence and optimism as the College seeks to expand to meet the challenges of the future.

## WHITE HORSE CONTRACTORS LIMITED

Stand No. C9

Blakes Oak Farm, Lodge Hill,  
 Abingdon, Oxon  
 Tel: 01865 736272, Fax: 01865 326176

Contact: Kevin Smith

White Horse Contractors Limited are celebrating 40 years as one of the country's leading drainage specialists. Over the years, they 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 seven fully equipped laser grade control Mastenbroek 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 construction, drainage, sand slitting, sand grooving, vertidrainage and top dressing, water supply, irrigation, lakes and ponds, access roads, fencing, landscaping etc., all carried out by its own experienced work force.

## WIENENMANN (UK) LIMITED

Stand No. A33

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

Contact: David Rae

At this year's show, Wiedenmann UK will be displaying the popular Terra-Spike P160 with new speed linkage which enables the machine to be operated at higher speeds, producing work rates of up to 3,200 sq. metres per hour. The Terra-Spike comes with all the usual operator friendly features. David Bate, who has 20 years experience within the industry has just joined Wiedenmann UK as Regional Sales Manager for England and Wales and will be on the stand with Director David Rae to deal with your enquiries on Wiedenmann's full range of products. For further information, please contact Wiedenmann UK on 0141 884 2552.

## YORK & MARTIN

Stand No. B8

The Old Manse, 38 Salisbury Street,  
 Fordingbridge, Hants, SP6 1AB  
 Tel: 01425 6522087, Fax: 01425 652476

Contact: Philip York

Requiring independent irrigation advice, then talk to Philip or Michael who will explain how their irrigation consultancy service can help you with your requirements whether they be assistance with economical water sourcing system evaluation, system design or installation. The partnership operates throughout the British Isles and Europe and has completed in excess of 150 projects.



**John Nicholson has just chalked up 25 years at Longridge Golf Club, in Preston, and he recalls his first days the club and some of the early highlights.**

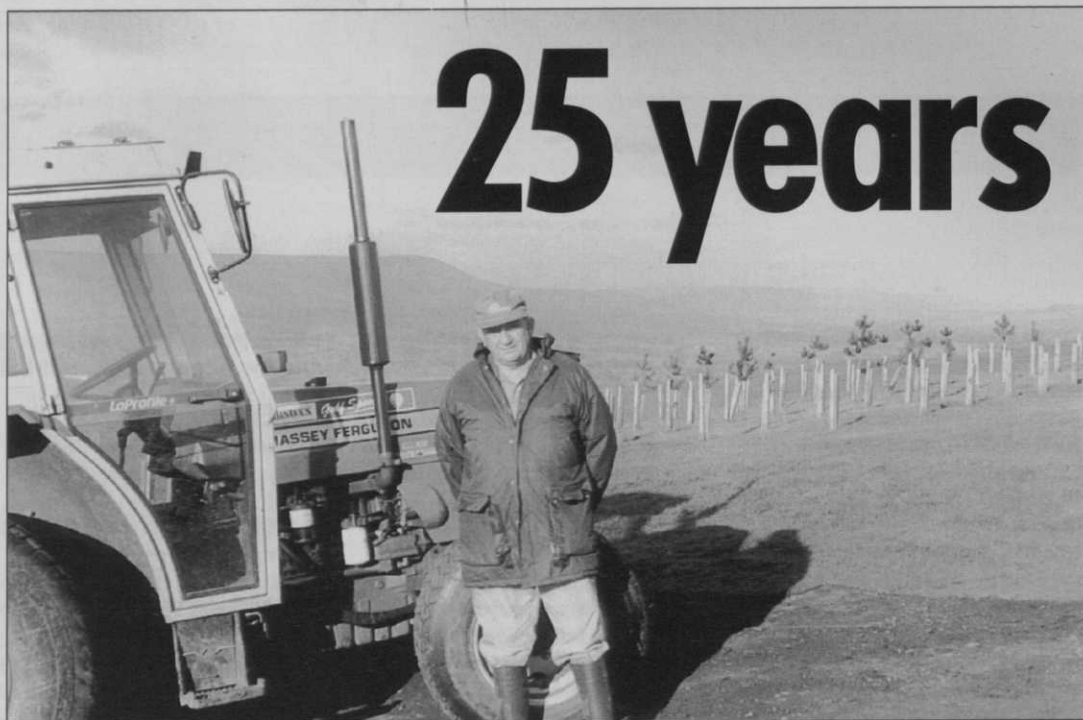
**B**eing presented with a gift for 25 years service to Longridge Golf Club prompted me to look back through my records and it brought back some early memories.

I'd just got married and the need to earn enough for a mortgage made me look for a better paid job. Landscape gardening fitted this need and so I became a landscape gardener and bought a house in Longridge. In July of 1970, however, I was made redundant and the "Employment Exchange" asked had I tried to get a job at Longridge Golf Club, as there had been a vacancy there. After visiting the club I received a message asking me to go up to the Club to meet the Greens Chairman.

A walk on the course revealed that much work was going on as it was being extended from nine holes to 18. It was explained to me that I would be involved with the extension along with the maintenance of the existing nine holes. I was contacted again and asked to attend a meeting at the Clubhouse with another candidate and we were told the Committee could not decide to which of us to offer the job, but as they had all the work of the extension to the course they would employ both of us and a lot of the construction work could be done by us. We asked what other staff worked there and were told none.

On starting I carried on with the practice of record keeping I'd done while landscape gardening and still do, so the following information is from this record.

The greenkeeping shed was an 8' x 16' ex-poultry cabin. It contained two pedestrian controlled hand mowers, a barrow, some peat, a Sisis rotorake, a cyclone spreader and a few hand tools. Outside was a B250 International tractor and loader, a triple set of greens ranger gangs, a tractor mounted rotary mower and a tractor. Against the wall was a pile of timber and some corrugated iron sheets. It was explained that they were to build a bigger shed and more machines had been purchased and would arrive when it had been built.



# 25 years

## at the same club

During the next few weeks meetings were held in the evening to discuss the course and development, and instruct us on such things as hole moving. A drainage contractor installed some drains on part of the development and a tractor, an International 414 and a set of 3 point link mounted Ransome gangs, plus another pedestrian controlled greens mower, which had been away for repair, were delivered.

The end of September – tractor shed erected by two joiners with us acting as labourers. It was an open fronted shed with a dry stone wall acting as the back and the corrugated iron used for the sides and top.

Early October – disease started to appear on the greens and these were sprayed with Verdasan using a knapsack sprayer. An autumn feed was also applied. We also took delivery of a Sisis Auto-

greensman and made a start on slitting the greens. During the autumn of that year most of the new greens had been constructed by a contractor and turfed.

End of October – some cattle got onto the course and walked across one of the greens. This was repaired before dinner. On returning to the green to clear up and leave the area tidy, the hoof marks were back on the green but there was no sign of the cattle. It is obvious what had happened but they had appeared as if by magic. Incidents such as these stick on your mind. In early November the other man left and I was on my own. I suppose I was the Head Greenkeeper.

It was decided to buy fertiliser for the following year in order to beat any price rise and as we had nowhere to store it another cabin was bought and duly erected. I also attended my first demonstration/open day. This was by Sisis at Old Trafford cricket ground.

During the summer in order to save costs the members had been constructing tees, and we divided our time between maintaining the course and the development. In the autumn the tees which had been constructed were turfed. The turf used in the construction was cut from the area to be used for the car park and the practice area. The winter months were spent clearing drains, building tees, and generally making what had been fields into a golf course.

1971 – In the spring the greens

### 'The greenkeeper is your friend'

1996 at Longridge Golf Club – following the presentation of the prizes for the Presidents Day competition a special presentation of a silver tray, decanter and glasses was made to John E. Nicholson for 25 years service to Longridge Golf Club.

On accepting the gift John thanked the Club and said that he had been thinking about greenkeeping and greenkeepers and what they meant to different people.

To the man in the street he cuts grass in summer and plays cards in winter. To some golfers he is the person who has not mown the grass the ball has landed in. He puts the hole in bad places and digs up and alters things when they have just got right.

However, a greenkeeper is a

machine operator, mechanic, botanist, weather forecaster, architect, constructor, gardener, ecologist, irrigation engineer, manager and above all a diplomat. So days can be good, bad but never boring.

So what has greenkeeping done for him? Enabled him to work in beautiful surroundings. Be part of the development of the course. Enabled him to attend seminars, exhibitions and be part of the greenkeepers support team at the Open. And he was always proud to say he was from Longridge.

He thanked his family, especially his wife, who had been there at the end of those bad days, and the club once again and said he would leave the golfers present with a thought.

"The greenkeeper is really your friend".



were fed, solid tined and dressed with sand. A fly mower and another Greens Zepher was purchased. The work was mainly mowing and general tidying of the course. Although the time up to now had been concentrated on greens, tees and fairways, the rough had been let to grow, this would have to be dealt with. It was mown, made into hay and carted off by a local farmer. Up to the present time the rough on the existing course had only been cut once a year (before Captain's Day) and made into hay. This year it was all going to be cut for hay. The policy was then to keep the rough down, so the following winter the stones were removed. It was soon discovered that a lot of the stones were just below the surface. These cause damage to gang mower when they became exposed so a flail mower was purchased. Although it is not used on the rough now – 25 years on – it proved to be the ideal machine in those early days.

Presidents Day – The 18 holes were played for the first time. As there had been very little money available for the building of the extension many members had given up their golf in order to assist. They had dug out and picked up rocks, dismantled and carted away dry stone walls surrounding the fields which were to become the course. All this stone was used under greens and tees.

It has been estimated that 6,000 tons of stone were moved, 1,000 tons of ashes, 5,000 tons of topsoil carted and levelled, 9,500 square yards of turf laid and 8,000 field tiles.

I had been employed to work a 40 hour week, however, it had been a case of working six days a week with never under 50 hours in summer and dawn till dusk in winter, but we had got there. As time and finance had been concentrated on providing 18 greens with appropriate tees, no bunkers had been built and tees were small but this would be put right in the following years as finance became available.

Twenty-five years later this has and is still being done and I still feel this was the correct way forward. The rest of the growing season was taken up mainly with mowing, although the greens were given an autumn feed with the new greens having been occupied first to produce a better putting surface.

#### ANSWERS TO QUIZ ON PAGE 42

1. Janet Adamson,
2. James McEvoy, 3. Sami Collins, 4. Louise Lunn,
5. Neil Thomas, 6. Amanda Freeman, 7. Pauline Thompson, 8. Ken Richardson,
9. John Pemberton,
10. Scott MacCallum

#### (mis)adventures of Gordon the Greenkeeper



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# Lower your outgoings by hiring what you need...

**Roland Taylor takes a look at the option of machinery hire.**

**A** combination of restricted budgets and limited staff can often cause headaches for a greenkeeper, especially when certain work needs to be carried out – but there are often no funds available to buy the necessary equipment.

There is, however, an alternative solution to this problem – hire. This is not the same as leasing of large machinery, but the daily, weekly, monthly or longer hire of specific specialist equipment.

There are several advantages to hiring. The most important one being that large sums of money do not have to be found to purchase a particular piece of machinery. Capital is not tied up in an item that may only be used for short periods at certain times of the year.

Having the latest machine that is right for the job enables the operation to be carried out quickly and efficiently. There are no maintenance costs to take into account and, in the event of a breakdown, downtime is minimised and there are usually no repair bills. From the financial aspect, all hiring costs can be offset against profits.

Another big advantage is that by hiring a piece of equipment first, you can then assess performance and decide whether it is worth buying.

An increasing number of hire companies are recognising the importance and value of what they have to offer greenkeepers. As a result they are now catering for this market.

In the UK there are approximately 8,500 hire outlets, many of which are stores belonging to group or chain.

Hiring from one of these groups or a dedicated landscape/plant hire outlet does mean that should a machine break down you are more likely to get a replacement quickly. Smaller outlets who do not specialise in hire may not have sufficient back-up stock to provide this sort of service.

Bearing in mind these benefits it is worth looking at what type of equipment is available.

## **Earth moving and holes**

The skidster consists of a basic power unit which can be fitted with a trenching attachment for laying drainage or cable. Several sizes of bucket can be fitted for moving soil and levelling sites.

When it comes to fencing or planting trees, there is a variety of earth augers available as either attachments for compact tractors or self-powered hand-held units. Using one of these is the fastest and easiest way to digging holes.

For more specialist soil preparation the use of levelling graders, stone rakes, pickers and buriers will eliminate the need for time consuming hand raking.

Rotary cultivators and two-wheel tractors make fast work of breaking down soil to produce a fine tilth.



Tree stumps are easily removed with either a hand-held or pedestrian operated stump grinder



### Trees, leaves and hedges

Most tree work needs to be carried out by an arboriculturalist or person skilled in the use of a chainsaw. When a tree has been felled there is often a the stump to remove. This can be done using a hand-held stump grinder or larger pedestrian operated unit.

For disposing of light timber and brushwood, a chipper is ideal. The material produced can then be spread directly back into the soil, thus eliminating the need to load on to a trailer before transporting to a disposal site.

Hiring equipment for clearing up leaf fall will speed up the operation considerably. Vacuums and blowers do the job of rakes and brooms; and truck loaders suck the piles of leaves directly into a trailer or other collecting unit.

On a golf course, the chances are that a hedge cutter is probably only used a few times each year, so it makes sense to hire one when it is needed

### Wild flowers and grass

An increasing number of courses are recognising the importance of preserving natural habitats. As a result, areas are being managed to encourage their development. In the case of wild flowers, the vegetation is only cut once a year and for this a reciprocating or some rotary mowers are ideal machines.

The brushcutter too may be used very few times – so again it is worth thinking of hire.

Ditches and banks often present a problem as they are cut infrequently and for these there are flail and rotary mowers – items of machinery that are not always part of the fleet.

For clearing waterways, a tractor with backhoe is better than standing knee-deep with a spade in freezing water.

### Turf management

As far as hiring turf management equipment is concerned, each individual club will have different requirements. A large part of the decision to buy will be based on the frequency of use.

### Other useful equipment

Pressure washers are ideal for cleaning off winter dirt, verdigris and moss from walls and hard surfaces. It can also be used to wash down equipment before servicing.

A portable pump will take care of flooding and a generator puts power where it is needed.

Do not forget your workshops – there are plenty of specialist tools available for hire that make a repair easier to carry out.



A hedgecutter is probably used only very occasionally at a golf course so it makes sense to hire one when it is needed. Below: Earth augers make fast work of tree planting or producing post holes

### What to look for

Asking the right questions when you hire is all important. Most good hire outlets will be able to advise on the most suitable equipment for your particular requirement, but you should find out:

- The age of the piece of machinery.
- Its work capacity.
- Are there any hidden charges in addition to the rate, such as VAT, delivery and collection?
- Will instruction be given to the operator, plus advice on the type of protective clothing

certain that the personnel operating it are trained in its safe use and wear the correct protective clothing.

It is worth checking to see who is responsible for sharpening blades and other wearing parts once the machine has been returned.

The popularity of hire and the rise in the number of hire companies is a firm indication that many commercial end users are turning in this direction. As an alternative to purchase, or for the odd labour intensive job, hire is certainly a very cost effective solution.





# 1997 IS FREE TEE TIME

## FREE exchange of up to 4 of your old tee sprinklers

This offer is open to all golf clubs until April 1st 1997 limited to one Tee per club.  
They will supply you with up to four Hunter sprinklers in exchange for your

### 1 3 1 Tee Sprinkler



Discharge 14.4 to 119.2 LPM  
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Nozzle trajectory, std - 25°  
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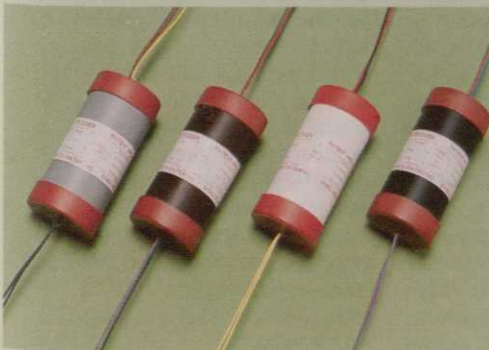
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# NEW PRODUCTS

■ An innovative computer programme linked to a fertiliser system has been launched by Ritefeed. The system enables Course Managers to select the precise nutritional value required by the turf and also specify the sources of nitrogen so the period of release can be controlled.

"The development of this advanced computerised programme is essential in the accurate identification of the actual requirement of our turf areas, ensuring wastage is kept to a minimum," said Jimmy Kidd, Director of Turfgrass Management, Gleneagles Golf Developments, joint innovators of the new concept.

"This system enables us to provide the most up to date monitoring, recording and identification of turf needs today, satisfying the requirements of the environmentalists on three continents," he added.

"We are absolutely delighted that not only have we been able to manufacture this advanced new system, we have been able to call on the vast experience within the Gleneagles Golf Developments group to assist us with the various aspects of the development, from the initial specification right through to the field trials," explained John Walker of Ritefeed.

■ Turton Safety Ltd the specialist supplier of brand leading personal protective equipment has launched its custom made mobile dispensing vehicle, to deliver the widest range of safety footwear direct to your doorstep.

While specialising primarily in the UVEX range of safety footwear, stocks can be tailored to suit your own individual requirements, providing an instant viewing, selection and "measuring up" facility from up to 800 pairs of footwear, at any time.

On-site visits can be arranged to suit your shift patterns, changeovers and rest periods, with Turton's trained staff ensuring the correct specification for all employees. This concept eliminates time consuming difficulties that can arise from the more usual mail order arrangements.



■ The European launch of two New Verti-Drain machines from Charterhouse will be made at BTME '97.

The new models will replace the existing Popular Verti-Drain and the best selling Greens

Verti-Drain.

Faster over the ground than their predecessors the new models can be operated without creep gearboxes being fitted to the prime mover and the re-design has been specifically

focused on providing greenkeepers with an excellent finish to their turf after the shatter tining process.

For further information: Tel: 01428 661222, Fax: 01428 661218.

Telephone Turton's sales information lines between 9-5pm Monday to Friday on 0121 550 9014.

■ Pollution control specialist AMEG Ltd has launched a new water recycling system which can save a considerable amount of cost to organisations who need to buy water, as well as reducing demand on the public systems.

The "Drought Buster" is an automatic system which collects rain and waste water from roofs and drains within the building, stores it in a tank, and filters it to produce a very pure supply, created almost entirely "in-house".

"People do not take advantage of the water which falls freely on their property, even though there are always gutters, pipes and drainage channels which make it easy to collect," says John Webb, of Cheshire-based AMEG

Ltd. "Just 10,000 square metres of collection area can gather 2.2 million gallons of water a year, which would otherwise cost in the region of £6,000 to buy.

"It really is pouring money down the drain, because the rain and waste water goes into the public mains for treatment and then has to be re-purchased," he adds.

Although the Drought Buster system uses very advanced filtration equipment, it is very simple and requires only minimal maintenance. A small sump tank is fitted at a convenient point on a drain or downpipe which moves the water collected, up and through a sand filter to remove any solid matter.

The filtered water is then treated to kill bacteria, algae and most fungi, and stored either in a tank or open pool. When required, the reclaimed water passes through a very efficient

activated carbon filter to remove all organic compounds, including oil, grease, and detergents. The result is very pure water at low cost.

The process is completely automatic, requiring only topping up of the chemicals and filter changes. As a back up the system can be integrated with the public mains supply, in case additional filtered water is required.

"It's a very efficient system, and we feel confident that as the costs of transporting and processing water continue to rise, more and more companies will see the advantages and savings available by installing their own mini water treatment plants," concludes Mr Webb.

For further information: Tel: 01625 614675.

■ Field Trials by the STRI have been concluded and



complement the success of tests already confirming that anchoring divots ensures rapid regrowth of the turf.

With the escalating costs of fairway maintenance and irrigation installation, it is sensible to preserve mature divot turf by anchoring, especially during the winter period.

Originally intended as an aid for greenkeepers it is apparent that Divot Anchors should be used primarily by the golfers themselves who habitually take substantial divots.

Newart has now made available a "Locker Room Dispenser" to hold divot anchors which also advises on the reasons for their use and anchoring instructions.

Players can now anchor their own turf and any other substantial displaced divots they encounter during their round.

The member has then made a meaningful input into maintaining the quality and appearance of his Club's fairways and Tees.

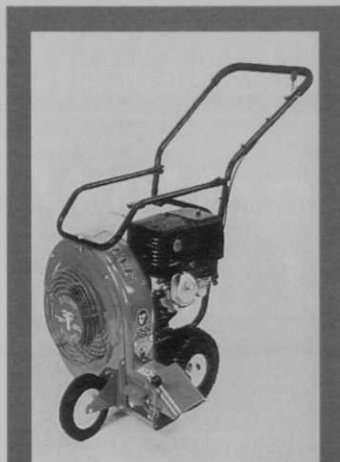
The Locker Room Dispenser is offered free with very initial order of 500 "Tuff Tie" Divot Anchors, available from Distributors in accessories.

For further information: Tel: 0181 445 1603.

Efficient competitively priced and tamper-proof – that's the specification for the latest addition to the Maddalena range of water meters.

Manufactured on a completely automated production line – the first of its kind in Europe – the new ONE TRP Single Jet Water Meter meets a long felt demand in providing a unit which combines the price and easy installation advantages of a simple submersed meter with the long life reliability, accuracy and tamper-proof characteristics of a sealed unit.

As a result, the Maddalena ONE TRP is suitable for a huge range of secondary metering applications in domestic and commercial properties, on farms, mobile home sites, marinas and in public sector buildings such as hospitals and schools – wherever there is a need to keep an accurate check on water consumption in the sure knowledge that the meter is impervious to



Pinnacle Power has introduced improved Billy Goat Blowers to the UK, with a range of 5, 8, 11 and 16 hp models.

"Reducing noise levels is a constant part of Billy Goat's development", says Ian Lobb of Pinnacle Power. "As far back as 1988 they opted for exclusive 14-blade nylon fans on the Quiet Blow models."

Tests show that nylon blades together with venturi intake and rounded blower housing on the new models not only eliminate unwanted "gyro" effect produced by steel fans, but also reduce the noise emissions by 6dBA.

With operator comfort and noise pollution becoming more and more of an issue, Billy Goat Blowers are taking the lead in ensuring maximum power with minimum noise levels.

For further information: Tel: 01753 576655.

tampering by means of magnets etc.

The Maddalena ONE TRP meter is a single jet inferential type designed for direct reading of cold water consumption by means of numbered drums. The drums are housed in a sealed capsule filled with a special liquid and governed by a device which maintains equal pressure both inside and outside the retaining capsule. An anti fogging system ensures a clear reading of the consumption indicated in all conditions and the ONE TRP meter can be safely used with any kind of water even if particularly hard scaling, or muddy.

The meter features a brass alloy construction for body and cap with a protective plate glass viewing panel above the sealed capsule which houses the numbered drum indicators. The unit cannot be influenced by external magnetic fields.

Four sizes are available from

1/2 inch (13mm) to 1 1/4 inch (30mm) for working pressures up to 16 bar. Special versions of the meter are available for hot water applications up to 90°C and/or for data transmission by telemetry.

The new Maddalena ONE TRP range offers hydraulic performance according to Class B EEC 75.33.

For further information: Tel: 0181 941 7177.

British Seed Houses has launched its new range of "Regional Environmental Mixtures", in addition to the extensive range of "Grade A" amenity mixtures.

Regional Environmental Mixtures are wild flora mixtures whose make-up is based on the National Vegetation Classification Survey (NVC).

It is the very first time that wild flora mixtures have been produced and presented to the market in this way and the new range combines the benefits of quality, performance, flexibility and ease of use. The mixtures are simplified versions of plant communities growing within the UK.

As well as simplifying the specification process, another important advantage of the range is that it provides reassurance that the chosen mixture is ecologically correct for the identified geographical area. This is because, in addition to soil type, the make-up of each mixture takes into account other influencing factors such as rainfall, altitude and aspect, which also play a major role in wild flora establishment.

The Regional Environmental Mixture range is formulated using wild flower seed stocks derived only from UK native origin. Seeds are produced and harvested in single species so that quality in terms of trueness to type, germination and purity can be carefully monitored.

Allen Power Equipment Ltd has diversified by adding a new product range to its portfolio, which is designed to sell-out in all seasons – Thunder Karts. Already well known for its garden/estate machinery and out-

door power equipment, Allen saw the Karts as a natural extension to its product range. They are ideally suited to both their national network of dealers (who have been providing the Karts since October 1996) and the existing customer base.

Golf Clubs wishing to increase the range of facilities and 'attractions' they can offer their members may well feel Thunder Karts provide the ideal solution.

The Thunder Karts from America (where they have been produced for 20 years) were chosen because of their top quality manufacture. Three models are available, SLXL700, XL700 and Thundervette, all powered by 5hp Briggs & Stratton engines.

Important safety features, which are incorporated into the design of all models, include a unique throttle override system (which ensures that when the brakes are applied this immediately overrides the throttle) and a safety flag. The XL models also include seat belts and a safety cage, for added protection.

Lance Bassett, Sales Director at Allen reported that "As the weather pattern in the UK is continually changing from year to year, we felt Allen needed a range of products that was not connected with grass cutting.

"Thunder Karts provided the ideal answer as dealers are already well conversant with the tried and tested Briggs & Stratton engine used to power the Karts. In the US sales increased by 30% last year and we are sure Thunder Karts will have equal appeal in the UK."

Aimed at the teenage market, the SLXL700 and XL700, are both double-seat, single wheel pull versions, with band brakes and automatic chain adjuster on the 41" chain. The SLXL700's overall size is 72" x 40" (front and rear cleat tyres 5.30x6) and XL700 is 66" x 40" (ATV Tyres 145/70x6" front and rear).

The third Kart is the single seat Thundervette (based on Corvette) with fibre glass body on the standard Thunder Kart chassis.

The rsp of the Karts starts at £999.95 (including VAT) and further details can be obtained: Tel: 01235 813936.



# Around the Green

Keeping in touch with news and comment from the regions

## SCOTTISH REGION

Elliott Small  
Tel: 01259 731445

### Ayrshire

The Section AGM was held in the Parkstone Hotel at the beginning of December and it proved to be an interesting meeting.

There were some changes on the committee this year. The Chairman is Ian McNab and two new committee members were elected they are Jimmy Johnstone, of The Turnberry Hotel Golf Course, and Brian Finlayson, a past Chairman, who is returning to the Committee. A full list will be published in the next magazine.

After the AGM Robert Bruce and Bob McKay presented a quiz this was well received although some of the questions would not have got lost in Mastermind. It was great fun and the one liners were good, but don't give up your day job Robert.

The results were as follows:

Third equal: The Snowmen and The Sick Notes; Second: The Gaffers; First: The Dunderheids

Names of team members are withheld to save embarrassment or vanity. The company then headed off into the night to sample the delights of the Prestwick Taj Mahal.

The snowy weather meant that Steven Knaggs and the Chairman could not get home that night and ended staying with Bob McKay in Prestwick. That's one they owe you Bob. The Breakfast will have to improve though.

Congratulations to John and Susan on the birth of their daughter, Chloe. John is a member of the greenkeeping team at Glasgow Gailes and Robert Bruce would like to pass on to the staff there the message to keep reading the magazine.

Jim Paton

### West of Scotland

May I wish everybody a happy new year and best wishes, hopefully you all had an enjoyable time and aren't suffering too much from the new year Booze blues.

A few things to mention, firstly, on a very sad note, may I take this opportunity on behalf of the Section and parents alike to



extend our heart felt sorrow to Campbell Wallace at Wishaw GC. The bereavement of any member of a family is a very saddening time, even more so when a young person is involved. The section can only express their sorrow at the untimely death of your son.

A Wildlife talk is arranged for January 28, at Finneston and I am sure all members would be welcomed.

New members to the section are Dennis Tweddell, Scott McKittrick, Kirkhill GC, we look forward to seeing them at future events.

A diary of events is being prepared and should keep members informed.

A football match (trial) will be arranged for January - North of River against West of River. Anybody interested please contact Gary Burns, at Lenzie GC. Brian Hill, at Drumpellier GC, or myself to let us arrange numbers.

BTME is approaching and unfortunately I cannot attend, but comments would be appreciated if you can pass them on.

Finally the annual dinner at the Admiral Bar on November 29. The turnout on the evening was poor but the majority attending seemed in high spirits. The comedian was slightly late but proved worth the wait. I would like to extend the Section's thanks to John Tainy and Kenny Hunter for the work they put into organising the event.

A report on the AGM and football will follow in next month's issue. Once again if anybody has an interesting fact please contact me on 0141 942 5554. It only takes a phone call.

Stuart Taylor

### North

A sad note to begin this report with the tragic death of young Strathpeffer greenkeeper Gary MacIennen towards the end of last year. Our sympathies go to his family, friends and workmates at this time.

The Section AGM took place at Cullen GC. A small number of hardy souls participated in the Chairman verses Vice-Chairman golf match in the morning over this lovely cliff side course. Martin Dodds and his staff had the course in fine condition especially

as only recently it had been completely flooded. Martin had the photographs on display.

The Vice Chairman's team, led by Hughie Maclatchie, emerged victorious by 3-2.

The AGM passed off smoothly with Hughie Maclatchie taking over as Chairman from Andy Wilson, and myself becoming Vice Chairman. Dougal Duguid remains as Secretary with Sam Morrison taking on the Treasurer's job. Our two St Andrews committee men, the Gordon's Moir and McKie stepped down and were replaced by Stephen Sullivan, Craigiehill and John Geddes, Ellon.

Gordon Moir has been a long time server on the North Committee having been Secretary for several years and, more recently, Treasurer - indeed he has served Section, Region and on the Board of Management, so he has earned a break from officialdom, although his input will be sorely missed.

Gordon McKie has also done his bit for the Section over the years and we must thank them both and look forward to seeing them at future outings with their feet up, so to speak.

Incidentally, I hope Gordon McKie has recovered now from his recent operation and will be fit to make use of his prize of a couple of days at BTME in Harrogate. Gordon maintains the Section record of winning in the magazine's BTME competition.

Congratulations to Stewart McBain, Hazlehead, who came second in the Miracle Professional Premier Greenkeeper of the Year Award at Aldwark Manor in December. Stewart has worked very hard in turning Hazlehead into one of the top public courses in Scotland so this is just reward for his endeavours. Well done. I believe old friend, Huw Morgan, came third. So well done Huw, You can buy the first round at Harrogate.

The final four draw's for the Section's 200 Club were made at Cullen with the following lucky people winning: September, £30, Steven Frost, Aberdeen; October, £30, Bryan Beaton, Aberdeen; November, £40, Mark Ross, Elgin and December, £100, George Asher, Kemnay.

I would like to take this opportunity to thank everyone who bought tickets and supported the Section last year and hope you will all do so again this year as the 200 Club is our only real fund raiser.

See you all at Harrogate!  
Iain Macleod

## NORTHERN REGION

Bob Lupton  
Tel: 01782 750539

### North East

The start of November brought chaos to the region with winds of over 90 miles per hour, Matfen Hall was one of the casualties losing an oak tree which was over 200 years old on the 13th hole. Also the 4th and 7th holes were hit with large branches breaking off - see the picture on Page 4 of this magazine.

Slaley Hall has been chosen again for the European Tour in 1997. Hopefully we will see some big names this time and perhaps more greenkeepers giving a helping hand when needed.

The annual match against The East of Scotland was recently played at Matfen Hall the Cup was retained once again by the home side winning by 4-2 our thanks to Stewarts of Edinburgh for sponsoring both the prizes and meals, also to John Harrison, Director of Golf, for courtesy for the course.

January brings the BTME again no doubt someone will be providing a coach so keep in touch with your local reps.

Jimmy Richardson

### North Wales

As you may already know Phil Davies, of Mommersteeg, due to work commitments, is standing down as our Vice President. Phil requested the following message be read at the AGM and for those that were not at the AGM I include it here:

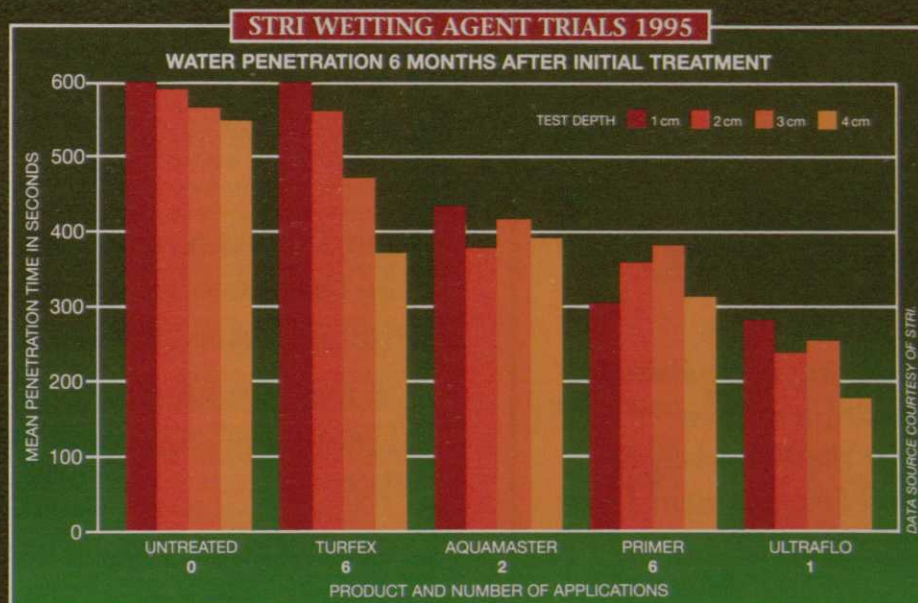
"At the AGM in 1995 I was extremely honoured to be nominated as Vice President and it is with a great deal of regret that I must step down from that appointment. My new role and duties with Mommersteeg make it difficult to be present at Committee meetings and Section functions, this coupled with





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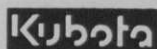
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## Around the Green



supporting BIGGA under the Golden Key circle does not allow time to support the Section in full.

I would like to thank the Committee and members for the support over the many years I have been involved. It is my intention to remain a Section member and provide assistance wherever possible.

My very best wishes for the future."

I am sure that I speak for all the members when we wish Phil the very best for his future and thank him for his services to the Section.

On Wednesday, January 22, 1997, the Section will once again be providing coach transport to the BTME at Harrogate. The coach will leave Llandudno at 7am, stop at Abergele GC at 7.20am, Welsh College of Horticulture at 7.45am and finally opposite the Little Chef at the 2 Mills traffic lights at approx 8am. The coach which will leave Harrogate at the end of the AGM is free for members and £10 for non members. However, members who reserve seats and subsequently cancel them on or after January 13 may be charged a £10 cancellation fee. Please reserve your seats by contacting me before January 13. Remember to pre-book your entrance to the show before January 13 or take your chances in the queues.

On February 26, 1997 the Welsh College of Horticulture will be hosting an Organics Seminar given by Rigby Taylor. Originally this seminar was aimed at golf courses and greenkeepers within Wales. Rigby Taylor have asked that any members of the North Wales Section, who did not receive a invitation, are cordially invited to attend.

There will be four speakers on the following topics:

10am Chris Peal, Agronomist, Soil conditioners, seaweed mineral supplements

and organic turf dressing; 11am Andrew Law, Martin Bros, New Organic turf top dressings; 12 noon Buffet Lunch; 1.30pm Dr Neil Baldwin, Service Chemicals, Wetting agents, dry patch, fairy ring and associated problems; 2.30pm Andy Cawley, Dow, Weed Control and organics; 3.30pm, Questions and answers; 4pm Close.

Please contact Rigby Taylor on Freephone 0800 424 919 and tell them whether you will attend

morning, afternoon or both, this will ensure that there will be adequate eatings and seatings.

Also at the Welsh College of Horticulture on March 27 '97 at 12 noon. Boughton Loam will be giving their "Little and Large Show" on grasses, top dressings and root zones. I understand, from people who have already attended these talks, that it is a most informative and interesting two hours. Please contact me by the end of January so we know how many will be attending.

It is proposed that in June '97 the section we will organise another trip to Holland. The trip will take in a visit to the Gem quarries at Wroot, the Mommersteeg facilities at Vlijmen, a golf course and also a turf producer. There would be a one night stay in Amsterdam followed by a free morning before returning. Typically the trip would start at 10am on Thursday, returning to Northop at 12 noon on Sunday. In order that we can judge the requirement please contact me if you are interested in going.

We were sorry to hear the sad news that one of our members Francis Jones died suddenly on Thursday, November 14.

Please ring me on 0151 336 6675 if you have anything that may be of interest to your fellow greenkeepers.

Trevor Johnston

### Cleveland

Darren Crang, assistant greenkeeper at Darlington GC was married in September.

Philip Laws, 19, apprentice, also at Darlington GC, is training at Hanghall College Durham.

Head Greenkeeper Paul Moore, Darlington GC, has a problem with tree roots getting to close to some greens bunkers. He has to root prune these. He and his staff have completed some red laid core paths which his members are happy with.

Recent wintry weather is slowing the grass growth and giving us a chance to finally clean up fallen leaves which had blown into ditches and hedge rows.

Winter greens do come in useful on heavy land in wet frosty weather conditions.

Bishop Auckland Head Greenkeeper, David Crocher and staff, have relaid two more greens to USGA specification.

He first did two a year ago and is delighted with the results. Originally the old greens had a serious drain and thatch problem. Congratulations to James Braithwaite from Hallgarth Hotel and Country Club Darlington on his move to Long Ashton GC in Bristol.

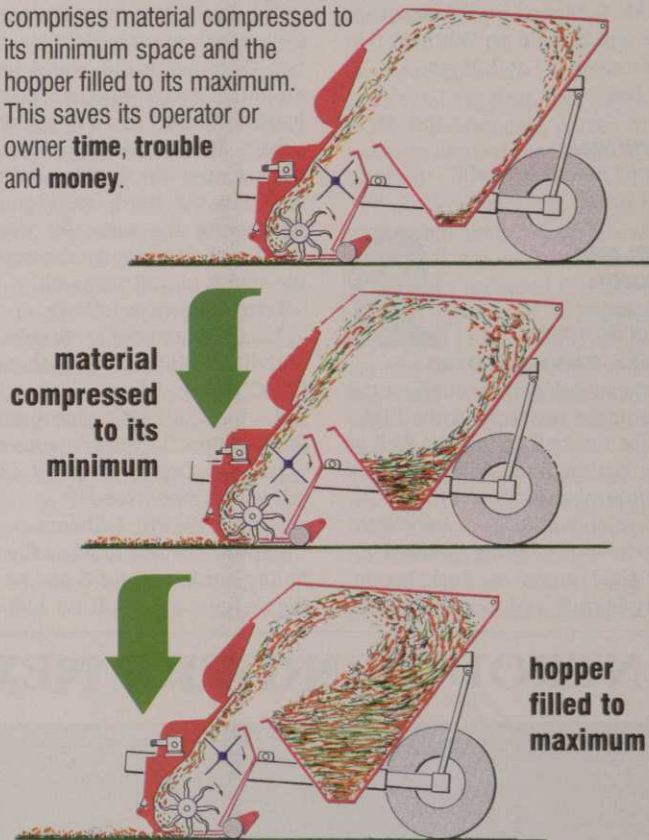
Bruce Burnell

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### Sheffield

Happy new year to all!

On November 7 we held our winter lecture at Rotherham GC. Our thanks go to Mr John Le Mar from Bio - Lube Uk Ltd on an interesting lecture which was enjoyed by a good number of our members.

Unfortunately, due to bad weather, our Christmas competition which was to be held at Wortley GC had to be cancelled but will hopefully be played later this year if possible.

Our next lecture will be given by Mr R Moore from Levingtons and will be held on February 6 at Rotherham GC at 2.30pm

J V Lax

### North West

Happy new year to all!

Bert Cross

### MIDLAND REGION

Peter Larter

Tel: 01480 437507

### Bucks, Berks and Oxon

I have mentioned throughout the season the progress of the Rigby Taylor fourball knockout. Well at long last the final took place back in November at Castle Royal GC. It turned out to be a very tight match with it being decided on the final green as dusk set in. Tony French and Geoff Wheeler,



## Around the Green



Lambourne GC, were triumphant over Peter Critchley & John Thorne, Three Locks GC. Thanks to Rodger Bowles for sponsoring this tournament it's much appreciated by all the people who participate.

The last golf day took place at Calcot Park again back in November. Once again this was a well-attended event with 42 people battling it out for the splendid prizes. The weather could have been kinder for Simon and his staff but the hard frosty conditions were the same for everybody and judging by the scores the course played very well.

Prize winners as follows:

1. G. Patience/J. Brooks/B. Melville, 95pts; 2. V. Riches/N. Ely/C. Riches, 84pts

3. R. Clarke/C. Jacobsen/P. Reeve, 80pts (last year's winners)

Longest Drive, S. Adby (310 yds with a three wood?)

Nearest the Pin, I. Holton

Congratulations to Nigel Ely for holing out in one for 5 pts! As he didn't have any cash on him he

has promised to buy us all a drink at the next event - That should boost the numbers.

Thanks to all at Calcot for making the day a success it was much appreciated by all. Thanks to all the trade support as usual not just for this event but for your continued support throughout the season.

The golf was followed by the AGM which was carried out without any problems. The present committee was voted back on en bloc for another term of office. The newly appointed Regional Administrator Peter Larter attended the golf and meeting, giving us a brief insight into his role with the Association. Thanks for attending, Peter.

Venues for 1997 are as follows: Castle Royal, Badgemore Park and Lambourne as yet no firm dates are fixed. Fixture lists will be posted in time for the first event.

Lindsay Anderson

### East Midlands

This year's AGM and Texas Scramble golf match was played on November 6 at Hinckley GC. Despite some very heavy showers and strong winds some excellent golf was played. The winning team consisted of the following members A. Porter, C. Chamberlain & C. Bates; 2. C. James, G,

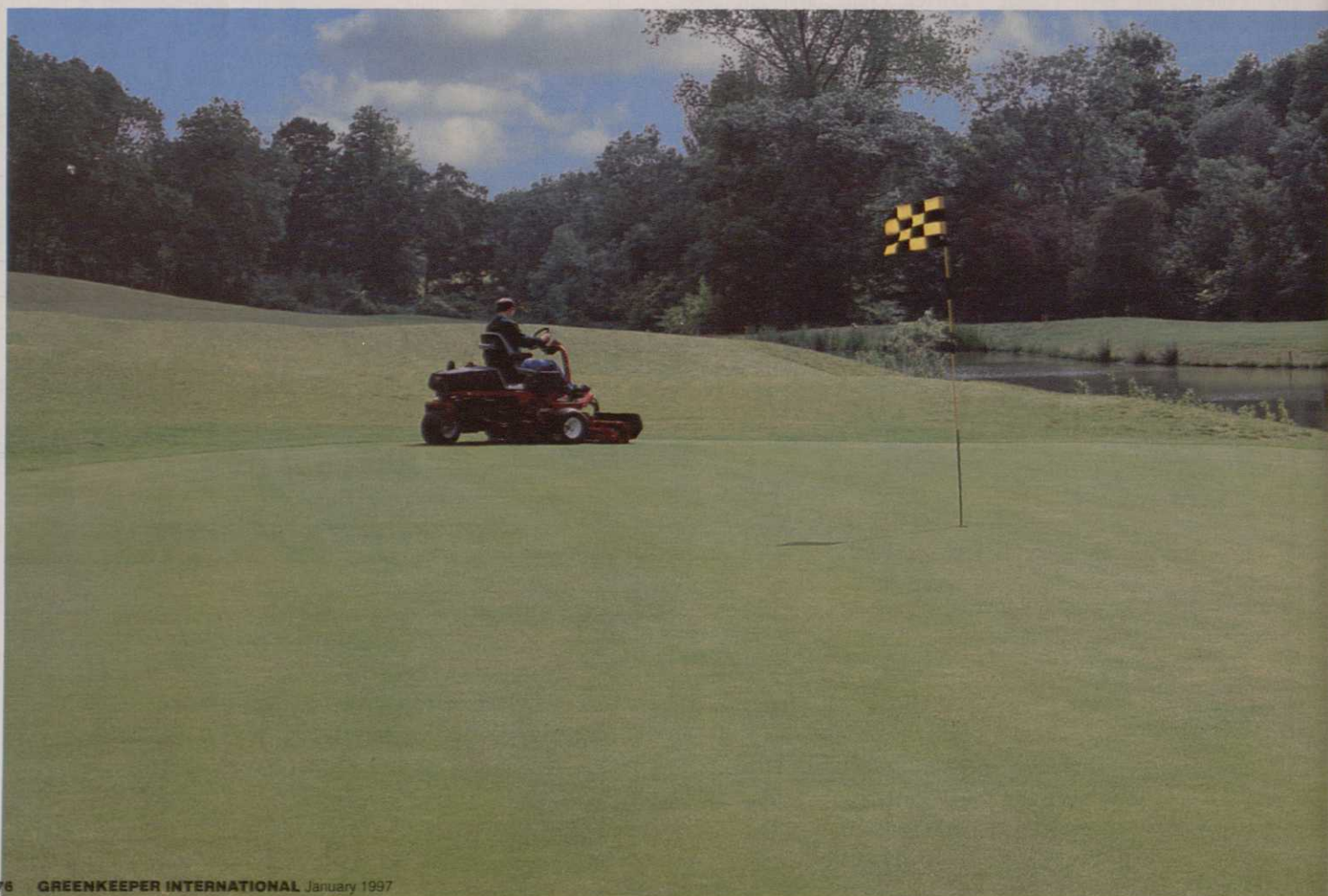
Thurman & M, Johnson; 3. R. Barker, K. Sissins & T. Allard.

Moving on to the serious business of the AGM, which was a lot longer than usual (34 minutes), there were no major changes to the Committee so you will have to suffer my reports for another year. However, there is concern over the lack of numbers in attendance, at the AGM only 23 Greenkeeper members. The Committee consist of the following people. Chairman, T. Allard; Vice Chairman, D. Leatherland; Secretary, A. Bindley; Treasurer, R. Barker; Committee Members, P. Tatlow, A. Porter, P. Forshaw, G. Arnold and G. Robson.

Thanks should go to Hinckley GC for hosting our AGM and providing us with an excellent golf course for our tournament and to Andy Sharpe -Steward - for a great meal. Last, but by no means least, I would like to thank Vitax for sponsoring the day.

On March 5 a new fixture has been arranged at Lingdale GC. The format for the day is a Better Ball Stableford competition. This will replace the old pairs K/O tournament. The tee has been reserved from 11am and is restricted to full members only. No entry forms will be sent out, so should you wish to attend please give me a ring and I will forward you a entry form.

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Finally, if there are any members who have not been receiving their entry forms over the last 12 months please give me a ring so we can sort out the problem.  
Antony Bindley

#### Midland

Firstly the Midland Section would like to congratulate Cedric Gough and his greens staff at Broadway GC, on the achievement of winning the Miracle Professional Premier Greenkeeper of the Year. As mentioned in an earlier magazine I have known Cedric for around 21 years working for him in my formative days.

Also I would like to congratulate Noel Greene for his achievement in the Toro Student Greenkeeper of the Year Award, and the golfers of the Midland Section who have done so well individually and as a team.

As these are my last notes for the magazine, I would like to thank everyone who has helped me during my two years as Secretary. After the AGM the new Secretary will be appointed and will appear in the February magazine with a list of new section committee members.

I hope you will have a good year's greenkeeping and still hope to keep in touch with the members.

Kim Blake

#### SOUTH WEST AND SOUTH WALES REGION

Gordon Child

Tel: 01803 844056

#### South West and South Wales Region

In spite of the inclement weather the South West & South Wales Regional Seminar at Cannington College on November 27 was a pleasant few hours of different learning. We were unfortunate enough to lose one of our speakers – Bill Lawson at the 11th hour due to illness, but our old friend Uncle Jim stepped in and presented a super paper on the last 50 years of greenkeeping on golf courses. We hope that Bill makes a speedy recovery.

Our thanks must go to our sponsors for the day Rhone Poulenc and the paper given by Paul Clifton, really informative and out of the ordinary. Our student speaker Simon Fearson has had quite a few exciting experiences in his 22 years, and he held the attention of us all. George Brown and his Turnberry picture show – his words were not mine – was extremely interesting. Thanks for coming down George.

After lunch Gordon Irvine gave us an insight into his role as General Manager/Greenkeeper at Mill Ride GC. A role in which his determination opened up a new



world for him. Finally our own BIGGA Road Show with "the team" to run through BIGGA and how it can work for you.

It was a super day, a good turn out, shame about the weather.  
Gordon Child

#### Devon and Cornwall

A happy new year to you all.

I hope you have had an enjoyable festive season which has recharged your batteries for another challenging season ahead.

The Section's first meeting of the year will be held at Fingle Glen Golf Complex on Wednesday January 15 the day will be sponsored by Barenbrug seeds. Hopefully the day will have something for you all. In the morning there will be a choice of 9 holes of golf or workshop on irrigation maintenance, our afternoon seminar on irrigation will follow lunch.

Launceston GC was the venue for the Section's November meeting and AGM held on Wednesday November 6.

As always the day started with golfing members competing for the Toro Trophy which was played in a foursome format. Our non golfing members were treated to the course walk by Head Greenkeeper, George Baily. Nice to see you again George!

After an excellent lunch Alan

Dommett, from Devon Garden Machinery, presented the prizes on behalf of Toro and DGM.

1. Chris Bland, Dainton, & Tim Martin, Torquay, 36pts; 2. Richard Daly, Exeter, and Steve Milne, Exeter, 33pts; 3. Trevor Reynolds, Saunton, & Tony Gooch, Tarrington, 32pts

The Section would like to thank Launeston GC for allowing us the use of their facilities and to all their staff who made us so welcome. Special thanks to George and lads who worked hard to make the course payable after all the recent rain.

Our thanks also to Devon Garden Machinery and Toro for their continued support. The Section's AGM followed the presentation and was opened by Chairman Bill Mitchell.

The Secretary in his report mentioned some notable events that has happened over the last year which included the section's seminar sponsored by Barenbrug seeds held at Fingle Glen in January and the Section's March meeting held at Churston GC as members bid Gordon Child a long and happy retirement.

The Secretary thanked the trade for their continued support over the year and for their donation towards Gordon's gift.

The Secretary moved onto the regional front and mentioned the

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changes that had taken place to Westurf '96 and continued with the regional Hayter final held at Salisbury & South Wilts GC. He informed members that all who attended enjoyed the hospitality shown to them by the club and Hayter. The Secretary thanked the Section's President, John Palfrey, for kindly driving the mini bus and helping with the organisation of the trip.

The Secretary moved on to the recent review of the Association's constitution and informed members that after consultations with Sections and Regions the new constitution was recommended to the AGM at Harrogate and approved.

He advised members that with regret he had to inform them that Regional Administrator, Gordon Child, would be retiring from office next summer after 10 years, and continued by saying all good things come to an end, and extended the sections good wishes to Gordon & Marion for the future and thanked them both for all their efforts.

He thanked the members who had returned the Section's recent survey forms and informed members that the results are now available for viewing at section meetings or by contacting one of the Section Committee members.

Members were presented with

## Around the Green



the financial report, the Secretary explained that the Section accounts were over an 11 month period as the year end was now September. The approval of the balance sheet was by proposed R. Parr and seconded by E. Barber and approved.

The Chairman opened his report by informing members that the last 12 months had been very successful for BIGGA. The Chairman thanked the Secretary, R. Whyman, the Region's Administrator, Gordon Child and Marion Child, for all their hard work put into BIGGA over the year. He also thanked Steve Evans for his administration of these events the only concern he had was the number of non members attending these meetings. On closing his report he informed members he was tinged with a little sadness with the announcement that Gordon and Marion would be standing down after next year's Westurf trade show, after 10 years at the helm of our Region. He continued by informing members that Gordon and Marion had started the

show and asked every member to attend and to make their last show in charge the most successful yet.

The President opened his report by thanking the Chairman and Secretary for all their hard work put into the Section and Association over the last year, on a personal note, the President thanked Gordon Child, who had helped him in his early days in the industry. He continued by wishing Gordon and Marion a long and happy retirement and thanked them on behalf of all the trade for their help and understanding shown to the trade over the years.

Election of Officers. Chairman, B. Mitchell; Secretary & Cornish Member, R. Whyman; Vice Chairman, S. Evans; Devon Members: J. Parr, R. Wisdom & C. Rawlings; Trade Member – three year term – R Guntrip; Regional Board Member – two year term – Bill Mitchell Richard Whyman

### South Coast

Here we are again the start of another year. Firstly, I would like to wish all our members a very happy and prosperous new year. What's better than starting the year on a high note.

Our first winter lecture which was held at Bramshaw GC was a great success. Our speaker was none other than our Executive

Director, Neil Thomas, and around 50 of our members were there to hear Neil update us all with what is going on at headquarters. The question and answer session that followed proved very interesting. It covered a wide variety of subjects, they included NVQ's, Membership, BTME, Staffing, Magazine, proposals for new headquarters, The Federation of European Golf Greenkeepers Association, the Legal Helpline and a host of other subjects. The discussion could have gone on till the early hours of the morning, however the Chairman eventually had to call a halt. I think that all the members that attended found it to be very informative and a well spent afternoon. I know that Neil was well pleased and took a number of comments back to Headquarters with him. For those of you who attended I would like to say thank you Neil for making it a successful afternoon.

Our next winter event will be held at Bramshaw GC on Wednesday February 5. At 7pm your committee has organised a quiz and social evening, this will be a chance to bring your friends, wives, girlfriends etc. Hopefully this will turn out to be an enjoyable evening. There will be prizes for the winning team we look forward to seeing you all on the night. The more the merrier.

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Our education committee has managed to find some very good speakers for us for our seminar at Sparsholt College, to be held on Tuesday, February 18. The speakers include Duncan McGilvray, the Course Manager at Letchworth, Duncan has spoken at a number of seminars, he has also written a number of articles in the magazine and always attracts a good audience. We also have Scott MacCallum, our Editor. This is a good opportunity to put forward your views, and also ideas to improve the magazine. We then have two students from Sparsholt. They will be talking about a greenkeeping subject of their own choice. Bio Lube will be giving a paper.

Details of the speaker are not yet known. More news next month. To round of the proceedings we have Joe Paulin from the London Golf Club. Joe has also spoken to a number of seminars and is a very popular speaker. The cost for the day £15 for members and £20 for non members. This includes lunch. Programmes should be through your post box within the next week or so. All applications along with cheques to: Jeff Drake, 10 Cold Harbour Lane, Salisbury, Wiltshire, SP2 7PW.

By the way Jeff's new telephone number is 01722 503938. Jeff is eagerly awaiting your enquiries. He is preparing himself for a flood of applications.

At the time of going to press we have 11 members making use of the Region's coach trip to BTME. A small coach has been arranged and I shall be in touch with you all with details of times pick up points etc shortly.  
Ken Lodge

### South West

November has been a busy month for the South West greenkeepers with our autumn meeting, followed by the AGM taking place on the 14th at Bristol and Clifton GC and the annual seminar taking place at Cannington College on the 27th.

An excellent turnout of 60 people gathered to do battle at Bristol and Clifton on a calm but somewhat overcast day and the first impressions of the course were somewhat surprising. How can a course be presented in such immaculate condition in mid November? That's what I would like to know. But perhaps I am just talking for myself. Anyway thanks must go to John Barr and his crew, one of whom judging by the scores must spend most of his waking life on the practice ground.

The results were as follows: 1. James Coverdale, Bristol & Clifton, 43pts; 2. Maurice Pearce, Wells GC, 36pts; 3. James Braith-

## Around the Green



waite, Long Ashton GC, 33pts; 4. P. Godwin, Tracey Park GC, 33pts. Best Guest. D. Cryer, Bristol & Clifton GC Captain, 35pts.

Thanks must go to Rigby Taylor for sponsoring the event, Bristol & Clifton for allowing the courtesy of their course, their secretary Bob Bennett for his help and caterer Sue Ritchings for providing the excellent cuisine.

Following the work we were given a short and informative talk by Andrew Lawrence, of Fenchurch Insurance, followed by Frank O'Malley, of Hambro Legal Protection. We then tackled the AGM in which there was a friendly discussion on education within the region and the election of officers. After some gentle persuasion by Chairman Ivor Scoones the following people were elected:

Chairman - Ivor Scoones, Vice Chairman - Chris Sealey, Secretary - Peter Baynton, Regional Board Officer - Robin Greaves, Vice Regional Board Officer - Paul Jenkins, Team Captain - Tim Dabernett, Vice Team Captain - Matthew Hawker, Fixture Secretary - Terry Humphrey, Section Education Officer and Magazine Reporter - Marc Haring.

Undoubtedly the bravest of volunteers was Peter Baynton who follows Kevin Green who has to stand down as Section Secretary after several years because of career commitments. Everyone within the section has the greatest thanks and admiration for the work he has done for us and we all wish him well at his present and new establishment The Kendleshire GC.

Marc Haring

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#### East Anglia

What a good choice of venue Aldeburgh turned out to be for the last meeting of the East Anglia Section under its present constitution as, following the AGM, Essex left East Anglia to become a Section in its own right.

On a grey damp and misty day Mike Peters should not only be justifiably proud of the condition of his course but should be equally proud of his Club in the manner in which they received us, providing not only a superb course but good bar service, great food and excel-

lent meeting facilities.

Without a doubt the "Star of the Day" was Lyndon Upham, whose tee-shot at the 1st removed the plate glass picture window of the clubhouse! After that hard luck stories about the gorse, bushes, tight fairways and missed putts were an anti-climax.

The result of the Turkey Trot was a three-way tie between Ian Willett, Andy Sheehan and Sam Sylvester with Ian just pipping Andy on countback.

The prize giving and raffle turned out to be a bit of a cabaret show under the direction of David Wells and put everyone in a festive mood for the serious business of the last AGM of the existing East Anglia Section.

It should be made clear at this point for any readers not involved in the South East Region that the events leading up to Essex forming its own Section and the transitional stage have been very amicable throughout. You can't get much more amicable than agreeing to split the money 50/50 without any argument!

The new Essex Section will be Chaired by Doug Smith with Andy Sheehan, Secretary, while East Anglia will now be Chaired by Stephen Millard with Ian Willett as Secretary.

Both Sections have arranged a full golf and education programme for this year - including a challenge match against each other!

Derek Farrington

### London

I would like to wish all members of the London Section on behalf of the Committee a happy and prosperous new year.

Our Turkey Trot competition and AGM was held in November at the London and Hatfield Golf and Country Club. The day was a great success and the weather was excellent. I would like to thank Peter Creary and his staff for the excellent presentation of the course. I would also like to thank the management of the club for their hospitality and the donation of the various prizes. The overall winner of the event was David Badham with 39 points. In second place was Ian Semple and third spot went to David Montgomery. The Nearest the Pin prize, which was a trial run for the new sponsorship deal from Kings Horticulture, was won by Peter Creeber. His prize was £60 worth of Argos vouchers. In second place was Ian Semple, who won a £35 voucher, and in third spot was David Wild, who won a £15 voucher. This sponsorship deal will continue this year and will be called the King Pin event. I would like to thank Mark Pyrah and James Burton

from King's for their help throughout the day.

Once again Johnny Beck, from Miracle Professional, provided the half way refreshments and his barbecue was most welcome.

I would like to thank all the trade for their help and support last year and look forward to seeing you all this year.

The AGM was well supported and I would like to thank our Regional Administrator, Derek Farrington for attending the meeting. The committee was voted in en bloc and the minutes were approved from last year. Reports from the committee allowed a good feedback from the membership and the committee finished the session by thanking the membership for their support throughout the year.

Notice of golf events this year will be forwarded shortly by Don Wilson.

Tony Dunstan

### Sussex

Sussex is back in print! Unfortunately Mark Wilton is unable to carry on with our Section's editorials due to increased work commitments. Thanks for all your past endeavours, Mark.

The Sussex Section AGM took place at Haywards Heath GC on Thursday December 5. This is the second year it has taken place at this venue, thanks once again to Haywards Heath for their hospitality. Again it was a very poor turnout with only 20 members attending and apologies from three others. It would be nice if you could give your committee better support for the efforts they put in. The members who did attend all added to a lively debate which kept Chris Allen, Vice Chairman, on his toes as he chaired his first AGM. There was a lot of ideas about new events and how to encourage more members to join us in the future. You will hear of these early in the New Year. Some new blood has been voted onto the committee for 1997. Names will be printed in future articles.

BTME at Harrogate is fast approaching and I hope to see some familiar faces there. Good luck to Dave Ansell, The Dyke GC, who will be giving a speech "Looking beyond the Trees".

Finally, are there any clubs in our Section which could host future events? We seem to be taking advantage of a limited number of venues. If so contact me or any other member of the committee. Could I also ask members for any items of interest to be included in future articles? Contact me on 01403 731567 evenings or weekends.

Colin Cathie





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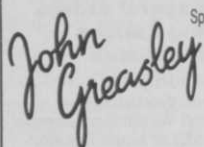
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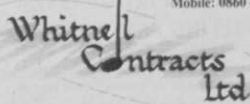
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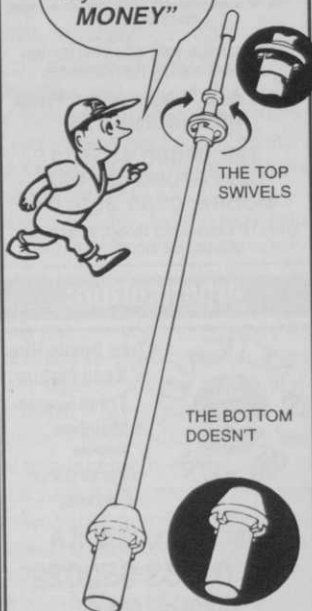
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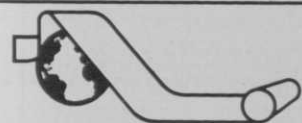
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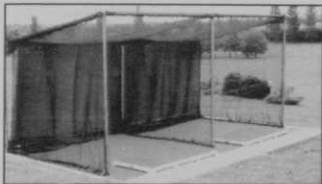
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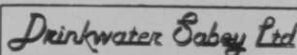
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Three Rivers District Council

Three Rivers House

Northway

Rickmansworth

Herts WD3 1RL

(FAO Mr J Wellham, tel: 01923 776611 ext. 1418)

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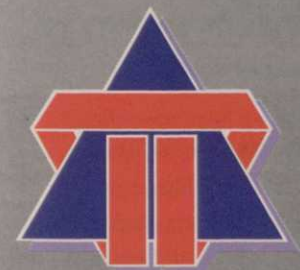
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The successful candidate must be experienced in all aspects of greenkeeping and have relevant qualifications, a keen interest in golf, a desire to develop a greenkeeping career and a full driving licence are all essential attributes.

Please apply in writing including a CV to:

**Ian Smith**  
Golf Course and Grounds Manager  
Roehampton Club  
Roehampton Lane  
London  
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## Thorpeness Golf Club & Hotel Ltd

Applications are invited for the position of

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Thorpeness Golf Club is an 18 hole heathland course situated on the East Coast of Suffolk. Applicants should be suitably experienced with the relevant qualification for this vacancy.

Please apply with full CV to:

**Ian L Willett, Head Greenkeeper,**  
Thorpeness Golf Club & Hotel, Thorpeness,  
Nr Leiston, Suffolk IP16 4NH

## Elsenham Golf Centre

## HEAD GREENKEEPER

9 holes and 3 holes Academy, Driving Range, Pro Shop. Course to open Spring/Summer 1997.

Apply in writing to:

**Owen McKenna, Elsenham Golf Centre,**  
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**HEAD GREENKEEPER**  
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The 6,900 yard, par 72 course, designed by David Williams for Merrist Wood Golf Club, will also be a unique centre of excellence for greenkeepers and golf education and training at Merrist Wood College.

Having recently appointed **Mr Simon Barnaby BSc** to the post of Course Manager, Merrist Wood Golf Club now seek to fill the above posts.

Successful applicants will be responsible for the growing-in period and subsequent maintenance of the course to the highest standards of presentation.

The Head Green keeper must have sound supervisory experience together with a practical knowledge of sand-based greens, modern machinery and PC controlled irrigation systems.

**Salary is negotiable (based on BIGGA rates)**

For further details and an application form, please contact:  
**Merrist Wood Golf Club, Worplesdon, Guildford, Surrey GU3 3PE**  
Tel: 01483 232424



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## Meland Golf Club & Naturpark

PO Box 154 – 5061 Kokstad – NORWAY  
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## HEAD GREENKEEPER

at this beautiful new championship coastal course set within 120 hectares of forest.

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The position requires experience of: implementing management systems; personnel recruitment and training; machinery maintenance.

The Head Greenkeeper will be appointed to supervise the construction process prior to taking up day to day management. Construction or major rebuilding experience is essential.

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Please send a hand written letter plus CV to:

**Martin Ward, Symbio, 38 Beckham Industrial Park, Bookham, Surrey KT23 3EU**

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## The Moseley Golf Club Ltd

requires a

## HEAD GREENKEEPER

Applications are invited for the position of Head Greenkeeper at a prestigious, private, 18 hole parkland golf course in the Midlands.

Responsibilities and requirements include:

- ◆ Experience in all aspects of course management
- ◆ Assistance in preparation and control of budgets
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- ◆ Maintenance of health and safety requirements.

An attractive remuneration package will be offered.

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Relocation expenses will be considered.

Apply in writing with full CV to be submitted by 3 February 1997 to:

**The Chairman of Green, The Moseley Golf Club Ltd, Springfield Road, Kings Heath, Birmingham B14 7DX**

## Wittelsbacher Golfclub

One of the most highly rated and prestigious championship courses in Germany requires an

## ASSISTANT GREENKEEPER

The 18-hole course lies in the Danube valley mid-way between Munich and Nürnberg, is parkland in character and entirely covered with mature deciduous trees.

Applicants must be experienced, fully qualified and willing to live in a rural atmosphere where their own transport would be an advantage.

Accommodation will be provided.

Applications in writing with full CV to:

**C H Stewart**

**Wittelsbacher Golfplatz**

**Rohrenfeld**

**86633 Neuburg a.d. Donau  
Germany**

**Telefax: 0049 - 8431 - 41301**



# The making of a video

**We all see the finished product and perhaps take for granted the work that goes into producing a video. But how does it reach the stage of completion and what goes on behind the camera? Ken Richardson takes us through the various stages.**

**G**olf clubs are under continual pressure from bodies both within and outside golf, to manage their main resource, the golf course, in an ecological friendly manner. The European Golf Association will be launching a major golf course ecological initiative at this year's Ryder Cup at Valderama and the R&A has recently produced a video which shows how golf courses and the environment can live together.

BIGGA saw the need to produce advice for golf greenkeepers on practical ecological management and hence published 'A Practical Guide to Golf Course Management', written by Bob Taylor from the STRI. The BIGGA board subsequently decided that we should produce a video which complemented the book and, thanks to the contributors to the Education and Development Fund a video is now in production. The following diary of events shows how work has progressed to produce a 20-30 minute training video.



## **December 1995**

Education sub-committee decide to make training video to complement book *A Practical guide to the Ecological Management of the Golf Course*

## **27 March 1996**

Meeting at STRI with Mike Canaway and Bob Taylor to discuss content of video, involvement of Bob and estimate costs.

## **17 May 1996**

Confirm story line with Bob Taylor and discuss choice of video company.

## **28 May 1996**

Visit Goodwood Productions, in Otley, to discuss video content and request estimate of cost.

## **14 June 1996**

Discuss Goodwood's estimate with management team. Goodwood estimate 20-30 minute video will need seven days (17 hours) of filming.

## **15 June 1996**

Accept Goodwood's estimate.

## **27 June 1996**

Filming at Lindrick Golf Club - Parkland course. Bob Taylor, STRI, Roger Greenwood, Stuart Dunbar (cameraman), Don Atkinson (sound), Goodwood Productions.

## **28 June 1996**

Filming at Temple Golf Club - same crew

## **6 August 1996**

Filming at Ridding Park Golf Club (Winner of 1996 Amazone Environmental competition). Same crew plus, Agronomist Chris Firth filming ponds, bird boxes, birds etc.

## **8 July 1996**

Filming at Royal Birkdale and Southport and Ainsdale - Links courses, looking at heather, dunes and tree encroachment. Same crew plus Ken Richardson.

## **27 September 1996**

Filming at Aldwoodley GC - Heathland course. Looking at trees, woods, fungi, heather reinstatement. Same crew as above

## **9/10/11 October 1996**

Filming at St Andrews Old Course (Interviews with Walter Woods, Michael Bonallack, Greg Norman, Phil Mickleson, Jackie Stewart, Ian Botham, Nick Price, etc. Filming at Linlithgow Golf Club, Filming at Haddington Golf Club same crew with Jonathan Smith from Scottish Golf Course Wildlife Group. Looking at Scottish courses and getting the SGU view.

## **12 November 1996**

Filming at STRI and Bingley St Ives Golf Course. Interviews with Bob Taylor, Ken Richardson and Dr Keith Duff from English Nature.

## **November/December 1996**

Off line edit, first review of content, editing of changes. On line edit, sound and voice over. Final check.

## **Early January 1997**

Production and packaging.

## **22 January 1997**

Press launch at BTME video available for sale.



**Pictures, taken at Royal Birkdale, courtesy of Bob Taylor, STRI**

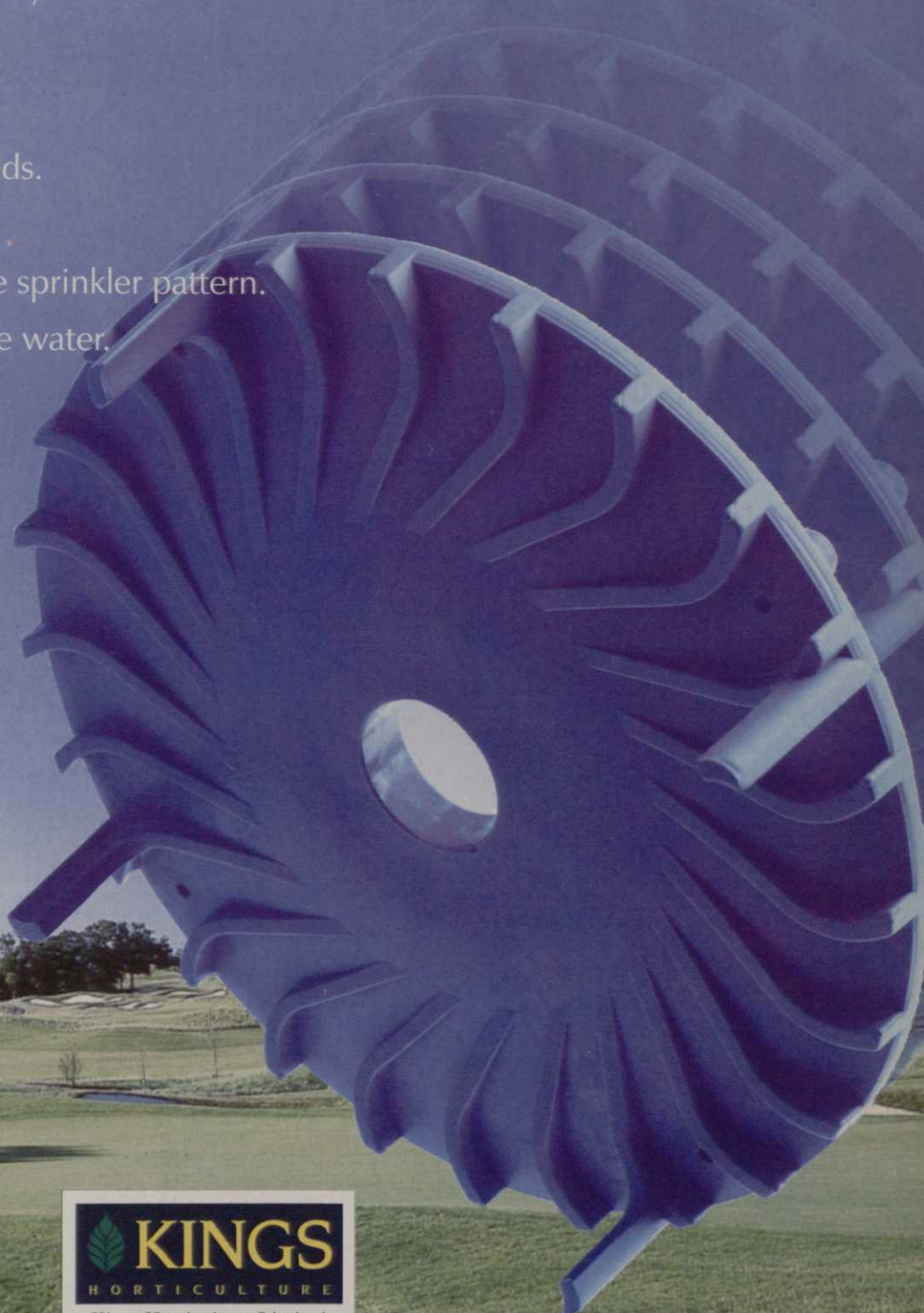
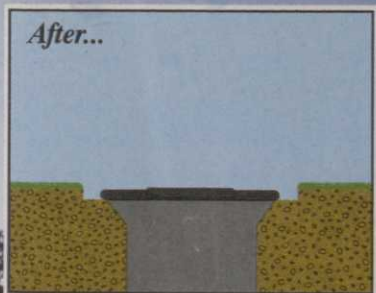
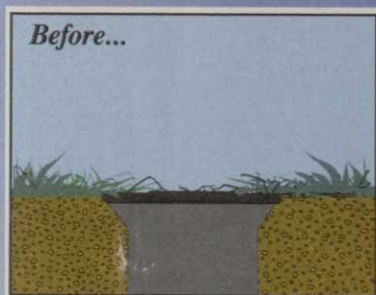




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