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HOW A CHANGING CLIMATE AFFECTS GOLF COURSE IRRIGATION • NEW EEC DIRECTIVES

YOUR COMPLETE GUIDE TO THE INDUSTRY'S PREMIER EVENT

BOUND FOR NEW ORLEANS:
MEET DAVID WHITAKER,
CI PREMIER

GREENKEEPER OF THE YEAR

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Whitaker wins the big prize

Wisley Golf Club may now boast another triumph to add to its exciting new course, the election of their talented course manager, David Whitaker, as ICI/BIGGA Premier Greenkeeper of the Year. His rise to stardom is the basis of our feature, together with new changes announced in the 1992 competition format.

More photographs and full details

BTME ’92 - it’s here at last

Comprehensive catalogue of who to see and what to expect at the BIGGA Turf Management Exhibition. 24 pages packed with information on greenkeeping’s premier event.

Turning up the heat... but at what cost?

Mother Earth is definitely warming up. And as golfers demand more playing time and drought tolerant grass species may be called for, so also will greenkeepers need to play their part in using water efficiently.

Sand Green constructions: the verdict

Pure sand greens for Great Britain? The STRI’s Tim Colclough explains recent Bingley trials into the medium, the results of which suggest a resounding thumbs down.

How to take the next step forward

So you want to be a course manager? A new course from BIGGA examines the ins and outs of an onerous job.

DEPARTMENTS

Letters

More informed comment and opinion from the industry’s top postbag. It’s the page you write......

Around the Green

New faces or old? The results of AGM elections and a look at the programmes for 1992, plus our “coming up” column. Pages 41, 44, 45, 46, 54.

Faces and Places

Phil’s away to Northern Ireland, Tom’s about to retire and David’s a silver medal winner... All this and more in our monthly round-up.

COVER PICTURE:

David Whitaker, ICI Premier Greenkeeper of the Year, at Wisley GC. Photograph by Helen Rogers
One truism totally applicable to the world of greenkeeping is the old saying: 'a little knowledge is a dangerous thing.' Few would argue that this is best demonstrated in golf green committees up and down the country, where a farmer member who grows vegetables, or one who can maintain a pretty lawn, is often seen as the perfect choice for the lofty role of green chairman. The results of such 'expert' infiltration, where scant knowledge of real golf course problems is obvious and dictatorial edicts are frequently issued - often coloured by experiences that are light years away from modern practices of greenkeeping management - can be seen long after the offender has departed to bask in false glory, though the consequences remain.

Such a rod for the back is one that most greenkeepers are forced to bear, since the added problem of lack of continuity in committee structure, where an element of real learning may be gained by a long standing committee incumbent who has the will, the desire and the capability of gathering knowledge from his greenkeeper, is one problem that will not go away!

It's a situation greenkeepers learn to come to terms with, but a further question begs askance: must they also come to terms with the 'little knowledge' emanating from a noted turf management magazine, which in its most recent issue (written as if the writer had come up with The Original Thought) suggests that if greenkeepers were to stop whinging and offered a united voice in stating the facts concerning over play, that golf managers (for managers, read green committees) will get the message!

My own experience suggests that greenkeepers have been shouting this very message from the rooftops for years, with about as much effect as trying to drain the Atlantic Ocean with a bucket. Further, the offending piece suggests that only the fear of members quitting in disgust at not being permitted unlimited play, irrespective of conditions, makes 'management' allow play in even the most unsuitable conditions.

What arrant nonsense! In over forty years I've never once heard of a Club member walking out for this reason, since membership to any private Club is not easily gained, is certainly a privilege, and is one to be guarded at almost any cost. I venture to suggest that many Clubs would welcome a walk-out from such grumblers, since new members bring with them additional income in the form of premium payments - usually twice or three times the annual membership fee - upon being elected.

There's more, for the magazine offers yet another turf management recommendation: that where a Club does not nurture thoughts of holding the Open Championship, it would make more (economic) sense not to plant bents and fescues, but to plump straight away for planting that most ubiquitous of weeds, Poa annua!

Ye Gods! What a suggestion. Out of the door go years of sound management practices, replaced overnight with the nastiness of Poa annua, along with the soggy misery it brings in its wake every winter. I doubt the author of such a thoughtless edict has ever walked the fair greens of the many delicious courses blessed with a dominance of either bent or fine fescue, and if I am mistaken, I fancy that rose tinted spectacles were worn. No doubt those seed companies who spend fortunes in striving to produce improved strains of fine turfgrass - and who advertise their fine products - will register protest at the offending statement, as no doubt will all greenkeepers who labour for perfection in the battle against 'the most noxious plant'.

As if the above gaffs were not enough, the magazine further failed in its most elementary homework, demoting British Empire Medallist, Walter Woods, probably the highest profile course manager in the world, to the humble status of 'groundsman' at St Andrews and wrongly titling our esteemed ex-chairman, Jack McMillan, who has been running his own successful consultancy company for more than a year, as both head greenkeeper at Sunningdale and 'Sunningdale Chief'. One wonders what Lawson Bingham will have to say about that? Not good enough say I, such little knowledge is most certainly a dangerous thing!
EEC and the manual handling of loads

The Health and Safety Commission has issued a Consultative Document entitled 'Manual Handling of Loads, Proposals for Regulation and Guidance'. This has appeared in response to EEC Directive 90/269/EEC 'on the minimum health and safety requirements for the manual handling of loads where there is a risk, particularly of back injury, to workers'.

The document states that more than a quarter of the accidents reported each year are due to the manual handling of loads. In addition there is an unquantifiable number of cumulative, unreported injuries that result in some form of disability and sometimes permanent disablement.

As with all the modern workplace legislation recently introduced, these draft proposals will require employers to assess the risks to staff when manually handling loads. The hierarchy of decision making steps proposed is similar to that used in COSHH Regulations:

- Avoid hazardous manual handling operations where possible.

The requirement under the existing Health and Safety at Work Act to establish 'safe systems of working' forms an important part of this process.

The emphasis is on the controlling of manual handling (which may cause) injury and not on the weight of the load. In fact the proposed Regulations state:

- Each employer shall so far as is reasonably practicable, avoid the need for his employees to undertake manual handling operations which involve a risk of their being injured; or where it is not reasonably practicable to avoid the need for his employees to undertake manual handling operations which involve a risk of back injury to their employees, he shall make a suitable and sufficient assessment of all such manual handling operations to be undertaken by them.

- To take appropriate steps to reduce the risk...

- To provide information and training on the manual handling of specific loads at work...

It is quite clear that many of the old ways of man-handling work and the acceptance of the fact that we all have a bad back must change - and about time too!

One of the more obvious ways of reducing the strain and 'exposure' to back injury is to have mechanical equipment such as fork-lift trucks or similar, for tractors. If fork-lift trucks are purchased, separate regulations apply and a Certificate of Competence is required.

Comments on this important document are required by March 9th 1992. Copies can be obtained free from: Sir Robert Jones Memorial Workshops, Units 3 and 5-9, Grain Industrial Estate, Harlow Street, Liverpool L8 4UH.

Association moves quickly to boost pesticide certification

Recent seminars and conferences, together with the Management Training Programmes held recently at Aldwark Manor, have revealed some interesting training needs. The very low number of head greenkeepers and course managers who have pesticides certificates of competence (PA2A) is worrying. Equally, it is worth noting that a full certificate (PA1 & PA2A) is ten credits toward Master Greenkeeper status. Some have openly confessed to hiding behind the so-called 'grandfather' clause and this mistaken belief - that experience is an excuse for competence - needs clarification.

Regulations state quite clearly that 'all who use pesticides' will be competent to perform their duties. To be competent the operator of a pesticides applicator must be fully familiar with the Regulations and the Code of Practice. It is not possible to be up to the new standards of competence without attending the Foundation Module and the Ground Crop Sprayer Course. Since a certificate is required to supervise a non-certified operator (and it must be understood that to supervise means to keep the operator within sight at all times during the operation), how can a greenkeeper be expected to do his job to a good professional standard? If we are to raise and maintain high standards, the full certificate of competence to apply pesticides must be one of the basic qualifications to be a course manager.

One thing is certain, we cannot rely on the 'grandfather' clause as it seems likely that it will be removed as an option in the near future.

To meet this obvious need, David Golding is arranging a special one week course at Aldwark Manor, March 16th-20th inclusive. The total cost of the course will be £495 (inclusive of VAT). This includes accommodation, meals, training and examination fees. This will be an intensive week of training and testing for experienced greenkeepers. Jon Allbutt will be taking the pesticides section and arrangements will be made through the County Proficiency Test Committee to have testing carried out at the end of the course. It is also possible to take the test back at your own course by arrangement with the local Test Committee. Further details: Telephone David Golding on 03473-581.

- From Head Greenkeeper to Course Manager - turn to Page 9.

Intensive week of training will bring greenkeepers up to date with pesticide regulations

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To be a Golf Course Manager...

Few will deny that the title 'Course Manager' is one that is open to misinterpretation. The Association believes that to justify such a title it is vital that a course manager should be fully conversant - and be properly tested and certificated as competent - in such matters as the pesticides and legislation. In addition to demonstrating sound agronomic knowledge, the modern course manager should also give careful consideration to those management skills which fall under the broad umbrella of communication, motivation and stimulation. To the head greenkeeper, young or old, we put the following questions:

Have you the craft skills of greenkeeping but wish you could communicate more skilfully with your staff and green committee? Would you like to be a better manager, with the ability to prepare monthly reports and make verbal presentations at green committee meetings?

To the Chairman of Green or Course Convener we ask: Does your greenkeeper require better management skills - especially those of communication - and the ability to make presentations in both written and verbal form? Would not such skills make your Club life more pleasant and productive - and your golf more enjoyable?

The Association has the answer. Following critical acclaim at both BIGGA headquarters and the BTME, the Association, in conjunction with two acknowledged experts, Paul Whiteley and Frank Newbury, who have the supreme skill of training others in the art of communication, stimulation and motivation, to present a week long course for Head Greenkeepers who genuinely want to become Golf Course Managers.

Because the programme is a personalised and intensive one, places will be limited to the first twenty applicants and would-be attendees are urged to confirm a place without delay. The inclusive cost: accommodation, meals and wonderful training sessions, is £409, including VAT. Cheques should be made payable to BIGGA.

■ The Royal Birkdale Golf Club tell us that 63 year old Tom O'Brien, their head greenkeeper for the past 14 years, has expressed a desire to take early retirement in 1992, the Club having been unable to persuade him to change his decision. Tom joined Royal Birkdale from Gullane in 1978 and has prepared the course for two Open Championships.

■ Amenity management PR man, Mike Saul, has established a new publicity relations business - Landline PR - based in Shrewsbury. Previously a director of a specialist division of Agrafax PR, he has handled work for companies including ICI, Nomix-Chipman and Maxicrop International. A soil scientist and drainage specialist by training, he also held the post of Technical Secretary to the Soil and Water Management Association.

■ Let's not forget to congratulate Howard Swan on being admitted to the regulatory body for golf architecture, the British Institute of Golf Course Architects, as a full member. Howard, the son of a greenkeeper, worked for 16 years in design and construction before setting up his own practice in 1987. He founded the British Association of Golf Course Constructors in 1980 and for five years, until 1990, was Chairman of the National Turfgrass Council.

■ Phil Baldock, Chairman of the Surrey section of BIGGA and a member of the SE Regional Board, is moving from Hankley Common School to take up the prestigious position of head greenkeeper at the delightful Harry Colt masterpiece, Royal Portrush. We are sure he'll find no difficulty in negotiating 'Calamity Corner' or enduring 'Purgatory' and will thoroughly enjoy managing the only Irish course ever to stage an Open Championship. If things get too tiring, he can always turn to the famous eleventh, the notorious 'Feather Bed'. Phil had long ago set his sights on Royal Portrush (he is married to a fellow greenkeeper). His record is one that may be hard to surpass, having been responsible for the preparation of no less than five Open Championships and two Ryder Cup Matches, together with countless other major tournaments, and his legacy to the greenkeeping craft is one that will always be remembered. Greenkeeper International offers sincere sympathy to Mrs Pate on her sad loss.

■ Winner of the Kubota (UK) Cup for Best Machinery Student at Lancairshire College of Agriculture is Richard Ellis Haynes. Richard, who gained a distinction on the National Diploma Turf Science and Sportsground Management course, is pictured being presented with his cup at the college's annual award ceremony by Kubota's Russell Mellor. Richard is now employed as a mechanic at Bourne Country Club, Hertfordshire.

■ David Woods, head greenkeeper at Holye and currently a Phase 3 (Enterprise Management and Greenkeeping Supervision) student at Plumpton College, has gained the rare distinction of being the first greenkeeper to gain the prestigious Top Student of The Year Award – The City and Guilds Silver Medal – awarded by none other than the examining body itself, The City and Guilds of London Institute Examination Board. Greenkeeper International share in David's delight and send him heartiest congratulations.

■ A new post - Scottish Office Co-ordinator - is announced by SBIS with the appointment of Duncan Crawford. It will be Duncan's responsibility to co-ordinate the activities of the Scottish demonstration and services teams and liaison with area sales representatives. The supply of spare parts will also form part of his duties.

■ Michael Peters, Aldeburgh's head greenkeeper, scored the second hole in one of his golfing career last month, using a wedge at the 116 yard second on the River course.

■ Members will be saddened to learn that at the age of 80 of one of Britain's greenkeeping stalwarts, the legendary Doug Pate, who was for 23 years (1953-1976) head greenkeeper at Royal Birkdale. His was a record that may be hard to surpass, having been responsible for the preparation of no less than five Open Championships and two Ryder Cup Matches, together with countless other major tournaments, and his legacy to the greenkeeping craft is one that will always be remembered. Greenkeeper International offers sincere sympathy to Mrs Pate on her sad loss.

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TIM COLCLOUGH presents conclusions of a three year investigation into a favourite topic

The need to keep golf greens in play throughout the year has led increasingly to the use of sand based rootzones in Great Britain. This type of green construction has also been employed on many newer courses across the United States, hence the investigation into its potential for use in this country.

Fertiliser nutrition was considered to be a critical aspect of management and thus worthy of specific experimentation, due to the inherently low nutrient status of sands and the very high potential for leaching of fertiliser. It is worth noting that the results discussed herein can only be applied to the establishment phase of green management, as the trial ran only for the first three years following construction.

Generally the trial proved to be a great success, and we were able to gather a great deal of information, not only relating to fertiliser management but on the various problems associated with sand greens themselves. Here is a summary of our findings:

| Nitrogen: To establish and retain a satisfactory turf cover, the greens require much more nitrogen than soil greens, the exact rates being somewhere between 250 and 400 kg/ha per year of N, a rate of nitrogen which is at least twice as much as is normally applied to soil greens. However, it should be noted that the requirement for nitrogen would probably decrease with time as natural organic matter accumulates in the sand. It is also worth noting that these higher rates of nitrogen also favoured the development of Agrostis (bent) at the expense of Festuca (fescue).
| Phosphorus: Phosphate application was required to prevent significant losses of ground cover. Agrostis was particularly susceptible to phosphate deficiency in the sand and problems were noted at levels of less than 10 ppm of P₂O₅. However, only very low application rates are recommended in these circumstances (ie. no more than 25 kg/ha/year) as there was a definite tendency for Poa annua colonisation of plots receiving high rates of phosphate.
| Potash: The application of potash did not have a significant effect on ground cover readings during the trial period, although it appears there was some natural release of potash from the sand, which complicated these findings. However, we noted that there was a definite response to potash in a number of the playing quality tests which we carried out. In particular, the turf tended to exhibit a much 'springier' response to ball impacts with increasing potash application, and this may indicate other effects on the turf which were not picked up with ground cover tests, eg. increased root growth, organic matter production, etc. We also found that fertiliser derived potash was highly prone to leaching, through the acid plots in particular.
| pH: Acidity increased (ie. pH decreased) very rapidly as a response to the repeated application of sulphate of ammonia (the chosen source of N). In some instances pH levels dropped below 4.0.

This very rapid decrease of pH had a significant effect on turf growth and caused unacceptable ground cover losses. It was also interesting to note that the bent grass (in this case Frida) was much more tolerant of the increased acidity than the (Frida) fescue.

The very acid plots were also characterised by poor surface water infiltration rates due to a capping effect, which may have been caused by poor organic matter degradation.

As part of the experimental programme, lime was applied to half the plots, with the purpose of neutralising the effect of repeated sulphate of ammonia treatment. In the short term this resulted in stimulation of growth and good ground cover response, but as expected, there were a number of longer term severely detrimental effects. Poa annua invasion was rapid and we also observed the development of Take-all patch disease in a significant number of limed plots.

Based on the results of this work and our own experience in the field, we do not recommend the use of pure sand based constructions for the following reasons:

1. pH control is critical: because sand is such an inert substance pH can vary considerably, depending on the treatment. The environment of the grass plant is consequently open to rapid and possibly detrimental changes.
2. As there is no naturally derived organic nitrogen source, the condition of the turf deteriorates rapidly through the winter, and in the case of the particular trial severe losses of ground cover were noted throughout this period. As the fertiliser derived nitrogen source ran out through the autumn, the lack of any naturally available nitrogen prevented steady growth through mild periods and thus the turf was prone to wear damage.
3. Sand greens are very prone to Take-all patch disease due to the lack of any naturally occurring antagonistic bacteria/fungi in the rootzone.
4. Establishment of the turf can be slow and patchy due to the very rapid loss of moisture from the surface, this having an effect on germination and seedling growth.
5. Maintenance costs are potentially high due to the need for repeated fertiliser application during the first few years of establishment.
6. Repeated rootzone sampling is required as nutrients are prone to leaching and regular applications of potash, together with low rates of phosphate, may be necessary. Consideration will also have to be given to micro-nutrient testing with a view to possible application.

In theory, the basic rationale behind the use of pure sand constructions would appear to be perfectly sound. there is no doubt that the provision of a free draining rootzone is highly desirable and of great importance in this country, because of the frequently wet and mild winters which characterise our climate. This weather pattern, combined with the massive increase in playing levels, particularly during the winter, does make provision of free draining putting surfaces essential.

It is worth bearing in mind that many of our best greens - in terms of drainage and year round quality - have been established on coastal links sites, frequently utilising the local dune or beach derived sand. However, closer inspection of these greens reveals a rootzone that does not consist of pure sand alone. Usually the sand has a significant organic and soil component. It is this distinction which we have found to be so critical.

The lack of organic matter and soil renders the pure sand rooting medium prone to rapid changes in pH, increases the requirement for fertiliser and substantially influences turf growth and wear tolerance through the winter. We consider these problems far outweigh the potential advantages.
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in terms of rapid drainage rates. Furthermore, it is frequently the condition of the surrounding land, ie. fairways and especially green approaches, which dictate the feasibility of winter play through periods of heavy rainfall and consequently, the availability of the free-draining greens becomes irrelevant. That is not to say that the provision of a free draining putting surface permitting the desired turf grasses, is very tight specification, ie. fairways and consequently the condition of drainage rates.

As a member of BIGGA I want to congratulate you on your fine magazine Greenkeeper International. I enjoy reading it and look forward to it every month.

I was particularly interested in the recent article: "Lessons To Be Learned" (September '91). I too was one of the millions of viewers who watched The Open at Royal Birkdale on my TV set and although as a fellow greenkeeper I was curious about the appearance of the greens, I really disappointed me was the speculation and misinformation that the so-called professional announcers both British and American were feeding to the viewing public. While this misinformation has been a problem in America for some time, I was distressed to see that it had now reached global proportions.

It has always seemed curious to me that the mere presence of a microphone and a camera can instantaneously transform an observer of the game into an agronomist. The situation is even more alarming because to the viewing public these men are uttering the final word and their rambling theories are taken verbatim as THE TRUTH! This is particularly troublesome for the greenkeeper in question and for the industry as a whole. One of the few positive signs that this situation might improve, at least here in America, is that the announcers are more frequently commending our golf course superintendents by name during their telecasts. Positive it is, for it wasn't too long ago viewing the local golf professional was given credit for the spectacular condition of the course, which as you might imagine was a real thorn in the sides of all golf course superintendents.

Suffice it to say we still have a long way to go before we can be satisfied that we have turned the corner on this particular problem. Certainly it would be nice if these announcers were to seek out the person in charge of the maintenance and improvement of the golf course to get the real facts, but until they do it is important to use a forum such as your magazine to help them recognise their deficiencies.

As we come to the close of another year I am in the habit of reflecting on the various milestones which have occurred during the previous twelve months. One such major milestone has been the upgrading of BIGGA's magazine, Greenkeeper International, which in my view has successfully combined news from within the golf industry with helpful and instructive articles.

In particular, I have found Jim Arthur's articles to be ideal. They seem so often to epitomise the realities which many people tend to skirt around and incorporate helpful, positive suggestions and direction. I trust this beneficial and vital format will continue in the years to come.

To everybody who works on Greenkeeper International I send my best wishes for a prosperous New Year.

Managing Director, Charterhouse Turf Machinery Limited

PETER BISCOE
Keston Wood, Kent

I suffer from apathy! My chosen sport is cycle racing and I cover around 200 miles a week during the summer. I also enjoy watching golf on TV as well as most other sports. All very well, you may say, but because I don't play golf (though I do belong to BIGGA) I suffer from apathy. This complaint about non-golfers is one at non-playing Kent section members, which is why I'm writing.

I'll admit I did play golf in the past, but found it slow and boring. Now I find myself admiring many other greenkeepers like me work very hard on golf courses and yet enjoy another sport and are therefore branded as apathetic? Do the rules of BIGGA state that members must play golf?

WHilst talking with other members of the team here at Walton Heath, I offered an opinion that greenkeepers who play golf make better, or more complete, greenkeepers than those who do not play; by virtue of seeing and understanding the golf course from both sides. The room went very quiet for a while and I think my comments upset a few. Am I right, what do you think? I don't know if I am qualified to offer such an opinion, but I've been an artisan golfer for 25 years, a mechanic/greenkeeper for 8 years, and I keep my eyes open and use my common sense too.

Ted James Bond
Walton Heath Golf Club, Kent

Managing Director, Charterhouse Turf Machinery Limited

I come around the page.
A popular catchphrase often spoken at presentation ceremonies following competitive events is 'there are no losers here today, everyone is a winner'. The sincerity of the catchphrase is undoubted: indeed the phrase has such a pleasant comforting ring about it that it could well become an integral part of speechmaking folklore.

'No losers here today', however, took on a whole new meaning at the ICI banquet given at Aldwark Manor in December, when the five finalists gathered for the supreme honour of being heralded ICI Premier Greenkeeper of the Year learned that after a selection process which began months earlier with a written paper, followed later with an assessment of their golf course and finished in December with a searching panel interview, a gap of less than a handful of points separated all five contestants. What was even more staggering was that not a single point separated first from second!

The final choice, a hugely popular one, went to a young man who has performed miracles at the exciting new Wisley Golf Club in Surrey. It was the view of the judges that David Whitaker had demonstrated in convincing style the skills necessary in managing a golf course, albeit a brand spanking new one, to near perfection. To be in the shoes of a selection panel chaired by Neil Thomas and comprising Jack McMillan, John Crawford and ICI's Richard Minton, was one this writer did not envy, but it was to their credit that David was chosen and indicative of their wisdom that runner-up Laurence Pithie would later go on record by writing 'I'm sure that their decision in choosing David Whitaker was the right one after taking all aspects into consideration. He has done a marvellous job at Wisley and I wish him every success in the future.' There is, as mere humans are all too well aware, nothing quite like praise from one's peer group and Laurence's views were heartily endorsed by the other finalists, third placed Richard Barker, Arne van Amerongen and Tim McCreadie.

Returning to the banquet, the congratulatory speech given by the Marketing Manager of ICI Professional Products, Roger Mossop, gave rise to massive optimism for the future of today's professional course managers when he opined that by their knowledge and understanding of the art of greenkeeping the world of golf owed greenkeepers - and especially the five contenders - a debt of gratitude, and they had much of which to be proud. His comments were music to their ears, as was the splendid news that ICI Professional Products will again be sponsoring the event in a new and even more exciting format for 1992.

For the winner himself the taking of the title ICI Premier Greenkeeper, along with a trip to New Orleans to visit the GCSAA Conference and Trade fair, comes at the end of a whirlwind period which began peaceably enough at the Baildon Golf Course in Bradford. It was here that David began his career as an apprentice and served for a total of eleven years under the tutelage of David Hannam, thence to Rawdon Golf and Tennis Club as head greenkeeper and followed at the age of 27 by a unique opportunity to work from the growing-in stages at Golf Du Domaine Imperial in Switzerland. This Pete Dye designed course, like his present Wisley, is American in concept and design and was the first to open in Switzerland on a shares debenture basis. Without knowledge of foreign languages, David coaxed a raw crew of French, Italian, Swiss and Portuguese into tending a course that boasted pure sand greens and bent grasses, greatly spurred on by the pessimistic views taken from his native West Yorkshire that 'it couldn't be done'. It could, it was, he delivered, and the rest is history. Head-hunted during a sabbatical in Britain following a long hard summer, David took some convincing of the need to move from a task he enjoyed so much, but the magic of Wisley soon convinced him that there was another hurdle to leap and the proof of his decision - and dedication - is witnessed now in every blade of grass at Wisley.

Proof also that all finalists were well chosen is witnessed with Laurence Pithie already acclaimed as Britain's first ever Master Greenkeeper Certificate holder, Richard Barker engrossed in a golf course construction exercise with the Hawtree Practice, Arne van Amerongen about to move to new pastures and Tim McCreadie setting up shop this very month at the popular golfing venue of Royston, home of the racehorse gallops. They are indeed all winners!
Now it's over to you

The opportunity is yours! ICI are giving you, the BIGGA member, the chance to nominate a fellow course manager or head greenkeeper to represent your section in this prestigious competition.

The person you nominate should be a colleague who, in your opinion, manages and maintains his/her golf course as a model to other members of the profession.

Everyone should be considered, be they involved in managing nine holes with limited resources or the multi-million pound complex, for each faces different challenges deserving of recognition.

The winner of this highly esteemed competition will receive an all expenses paid trip to the Golf Course Superintendents Association of America Exhibition and Conference in Anaheim California during February 1993. Runners up prizes will also be awarded.

What's more, at all three stages of the ICI Premier Greenkeeper Award, there are credits to be collected towards the Master Greenkeeper Certificate:

- Stage 1, nominations at Section level, the nominee earns one credit for 50 marks or more out of a possible 100, for course assessment. 60 marks or more gains two credits, 75 marks or more, three credits.
- Stage 2, five regional nominations to final stage, following further course assessment and a written presentation, the nominee earns one credit for 50 marks or more out of a possible 100. 60 marks or more gains two credits, 75 marks or more, three credits.
- Stage 3, at a panel interview the overall winner gains three credits, runner-up, two credits and a credit for the third place.

ICI PREMIER GREENKEEPER OF THE YEAR AWARD 1992

The 1992 ICI Premier Greenkeeper of the Year Award comprises of three stages:

Stage 1
Criteria:
1. Member of BIGGA.
2. Course Managers/Head Greenkeepers only.
3. Agreable to complete all stages of the competition including having his/her course assessed by a BIGGA Regional Education Chairman and ICI Sales Manager.

Stage 2
Each region of BIGGA will receive five section nominations as follows:
- Scotland – Ayrshire, Central, East, North and West
- Northern – North-East, North-West, Northern, Cleveland, Sheffield
- Midland – East Midland, Midland, East of England, Berks/Bucks/Oxon, Mid-Anglia
- South East – Surrey, Kent, Sussex, London, East Anglia

Stage 3
The five regional winners will have their course inspected during the last two weeks of September 1992 by representatives of BIGGA and ICI.

During June/July/August, the section nominations will have a course assessment carried out by the BIGGA Regional Education Chairman and the local ICI Area Sales Manager on a regional basis. Following the course assessment, the two assessors will forward their markings to the BIGGA Education Officer.

NB: the course assessment will include the following areas:
- "Presentation of the Golf Course",
- "Staff Organisation",
- "Organisation of Sheds", "Budget Management",
- "Record and Stock Control", "Management Participation",
- "Course Development Programme", "Machinery and Irrigation",
- "Golfing Knowledge".

Stage 3
The five regional winners will have their course inspected during the last two weeks of September 1992 by representatives of BIGGA and ICI.

The five regional winners will also attend BIGGA Headquarters near York for a panel interview comprising of representatives from BIGGA and ICI.

One month before panel interview, the finalists will forward a 1,000 word submission on a proposed autumn/winter maintenance programme for their course for consideration in conjunction with interviews which will take place in early December 1992.

Send in your nomination today – complete the pre-paid card opposite Page 4

GREENKEEPER INTERNATIONAL January 1992
Since announcing the availability of their turf on the Big Roll in September, Rolawn have produced several pieces of equipment that are lent, free of charge to customers, for handling and laying.

The latest developments are their own pedestrian, self propelled, tracked machines, which differ from others in that they enable Rolawn clients to lay their own turf. Also available are a heavy duty motorised version and a Rolawn tractor attachment which fits a standard tractor (from 25 hp) and is ideal for large open areas. Rolawn's Big Rolls are approximately 31 yards long and 29 inches wide. For details call: 0904 608661.

Staffordshire based Turmekt Machinery Ltd. have announced they are now distributors of the range of Rotadairon Stone Burying machines from France. Like the very best and most effective ideas, the Rotadairon principle is simple. While cultivating to a depth of up to 22cm, all the soil is lifted over a rotor, broken down and sorted. The stones, clods and surface debris are then placed at the bottom of the cultivation depth. Fine soil particles make up the surface of a fine and level seedbed which could not be achieved, even with many passes, by a conventional cultivator, making hand picking a thing of the past. Models are available from 18 hp to 110 hp. For details call: 0889 881611.

Stewarts have launched a new natural seaweed soil conditioner to be marketed under the name Kelpie, replacing a range of bought-in seaweed products sold by the company over the past eight years. Stewarts' Sales Manager, Alan Miller, said that the increased demand for natural or 'green' products had created a new demand for the use of seaweed, and in preparing Kelpie the company will do no more than speed up the natural decomposing process by composting fresh weed to ensure the product makes up the surface of a fine and level seedbed which could not be achieved, even with many passes, by a conventional cultivator, making hand picking a thing of the past. Models are available from 18 hp to 110 hp. For details call: 0889 881611.

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The newly launched Articulator from Hayter Beaver is designed to eliminate the age old problem of either scalping or leaving grass uncut on undulating golf course fairways. The Articulator's unique design is made up of a series of 21" rotary mowers which work in line, whilst floating independently. The secret of the machine's ability being found in a system of specially designed flex-joints, with each of the mowing decks capable of adjustment to give an overlap of between 2" and 5". The PTO driven Articulator can cut at a ground speed of 4-5 mph and is available in 5’, 8’ or 11’ widths.

The latest addition to Kawasaki's range of ATVs – the Mule 500 – is announced. Like its bigger brothers, the Mule 500 employs automatic belt drive torque converter transmission and Dual Mode differential for the rear axle – making it both easy to drive and easy on the ground. With a payload of up to 350 pounds, it can tow a wide variety of after market equipment – from specialist trailers to rollers, mowers and sprayers – via an optional trailer hitch. It is a single person vehicle and is powered by an electric start 286 cc 4 stroke petrol engine.

ICI's divestment programme has involved the rationalisation of their subsidiary, BritAg Industries Ltd, the company responsible for marketing Techturf in the UK. This has provided Netlon Ltd, the world-wide patent holders, with the opportunity to consolidate the UK into its international operations. The company promote the system outside the UK, which is established at golf courses in many parts of the world, as Netlon Advanced Turf. The system provides natural turf with durability, resistance to compaction and an inherent self-cultivating action. Netlon's Tim Oliver comments: "The move is timely. We are promoting the system world-wide, yet until now we have had no direct involvement in the domestic market. We will be recruiting a number of Techturf specialists in BritAg and users will benefit from the combined overseas and UK experience."

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At Barenbrug we have a tradition of breeding grass that goes back to the beginning of this century. A skill that we’re justifiably proud of.

There is a Barenbrug variety at or near the top of each major list in the STRI/Bingley booklet.

This expertise also extends to our wide range of mixtures, each one containing top-rated Barenbrug varieties for optimum performance and flexibility.

Supplying the finest seeds and mixtures is our art.

Creating the masterpiece is yours.

For further information contact Barenbrug UK Ltd. PO Box 2, Rougham Industrial Estate, Bury St Edmunds, Suffolk IP30 9NW. Tel 0359 70766 Fax 0359 71021.
Exhibition Opening Hours

- Wednesday 22 January: 9.00am – 6.00pm
- Thursday 23 January: 9.00am – 6.00pm
- Friday 24 January: 9.00am – 2.00pm

Entry to the Exhibition
Entry to the Exhibition is by purchase of the January 1992 edition of Greenkeeper International, which contains the official catalogue – £2.50. Visitors who have pre-registered will be handed a magazine and identification badge at the entrance and admitted without charge.

Organisers/Press Office
The Organisers Office is situated at the right hand side of the entrance hall, with the Press Office on the left.

Safety
Fire exits are clearly signposted and are also shown on the Exhibition Plan, on Pages 28-29.

Educational Seminar Programme
Workshop sessions (20/21 January) will be held in the Old Swan Hotel whilst the general Seminar Programme running concurrently with the Exhibition will be held in the Royal Hall – entrance from Hall C – exit into Hall A.

The Old Swan Hotel
The elegant Old Swan Hotel in the centre of Harrogate has been designated as the Exhibition and Conference Hotel. The Old Swan will be the focal point for pre-exhibition workshops and the social programme, which culminates with a sumptuous Exhibition Banquet on Thursday January 23, when comedian Norman Collier will entertain. The BIGGA Hospitality Room in the hotel will be open in the evenings for exhibitors and delegates alike to relax in pleasant surroundings.

Dates for your diary
8 April 1992: Annual General Meeting, Royal York Hotel, York

For more information about the British & International Golf Greenkeepers Association, come and have a chat on Stand C27, or call us after the show on 03473 581.
A GREEN MACHINE THAT DOESN’T COST THE EARTH.

Put other greens mowers alongside a Lesco and you’ll notice the difference. Ours is simple in design, sophisticated in performance and built with that American expertise. Yet it has no fancy bodywork, no hard-to-get-at mechanics. So what you see, is what you get. That makes it the best value professional greens mower on the market today. There’s a choice of diesel or petrol power and all the optional extras you’d expect from one of the world’s leading manufacturers. Best of all is the price. It’s as low as we can get without compromising on quality and you’ll find that a contrast to some other green mowers we could name!

Call now for your local dealer details.

Quality doesn’t always cost the earth

CDC Group plc, Chapel Works, Waldringfield, Woodbridge, Suffolk IP12 4PT. Telephone: 0473 36791
ADAS provides comprehensive diagnostic and design services for The ADAS exhibit at the BIGGA Turf Management Exhibition 1992 will focus on the very topical subject of water management for turf areas. Reflecting the importance of adequate drainage and irrigation ADAS provides comprehensive diagnostic and design services for both, from initial problem identification through to contract management and future maintenance programmes. All design work and management recommendations utilise the very latest scientific and technical information, while taking full account of environmental and economic considerations. With locally based consultants supported by in house specialists, diagnostic and analytical laboratories, ADAS is ideally placed to respond quickly and effectively to turf management problems as and when they arise.

AITKEN’S SPORTSTURF Stand No. B17
123 Harmony Row, Govan, Glasgow G51 3NB
Tel: 041-4400033
Contact: Richard Aitken

ASKHAM BRYAN COLLEGE Stand No. C45B
York, North Yorkshire YO2 3PR
Tel: 0904-702121 Fax: 0904-702629
Contact: Nick Bisset/Janice Culligan-Hogg
Askham Bryan College is the centre approved by the Greenkeepers County Golf Unions and Greenkeepers Association in the region. A series of courses have been developed in consultation with the County Golf Unions and Greenkeepers Association in the region. The courses are therefore designed to fit career training at all levels, from new entrants to aspirant managers. The courses are offered on a “block release” basis, with accommodation if required. Each course consists of a series of one week blocks spread over the year. The College also offers courses in Agriculture, Horticulture, Gamekeeping, Floristry, Tourism, Business Management and Forestry.

ATTERTON & ELLIS Stand No. A17
Iron Works, Hamley Road, Haverhill, Suffolk CB9 8QJ
Tel: 0440-702312 Fax: 0440-712138
Contact: David Smith
The EXPRESS DUAL will be shown, which is capable of not only conventional plain cylinder grinding with the cylinder removed, but also in situ grinding of the cylinder when still mounted in the machine – a particularly useful feature when resharpening during mid-season. A Professional kit will be included which allows a larger range of cutting units to be sharpened. The ANGLEMASTER heavy duty bottom blade grinding machine will also be shown and will include a power traverse feature. Both machines are well proven and carry the Atterton hallmark of quality and reliability and may be seen in use in many of the leading golf courses throughout the country as well as many other parts of the world.

BARENBURG UK Stand No. A95B
PO Box 2, Rougham Industrial Estate, Bury St Edmunds, Suffolk IP30 9NW
Tel: 0359-70766 Fax: 0359-71021
Contact: Carol Abbotts
BARENBURG, Europe’s leading grass seed company, is able to provide greenkeepers with the top varieties on the STRI, Bingley list. BARDOT, brown top; BARGROWN slender creeping red fescue; BARBURA chewings fescue; all of these varieties, specially developed for greens, tees and fairways – are constituents of the BARENBURG’s amenity brand mixtures: the “BAR” range. To ensure that you are able to create the best course, not only in the UK, but especially in the eyes of your members, come to the BARENBURG stand A95B in Hall A.

BECKER-UNDERWOOD, INC Stand No. B9/11
801 Dayton Avenue, Ames, Iowa 50010, USA
Tel: 515-232-5907 Fax: 515-232-5961
Contact: Roger Underwood
Becker-Underwood is a U.S. based supplier of speciality colourants and spray pattern indicators. Turf Mark blue spray indicator is available as a Water Soluble Packet (WSP) or a convenient Tablet for CBA and small hand-held sprayers. The WSP’s each treat 200 litres of spray. No plastic container remains following use for disposal. The tablet quickly dissolves when dropped in the spray solution to easily mark the spray application. Green Lawnger is a sports turf permanent grass colour for dormant or discouloured turf. Lake Colourant WSP is the fast, easy way to colour lakes and ponds.

BETTER METHODS-EUROPE Stand No. A87
Brantwood House, Kimberley Road, Parkstone, Poole, Dorset BH14 8SQ
Tel: 0202-740142 Fax: 0202-722300
Better Methods are again showing a wide range of their turf care hand tools and golf course accessories. These include two new items recently introduced. The B.M.S. Soil Profiler, which allows easy examination of soil strata and root growth etc. and the B.M.S. Turf Stripper, which can be supplied with various blades to provide varying widths and depths of cut. Also on show, the U.S.G.A. STIMPMETER. Better Methods are the U.K. distributors for this well known tool for measuring green speeds. Several American Eagle products will be exhibited including the new 16ft. Dew Switch which is proving very popular. Products of B.M.S. manufacture shown include the Turfmaster Golf Hole Cutter, Turf Doctors, Levelawns and many other firm favourites.

BOMFORD TURNER LIMITED Stand No. A63
PO Box 18, Evesham, Worcs WR11 5SW
Tel: 0789-773383 Fax: 0789-772328
Contact: Paul Withers/Jock McLaren
In addition to the now well-proven Turner Turftrim high capacity, 4WD triple cylinder mower with 84” cutting width, and Trojan walk-behind mowers with quickly interchangeable rotary, cylinder or flail cutting decks, Turner will show the following new products: Turner “Rider” with flail, rotary or cylinder cutting units.

Professional Sportsturf Design Associates
A COMPLETE AGRONOMIC CONSULTANCY SERVICE FOR THE GOLF CLUB and GREENKEEPER
- Contract Management of Extensions and New Courses
- Site Management and Problem Diagnosis
- Technical Advice and Support all year round
- Soil and Turf Analysis

For further information contact:
Mike Harbridge, John Hacker or Bill Gillespie on (0772) 884450 or (041) 6431286. Fax: (0772) 884445 75 Garstang Road, Preston PR1 1LD

See us on Stand A31 at BTME '92
Transmission is 5 forward/1 reverse or fully hydrostatic. BT CGD pick-up trucks to heavy-duty models powered by Perkins water-cooled diesels, plus a range of tractor-driven models for three point linkage mounting.

BRITISH SEED HOUSES………………Stand No. A45
Bewsey Industrial Estate, Pitt Street, Warrington, Cheshire WA5 5LE
Tel: 0925-54411 Fax: 0925-416676
Contact: Jonathan H. Franks

Particular emphasis will be made this year on the B.S.H. Grade “A” range of grass seed mixtures suitable for use on golf courses. An interesting display of photographs will illustrate the large number of courses where the company has been privileged to supply all the grass seed. For the 1992 season the company will be launching the new Dutch Chewings fescue called OLIVIA, which has been top rated throughout Europe for its compactness of growth, tolerance to close mowing and strong colour. Details of the B.S.H. Wild Flora Conservation mixtures will also be available.

BIGGA………………Stand No. C27
Aldwark Manor, Aldwark, Alne, York, North Yorkshire YO6 2NF
Tel: 03473-581/2 Fax: 03473-8864
Contacts: Neil Thomas, David Golding, Debbie Savage, Samantha Flint, Sue Gudgeon; Greenkeeper International: Bill Lynch, Carol Dutton, David White.

BIGGA welcomes all visitors to Harrogate once again. The Association’s staff look forward to meeting you on the Stand, where much lively and informed discussion can be assured. The Association’s staff will be the highly successful C600 Golf. The Greens range of professional cylinder and gang mowers now has a host of improvements including plastic grass boxes and anodised cylinders all of which will be on display. From the Bolens range of equipment we have the very successful Chipper/Shredders and the innovative walk behind mulching mowers.

CDC GROUP OF COMPANIES………………Stand No. A69
Chapel Works, Waldringfield, Woodbridge, Suffolk IP12 4PT
Tel: 0473-36791 Fax: 0473-36370
Contact: Alan Clarke

Lesco will be displaying their extensive range of golf course maintenance machinery including the new 300D three-wheel drive greensmower which has a higher specification than any other greensmachine currently available. The 300D will be accompanied by the 300 petrol, 500D, ZTR out front rotary, renovator 20 and the comprehensive range of spreaders. Lesco will also be exhibiting their new three and five unit gang mowers which are proving to be extremely popular and provide a simple cost effective method of maintaining fairways to pristine level.

CMW EQUIPMENT………………Stand No. A93
3 Priors Way, Coine Road, Coggeshall, Essex CO6 1PW
Tel: 0376-562569 Fax: 0376-562569
Contact: Mike Moss

CMW are once again pleased to be exhibiting at BTME. This year we will be showing a full range of on course equipment, and tools, including flag pins, tee equipment, litter baskets, bunker rakes and signs. In addition to this we will be doing something different on the stand that we think everybody will be interested in. Drop in and see us on Stand A93.

CAIRD GROUP PLC………………Stand No. A27/29
Thelwall Lane, Warrington, Cheshire WA4 1TD
Tel: 0925-37195 Fax: 0925-411208
Contact: Harry Lester
Manufacturers of fine turf top dress. Sports surface designers.

CANNINGTON COLLEGE………………Stand No. C45
Cannington, Bridgewater, Somerset
Tel: 0278-652225 Fax: 0278-652479
Contact: Kristine Bater

CHESHIRE COLLEGE OF AGRICULTURE………………Stand No. C45B
Reaseheath, Nantwich, Cheshire. Tel: 0270-625131
Contact: Dennis Mortram

CLAYMORE GRASS MACHINERY………………Stand No. B5
Waterloo Industrial Estate, Waterloo Road, Bidford-on-Avon, Warks B50 4JH
Tel: 0789-490177 Fax: 0789-490170
Contact: Nick Miles

Prominent in each of the three ranges of equipment distributed by Claymore in the UK are machines for the golf course market. With Sabo-Roberine a variety of professional hydraulic cylinder mowers that can handle specific golf course requirements. On the stand will be the highly successful C600 Golf. The Greens range of professional cylinder and gang mowers now has a host of improvements including plastic grass boxes and anodised cylinders all of which will be on display. From the Bolens range of equipment we have the very successful Chipper/Shredders and the innovative walk behind mulching mowers.
D & E TURF MAINTENANCE

St Johns School House, Central Parade, Shildon, Co Durham DL4
Tel: 0388-772844
Contact: David Stephenson

Specialist contractors who were the first to contract hire the revolutionary Toro Hydrojet 3000. This supplements their fleet of commercial grass cutting and greens aeration equipment. Introducing for 1992 the Toro Fairway Aerator again another first for these go ahead contractors.

DIXON & HOLLIDAY

Unit 4 Graham Potter Estate, Beech Avenue, Swindon, Wilts SN2 1JY
Tel: 0793-513214 Fax: 0462-701358
Contact: Ian M Dixon

On display we will have the incredible range of liquid organics Farmura ‘Porthcawl’ which is ideal for mowing those steep banks which cover many bunkers. A new development which we are showing is the 30 inch hedge trimmer accessory. A full range of blades will be on display suitable for grass cutting to pruning.

ELMWOOD COLLEGE

Cupar, Fife KY15 4JB
Tel: 0334-552781 Fax: 0334-56795
Contact: Carol Borthwick

The name of Elmwood in the UK and now in Europe has become synonymous with the provision of specialist programmes of study for golfers. The first course was the Higher National Certificate in Golf Course Management which we hope to offer by correspondence course in 1993.

ENGLISH GOLF UNION

103 Upper King Street, Leicester LE1 6XF
Tel: 0533-553042 Fax: 0533-471322
Contact: Keith Wright

The English Golf Union is one of the world’s greatest sporting bodies and its development work is concerned with all aspects of the game. The Union is increasingly involved in education and training and the programmes we run take into account the wide range of needs of entrants from the game’s professional to the keen amateur.

EUROTURFCARE LTD

Dromenagh Farm, Sevenhills Road, Iver Heath, Ashford, Kent TN27 9DU
Tel: 0895-834411 Fax: 0895-834892
Contact: Alan Moffat

The Company that gives service, quality, and dedication to every customer. The only European supplier of the unique Pre-Germinated Grass seed and its processes. New Slow Release Fertilizer from America to place alongside our conventional fertilizer. Also stockists of - Iseki, Landpride, Little Wonder, Modus T, Sisis, wetting agents, Pavek System which is ideal for wear areas. Come and discuss how we can help you.

FARMURA LTD

Stone Hill, Egerton, Ashford, Kent TN27 9DU
Tel: 0233-76241 Contact: Jonathan Harmer

From the market leading range of liquid organics Farmura ‘Porthcawl’ will be highlighted - a major step forward in organic formulation. A new addition to the Flo-Gro range is an 8-2-6 analysis. Shown for the first time. Kelplant, a water retaining seaweed conditioner is an important addition to the range with wide application from construction to dry spots - its properties will be demonstrated on the stand! Along with Ferrosol liquid iron and Blazon spray pattern indicator, the revolutionary Turf Iron will also be featured. New to the golf industry is the plastic ‘Green’ paver system which is ideal for wear areas. Come and discuss how we can help you.

FARMURA LTD

Stone Hill, Egerton, Ashford, Kent TN27 9DU
Tel: 0233-76241 Fax: 0462-701358
Contact: Andrew Lawrence

Fenchurch Insurance Brokers are Insurance advisors to BIGGA and their members. We have built our international reputation by regularly meeting the needs for a flexible and innovative approach to insurance broking. Fenchurch are in a unique position to be able to offer quality service to private individuals and corporate clients. We feel sure that as an individual or business, you can only benefit from talking to Fenchurch as our commitment to your requirements is second to none. To discuss any insurance matter, please contact Andrew Lawrence or Alex Dawson on Stand C5 or at the address above.

FORD NEW HOLLAND LTD

Cranes Farm Road, Basildon, Essex SS14 3AD
Tel: 0268-533000 Fax: 0268-284503
Contact: Peter Bray

Comprising five models, the Series 20 Ford compact range provides tractors from 16 to 41hp. These high specification tractors incorporate such features as 4WD, power steering, and a choice of transmission options. The ergonomically designed operator area provides an ideal working environment, whilst the Ford Q cab attains very low in cab noise levels. Large capacity, low revving engines have excellent power and torque characteristics, whilst the high lift capacity of the rear linkage ensures compatibility with most category one equipment. The versatile CM224 commercial mower is exhibited with the FM60 deck that is available with side or rear discharge.

FRASER GROWN LAWN PROFESSIONAL

Woodside Farm, Sandy Lane, High Kinnerton, Chester CH4 9BS
Tel: 0244-660901 Fax: 0244-660468
Contact: Pauline Fraser

Fraser Grown Lawn Professional has a reputation built on quality, reliability and value for money, which has led to us becoming a major supplier of turf. We have invested in the latest machinery available to produce, maintain and harvest the turf to the highest quality. Delivery is made by our own fleet of vehicles either with crane off loading facilities or by rear mounted fork lift for specific drops anywhere on site, which cuts down on time and labour for you. Dealing with a family run company like Frasers, means that our customers are always assured of personal service.

GANNON UK LTD

Holme Close, Welbourn, Lincoln LN5 0QL
Tel: 0400-72475 Fax: 0400-72303
Contact: G D Overton

We are exhibiting a small range of turf renovation and over-seeding equipment, also highlighting golf course construction equipment.
AN UNBEATABLE PEDIGREE

Here at Atterton & Ellis we have been making Grinders for over 100 years and although we say so ourselves, we are rather good at it and our Grinders prove it!

It is hardly surprising that during this time we have made Grinders for just about every type of cylinder on the market and for most of the prominent Grounds and Golf Clubs around the country.

In fact, in our work shops at the moment we have Express Duals ready to go to America – the Atterton is well proven on the other side of the Atlantic too!

Our customers tell us the reasons we are still in demand 100 years on – our dedication to service, the quality of build, the value for money – they all add up to the finest Grinders available today.

We have constantly changed and adapted our manufacturing techniques to combine the best of yesterday’s skills with the benefits of tomorrow’s technology.

But more important than all that we are first and foremost Grinding enthusiasts and are happy to talk and give advice whatever your grinding requirements.

The Atterton Master leads the field – The Express Dual a technological revolution, in-situ and separate cylinder grinding – The Anglemaster, a bottom blade grinder to complement the best in cylinder grinding machines.

ATTERTON & ELLIS LTD
Manufacturers of Fine Grinders for over 100 years
Iron Works, Haverhill, Suffolk CB9 8QH.
Tel: (0440) 702312 Fax: (0440) 712138
GEM PROFESSIONAL
Stand No. B105
Brookside Lane, Oswaldtwistle, Accrington, Lancs BB5 3NY
Tel: 0254-393321 Fax: 0254-236775
Contact: Duncan Metcalfe
Gem Professional, the largest privately owned manufacturer of fertili-
tizer and turf dressings, will be exhibiting their full range of
amenity products. Gem Professional operate under the stringent
control of BS 5750, details of which are available on the stand
from our B.A.S.I.S. registered, experienced area representatives.

GLEN HEAT & IRRIGATION LTD
Stand No. A99
Spalding Road, Pinchbeck, Spalding, Lincs LE11 3UE
Tel: 07757-722357 Fax: 0775-725444
Contact: Gilbert Maddison
Our stand will display the Buckner comprehensive range of Pop-
Up sprinklers and equipment for all types of turf irrigation sys-
tems, plus the latest computerised control units. There will also be
photographic displays and information on pump units, storage
tanks and auxiliary equipment together with the Briggs self travel-
ling rotary irrigators – for fairway and sportsground watering. The
Otterbine range of floating aerators, used for the ultimate effi-
ciency of pond and lake water management, will also be included.

GOLF COURSE SERVICES
Stand No. A19
6 Stewert Road, Market Harborough, Leics LE16 9PQ
Tel: 0858-463153
Contact: Mike Walker

GREENKEEPERS TRAINING COMMITTEE
Stand No. C3
Aldwark Manor, Aldwark, Alne, York, North Yorkshire Y06 2NF
Tel: 03473-581/2 Fax: 03473-8864
Contact: Neil Thomas, General Administrator

HARES OF SNAPE LTD
Stand No. B101
Manor House, Snape, Bedale, North Yorkshire DL8 2TA
Tel: 0677-70269/70300 Fax: 0677-70681
Contact: Peter Hedley
Manufacturers of golf driving ranges and greenkeepers stores. All
buildings are individually designed. Construction consists of either
a steel or timber frame with optional cladding materials. A full
planning and building regulation service is available to obtain the
necessary Local Authority Approvals. A full package is offered to
include the foundation work, erection and cladding, masonary
walls and flooring.

HAYTERS PLC
Stand No. B59B
Spellbrook, Bishops Stortford, Herts CM23 4BU
Tel: 0279-723444 Fax: 0279-600338
Contact: Tina Pulford
Making its debut at BTME, the 9-bladed 22" Greensmower has
dual-driven rollers for straight cutting. Attachments include,
groomer brush, tournament kit and de-thatching equipment.
The new Hayter Beaver T92 is powered by a 16hp Kubota diesel.
This hydrostatic triplex greensmower has 9-bladed reels giving
156 cuts per yard. Optional extras include vertical cut mowers and
a set of greens conditioners. Visitors can arrange a demonstration
of the revolutionary Articulator – a rear-mounted tractor rotary
mower which closely follows uneven contours on golf course semi-
rough areas without scalping. Staff on the Hayter Beaver stand
will be pleased to provide more information about our comprehen-
sive range of turf cutting machinery for golf courses.

HOLE-IN-WHITE EUROPE
Stand No. A9
Skinners Farm, Epping Lane, Stapleford Tawney, Essex CM1 1ST
Tel: 040-284345
Contact: Robert Paterson/Irene Paterson
We return to Harrogate for the second year to enable greenkeepers
and trade to see at first hand a demonstration of Hole-In-White in
use. Hole-In-White is a golf hole turf whitener and has been spe-
cially designed to provide the golf course manager/greenkeeper
with a fast and most efficient way of painting the inside of the golf
hole (top inch) using our patent device and quick drying aerosol
paint. Don't miss this opportunity to come along and see us on
Stand A9.

HUXLEYS GRASS MACHINERY
Stand No. A57
The Dean, New Alresford, Hants SO24 9BL
Tel: 0962-733222 Fax: 0962-734702
Contact: Martin Cooke
Huxleys Grass Machinery will be showing equipment designed and
built at their New Alresford works in Hampshire. On show will be
the new Huxtrak Turf Maintenance Vehicle with 23.5hp Perkins
diesel engine, power steering and automatic hydrostatic transmis-
sion. The Huxley 358 Greensmower and other machines from
Huxleys' range of heavy duty reelmowers, reelmowers for compact
tractors, turf care Implements, The Little David stump remover,
Royer shredders and Powerscreens will also be displayed.

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I/C DISTRIBUTORS
Stand No. A5/7
Sutherland Avenue, Wolverhampton WV2 2RA
Tel: 0902-452138 Fax: 0902-454159
Contact: Michelle Brittain

ICI PROFESSIONAL PRODUCTS
Stand No. B61
Fernhurst, Haslemere, Surrey GU27 3JF
Tel: 0428-645454
Contact: Roger Mossop
ICI Professional Products will be featuring the highly successful
'Longlife' range of fertilizers, which includes a number of products
incorporating the slow release molecule 'Didin'. The incorporation
of 'Didin' helps to create a more even growth pattern by reducing
the initial flush experienced with conventional fertilizers and is
available as soon as the plant starts to grow. The display will also
concentrate on the range of well known ICI turf care pesticides,
including the fungicide 'Daconil' turf, and the ever popular herbi-
cide Super 'Verdone'. The ICI range goes beyond the maintenance
of turf, and we can offer a number of products to use in the land-
scaping and general maintenance of the golf course and club
house area. The most versatile of these products being 'Casoron' G,
which can be used for selective weed control in shrubberies, total
weed control around buildings or even weed control in water haz-
ards. Call on the ICI stand No. B61 and see the new applicators for
use with this popular product.

INSTITUTE OF GROUNDSMANSHIP
Stand No. C51
19-25 Church Street, The Agora, Wolverton, Milton Keynes
MK12 5LG
Tel: 0908-312511 Fax: 0908-311140
Contact: Derek Walder, General Secretary

INTER SEEDS LTD
Stand No. C15A
Thorn Farm, Evesham Road, Inkberrow,Worcs WR7 4LJ
Tel: 0386-793135 Fax: 0386-792715
Contact: Jeremy Howarth
Inter Seeds will be promoting their wide range of top quality vari-
eties, including Lisabelle and Lisuna perennial ryegrasses, Liefila
Chewings fescue, Liprosa slender creeping red fescue and Limousine smooth stalked meadow grass. These varieties have been formulated into a number of specialist mixtures for new and existing golf courses and special mixtures can also be produced to individual specifications if required. Conservation now plays a very important part during the planning stages of new golf development, as well as improving and diversifying existing courses. Inter Seeds have developed a wide range of “PRO Flora” mixtures suitable for a variety of situations. To assist with the establishment and maintenance of quality turf, Inter Seeds offer the “PRO Fert” range of approved and recommended fertilisers. Details of all Inter Seeds products are contained in their comprehensive brochure and staff will be available at the exhibition to provide technical advice.

INTURF LIMITED Stand No. A77
11B Regent Street, Pocklington, York YO4 2KN
Tel: 0759-304101 Fax: 0759-305229
Contact: Mike Herringshaw/June Edwards

ISEKI UK LTD Stand No. B65
Broadway, Bourn, Cambridge CB3 7TL
Tel: 0954-718981 Fax: 0954-719731
Contact: Colin Gregory
Iseki UK Ltd will be exhibiting a comprehensive range of tractors suitable for golf course and fine turf use. Tractors designed with the operator in mind to achieve high productivity on your course or park. Ranging from 16hp – 48hp with four wheel drive, flat floor, power steering on most models. Also on view a comprehensive range of fine turf maintenance equipment such as the Australian Greencare Coremaster and Shattermaster, top-dressers, scarifiers, etc. Indeed, most of what you require is available from one specialist supplier – Iseki – the driving force in golf and fine turf.

JACOBSEN Stand No. C25
Jacobsen House, Telford Way Industrial Estate, Kettering, Northants NN16 8UN
Tel: 0536-417777
Contact: Mark Osborne
Leading manufacturers of turf care equipment, Jacobsen, will display, selected machines from their comprehensive range. Throughout the world, the Company has earned an enviable reputation for the quality and efficiency of its specialist golf course machinery. Covering every aspect of turf care, from mowing, through aeration to top dressing, sweeping and spraying, Jacobsen fit the bill. Products on show include: GREENS KING, widely acknowledged as the finest triplex greens mower, TURFCAT, in its element mowing the rough, TRI KING, superb for aprons, tees and bunker surrounds, LF 100, master of the fairways and WORKHORSE, the all round, all purpose utility vehicle.

JOHNSONS SEEDS Stand No. B13
London Road, Boston, Lincs PE21 8AD
Tel: 0205-365051 Fax: 0205-359857
Contact: Mark Osborne
Visit our stand to discuss your grass seed requirements for all areas of your golf course. We have the expertise and the wide range of suitable cultivars to produce excellent playing surfaces whether it be renovation work on existing sites or newly constructed courses. Our displays will also feature wild flowers, a useful component in rough areas, lending extra character to your course. Disease has been a problem this past autumn, particularly on newly sown areas – we have the answer with "APRON T", a standard dressing on our greens and tees mixtures. Come and see us...

KUBOTA (UK) LIMITED Stand No. A49
Dormer Road, Thame, Oxon OX9 3UN
Tel: 084421-4500 Fax: 084421-6685
Leading Kubota (UK) Ltd’s machinery line up at BTME ‘92 is the...
new 4WD, 24hp, FZ2400. With revolutionary zero turn, this front mounted ride-on mower gives the operator the tightest turning circle compared with any other similar model. Also featured on the Company's stand are the new Kubota W Series of walk behind mowers and the new self discharging collectors compatible with Kubota's range of ride-on mowers and compact tractors. Kubota will also be showing the 40 SAE hp (36.5 DIN hp) L3250 tractor, complete with the new low noise 'Q Status' cab which has a noise rating of 82 dba at the driver's ear.

LANCASHIRE COLLEGE OF AGRICULTURE & HORTICULTURE
Myerscough Hall, Billsborrow, Preston, Lancs PR3 0RY
Tel: 0995-40611 Fax: 0995-40842
Contact: Lorna Tyson
Few colleges in the UK can boast such a long association with greenkeeping and groundsmanship training. In addition to offering a wide range of traditional part-time and full-time courses, the Lancashire College is also leading the field in the development of commercial and educational links within the leisure industry which provides a considerable bonus to all courses being run by the College.

LAWN TECHNOLOGY LTD
Turf House, 16 Invincible Road, Farnborough, Hants GU14 7QU
Tel: 0252-370101 Fax: 0252-370241
Contact: Stuart Mall
With over 500,000 sq yds of top quality turf installed in our first 9 months of operation this year, Lawn Tech are the largest single fine turf distributor and installer in Europe. We have the range of turf, proven equipment, and above all the experience to supply the best service for any turf requirement, from simply supplying and laying a tee; to striping, renovating, and re-turfing damaged or tired greens. For a free quotation, from Lands End to John O'Groats, visit our stand or contact Jeannie Somers on 0252-370101.

LINDUM SEEDED TURF
Church House, Horkstow, Barton on Humber, South Humberside DN18 6BG
Tel: 965261-329 Fax: 065261-447
Contact: Geoff Hodson
We will have on display our respected PAF greens turf and our "Fine" yet High Wear Tolerance Tees Turf. "New" our latest 80/20 Pescue Bent Greens Turf containing the revolutionary new "Sefton" bent grass.
"A" Very Fine • "A" Shortness of Growth • "A" Compactness and excellent all year round colour. It's the Tops a "COURSE LEADER"
Call and discuss your problems/requirements on our stand C35.

LLOYDS & CO LETCHWORTH LTD
Birds Hill, Letchworth, Herts SG6 1JE
Tel: 0462-683031 Fax: 0462-481964
Contact: Derek Haley
The theme on the Lloyds of Letchworth's stand at BTME will be the importance of maintaining and servicing equipment. Lloyds has built a reputation for quality after-sales-service through its own specialist department in Letchworth, and is now able to extend this facility to embrace Customer Choice Maintenance. New for 1992, the Vertical Rake attachment for 21" Paladins comprises twenty-six specially hardened steel, ten-bladed discs, each set 19 mm apart. Easy to fit, the Vertical Rake has height adjustment and debris collection facility. Whether purchasing outright or leasing, Lloyds' finance scheme through Barclays Mercantile Highland Finance will help to spread the load.

M & M TIMBER CO LTD
Hunt House Swamills, Clows Top, nr Kidderminster DY14 9HY
Tel: 0299 22611 Fax: 0299-22536
Contact: John S Cockayne
UNILOG GOLF PRODUCTS – Nothing enhances a landscape setting more than the use of a natural material blending with the surrounding countryside. Timber, with its soft look and versatility, is such a material and one which is being increasingly used within golf club developments. The UNILOG range of top quality products complement the natural environment and are suitable for many golf club applications. The design possibilities presented by UNILOG are limitless, including earth retaining walls for raised tees, winter and practice tees, litter bins, tri rips, softwood bollards, border edging, lake revetment and a full range of sign boards and other directional indicators.

M & M TIMBER CO LTD Stand No. A43
Hunt House Swamills, Clows Top, nr Kidderminster DY14 9HY
Tel: 0299 22611 Fax: 0299-22536
Contact: John S Cockayne
UNILOG GOLF PRODUCTS - Nothing enhances a landscape setting more than the use of a natural material blending with the surrounding countryside. Timber, with its soft look and versatility, is such a material and one which is being increasingly used within golf club developments. The UNILOG range of top quality products complement the natural environment and are suitable for many golf club applications. The design possibilities presented by UNILOG are limitless, including earth retaining walls for raised tees, winter and practice tees, litter bins, trip rails, softwood bollards, border edging, lake revetment and a full range of sign boards and other directional indicators.

MARKETING LINK ASSOCIATES Stand No. B15
24 Badgers Court, Langdon Hills, Basildon, Essex SS16 6AU
Tel: 0268 413798 Fax: 0268 416434
UK and European Marketing Agents for "Blazon" Spray Pattern Indicator.
PRODUCT FEATURES

• 1000's of patented micro perforated funnels moulded into the gro-cover polythene fabric.
• The design of the micro funnels collect and store the sun's heat.
• Gro-cover floats on and protects the emerging grass.

PRODUCT BENEFITS

• Provides uniform ventilation and porosity with a 93.5% available light transmission.
• University tests show night low temperatures are increased up to 7°F for soil and 6°F for air.
• Protection against birds, wind and washaway.

Now read what Stewart Boyes, Head Greenkeeper of Harpenden Golf Club Ltd, Harpenden, Herfs, has to say about Gro-Cover.

"A complete cover of new grass in only two weeks and the green back in play within three. I cannot praise your product enough and would recommend it to anyone in the greenkeeping profession."

VITAX LTD., OWEN STREET, COALVILLE, LEICESTER LE6 2DE. TEL. 0530 510060. FAX. 0530 510299

FINE TURF TOP DRESSING
A GUARANTEED HIGH QUALITY TOP DRESSING BLENDED TO CLIENT SPECIFICATION

A controlled mix of sandy loam mineral soils & washed river sand to aid fertility & facilitate aeration & drainage.

Fortified with copper & zinc for increased resistance to fungal diseases & a faster recovery rate for affected greens.

Low pH encourages growth of selected grasses.

Iron content hardens sward & greens without flush growth.

Will not layer out & cause root break.

Easy to apply & spread without dusting.

For full details and samples contact:
MIDLANDS & SOUTHERN ENGLAND
J&S THAMESIDE LTD
Tel: 0708 861194

SCOTLAND & NORTHERN IRELAND
AGRIPRO
Tel: 0257 278861
“Blazon” is a totally water soluble, non-toxic, non-staining colourant which when added to spray solutions indicates at a glance where the operator has or has not sprayed. “Blazon” can be added to the spray solution of insecticides, fungicides, weedkillers, wormkillers, wetting agents, liquid fertilisers and grass growth retardants. “Blazon”, when mixed with spray solutions produces a temporary blue/green colour which dissipates by rainfall, dew or even sunlight alone. “Blazon” is safe to use, indicates at a glance blocked spray nozzles and can be easily washed from hands and clothing.

MAXWELL HART .......................... Stand No. B111A
612 Reading Road, Winnersh, Berks RG11 5HF
Tel: 0734-785655 Fax: 0734-785805
Contact: Patrick Lilley
Maxwell Hart will be exhibiting a complete new range of liquid fertilisers and soil conditioners - Quantum Flowable, Ferrus Green, Sane 'N' and new from Ireland Abbey Organic. All of these products have been developed with top quality materials but at economic rates to meet your budget demands. Also on display will be a completely new range of colourants for turf management. Following the launch of Turfmark spray colourant, Maxwell Hart are pleased to release Green Lawnger, Lake Magic and Mulch Magic. A warm welcome awaits you on Stand B111A.

MULTI-CORE AERATORS LTD .......................... Stand No. A95A
229 Higher Meadow, Clayton Le Woods, Leyland, Lanes PR5 2RR
Tel/Fax: 0772-451959
Contact: Ian Waddington
The Palmer Multi-Core range of hollow tining machines can be seen at the BIGGA Exhibition at Harrogate on Stand A95A. Multi-Core Aerators Ltd import the whole range of machines and spare parts. We have two sizes of tractor mounted machine, one contractor self-propelled and two pedestrian, one steering and one with front roller in the range. There are a number of different style heads and tines to suit individual needs. The machinery can also be hired, but as this is very popular an early phone call would avoid disappointment.

NATIONAL TURFGRASS COUNCIL .......................... Stand No. C41A
9 Ferrands Park Way, Harden, Bingley, West Yorks BD16 1HZ
Tel: 0535-273188
Contact: John Shildrick
The National Turfgrass Council is the national organisation concerned with all outdoor amenity grass and non-grass surfaces used for sport or recreation. We link together 23 Member Organisations, 40 Patrons and a widespread Associate Membership. Our display shows our current activities on behalf of the industry, our forthcoming events, and our range of publications.

NETLON LIMITED .......................... Stand No. A65
Kelly Street, Blackburn, Lancs BB2 4PJ
Tel: 0254-262431 Fax: 0254-680008
Contact: Peter Langley
Netlon Advanced Turf Systems provide natural turf with inbuilt resilience, durability and a unique self-cultivating action. The result is turf which not only withstands extensive use but demands less maintenance. Reducing divot size, halving recovery time and resisting soil compaction makes Netlon Advanced Turf ideal for tees and greens. Grassed parking areas and trolley paths also become more hard wearing. The secret is thousands of 100 mm x 50 mm polypropylene mesh elements blended into a selected rootzone medium. These flex during play and maintenance to create voids that ensure that the surface always drains quickly and the turf remains healthy.

OAKLANDS COLLEGE .......................... Stand No. C47B
Oaklands Campus, Hatfield Road, St Albans, Herts AL4 0JA
Tel: 0727-50651
Contact: Ian Merrick
The College offers a wide range of training courses for the profession...

First Choice for Golf Turf Care Products

STA-BRITE Supplies Limited
Prompt Delivery
Competitive Prices
Complete Turf Care Range

Fertilisers
STA-GREEN, Schweizer, Supaturf

Grass Seed
STA-BRITE Hi-Fliers, Sharpes, Mommersteeg, Supaturf

Chemicals
Rhone-Poulenc, Vitax, Nomix-Chipman

Wetting Agents
Aqua-Gro, Advantage, Organiflo, Turfex

Top Dressings
STA-BRITE 70/30 & 60/40 bagged

Golf Equipment
Tacti range + hole cups, flagstaffs, flags, tee mats, tee markers, signs

STA-BRITE Supplies Limited
Unit 7 Bessemer Park, Bessemer Road
BASHINGSTOKE, Hants RG21 3NB
Tel: (0256) 811811 Fax: 811078

See us on Stand A9 at BTME '92
sional greenkeeper.

Full-time courses – 1 year course leading to the National Certificate in Greenkeeping and Sports Turf Management.

Part-time courses – Phase 1 and 2 Greenkeeping and Sports Turf Management; Parts 1 and 2 Horticultural Mechanics; Phase IV Business Management.

Short Course Programme – a full range of short one or two day courses designed especially for the greenkeeper. The College also offers a full training and technical consultancy package. For full details of all our courses and services, please write to the Recruitment Secretary.

OTTERBINE AERATORS Stand No. A21
3840 Main Road East, Emmaus, Pennsylvania 18049, USA
Tel: 215-965-6018 Fax: 215-965-6050
Contact: Charlie Barebo

Otterbine Aerators can help keep irrigation waters clean. This full-time management tool reduces bottom sludge, algae, aquatic weeds and foul aquatic odours through a process called Aeration. Mechanical aerators pull cold dense bottom waters upward and throw them into the air where they collect atmospheric oxygen. This circulation and oxygenation helps speed the biological clean-up process. Mechanical aerators are effective when the stress on the aquatic ecosystem is greatest during calm, still and cloudy days. Otterbine supplies a self-contained compact system with over 100,000 installations throughout the world. Contact Golf Course Services, our exclusive English distributor at 0858-410085 for more details.

H PATTISSON & CO LTD Stand No. B71
342 Selbourne Road, Luton, Beds LU4 8NU
Tel: 0582-597262
Contact: Peter Dell

Pattisson, being Europe’s largest and leading golf accessory distrib-

PRIME WATERMEN LTD Stand No. B109
Wangford, Beccles, Suffolk NR34 8AX
Tel: 050-278-481 Fax: 050-278-729
Contact: Glyn Prime

Prime Watermen Ltd are main agents for the WEATHER-MATIC range of irrigation equipment as well as being designers and installers of complete irrigation packages tailor-made for turf, landscape and sports applications. The WEATHER-MATIC range comprises impact and gear driven pop-up sprinklers together with remote control valves from brass and plastic materials and electrical controllers giving microprocessor accuracy at traditional mechanical controller costs. Along with this, PRIME WATERMEN LTD have introduced a three-wire, remote-valve control system which gives a visual display and permanent printed record of the date and time of irrigation periods, watering times for individual stations and water usage.

PROFESSIONAL SPORTSTURF DESIGN ASSOCIATES Stand No. A31
75 Garstang Road, Preston, Lanes PR1 1LD
Tel: 0772-884450 Fax: 0772-884445
Contact: John Hacker

Professional Sportsturf Design Associates provide a complete agro-
nomic consultancy service for the golf course. Whether upgrading a mature course to cope with today’s increased play or developing a new course, Professional Sportsturf Design Associates can help you. Many mature golf courses are suffering severe agronomic problems and Professional Sportsturf Design Associates can provide the technical and analytical support necessary for a busy greenkeeping team. New golf courses are being planned every week. Having Pro-

HUXLEYS

All-season turf maintenance

HUBA Multi-Depth Aerator

TR84 Hydraulic Reel mower

Royer Soil Shredder and Powerscreen

Please call us for illustrated literature on our full product range and a no-obligation demonstration on your ground.
fessional Sportsturf Design Associates act as Consultant-in-Charge will ensure a high quality, well managed project. Accurate working drawings, tender documents and careful site supervision ensure that you get the best value for money. See Mike Harbridge, John Hacker or Bill Gillespie on Stand A31 to discuss how we can help.

RANSMES SIMS & JEFFERIES LTD Stand No.A67
Ransome Way, Ipswich, Suffolk IP3 9QG
Tel: 0473-270000 Fax: 0473-270032
Contact: Richard Bishop
Ransomes position as a world leader in the production of grass cutting and turf care machinery will be illustrated at the exhibition, where the company will be showing a range of machines. The recently launched Greenspro 56, a highly sophisticated machine designed for precision cutting of fine turf, will be alongside the GT classic which has been developed from the popular Greens Triple Mower and offers high standards of finish with precise hand operated hydraulic controls and a choice of cutting units. Also on show will be one of a range of sweepers available from Ransomes. The Ransomes 250 Pedestrian Sweeper, with three brushes and a sweeping width of 30ins (76cm) will pick up leaves, grass, litter and cores from all areas of the golf course. Also on show will be a three wheel diesel Cushman Turf Truckster, the multi purpose system vehicle available with a range of attachments for all aspects of turf care.

RHONE-POULENC ENVIRONMENTAL PRODUCTS Stand No. A15
Regent House, Hubert Road, Brentwood, Essex CM14 4TZ
Tel: 0277-261414 Fax: 0277-260621
Contact: Sion Price
Rhone-Poulec Environmental Products has a lot on show at BTME ’92 on Stand A15. TWISTER is a carbaryl product giving fast control of worms, and is recommended for use on all turf areas. CAST-AWAY PLUS, an established worm and leatherjacket control product is now also available as a CDA formulation. CDA CAST-AWAY PLUS gives an effective answer to the problem of casting worms at a total spray volume of only 10L/Ha. The extensive range of CDA products available from Rhone-Poulec now totals seven including fungicides, selective herbicides, total herbicides and of course an insecticide/wormkiller. Following the development of a novel bleed valve system, the blue LANCELOT CDA lance can now be used to apply the range of CDA products directly from the bottles in which they are supplied. DATACHEM is a computer software programme to aid the amenity spray operator. Calibrations, costings, product volume requirements, conversions, data storage, legislative information and much, much more! Come and see all the beneficial features of DATACHEM for yourself.

RIGBY TAYLOR LIMITED Stand No. A97
Rigby Taylor House, Garside Street, Bolton, Lancs BL1 4AE
Tel: 0204-394888 Fax: 0204-385276
Contact: Clive Williams
Rigby Taylor will be featuring a product which is proving invaluable to all those involved in the management of sports turf and amenity grassland areas. Mascot Absorb 500 flowable charcoal de-activator can be used to de-activate hydraulic fluid, petroleum product and pesticide spills. It is your insurance against spills and over-application of pesticides, and can be applied to turf areas that have been treated with herbicides, whenever re-seeding is needed earlier than planned. When early germination and grass cover is needed, Absorb 500 can enhance the germination of seed and is also suitable for sprayer cleaning after pesticide use. Visit the Rigby Taylor stand to see another new product!

ROLAWN (TURF GROWERS) LTD Stand No. A61
Elvington, York YO4 5AR
Tel: 0904-608661 Fax: 0904-608272
Contact: Rachel Semlyen
Rolawn supplies hundreds of golf courses in the UK and exports to Europe and Ireland. A unique background of research and development has resulted in turf specifically for the golf course of today, supplied throughout the year from local depots or from our head-quarters.
ROLAWN ADVANTAGE – grown from exclusive seed mix, Poa free and closer mown to come into play early (within weeks depending on time of year).
ROLAWN SELECT – a fine, non-ryegrass turf for budget greens, surrounds.
ROLAWN OLYMPIC – well-known for tees.
ROLAWN MEDALLION – our most popular landscaping turf for hard-wearing tees.
NEW on the stand: FREE LOAN of Laying Equipment for turf cut in BIG ROLLS. See it and try it!

RUFFORD TOP PRESS SUPPLIES LTD Stand No. A91
Acton Grange Quarry, Birchwood Lane, Moore, Warrington WA4 6XE
Tel: 0925-232476 Fax: 0925-574004
Contact: Peter Jefford
Rufford Topdress Supplies Ltd are leaders in the field of supplying golf courses and sportsgrounds throughout the U.K. with a superior range of topdressings and construction rootzone mixes. All Ruffords materials are produced from their own quarries. Working closely with prominent soil scientists and agronomists has enabled Rufford Topdress to set very high standards within the industry. A warm welcome awaits old and new customers.

SAKER LEISURE LIMITED Stand No. A81
Unit 42, Weston Industrial Estate, Honeybourne, Evesham, Worcs WR11 5QB
Tel: 0386-841380 Fax: 0386-841135
Contact: Carrie Burley
Saker Leisure Limited will be happy to discuss products from their golf range on stand A81. Products include a comprehensive range of Masters tee mats, including the new Masters Mat, specifically designed for the driving range, synthetic winter and target greens and a newly designed practice bay. Saker Leisure are members of the Synthetic Sports Surfaces Association (SSSA).

THE SCOTTS COMPANY Stand No. B107
14111 Scottslawn Road, Marysville, Ohio 43041, USA
Tel: 513-644-0011 Fax: 513-644-7679
Contact: Korbin Riley
See Otterbine on BTME Stand A21

Otterbine Aerators

The prescription for troubled breathing, poor circulation, and changing temperatures in ponds and lakes is practical engineering that is esthetically pleasing.

These aerators range in power, circulating from 600,000 to 20 million gallons of water in a

24-hour period. Each complete, turnkey system is delivered fully assembled; no special pumps or foundations are required.

Striking patterns begin with the Starburst, Rocket, Sunburst, Constellation, or Phoenix working alone or mingled together. Add the Otterbine Fountain Glo™ lighting system for spectacular evening display as well as security or the Rock Float Cover for the illusion of natural spray.

Otterbine Aerators meet the water management needs of golf courses, parks, recreational lakes, office developments, and residential condominiums. Call or write for more information:

Barebo Inc.
R.D. 2, P.O. Box 217
Emmaus, PA 18049
USA
215/965-6018
Supafurf will launch their new reformulated spreadable soil wetting agent - Aqua-Gro 20:S, a more concentrated product that costs less to use. Restructured and with a higher active content, Aqua-Gro 20:S now offers a spreadable Aqua-Gro as effective as Aqua-Gro liquid at equivalent rates, with the added convenience of applying through a spreader, or by hand for spot treatment. The product is supplied in easy to open weatherproof 20kg bags. View also the Aqua-Gro Advantage system, using Aqua-Gro in a pellet form through a conventional hose pipe, and Cyto-Turf, a solution for the treatment of thatch and the promotion of healthy growth in turf, greens and tees.

SIERRA UK LTD..............................Stand No. A101
61 Loughborough Road, West Bridgford, Nottingham NG2 7LA
Tel: 0602-455100 Fax: 0602-455311
Contact: Steve Gent
Sierra announce the completion of their range of controlled release fertilizers by introducing Sierrablen Mini 25-2-10 with a 6 month nutrient release period which will provide the ideal base fertilizer for all greens - but of special interest for sand construction greens where minimum leaching is so important. Sierra now offer Osmocote N - 39% controlled release Nitrogen for heavy use areas - especially golf tees - to be used on all tees at the venue for the 1993 Open - Royal St. Georges. And - Sierrablen Turflox 28-5-7 for fairways - once per year application of all major nutrients and iron. And - Agroblen Tablets for 2-year feeding of newly planted trees.

SISIS EQUIPMENT (MACCLESFIELD LTD)........................Stand No. A75
Hulley Road, Hurdsfield Industrial Estate, Macclesfield, Cheshire SK10 2LZ
Tel: 0625-503030 Fax: 0625-427426
Contact: Mrs I J Hilton
In February 1992 SISIS Equipment (Macclesfield Ltd) celebrate their Diamond Jubilee and their stand illustrates some milestones along the way. The BTME represents the first major exhibition in this historic year and SISIS Directors and Staff will be present to discuss all the latest additions to their ever growing range of aerators, scarifiers, top-dressers, sweepers, seeders, fertiliser spreaders, rakes, rollers, brushes, dragmats, etc. All the Company's products are still designed and developed in the United Kingdom although used in all continents of the world, including the USA, where the first SISIS Company outside Great Britain was established two years ago.

C & P SOILCARE LTD........................Stand No. A23/25
Unit 3 Bush Farm, Nedging, Ipswich, Suffolk IP7 7BL
Tel: 0449-741012 Fax: 0449-741012
Contact: Lynda Green
Information about the Terralift deep subsoil aeration and compaction relief system will be available. The new range of Soilcare aeration products for all health and vigour will also be on display. Armillatox, the completely organic and cost effective moss and algae control product with fungicidal properties is another unique product only available from C & P Soilcare.

SPORTS TURF RESEARCH INSTITUTE........................Stand No. C49
Bingley, West Yorkshire BD16 1AU
Tel: 0274-565131 Fax: 0274-561891
Contact: Robert Taylor
The STRI exhibit will consist of an educational display encompassing all aspects of turf management and design. Full details of all these services will be available on the stand and advisory staff will be available to answer queries relating to all aspects of turf management and construction. STRI publications will also be available for purchase, including a special interest for sand construction greens 'Culture' by D.M. Lawson.

STA-BRITE SUPPLIES LTD........................Stand No. A13
Unit 7 Bessemer Park, Bessemer Road, Basingstoke, Hants RG21 3NB
Tel: 0256-811811 Fax: 0256-810708
Contact: Chris Sharp
Sta-Brite are major suppliers of top quality turfcare products to golf greenkeepers in the southern half of Britain. They will be pleased to discuss your needs for fertilisers, wetting agents, soil conditioners, grass seed, chemical products, top dressings, line marking systems, sprayers, spreaders and CDA applicators, golf course equipment, irrigation, parks furniture, tools and other equipment. Sta-Brite's own STA-GREEN fertilisers, HI-FLERS grass seed, and top dressings will be on show, as well as Schweitzer slow release fertilisers and the Rhone-Poulenc CDA system.

SUPATURF PRODUCTS LTD ..................Stand No. A11
Amenity House, Maifeild, Hindckley, Leics LE10 1YE
Tel: 0455-234677 Fax: 0455-234714
Contact: D Marcus Palmer

Looking for quality golf course equipment? Look for TACIT on stand B3. We shall be showing our established range, plus several new items such as the Trinity Holecutter, new anti-wear long life flagpole bung and vandal-proof yardage marker.

TILLERS..................................................Stand No. C79
Castletorpe, Brigg, South Humberside
Tel: 0652-650555 Fax: 0652-650604
Contact: Tim Fell
If you are looking for turf for greens and tees, Tillers Turf Company gives you the best in quality and service. We offer top rated STRI cultivars, grown on sandy soils, and delivered to your club with mechanical off-loading, with a choice of big or small rolls. Associate company, Tillers Fibreturf, will demonstrate the construction of a tee using the unique reinforced Fibreturf rootzone. Fibreturf is the answer to compacted, muddy, uneven tees. Any golf club with tees showing problems due to heavy wear will benefit from the use of Fibreturf.

TORO
TORO IRRIGATION LTD (UK)..................Stand No. A53
Unit 7 Millstream Trading Estate, Ringwood, Hants BH24 3SD
Tel: 0425-476261 Fax: 0425-472390
Contact: Peter Roberts
Main attraction for greenkeepers on the Toro Irrigation stand at Harrogate will be the new Network LTC golf course irrigation control system. Designed especially with Europe in mind, Network LTC software uses everyday irrigation terminology, can be programmed in metric or imperial and can speak six languages - including English! Not only does Network LTC provide step-by-step, on-screen operating messages, its point-and-shoot mouse reduces key board operation to a minimum. In addition to controllers, the full range of Toro gear driven pop up sprinklers - headed by the new 730 Golf Head will be displayed.

LELY (UK) LTD
Station Road, St, Neots, Huntingdon, Cambs PE19 1QH
Tel: 0480-76971 Fax: 0480-216167
Contact: David Boothby
Toro Commercial Products will be exhibiting 2 exciting new models for the 1992 season. The proven Reelmaster 216 is now powered by a 16 hp three cylinder water cooled diesel engine to
provide ample power for all mowing conditions. Key improvements include faster transport speed and better engine access for serviceability along with increased fuel capacity and operating economy. An additional to the greenmaster range is the new lightweight GR3100 which features a patented hydraulic oil leak detection system. Other features are power steering and adjustable steering arm which combined with Toro's excellent quality of cut make the greenmaster range the leader in greens mowing.

TURFCARE
Stand No. B7
98 Durham Road, Leadgate, Consett, Co. Durham DH8 7RB
Tel: 0209-5058377. Contact: Terry Charlton
Exhibiting for the first time Turfcare will be showing some products including the TOURNAMENT range of top dressings. These superb dressings feature the highly rated new Plant Wood sands and they will complement the TURFCARE TOURNAMENT range of fertilizers and grass seeds. The stand will also display the range of BOYD golf course accessories. The ergonomic ELITE hole cutter in conjunction with BOYD hole cups and the unique puller setter trimmer make the chore of changing the holes a pleasure. Ask for a demonstration on your own course. The staff of TURFCARE will be pleased to discuss vertidraining Coremaster hollowlining with customers old and new.

TURFMACHINERY LTD
Stand No. A51
Butts Farm, Great Haywood, Staffs ST18 0TF
Tel: 0889-881611 Fax: 0889-882819. Contact: Clive Carter
Turfmach will be showing for the first time in the U.K. the new 1m Rotadat Soil finisher and stone barrier. This new addition to the range by the Durasoil products machine range gives the 18 hp compact tractor operator the ultimate seedbed preparation tool. By burning stones, clods and surface debris, and placing the fine soil particles on the surface, the new RD130 leaves an unbelievably fine level seedbed in one pass. Turfmach staff will also be available to discuss other machines from their range of debris vacuums and blowers, high capacity fine finish tri-deck rotary mowers, and their unique fairway scarification service.

UNIVERSAL MATERIALS
Stand No. C21/23
5/7 High Street, Dorchester-on-Thames, Oxon OX9 8HH
Tel: 0865-341580 Fax: 0865-341575. Contact: Geoff Russell
We are showing the original and only authentic AstroTurf golf mat which is ideal for use on both golf courses and ranges. The easy Picker Range Ball Harvesters and Washers have unquestionably proved their reliability and performance and remain outstanding value. Midgley Nichols Ball Dispensers, manufactured in Britain by Heritage Fairway, are designed in modular form which allows customers to add on as demand grows for extra capacity. Fully programmable electronic coin mechanisms allow for flexible pricing with any denomination of coin or token. The Club Car Carryall vehicle is a general purpose, petrol driven utility vehicle available with a number of optional extras and is an ideal power source for the Easy Picker Range Ball Harvester.

VITAX
Stand No. A55
Owen Street, Coalville, Leicester LE6 2DE
Tel: 0530-51-60 Fax: 0530-510299. Contact: Trevor Holmes
VITAX Gro-Cover has proved to be the ideal product for today's turf manager, whether it is used to cover newly seeded or oversown areas of sport and amenity grass, where it has been proved to increase the speed and percentage of germination by 4 to 7 days, or regenerate growth on golf course walkways or other areas of stressed existing grass. Two new sizes of Gro-Cover are now available. Featured alongside Gro-Cover will be Vitax Weedblock, a highly porous landscape mulch fabric, plus the full range of Vitax Sport Amenity Chemicals and Key Range fertilisers.

WATERMATION
Stand No. B59A
Tongham Road, Aldershot, Hants GU12 4AA
Tel: 0252-336838 Fax: 0252-336808 Contact: Eileen Hawthorn
Watermation – Remote Control Watering. Don't miss the opportunity to see the new Watermation Remote Control. This clever piece of equipment is a handset the size of an average portable telephone, capable of turning the TW2 controller on and off at any given location on the course. This gives greenkeepers the opportunity to observe and run the irrigation at any station and at any distance, without interfering with the pre-set programme – something wanted by greenkeepers for a long time. Two other new innovations for Watermation are the Aquaman waterproof moisture meter. This gives an accurate reading of the irrigation penetration, and the Aqua-Master range of beautiful aerators and pumps to keep your lake both lovely and free of algae build up.

WIEDENMANN (UK) LTD
Stand No.A37
c/o Inturf Group, 11B Regent Street, Pocklington, York YO4 2KN
Tel: 0759-304101 Fax: 0759-305229
Lindum - the perfect turf for golf greens, tees, fairways and landscaping.

A range of the finest quality seeded turf; seed prescriptions and fertilisers matched to customers special needs; with a full preparation and after-care advisory service.

For golf courses, Lindum are the leaders, of course!

Church House, Horkstow, Barton on Humber, South Humberside, DN18 6BG. Telephone (065 261) 564 or 329. Fax (065 261) 447
Enjoy the show!

The annual BIGGA Turf Management Exhibition is recognised as the premier exhibition for the fine turf industries and forms part of BIGGA's defined role to assist and encourage its members. Together with the Educational Seminar Programme, the January event forms part of an unbeatable package for greenkeepers and everyone associated with the industry. Other major events include the National Education Conference, the National Tournament and a key role in the prestigious Open Championship. You can join the Association as a Greenkeeper member or as a Company or Associate member. See the postcard in this magazine for more details, or chat to BIGGA staff on Stand C27 at the BTME. Join BIGGA – and grow with us into 1992 and beyond.

We lay the Big Rolls

For the best finish and fastest establishment

A variety of turf grades available, laid more efficiently and economically in big 25 sq. yd. rolls.

Please send me without obligation □ Please tick
More information/demonstration □
A quotation/site visit ...

Name
Address

See us on Stands A63, A65 at BTME '92
All 'Longlife' products are organic based mini-granular fertilizers. As a result the granules do not stay on the surface for weeks, but breakdown within a few days, so reducing the risk of scorch and mower pick up. They are all true compounds and not blended fertilizers, each granule containing the desired spread of nutrients so that speckling, which can occur with blends, is prevented. All the Fine Turf and Sports Turf fertilizers contain seaweed extract to provide a source of trace elements. Six of the products also contain the unique ingredient DIDIN. This reduces the growth flush and gives a controlled release of nitrogen, thus extending the grass feeding period from one application. DIDIN has the added benefit of reducing nitrate leaching.

The use of 'Longlife' fertilizers should be considered an integral part of any turf management programme, giving effective results at a very reasonable cost.

**FINE TURF RANGE**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Spring &amp; Summer</th>
<th>Autumn Feed</th>
<th>Finegreen NK</th>
<th>Nitrogen with Iron</th>
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<td>NPK Analysis</td>
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<td>5:5:15</td>
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<tr>
<td>Other Ingredients</td>
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<td>2% Mg,</td>
<td>2% Mg,</td>
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<td></td>
<td>Seaweed extract</td>
<td>1½% Fe,</td>
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<td>Contains DIDIN</td>
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<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Mini-granule</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td></td>
<td>1-1½ oz per sq yd</td>
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<tr>
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<tr>
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**SPORTS FIELD RANGE**

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<th>Autumn Feed</th>
<th>Nitrogen</th>
<th>Plus</th>
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<tr>
<td>Other Ingredients</td>
<td>1% Mg,</td>
<td>Seaweed extract</td>
<td>1½% Mg,</td>
<td>2% Mg, 2,4-D,</td>
</tr>
<tr>
<td></td>
<td>Seaweed extract</td>
<td>Seaweed extract</td>
<td></td>
<td>dicamba,</td>
</tr>
<tr>
<td>Contains DIDIN</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Mini-granule</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Application Rate</td>
<td>35-50 g per sq m</td>
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</tr>
<tr>
<td></td>
<td>1-1½ oz per sq yd</td>
<td>1 oz per sq yd</td>
<td>1-1½ oz per sq yd</td>
<td>1 oz per sq yd</td>
</tr>
<tr>
<td>Area Treated</td>
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<td>880 sq yd</td>
<td>585-880 sq yd</td>
<td>880 sq yd</td>
</tr>
<tr>
<td>Bag Size</td>
<td>25 kg</td>
<td>25 kg</td>
<td>25 kg</td>
<td>25 kg</td>
</tr>
</tbody>
</table>
Simply drop the packets into the solution. Packets dissolve quickly and completely!

Turf Mark® is the professional's way to apply liquid pesticides and fertilizers. Turf Mark shows you exactly where you've sprayed. The distinctive blue color helps to eliminate skips and overlaps, saving you time and money.

Now Turf Mark is available in convenient, water soluble packets. Turf Mark WSP is a dry flowable formulation of liquid Turf Mark. It is the most convenient and easy-to-use blue spray pattern indicator available. Turf Mark WSP dissolves quickly and completely in the spray tank, leaving no residue to clog screens or nozzles. With Turf Mark WSP, you virtually eliminate applicator contact, container disposal, mixing and handling problems. It is completely compatible with liquid pesticides and fertilizers. And, it cleans up easily from equipment.

For more information contact your distributor or call Becker-Underwood today, toll-free.

Lake Colorant WSP™
The quick, easy and economical way to color lakes and ponds.

Mulch Magic®
Economically restores the fresh look and color to faded mulch.

Green Lawnger
Restores a healthy, natural look to dormant or discolored turf.
Section secretaries and correspondents should note that the closing date for ‘Around The Green’ copy is the first day of the month preceding publication — eg, copy for March issue must be received by February 1st. This means that section reporters must think ahead by at least one clear month and send relevant new copy before the appearance of the current issue. All out-of-date announcements will be spiked. Co-operation in meeting these deadlines will be appreciated.

EAST MIDLANDS

The AGM meeting for the Maxwell Hart Shield was held on November 25th at Lingdale GC, Woodhouse Eaves. An enjoyable and well attended day resulted in honours going to Ian Marshall, with Adrian Porter and Maurice Emery second and third respectively. The trade section chairman will vouch, for not only has he been a member of the section for the coming year: CHAIRMAN:ؿ Marshall, VICE-CHAIRMAN: Dave Perkins, SECRETARY: Tony Holt, COMMITTEE: Graham Arnold, Mark Bindley, Walter Cole, Steve Goode and Paddy McCarron. REGIONAL REPRESENTATIVES: Richard Barker and Tony Howarth, BOARD OF MANAGEMENT REPRESENTATIVE: Paddy McCarron.

The 1991 season saw considerable success for the section's golfers at both regional and national level. Congratulations to all those who contributed, especially Richard Barker, Steve Goode and Maurice Emery. Let's hope the coming season offers quality opportunities for us to look forward to.

Finally, it is with pleasure that I pass on the section's thanks to Gordon Mitchell, our retiring secretary, for the hard work he has done for us. Best wishes Gordon, and good luck in your new position at Ledz.

TONY HOWARTH

WESUST SCOTLAND

The turn-out for the 1991 West Section AGM, at Rowallan was well supported and ran fairly smoothly until someone decided to reduce the size of Norfolk! He was over-ruled because Norfolk has always been ‘that big’ and as he was a fellow ‘foreigner’, he didn’t have a vote anyway! Most of the officers who were elected en-bloc, the exceptions being our faithful president of many years, John Moyce, who has been replaced by Ernie Hart. We wish John well and thank him for all the hard work he did for us, especially in the early years. I am sure Ernie will carry on in the same vein. Our new vice president is big Bobby Chesham, who is also vice chairman (how many more vices has he got?) and our chairman is again the evergreen Sam Sylvester, who is also the treasurer. We’ve got more double acts than the Crazy gang and come to think of it, we are the Crazy Gang. Our secretary is Mike Peters and the handicap secretary is Steve Freestone, a man it is wise to keep in with!

The scribe, yours truly, tried to lose his job by being late, but it didn’t work.

DIARY DATES FOR 1992: April 22nd, Bury St Edmonds GC, Iseki Qualifier. June 3rd, Iseki Regional at Chelmsford. August 9-12th, ICI/BIGGA National at Littlestone (accommodation list from Sam.) August 14th, Colchester GC, October 7th, Eaton GC. Watch out for an editorial invasion on October 7th, for David White is threatening to bring his unpredictable left-handed swing to these parts! Happy New Year! MICK LATHROPE

MID ANGLIA

Though David White reported in December on the Autumn Meeting at Woburn, he was unaware that a competition within the competition was taking place, this being the final of the four-ball sponsored by Lodgeway Tractors. The event, now part of the rich history and lore of Mid Anglian golf, revealed Geoff Smith and Gerald Bruce as the eventual winners at the fifth extra hole, finally winning a fine battle waged against Ronan McKeon and Ken Bunting.

Our AGM took place recently, which was preceeded by a lecture on Top Dressing given by Peter Jeford of Rufford Top Dress Supplies Ltd. At the meeting, Geoff Smith, Ken Bunting and Les Wackeral all retired from office and we must thank them for all the work they have done for the section. John Wells was elected as chairman, Paul Lockett as vice-chairman, Chris Brook as match secretary, Gerald Bruce as secretary and Richard Saunders joins the committee. We offer a warm welcome to them all.

The committee have decided that to aid in the smooth running of our golf competitions we will issue entry forms for each event. I know that the match secretary will be overjoyed when he receives entries from the clubs two weeks before the competition, as opposed to a frantic ‘phone call 24 hours prior to tee off! If you haven’t already had these forms, they will soon be dropping through your letter box.

To golf again now, with hot-off-the-press results of the Christmas Turkey Trot held at South Beds GC: WINNING TEAM: J Champion, J Norman, C Midgley and P Robertson (winners of Sta-Brite Turkey Vouchers). SECOND: P Robinson, E O’Hanlon, J Marvel and F Marvel. THIRD: J Wells, C Brook, C Smell and G Aspery. Nearest the Pin was won by Stuart Boyes, who rode away with a mountain bike presented by Kingston House Mowers!

Finally, may I remind all section members that subscriptions are due and you know how much the staff at Aldwark HQ like receiving your cheques... so if you haven’t yet done so, pop your cheque in the post, you know it’s worth it. A happy New Year to you all.

GERALD BRUCE

GTC APPROVED COLLEGES

LANGSIDE COLLEGE

SPORTSTURF - F.T. 3 yr DR & evenings

A programme of introductory and specialised SCOTVEC modules tailored to meet the needs of Greenkeepers, Groundsman (and women) engaged in the establishment, care and maintenance of Sportsturf and artificial playing surfaces. The course includes tractor operation, golf course construction, turf management and technology. The modular programmes are approved by BIGGA and I.O.G.

A SHORT 4 WEEK EVENING CLASS FOR CHAIRMEN AND CONVENORS OF GREENS COMMITTEES

FULL TIME SPORTSTURF 5 N.C. FROM AUGUST '91

Contact: Mr. Colin Urquhart, Langside College, 50 Prospecthill Road, Glasgow G42 9LB. Tel: 0141 649 4991

GREENKEEPER INTERNATIONAL January 1992 41
Scientific assessment of climate change notes that the world is indeed getting warmer. Taking to one side the reasons why, IAN BARRIE and DAVID HEMSTOCK consider the implications for the greenkeeper and the necessary changes for golf course irrigation.

Few of the world's climatologists would now disagree that our Earth is warmer than it was 150 years ago - and that the trend is still upwards (see figure 1). The 1980s set several world records for the warmest years over the past couple of centuries.

However, the cause of this global warming is still the subject of intense debate amongst scientists. Some consider that it is little more than a continuing recovery from the Little Ice Age, which affected Europe in the 16th and 17th Centuries, whilst others argue that it is principally the cause of mankind upsetting the natural chemical balance of the atmosphere by releasing vast quantities of carbon monoxide and other greenhouse gasses, such as CFCs and methane.

Rainfall records display a greater level of variability than those of temperature and accordingly it is harder to identify any trends, either by region or globally. At this stage it would be not be fair to say that just because the UK and large areas of mainland Europe have had three consecutive dry summers that this is due to global warming.

Whatever the outcome of the scientific debate, those among us who have to plan for the longer term must consider the implications for a warmer world in the future. One of the best ways to do this is to look back and assess the irrigation need for past years before going on to speculate on the consequences for the future.
A necessary planning value for the sizing of pumps, pipes and reservoirs is the maximum short period - or peak - irrigation demand. In the chosen example shown this occurred in July 1990, when tees, greens and fairways would have needed 15,200 cubic metres. Figure 3 illustrates the difference between this peak and the average monthly demand. Roughly speaking, peak rates are double the average.

**A plan for the future?**

Please accept that neither crystal balls nor seaweed will produce the information needed to form a sensible plan for the future! Scientifically, it is also clear that if temperatures continue to rise then evaporation rates will also increase. If this is accompanied by a reduction in summer rainfall then the need for irrigation will rise markedly. At our disposal is a range of options which will help redress the balance.

Specific sowing of drought tolerant species is a sound first step. This would allow an increase in the moisture deficit at which irrigation is applied. If irrigation was applied at a deficit of 15mm, rather than the 10mm taken previously, in an average year a water saving of 15% would result. If a deficit of 20% could be allowed then the saving increases to 26%. Logically, in a wet year the savings would be larger.

More obviously, superior design and operation of an irrigation system reduces the amount of wastage due to overlap areas, uneven application and wind drift. The more novel forms of irrigation which have been the subject of much discussion would also have a role to play.

**The wider picture**

Realistically all the above has to be set in a global picture. It cannot be overstressed that we must consider ourselves an integral part of the world as a whole. If the gloomier forecasts are proved right - that the world warms by 2 degrees centigrade and sea levels rise by 50cms or more - then London and half the coastal cities in the world will be under sea water; drinking water will be in short supply and famine will be on an unprecedented scale.

This argues strongly for the type of actions which will hopefully be agreed at the Earth Summit Meeting in Brazil this year. They will call for large scale forest planting, reductions in greenhouse gas emissions and more efficient use of energy. Only the very brave - or the very foolish - would totally ignore the signals which have been evident over the past few years.

The managers of golf courses will have their part to play along with everyone else and a more efficient water use management policy will be as important as any.
COMING UP


January 22nd-24th: BIGGA Turf Management Exhibition - Harrogate, North Yorkshire.

February 4th: STRI Irish Seminar - As January 14th - Milltown GC, Dublin.

February 10th-17th: GCSAA Exhibition and Convention - New Orleans USA.

February 11th: STRI Welsh Seminar - As January 14th - Caer Beris Manor, Builth Wells.

February 14th - Caer Beris Manor, Builth Wells.


March 27th-29th: BIGGA National Education Conference - Royal Agricultural College, Cirencester.

April 8th: BIGGA Annual General Meeting, The Royal York Hotel, York.

April 11th - Milton Green GC, Bristol.


April 29th: BIGGA South West and Wales Region Trade Show WESTURF '92 - Long Ashton GC, Bristol.

June 3rd-4th: Landscape Industries '92, Trade Show - National Agricultural Centre, Stoneleigh, Warwickshire.

SOUTH WEST

The morning dawned fair and frosty for our Autumn Tournament at Tracy Park, with play accordingly starting on temporary greens. But...let's hear it for Steve, for after the first few holes members of his staff appeared - as if by magic - and most of the pins were replaced. Maxwell Hart have adopted this tournament from 1991 and thanks to their generosity the prize table was bursting at the seams.

My playing partner, James Taylor from Tall Pines, was finding the mix of greens to his liking, firing six birdies in a round of 67 gross (or 41 points). Not quite good enough, however, for a protege of mine - Philip Newton from Lilley Brook - came in with the best score of 43 points off a highly dubious 28 handicap. Philip is an extremely likeable young man who has been in greenkeeping and playing golf for just under two years.

THE FULL RESULTS: Philip Newton (Lilley Brook GC) 43 points and winner of the Maxwell Hart Trophy. Division 1: 1st, J Taylor (Tall Pines GC) 41 points. 2nd, C Padige (Tracy Park GC) 39, 3rd, M Gray (Clevedon GC) 37. Division 2: 1st, J Leigh (Henbury GC) 35 points. 2nd, S Earl (Chipping Sodbury GC) 34. 3rd, R Wellman (Lyme Regis GC) 34.

Many thanks to Maxwell Hart and Sta-Brite Supplies for the prizes, to Tracy Park for their hospitality and to Steve Francom and his staff for preparing such an excellent course upon which to play.

The latter part of the day was given over to Colin Pyce and his Terrailr for a very informative and interesting couple of hours, giving us a full insight into how this versatile machine can help with the maintenance of greens and tees etc., and also how it can be adapted to maintain and improve the health of trees.

Colin's talk was followed by our AGM, with Bob Gates formally retiring from the Chair after some 22 years! Bob, who built up the section from nothing to present lofty heights, was presented with an inscribed crystal vase by Ivor Scoones, who also paid tribute to Bob's efforts to further the cause of greenkeepers and greenkeeping.

Elected Officers: CHAIRMAN - J York, VICE CHAIRMAN: P Cox, SECRETARY: P Worster, MATCH CAPTAIN: K Millar, REGIONAL BOARD: I Scoones & R Williams. Also elected to served on the committee was S Earl, who was David Everitt elected to the college committee at Cannington.


A full list giving details etc., sponsored by T H Waites, will be circulated soon.

At the meeting it was decided that all players participating in team events will be required to stay at the car park after the day. It was also stressed that the most important event in the calendar is WESTURF '92 and that all members should make an effort to attend.

Finally I would like to wish all members a happy New Year and good greenkeeping for 1992.

PAUL WORSTER

NORTH WALES

First may I wish all our members a happy and prosperous New Year, with the hope that you have all recovered from the festivities by now! My wife and I extend thanks to the staff at HQ for the support (and the flowers) which followed our recent car accident. Thankfully, everyone is now well on the mend.

The November lectures had a reasonable attendance and our thanks to those who responded to the call; with a question for the rest: where were you?

Speakers were Stuart Piersson on COSHH, Tony Gush on Fuels and Gordon Wright on Ecology on the Golf Course. To them we extend our thanks for their time and effort in supporting our section. We are working on one more lecture this winter, covering the subject of Practical Welding, and I'll keep you all posted on this one, which should prove most interesting.

The Christmas Golf Day at Abergele & Pensarn GC was a tremendous success with over 70 players turning out. RESULTS: 1st David Law 35 points (winner of the Bruera Shield). 2nd Terry Adamson 34 points, Guest - Paul Pearce. Special thanks to sponsors Bruera, Turf Mech, Richard Campey, Walkers, Gem, Cheshire Light Tractors, Fletcher Stewart, Martin Brothers, Hunters of Chester and Montermsteeg and most grateful thanks especially to Abergele & Pensarn GC, who at the eleventh hour took such a greenkeeper investiture.

Finally, I know all our members will join with me in wishing Cliff Lunt, formerly of Vicars Cross GC, all the best on his retirement, albeit a little early.

MARK PROCTOR

EAST OF ENGLAND

What a glorious day we picked for our Lambs Trophy in October, with the course at Burghley Park like a green carpet and manicured to perfection - as usual - by David and his team. A gathering of twenty four players returned some excellent scores, and I suppose that when you prepare the course to your liking, you are allowed to win. And that was how it happened, with David Salisbury returning 41 points to retain the trophy once again. Tied in second place with 37 were C MacDonald, G Dolan and I Cob. Prizes were donated by our generous sponsors, Robin Lamb and Colin Sangster, and we were delighted that they both joined us for an excellent meal in the clubhouse. Our thanks also to our other friends in the trade, who also joined us and gen-
Hi all, there you all stuffed on turkey and Christmas pudding, and no doubt still fighting the effects of one or two ‘sherpers’ too many! Well, wakey, wakey, for it’s 1992; and if the year is half as successful as ’91 we are in for a great year in the BBBO.

Less of this frivolity, now let’s get down to business. First up let’s have the BBBO Greenkeepers Championship, won by Gem- tenauer’s Dinner on March 6th yet? If the answer is NO, why not? Remember that the incredibly measy price of £20 also includes 18 holes at Frilford Heath (surely an offer not to be missed?) plus a trip to see me now (0628 829206) for the few remaining places.

It gives me great pleasure to report another success, this time at The Berkshire for our recent Golf Day, with the results being: First and winner of the event Ray Clark and his staff with a score of 69. Second- John Teixiera, nett 71. Third- Peter Helps, nett 73. The Berkshire Bottle Winner: Mark Hancock. (5 Par’s out of 6). Our thanks to the secretary and staff at The Berkshire for a fine course and for an equally fine meal. Also to Bob Marton for his tremendous support and encouragement and to the trade, who as usual were most generous. We acknowledge Sisss, Eutorut, Maxwell Hart, Pattisons, Rigby Taylor, Sta-Brite, Viva! and also not forgetting The Berkshire – for the whisky!

THE RIGBY TAYLOR FOUR-BALL FINALS, (a report by Bob Woodward)

8am on November 8th saw eight greenkeepers travel to Frilford Heath to compete in the impressive Frilford Heath course, with the draw revealing Simon Edwards and Lee Edwards (Whiteleaf) V Dave Heads and Andrew Thompson (Frilford Heath), and Alan Collis and Paul Reeve (Sonning) V John Teixiera and Darren Buckley (Hillingdon), the matches being played over the green course.

The Whiteleaf v Frilford Heath match proved a close affair, with never more than a two holes in it. The match was halved in uncharacteristic fours, and the 18th all square. Deadlock was broken with Thompson chipping in from greenside for a 3, leaving Lee Edwards a 20 footer to halve the match, but it was not to be and Dave and Andy went through.

The second semi-final was altogether a different story, when an amazing game of golf unfolded. Teixiera and Buckley were three up after ten – with monster putts being holed from everywhere. But, the Sonning pair were undaunted and by combining well came from behind to be one up with two to play. The 17th was halved in uncharacteristic fours, and the stage seemed set for a Sonning victory. But we all know nothing is certain in golf, for the 18th all square. Deadlock was lost by Collis and Reeve and a play-off ensued. This resulted in halved holes at 17 and 18 and a return again to 17 for sudden death. This also was halved in dramatic fashion and repeated again at 18 for a deadlock situation. Turning to the 1st on the red course for a fifth extra hole, the titanic battle finally finished with a par from Teixiera and Buckley beating a five from Collis and Reeve, the finalists were at last decided.

In the playoff for third and fourth places, play continued into near darkness and was eventually declared halved, as ‘light stopped play’ so to speak. Finalists Teixiera and Buckley got off to a flying start in their battle against Heads and Thompson by winning the first four holes and being five up after six, the game then dinger-dong with the Frilford Heath pair making a fine rally and pulling back somewhat. However, the upper hand never deserted the Hillingdon couple and the result eventually finished in their favour at five and four.

A meal of culinary delight followed, with Roger Bowles of Rigby Taylor presenting the hard earned trophy to the victorious couple and splendid priz- does to the worthy runners-up. Credit must first go to Rigby Taylor for generous sponsorship, and to Frilford Heath for their kindness in letting us hold our final on their fine course, the superb condition of which is a huge credit to Dave Heads and his staff.

Entries for the BBBO members will enjoy reading the unabridged shot by shot version of Bob Woodward’s match report in their own section publication. Space limitations here, however, result in the story being severely condensed.)

For you all agree that golf over the past season has been the best organised for many a long year, a fact reflected in huge turn-outs. For this our thanks to the committee and to Bob Woodward in particular. As a rider to all this may I warn members that it is now essential to return entry forms promptly, as we are having to turn players away. Entries work on a very strict first-come-first-served basis. YOU HAVE BEEN WARNED!

My thanks to Bob Woodward for the above report on the Rigby Taylor Four-Ball Trophy Final.

RAY CLARK

SURREY

Guildford GC hosted their final golf event of the season, the Turkey Trot. After a count-back the results were: 1st: M Todd 38 points, 2nd: M Kirkham 36, 3rd R Tydenman 36. Veterans Cup: A Armitage 32, Trade prize: H Wilson 37. Due to late entry some players completed their rounds in near darkness, the smell of cooking finally guiding them to the clubhouse where an excellent meal was served. Our thanks to Guildford GC for their hospitality and courtesy of the course and to Robert Denning and his staff for their course presentation.

Our AGM followed, at which Phil Baldock stepped down from the chair due to his impanel- ed responsibilities. We all deplored this but wished him every success in his new challenge. Terry Huntly was duly promoted to chairman. Another section stalwart, David Johnson, also retired from committee at this time and received an enthralling talk and interesting video show. On behalf of all the membership we wish to thank him for his service to the section.

Following the chairmans report, the following section stalwarts were duly passed by the membership.

DEAN CLEAVER

ROGER TIDEMAN

DEVON & CORNWALL

Bude and North Cornwall GC was the venue for our AGM meeting on November 20th. During the morning our golfing members waged battle for the TORO trophy, with non- golfers enjoying the treat of a guided tour of the course with yours truly. After a superb lunch, the golf prizes (generously donated by Alan Donnnett and Joe Turner) were presented by Alan Donnnett of Devon Gar-

DEAN CLEAVER

Sheffield

Our first winter lecture of the season was given recently by Mark Radford of Ransomes, a most entertaining talk and interesting video show. On November 27th our Christmas Golfing Compe- tition was held at Wortley GC, where an excellent turn-out of 40 players battled away over a thirteen hole Stableford, with the principal winner being: 1st D Chappell (27), 2nd P Unwin (26 on count-back). 3rd M Scothern (26 off a +1 handicap) and 4th S Hird (24). Even our new assistant competition secretary, P Heaney, won a prize, hail hail! The putting competition was again won by I Liley, with the section able to add £14 towards its funds.

We would especially like to thank Wortley GC for courtesy of the course, along with Barry Heaney and his staff for presenting excellent

DEAN CLEAVER
The past year saw some fine golf played by various individuals from around the London section, and although at the ISEKI finals at Hillside our three qualifiers did not come away with silverware, they kept the London interest alive and flew the flag with great pride. Well done to Martin Smith from Porters Park, and Darren Burdis and Robert Washbrook, both from Hadley Wood.

Simon Woolley of Brickendon Grange was a winner in the National Tournament at Royal St Davids, taking the Maxwell Hart Cup with a gross 77 (off 8), whilst the London Section Summer League final was won by Robert Phillips and Martin Smith, securing a 2 and 1 victory over local rivals, Darren Burdis and yours truly. This was a match played in great spirit and our thanks to Ronan at Ackley GC for allowing us to play on a ‘neutral’ course. Still more winners in the section include Ted Dickinson of Hatfield & London Golf Club, and Darren Burdis and Simon Morley at Letham Grange. Amidst tales of bribery and nobbling, chairman Dougul Duguid accepted defeat and presented Sam Morrison with the trophy, Letham Grange. Amongst other successful players, they kept the London interest alive and won the tournament.

A happy New Year everybody, and a special welcome to the new members in the North West. Your committee are still finalising the seminar scheduled for Feb 26th at Aldenham: we’ll keep you posted. To all members, a happy 1992.

ANDREW PHILLIPS

SOUTH COAST

It was very pleasing to see such a good turn-out for the first section Winter Lecture in November. Over 40 members and guests enjoyed an excellent talk from the professional Malcolm Webb, ably assisted by head greenkeeper Mark Webb, both of Alresford GC, on the subject of enlarging an existing course.

Topics covered included acquiring extra land, planning permission, preparing detailed plans with a relief map and drawing up detailed specifications for tender documents. The main message to members was the need for teamwork from all those involved with the project. This meant club members, various committees, green staff and club professional all working together, an excellent exercise in communications.

Our fourth Winter Lecture, commencing at 7pm at Alresford GC on Wednesday February 5th, sees our editor, David White, visiting our section for the first time. David will talk about Greenkeeper International – providing ample opportunity for an open question time – and will also discuss (with a small clutch of slides) his annual pilgrimage to Augusta in the spring, where The Masters Tournament is held.

BOB DENNIS

NORTH WEST

A happy New Year everybody, and a special welcome to all new members in the North West.
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Approved formulations for use in Construction and on the finest greens, tees and fairways.
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All requirements catered for including tine free, Kiln dried sands available.
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Including the finest Black Fenland Soil. Screened to customers’ individual specifications.
We also produce and supply root zone mix and always have vast stocks of cockle shells for immediate delivery
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Britain’s No. 1 for QUALITY SERVICE SHEER VALUE FOR MONEY
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for the largest turf production
WEST MIDLAND TURF GROWERS
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Verti-Drain, Charterhouse Overseeder, Coremaster and Greensoil Hollow Corer, Toro HydroJect – For Hire
New and used compact tractors and machinery supplied, including Lesco, Iseki and Saxon.
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No. 1 in the NORTH
Ten years experience using only the best. 2 x 1.5m and 1 x 2.5m verti-drains; Coremaster complete with collector, railway overwater.
Contact Michael Seward on (0904) 765949 night or day

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Contact Peter Holmes, 10 Conon Road, Gainsborough, Lincs DN21 2RE
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Second hand Roya Power Screen
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RFE Turf Machinery Ltd

For the largest selection of refurbished professional turf machinery.
Tel: (073081) 5775 or Fax: (073081) 5844

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* Glenmuir Sweaters in various sizes and colours
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* BIGGA Lapel badges
* ProQuip Raincoats complete with BIGGA logo
* A Pink Elephant
* Glenmuir Moffat Shirts
* James B Beard’s Manual on Golf Courses
* BIGGA ties
* TRIMS – the computer software program
...and there’s more you can! Just ring BIGGA HQ on 03473 581 to find out more

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HART OF THE GREEN
HUMOUR FOR REAL GOLFERS

The book will be available at the SPECIAL PRICE of £4.95 for the duration of the show.
Usual price £5.95.

Meet JOHN HART at Harrogate on January 22 on the BIGGA Stand at the BTME, where he will be happy to sign copies of his book.

HART OF THE GREEN - HUMOUR FOR REAL GOLFERS

The book will be available at the SPECIAL PRICE of £4.95 for the duration of the show.
Usual price £5.95.

Meets JOH HART at Harrogate on January 22 on the BIGGA Stand at the BTME, where he will be happy to sign copies of his book.

HART OF THE GREEN - HUMOUR FOR REAL GOLFERS

The book will be available at the SPECIAL PRICE of £4.95 for the duration of the show.
Usual price £5.95.

RECRUITMENT

GOLF COURSE SUPERINTENDENT/ MANAGER

required in the

SOUTH OF SPAIN

A terrific opportunity exists to work for this British-owned company in the South of Spain.

Knowledge and experience in Hybrid Bermudagrass turf management is essential.

Naturally, the successful candidate will enjoy excellent pay and prospects.

Accommodation is available.

Applications in writing, with full CV to:
Box No. GI.J.1, Greenkeeper International, Aldwark Manor, Aldwark, Alne, York Y06 2NF

BANCHORY GOLF CLUB require a

HEAD GREENKEEPER

for 18 hole course in beautiful Royal Deeside, 18 miles inland from Aberdeen.

Employment package negotiable including accommodation if appropriate.

Applicants must be fully qualified and experienced in the use of modern machinery and the applications of recently developed techniques and treatments.

The ability to lead and supervise other staff is essential.

Applications in writing with details of age, experience, qualifications and references, if available, by 31st January to:

The Secretary, Banchory Golf Club, Kinneskie Road, Banchory, Kincardineshire AB31 3TA

COURSE DEVELOPMENT MANAGER

RINGWAY GOLF CLUB

Ringway Golf Club, a prestigious parkland course situated southwest of Manchester, is seeking a suitably qualified and experienced person of proven ability for the newly created post of Course Development Manager.

The prime function of the position will be the development of the course and other golfing facilities. He/she will report directly to the Chairman of a small Course Committee of which he will be a member.

A practical motivator and technically competent, he will be responsible for all aspects of work on the course, operating within agreed capital and revenue budgets and longer term plans. He will be expected to play a major and imaginative part in the formulation of these budgets and plans.

The position is a challenging one to meet the needs of the Club for the longer term as well as the immediate future. The remuneration package and terms and conditions including relocation expenses will reflect the importance of the appointment and are negotiable for the right person.

Applications in writing, with full CV should be made to:
The Course Chairman, Ringway Golf Club, "Hale Mount", Hale Barns, Altrincham, Cheshire WA15 8SW

WELWYN GARDEN CITY GOLF CLUB requires a

HEAD GREENKEEPER

Must be qualified to City & Guilds Phase III and able to commence March 1992. Attractive package in excess of BIGGA recommendations.

Detailed CV to:
The Secretary/Manager Welwyn Garden City Golf Club Ltd. Mannicotts, Welwyn Garden City Herts AL8 7BP
Nitto Albion Co. Ltd. is recruiting staff for:

THE OXFORDSHIRE GOLF CLUB

We require

DEPUTY GOLF COURSE MANAGER
GOLF COURSE FOREMAN
IRRIGATION ENGINEER
EQUIPMENT MECHANIC
SKILLED GREENKEEPERS

Situated near Thame, Oxfordshire, the 18 hole course, designed by Rees Jones, is currently under construction, and will be maintained to the highest standards.

Greens, tees and fairways will be seeded with Creeping Bentgrass, and a full Toro Network 8000 computer controlled irrigation system is being installed.

With a planned greenstaff of 15 to 20, and a full range of modern machinery, these posts offer a considerable challenge.

Please apply in writing, with a full CV to:
The Golf Course Manager, Nitto Albion Co. Ltd.
Rycote Lane, Milton Common, Thame, Oxon.

NORTH MIDDLESEX GOLF CLUB

invite applications for the position of

HEAD GREENKEEPER

which becomes vacant in March 1992, due to promotion.

NORTH MIDDLESEX is an 18 hole Parkland Course maintained to a high standard. Applicants must be fully experienced in all aspects of Greenkeeping and have a practical knowledge of modern machinery. The ability to lead and motivate staff is essential. Accommodation is available. Salary negotiable based on experience. Apply in writing to the General Manager enclosing CV by 15th February 1992.

North Middlesex Golf Club
The Manor House, Friern Barnet Lane,
Whetstone, London N20 0NL
Tel: 081 445 1604

GOLF COURSE MANAGER

ARE YOU –

• Highly qualified and motivated?
• Looking for a challenging and very rewarding position?
• Able to lead an existing team of 12?

If so, please reply with full CV (in confidence) to:
Box No. G.I.J.2, Greenkeeper International,
Aldwark Manor, Aldwark, Alne, York Y06 2NF

Braehead Golf Club

require a

HEAD GREENKEEPER

Applications in writing with full CV to:
The Secretary
Braehead Golf Club
Cambus
Alloa FK10 2NT

The Beau Desert Golf Club Ltd.

Applicants are invited for the above position who are fully qualified, with a thorough knowledge of greenkeeping, and have the ability to motivate and control Staff and take charge in all respects of Course management at this premier Midlands Club.

Salary negotiable in relation to the applicant’s experience, qualifications and ability.

Apply in writing with full CV to:
The Hon. Secretary
Beau Desert Golf Club
Hazel Slade
Cannock
Staffordshire WS12 5PJ
Carlisle Golf Club

require an

**ASSISTANT HEAD GREENKEEPER**

for this leading Cumbrian course. Applicants should be over 25 years and experienced in all aspects of golf course maintenance.

Please apply in writing with CV to:

The Secretary

Carlisle Golf Club, Aglionby, Carlisle CA4 8AG

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**RECRUITMENT**

**FAITHLEGG GOLF CLUB, WATERFORD, IRELAND**

require a

**HEAD GREENKEEPER**

Faithlegg is an 18 hole inland course just completed, in beautiful surroundings in the sunny south east.

Applications are invited from Head Greenkeepers and Assistant Greenkeepers for this position. Salary negotiable.

Applications should be received in writing, on or before Friday 14th February 1992 and include a full CV to:

D. Higgins (Director)

Faithlegg Development Ltd., Unit 9, Little Island Industrial Estate, County Cork, Ireland.

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We are looking for a

**FULLY QUALIFIED WORKING HEAD GREENKEEPER**

for The Isle of Wedmore Golf Club

This is a new position with full responsibility for the management of an 18 hole parkland course.

Applicants will have a free hand to put their stamp upon this course and will not be answerable to a committee. Salary negotiable in accordance with experience.

All replies will be treated in the strictest confidence.

Reply in writing with CV to:

The Secretary, Isle of Wedmore Golf Club,
Lineage, Wedmore, Somerset BS28 4QT

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**PONTEFRACT AND DISTRICT GOLF CLUB**

invite applications for an

**ASSISTANT GREENKEEPER**

Young qualified assistant required to join our staff.

Enthusiasm, loyalty and dedication are required to help maintain our course to a high standard, involving paid overtime in the growing season.


For an application form and further details, please contact

The Secretary, PONTEFRACT AND DISTRICT GOLF CLUB,  c/o 24 Fair View, Carleton, Pontefract, West Yorkshire WF8 3NU

Completed application forms should be returned by 28th February 1992

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**NEWBURY AND CROOKHAM GOLF CLUB**

require a

**DEPUTY HEAD GREENKEEPER**

Applicants must have suitable qualifications and experience in all aspects of course management.

A thorough knowledge of machinery and maintenance is essential, together with the ability to motivate and direct staff.

Salary negotiable, depending on experience.

Applications in writing to include full CV to:

The Secretary, Newbury and Crookham Golf Club, Bury's Bank Road, Greenham, Newbury, Berks RG15 8BZ

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**EBERLE GOLF in MUNICH**

require a qualified and experienced

**GREENKEEPER**

for their three “Golfparks” in the Munich area.

Promotion and prospects excellent for expert, mature and dedicated person.

Full job description will be sent following applications in writing with details of experience and training to:

Edward Day MBE, Manager UK, Eberle Golf, Doves Barn, Brightling, East Sussex TN32 5HD

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Calcot Park Golf Club

Applications are invited for the position of

**DEPUTY HEAD GREENKEEPER**

For this well established and mature course. The successful applicant must have suitable qualifications and experience in all aspects of course management, machinery maintenance and irrigation systems, together with the ability to lead and motivate subordinate staff.

An attractive package including accommodation is negotiable, depending on experience and qualifications.

Applications in writing including a full CV to:

The Secretary, Calcot Park Golf Club, Bath Road, Calcot, Reading RG3 5RN

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**ASSISTANT GREENKEEPER**

required for

Wheatley Golf Course, Doncaster

Successful applicants should have City & Guilds Part One, or similar. Should also have knowledge of course machinery and equipment and at least two years experience. Further external training will be provided.


Apply in writing with full CV etc. to:

The Secretary, Wheatley Golf Club, Armthorpe Road, Doncaster DN2 5Q8

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**GREENKEEPER INTERNATIONAL** January 1992 53
Because we have quite a few new members in our section, I will take this opportunity to tell them how we function. During the winter we try to arrange evening lectures, these of course being announced beforehand, and the rule here is simple - just turn up (PLEASE) and enjoy a pleasant and informative evening.

Starting in April with a match against the North Wales section, we hold regular golf events throughout the year - in all six tournaments and including a qualifying round for the ISKJ sponsored tournament - and everyone is most welcome, beginners especially, who will also be given a playing handicap if required.

In the case of tournaments, the secretary must be informed of an intention to play at least seven days prior to the event, this in order that ample catering arrangements may be made. We always have an enjoyable time at these events, together with an excellent prize table usually provided by generous sponsors, so come along and meet other members and join in the comradeship.

I hope that 1992 will see greater interest, not only in local and regional events, but in those organised nationally. A prime example is the BIGGA Turf Management Exhibition at Harrogate on January 20th-24th, an event that really should not be missed! Any further information may be obtained by calling me on 051 724 5412.

BERT CROSS
CLEVELAND
Our AGM was held at Middlesborough Municipal GC on November 14th, with 26 members present. The annual reports were read and accepted and G Pyle was co-opted onto the committee. The AGM complete, a talk was given by Mike Heath of Vitax on The Care of Fine Turf. This was an excellent and informative meeting appreciated by all members. The fairway scarifiers and aerators demonstration at Brancepeth Castle GC was most interesting, with the Toro and Ransomes trials demonstrating how fairways can benefit from scarifying and how water percolation will improve through aeration. Our congratulations to Mr & Mrs Gary Munro, who now have a son, their second child.

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Iseki have a range of tractors to suit your needs. From 14-48 horsepower you'll find no more versatility, no more technical excellence, no better support and no better finance schemes. That's why Iseki are the driving force - because no one looks after your compact tractor needs more than Iseki.

Iseki UK Ltd, Broadway, Bourn, Cambridge, CB3 7TL. Telephone 0954 718981. Fax 0954 719731.

**TU**

The midrange maestros - the Iseki TU range offers you a choice of manual or hydrostatic drive, with models from 19-27 horsepower all designed for more productivity and performance, whatever the task.

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For professional or domestic grass cutting the Iseki Diesel Rider means you can cut and collect in one productive pass. A choice of 13-15 horsepower models with manual or hydrostatic drive.

**TA**

Iseki TA Tractors mean big productivity on courses or in parks - three models from 33 to 48 HP, all with four wheel drive and Iseki shuttle drive gearboxes.

**TX**

The original compact tractor - these 16-18 horsepower machines offer you real versatility with 2 or 4 wheel drive and front, mid or rear mounting points.

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The friendly benefits of Sierrablen™ turfmix controlled release fertilizer.

It's a proven fact. Sierrablen controlled release plant nutrients results in stronger and greener turf. You'll get an even colour and growth throughout the season with one application.

What's more, research has shown that with Sierrablen, nitrate pollution can be greatly reduced depending on your growing condition. It's economical too: you save up to 50% of the fertilizer quantity used, in comparison with conventional fertilizers. Turn to the friendly benefits of Sierrablen turfmix controlled release fertilizer. Post the coupon in a sealed envelope to Sierra UK Ltd, Freepost, Nottingham NG2 1BR and we'll send you all information by return, including specific recommendations for your crop. Or phone us: (0602) 455100.

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