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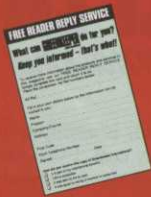
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Official publication of the British & International Golf Greenkeepers Association

JANUARY 1992



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GREENKEEPER

International

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Whitaker wins the big prize

Wisley Golf Club may now boast another triumph to add to their 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.....Pages 14-15



BTME '92 - it's here at last

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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 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-upPage 26

Faces and Places

COVER PICTURE:

David Whitaker, ICI Premier Greenkeeper of the Year, at Wisley GC. Photograph by Helene 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 mem-

bership 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, but 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'.

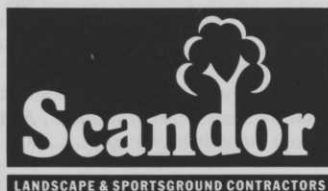
As if the above gaffs were not enough, the magazine further failed in its most elementary homework, demoting British Empire Medallist, Walter Woods, probably the highest profile course manager in the world, to the humble status of 'groundsman' at St Andrews and wrongly titling our esteemed ex-chairman, 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!

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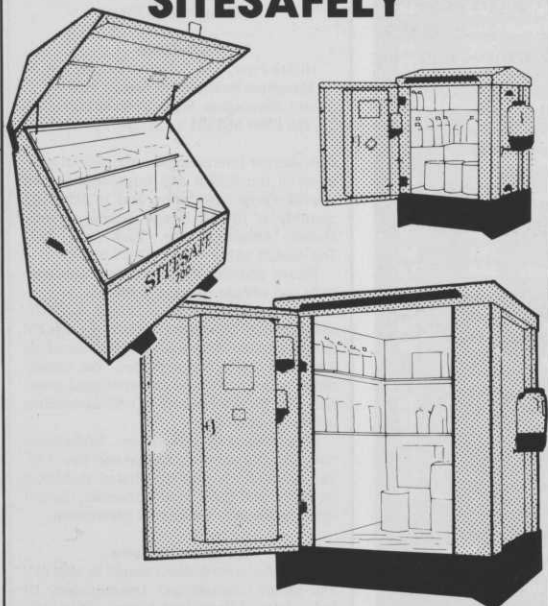
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The EEC, new directives on pesticides, the handling of loads – and how all this affects **YOU**

In addition to the changes within the UK on pesticides reviews, registrations and withdrawals – expected in 1992 – there are also some changes expected as a result of EEC Directives. The Pesticides Directive is expected to be available in the spring and will contain the expected list of substances permitted – and not permitted – to be sold and used within EEC Member States. The EEC will also be conducting reviews of pesticides in addition to the individual reviews of Member States. It seems very likely that the decisions of the EEC Parliament regarding pesticides reviews will be imposed upon Member States.

Nobody is sure just how this will work in practice, but it is possible that the EEC might overturn a UK decision following our own review of a substance. The new Directive on personal protective equipment will have far reaching consequences for those not supplying the correct equipment for the job, and it must be understood that PERSONAL means just what it says. The new standards of quality – the CE mark – will also apply from 1992 and purchasers of protective equipment should specify that the garment will comply with EEC standards.

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

Thou shalt not...

An update on recent and forthcoming directives,
by JON ALLBUTT



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.

- Assess any hazardous operations that cannot be avoided.

- Remove or reduce the risk of injury, using the assessment as a basis for action.

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 their being injured; make a suitable and sufficient assessment of all such manual handling operations to be undertaken by them. (b) To take appropriate steps to reduce the risk... (c) 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.

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

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.

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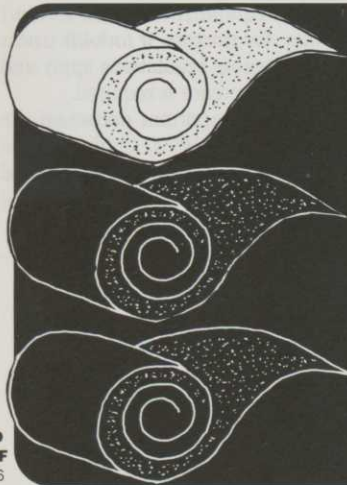


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To be a Golf Course Manager...

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 Convenor 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 seminars in Harrogate, we have negotiated 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 £495 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 Saull, has established a new public 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 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 Anne, a fair colleen from Northern Ireland), and having achieved this first ambition, his next is to see The Open return to Royal Portrush.

Members of the Northern Ireland Golf Greenkeepers Association (NIGGA), and indeed all greenkeepers in Northern Ireland, will quickly learn of Phil's enthusiasm for our Association, with Phil no doubt embarking on a personal crusade to



bring NI under our international banner.

■ Winner of the Kubota (UK) Cup for Best Machinery Student at Lancashire 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 Holtje 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 SISIS 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 of the death 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.

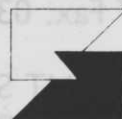
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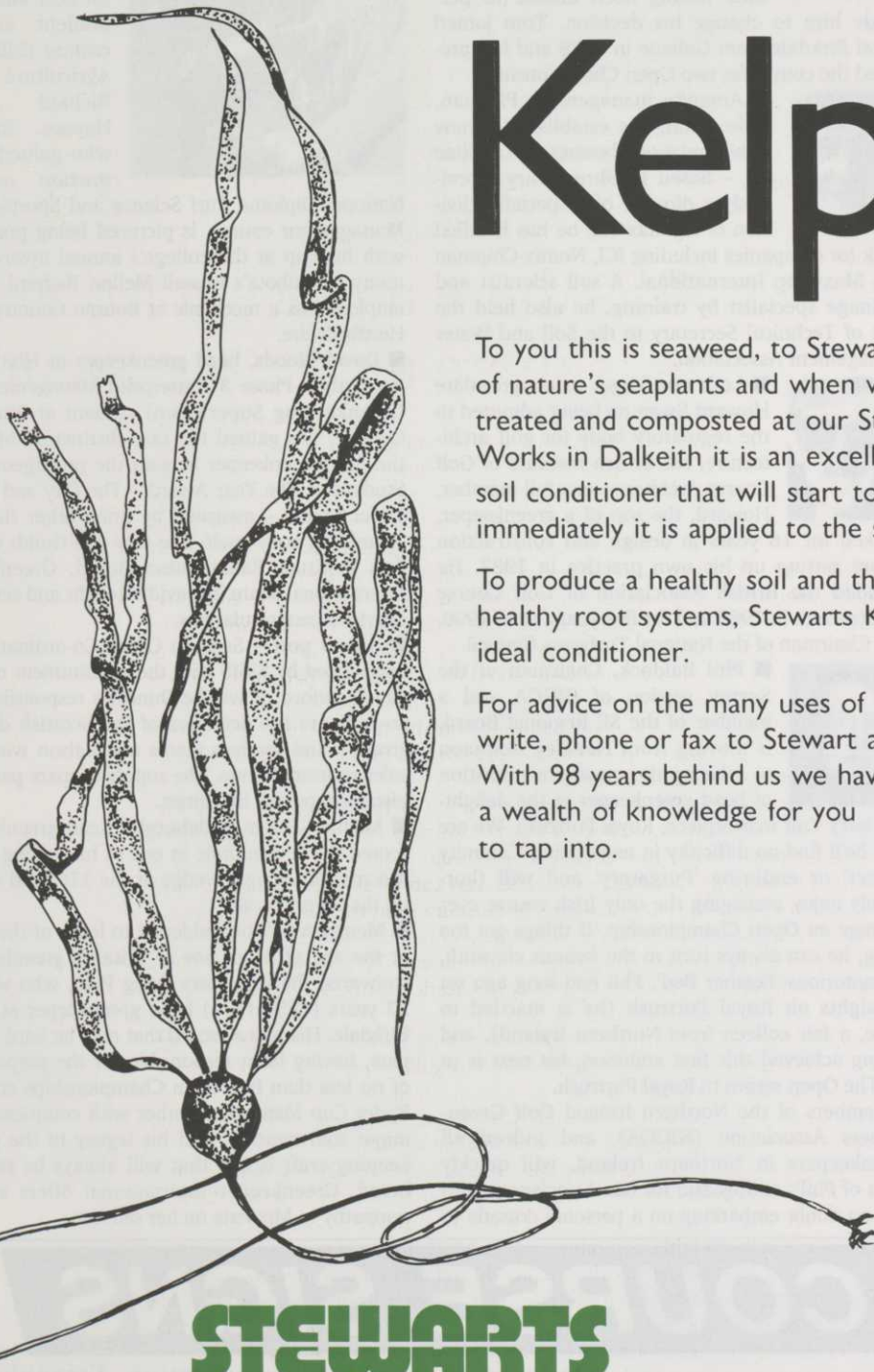
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SAND GREEN CONSTRUCTIONS IN GREAT BRITAIN

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 P_2O_5 . 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 Highland) 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

- Is there a place for them?
- Is there a *need* for them?

in the field, we do not recommend the use of pure sand based constructions for the follows 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 ➔ 13

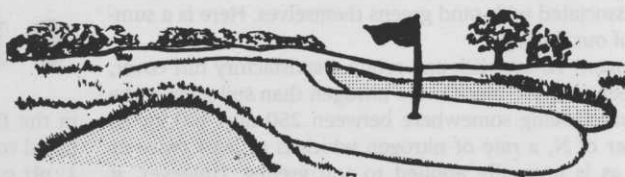
● Conclusions are based on research following a three year trial on the fertiliser nutrition of sand greens, carried out at the Sports Turf Research Institute and sponsored by the Royal and Ancient Golf Club of St Andrews. Tim Colclough is an Advisory Agronomist with the Sports Turf Research Institute, specifically serving the south west of England.

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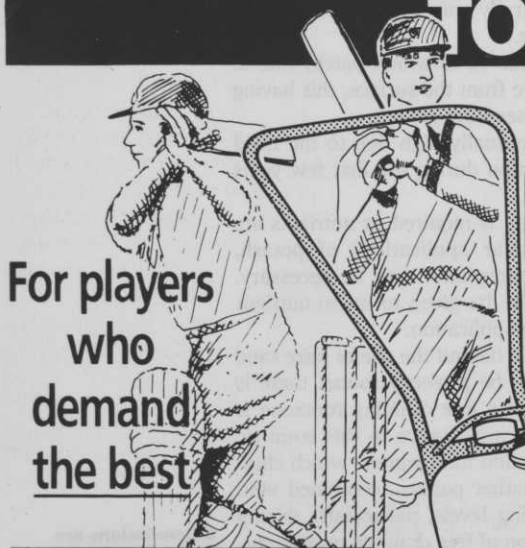
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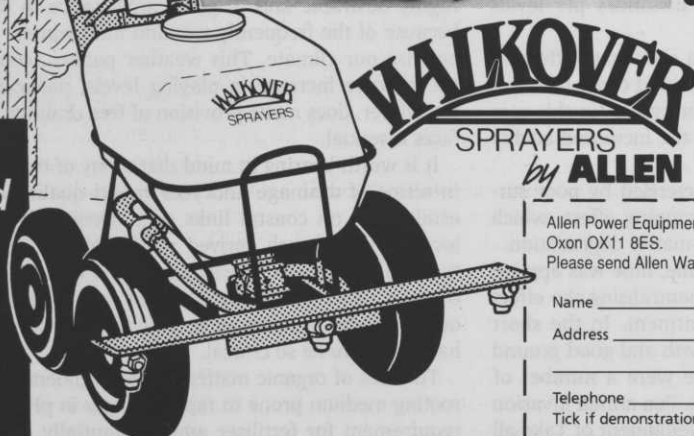


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From Page 11

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 ultra free-draining greens becomes irrelevant. That is not to say that the provision of a free draining putting surface is of low priority, indeed quite the opposite is true. A compromise is the obvious solution and we prefer to use a growing medium which contains at least 70-80% of uniformly graded lime free sand of medium particle size, blended with a small amount of light soil and organic material. Given the provision of good quality materials which conform to a very tight specification, this growing medium will provide free drainage and promote healthy growth of the desirable turf grasses. Indeed, this type of sand/soil mixture is more in line with our original links green constructions, when compared to pure sand.

In conclusion, the combination of research work and site experience leads us to believe that generally there is no place or need for pure sand greens in this country. The only mitigating circumstances which could contradict this conclusion may arise due to a complete lack of suitable local materials and a tight construction budget.

As is so often the case with experimental work, more questions become apparent and in responding to the need for further investigation into the whole subject of green construction, the Institute is carrying out extensive comparative research into pure sand greens, the USGA Green Section specification and local topsoil constructions. This five year experiment, again sponsored by the R&A, will also encompass investigations into irrigation rates and links with fertiliser application.

■ May I use the pages of Greenkeeper International to thank everyone in the North Scotland Section for the presentation of a print of The Old Course at St. Andrews, made to me at our section AGM.

It came as a great surprise and although being secretary of the section was hectic at times, the post gave me a great opportunity to make a great many friends in greenkeeping, not only in the north of Scotland but also throughout Britain, Europe and beyond.

I would also like to thank once again all those who helped and supported me in my capacity as secretary, including my wife, Pauline, and my past employers, Fraserburgh Golf Club. It is a job I would recommend every member might care to try for and I am sure that my successor as section secretary, Iain McLeod, will be an excellent ambassador for BIGGA, North Scotland.

GORDON MOIR St Andrews, Fife, Scotland

■ 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, what really disappointed me was the speculation and misinformation that the so-called professional announcers – both British and American – were feeding to the viewing public. Whilst 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 that 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.

ROBERT J MAIBUSCH CGCS, Hinsdale GC, Illinois, USA

■ 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.

DAVID JENKINS

Managing Director, Charterhouse Turf Machinery Limited

Letters

■ 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 levelled 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 asking how 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?

GARY MILLS Chestfield Golf Club, Kent

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, Surrey

– Two divided opinions, poles apart, and separated by nothing more than a delightful game and its vociferous devotees. Perhaps it is because the greenkeeping profession so often attracts entry from those who play golf that such opposing views are often aired. Readers comments are invited.

■ Whilst playing at Eltham Warren I hit a shot to the elevated first green, to my own satisfaction and retorts of 'good shot' from my partners. Upon reaching the green the ball was noticeable by its absence. A relentless search ensued – even looking in the hole – without success.

The following group were pressing and with mumbled remarks such as 'come on Biscoe, we'll never get round', with shaking heads we abandoned the Slazenger and moved on.

The matter was forgotten in the heat of battle until the eighth was reached, the green being adjacent to the first. My third shot hit the green, stopping 12 feet from the pin and ending in birdie territory in more ways than one, for as I walked forward my partner exclaimed 'did you see that, a crow has taken your ball and flown off with it?'. I couldn't believe it, but sure enough, one of the balls – mine – was missing. I looked and spotted the villain of the piece, 50 yards away with ball in mouth, taking a breather.

Suddenly my mind snapped, perhaps it was part of my RAF Regiment training, for I found myself charging at it, brandishing my putter. The fact that I'm an RSPB member didn't enter into the situation, for my ball was in danger and I was out of control. The bird, realising his little game might end in mortality, dropped the ball as my putter soared through the air, and took to the sky.

The putter never reached the target, clunking innocently through intervening tree branches to the ground. I proudly retrieved both ball and putter, replaced the ball and missed the birdie for a second time, settling for a par.

Well, I've heard of the thieving magpie but stone the crows – this takes the cake!

PETER BISCOE Keston Wood, Kent

Whitaker by a whisker

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 McCreddie.

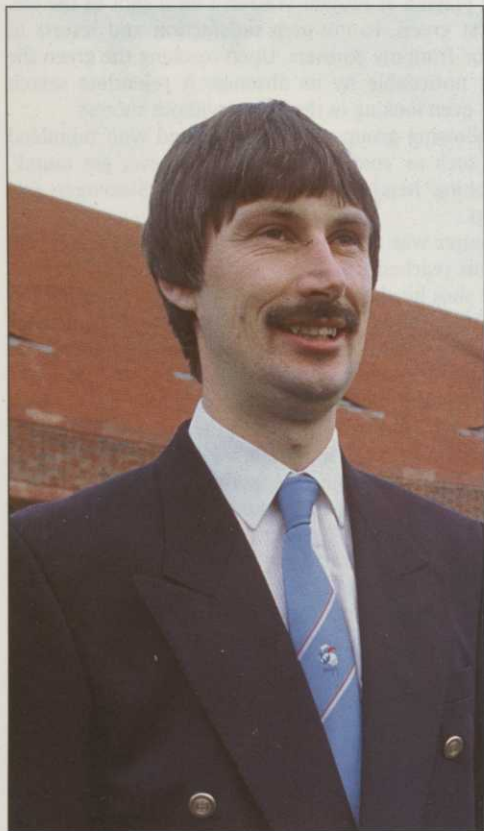
Returning to the banquet, the congratulatory speech given by the Marketing Manager of ICI Professional Products, Roger Mossop, gave rise to massive optimism for the future of today's professional course managers when he opined that by their knowledge and understanding of the art of greenkeeping the world 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 McCreddie setting up shop this very month at the popular golfing venue of Royston, home of the racehorse gallops. They are indeed all winners!

David Whitaker: ICI Premier Greenkeeper of the Year





BIGGA Chairman George Malcolm and, centre, Roger Mossop, Marketing Manager of ICI Professional Products, with the five ICI Premier Greenkeeper of the Year finalists: Tim McCreddie, Laurence Pithie, Richard Barker, Arne van Amerongen and David Whitaker

Plot your progress with ICI -BIGGA Wall Planner

For the second consecutive year, as part of their sponsorship programme, ICI Professional Products have produced for all course manager/head greenkeeper members of BIGGA, the official Association 1992 Wall Planner.

This colourful Wall Planner, measuring 28x20", illustrates the year at a glance, highlighting all the major BIGGA events. In addition, a valuable seasonal guide to the use of pesticides and fertilisers is featured together with details on products, their timing of use and chemical active ingredients.

Announcing the 1992 official Work Planner, Neil Thomas, BIGGA's Executive Director, said: "This exciting introduction by ICI Professional Products comes on top of their sponsorship of the ICI Premier Greenkeeper Award, BIGGA Turf Management Exhibition Seminar Programme and the BIGGA National Golf Tournament. ICI Professional Products are investing a substantial amount of money, expertise and enthusiasm into BIGGA, in particular into the key Association areas of Education, Training and Industry Development. In consequence they deserve our support in return."

All BIGGA course manager/head greenkeeper members have been mailed direct with their free Work Planner in time for the New Year. Planners are available for any BIGGA member upon request from BIGGA HQ.

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:

● In 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. Agreeable to complete all stages of the competition including having his/her course assessed by a BIGGA Regional Education Chairman and ICI Sales Manager.
4. The nomination should be a person who manages/maintains his/her golf course as a model to other members of the profession.

Section nominations

Each section committee of BIGGA to receive (via BIGGA headquarters) nominations from fellow members of the Association from their own section by 30 April 1992. The section committee of BIGGA will then discuss the nominations and by no later than 31 May 1992 send their nomination to the BIGGA Education Officer.

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

South West and Wales – South-West, South Coast, Devon and Cornwall, South Wales, North Wales* (North Wales Section allocated to South West and Wales Region for the award only).

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 assessments, 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

■ Kings Horticulture Ltd have been appointed national distributors for the BASF Floranid range of slow release fertilisers, a range proven throughout Europe and with a substantial market share in the UK. The Floranid range has always been supported by the technical expertise of Mr John Hinton, who becomes Amenity Advisor for Kings Horticulture and will also provide technical back-up to a selected number of regional distributors. King's MD, Mark Bowley, said: "This move confirms our commitment as a major supplier of both advice and products to the amenity market."

■ 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 Turfmech 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 will start working immediately it is applied to the soil. Soil aeration and improved drainage are claimed as additional benefits, brought about by Kelpie's ability to crumb soil particles.

■ 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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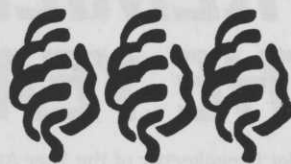
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BIGGA Turf Management
Exhibition and Seminar
Programme 1992

Exhibition Catalogue

The Exhibition Centre, Harrogate, North Yorkshire, 22-24 January 1992
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The British & International Golf Greenkeepers Association Turf Management Exhibition 1992



BTME

BIGGA Turf Management Exhibition and Seminar Programme 1992



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

27-29 March 1992: BIGGA National Education Conference, Royal Agricultural College, Cirencester.
8 April 1992: Annual General Meeting, Royal York Hotel, York
29 April 1992: Westurf Exhibition, Long Ashton Golf Club, Bristol.
16-19 July 1992: Open Championship, Muirfield.
10-12 August 1992: BIGGA National Tournament, Littlestone Golf Club, New Romney, Kent.

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.

See us on
Stand A69 at BTME '92



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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.

LESCO
FROM CDC

Quality doesn't always cost the earth

CDC Group plc, Chapel Works, Waldringfield, Woodbridge, Suffolk IP12 4PT. Telephone: 0473 36791

Guide to EXHIBITORS



ADASStand No. A3

Nobel House, 17 Smith Square, London SW1P 3JR
Tel: 071-238-5782 Fax: 071-238-5732

Contact: Chris Stansfield

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 SPORTSTURFStand No. B17

123 Harmony Row, Govan, Glasgow G51 3NB
Tel: 041-4400033

Contact: Richard Aitken

ASKHAM BRYAN COLLEGEStand 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 Training Committee for the North East and East Midlands areas. 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 aspiring 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 & ELLISStand No. A17

Iron Works, Hamley Road, Haverhill, Suffolk CB9 8QH
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.

BARENBRUG UKStand No. A95B

PO Box 2, Rougham Industrial Estate, Bury St Edmunds, Suffolk IP30 9NW

Tel: 0359-70766 Fax: 0359-71021

Contact: Carol Abbotts

BARENBRUG, Europe's leading grass seed company, is able to provide greenkeepers with the top varieties on the STRI, Bingley list. BARDOT, browntop; BARCROWN slender creeping red fescue; BARUBA chewing fescue; all of these varieties, specially developed for greens, tees and fairways - are constituents of the BARENBRUG'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 BARENBRUG stand A95B in Hall A.

BECKER-UNDERWOOD, INCStand 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 CDA 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 Lawngrer is a sports turf permanent grass colour for dormant or discoloured turf. Lake Colourant WSP is the fast, easy way to colour lakes and ponds.

BETTER METHODS-EUROPEStand 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 LIMITEDStand No. A63

PO Box 18, Evesham, Worcs WR11 5SW
Tel: 0789-773383 Fax: 0789-773238

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



John Hacker • Bill Gillespie • Mike Harbridge

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 90 sweeper collector for use in parks/gardens. SJ Chipper range includes lightweight petrol driven models for fast towing behind 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.

BIGGAStand 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 is delighted to be organising the event which shows every indication of developing into the largest indoor Exhibition and Educational Seminar Programme throughout Europe.

At the BIGGA stand you will be able to obtain all current BIGGA literature and be updated on developments within the Association. Details of membership of the Association will be available and for those so wishing there will be the opportunity to complete applications for membership whilst visiting the stand. Visitors should particularly note details of the Master Greenkeeper Certificate. The award of this certificate will indicate that recipients have achieved the highest standard of excellence within the profession of green-keeping.

Please ensure that you take a copy of the programme for the National Education Conference to be held at the Royal Agricultural College, Cirencester from 27-29 March, 1992. An eminent panel of speakers has been assembled with a wealth of greenkeeping knowledge and experience and delegates will greatly benefit by attending at this major three day educational event.

The full range of BIGGA merchandise will be on sale and also details of the TRIMS Computer Software Package will be available - fast becoming a vital management aid for the progressive course manager.

Please take a copy of 'Greenkeeper International' - essential reading for greenkeepers, golf clubs and the industry.

The Association's staff look forward to meeting you on the Stand, where much lively and informed discussion can be assured.

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 EQUIPMENTStand No. A93
3 Priors Way, Colne 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 PLCStand 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: 0278-652226 Fax: 0278-652479

Contact: Kristine Bater

CHESHIRE COLLEGE OF AGRICULTUREStand No. C45B
Reaseheath, Nantwich, Cheshire. Tel: 0270-625131

Contact: Dennis Mortram

CLAYMORE GRASS MACHINERYStand 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.

AstroTurf



EASY PICKER GOLF PRODUCTS

Astro Turf Golf Mats are now on special offer while stocks last.
For details telephone 0865 341580 or 0273 602637

UNIMAT



To see the Famous Names in Golf Practice Ground Equipment visit Stand Number C21-C23 at BTME '92

D & E TURF MAINTENANCE.....Stand No. C17A
 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 Hydroject 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 & HOLLIDAYStand No. B111C
 Unit 4 Graham Potter Estate, Beech Avenue, Swindon, Wiltshire
 SN2 1JY

Tel: 0793-513214 Fax: 0462-701358

Contact: Ian M Dixon

On display we will have the incredible range of Nikken knapsack brush cutters/mowers plus the full accessory range. These include the hover hood accessory, 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 COLLEGEStand No. C47A
 Cupar, Fife KY15 4JB

Tel: 0334-52781 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 greenkeepers offering a wide range of programmes from craft to management level. With around two hundred and fifty greenkeepers currently in attendance, the development of facilities reflects our commitment to education in the greenkeeping industry. The attendance mode of our courses is flexible, from full time and block release to correspondence and short courses. New for 1992 is our Higher National Certificate in Golf Course Management, which we hope to offer by correspondence course in 1993. Come and discuss your educational requirements with us.

ENGLISH GOLF UNIONStand No. C53
 103 Upper King Street, Leicester LE1 6XF

Tel: 0533-553042 Fax: 0533-471322

Contact: Keith Wright

EUROTURFCARE LTDStand No. C19
 Dromenagh Farm, Sevenhills Road, Iver Heath, Bucks SL0 0PA

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 it's 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, seed, fertilizer, top dressing, chemicals and much more.

HOWARD EVANS FINANCIAL SERVICES LTD
.....Stand No. C5

13 The Rainbow Business Centre, Phoenix Way, Swansea Enterprise Park, Morriston, Swansea SA7 9EH

Tel: 0792-791179 Fax: 0792-797748

Contact: Howard Evans

Howard Evans Financial Services was set up on 1st November 1990, specifically to offer financial advice to all BIGGA members on pensions, mortgages and other related financial topics. As you probably know, Howard Evans has been offering financial advice to the BIGGA membership since August 1989 but the initiative has proved so successful that Howard has reorganised his activities to give even more time to answering the financial questions posed by BIGGA members. Howard Evans Financial Services is an Appointed Representative of Standard Life, possibly the UK's most respected investment, pensions and life assurance office and certainly the European Community's largest mutual life assurance company. Howard Evans Financial Services offers all BIGGA members free advice on the full range of financial topics, but retains a primary interest in ensuring that all members are making adequate contributions to an appropriate Pension Plan. In the last 18 months many greenkeepers have started contributing to a BIGGA Personal Pension Plan. Some are making contributions entirely on

their own whilst others are having contributions made on their behalf by their Golf Club.

Either way, we all know sensible financial planning for the future makes sense.

Call and see Howard Evans on Stand C5.

FARMURA LTDStand No. A89
 Stone Hill, Egerton, Ashford, Kent TN27 9DU

Tel: 0233-76241

Contact: Jonathan Harmer

Farmura will be displaying their full range of turf care products. 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.

FENCHURCH NORTHERNStand No. C5
 Bramley Business Centre, 533 Stanningley Road, Leeds LS13 4DA

Tel: 0532-558400 Fax: 0532-570310

Contact: Andrew Lawrence

Fenchurch Insurance Brokers are Insurance advisors to B.I.G.G.A. 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.....Stand No.A59/A73
 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 offer 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
.....Stand No. B1

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 LTDStand No. B67
 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

HARROGATE
Stand A 17

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.

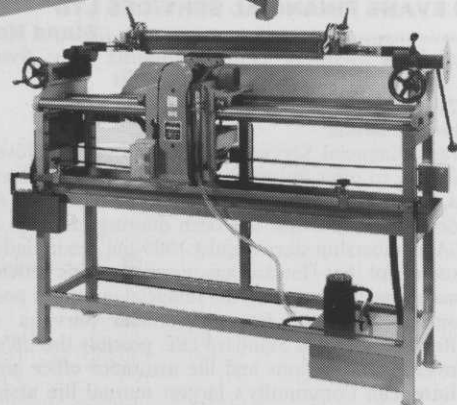
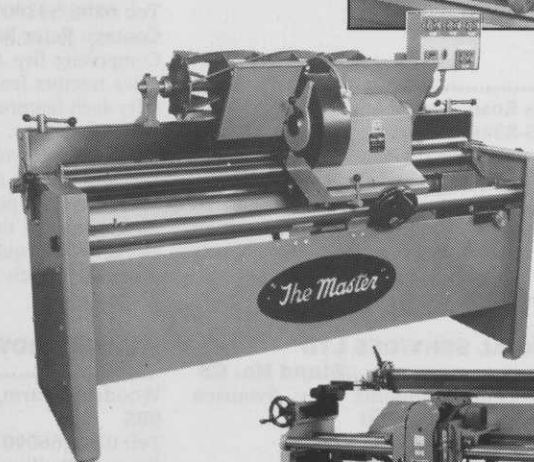
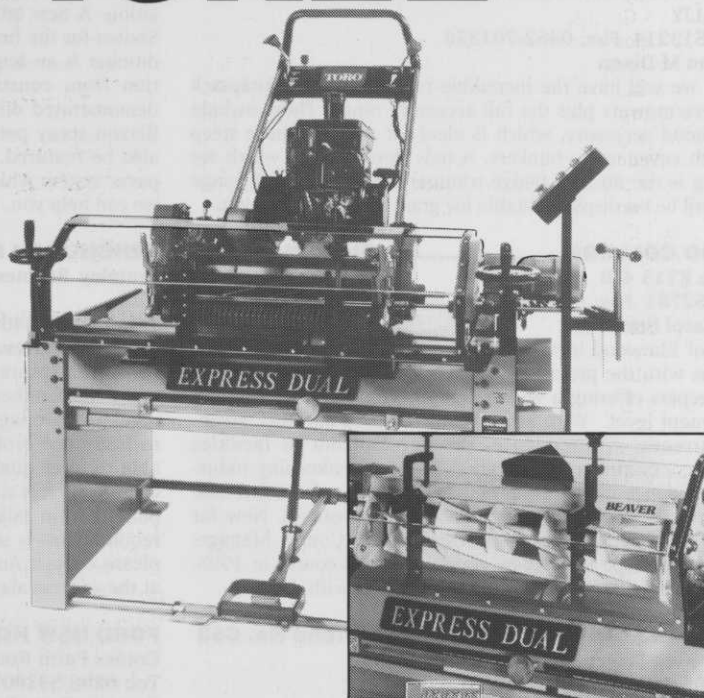
In fact, in our work shops at the moment we have Express Duals ready to go to America – the Atterton is well proven on the other side of the Atlantic too!

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

AD
REF
7

GEM PROFESSIONAL.....Stand No. B105

Brookside Lane, Oswaldtwistle, Accrington, Lancs BB5 3NY

Tel: 0254-393321 Fax: 0254-236775

Contact: Duncan Metcalf

Gem Professional, the largest privately owned manufacturer of fertilizer 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: 0775-722327 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 systems, 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 travelling rotary irrigators - for fairway and sportsground watering. The Otterbine range of floating aerators, used for the ultimate efficiency of pond and lake water management, will also be included. Expert design and installation advice will be available.

GOLF COURSE SERVICESStand No. A19

6 Stewart 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 YO6 2NF

Tel: 03473-581/2 Fax: 03473-8864

Contact: Neil Thomas, General Administrator

HARES OF SNAPE LTDStand 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, masonry walls and flooring.

HAYTERS PLCStand No. B59B

Spellbrook, Bishops Stortford, Herts CM23 4BU

Tel: 0279-723444 Fax: 0279-600338

Contact: Tina Pulsford

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 comprehensive range of grass cutting machinery for golf courses.

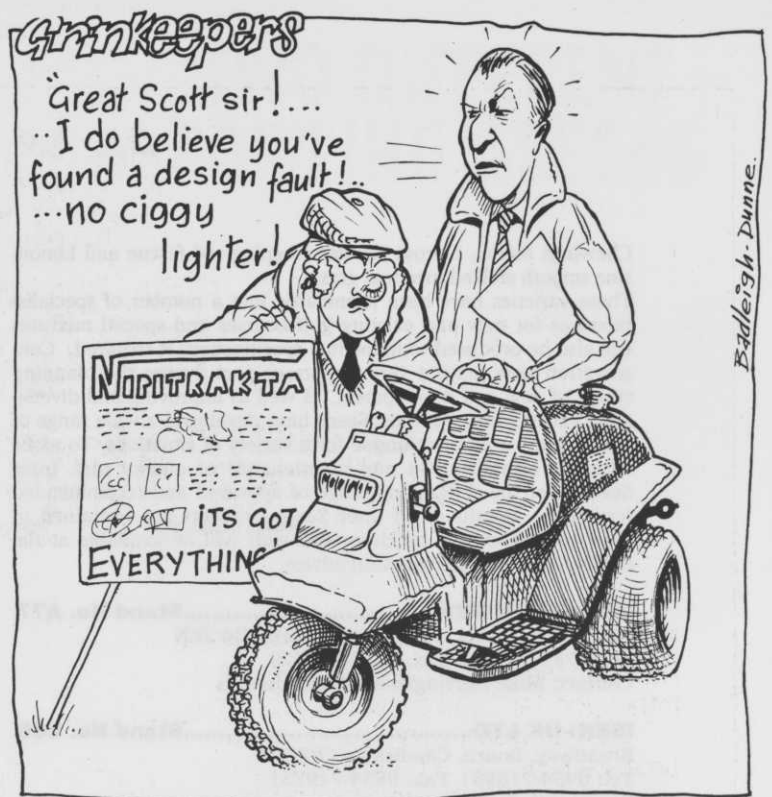
HOLE-IN-WHITE EUROPE.....Stand No. A9

Skinner's Farm, Epping Lane, Stapleford Tawney, Romford, Essex RM4 1ST

Tel: 040-28435

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 specially 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 MACHINERYStand 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 Huxtruk Turf Maintenance Vehicle with 23.5hp Perkins diesel engine, power steering and automatic hydrostatic transmission. The Huxley 358 Greensmower and other machines from Huxleys' range of heavy duty reel mowers, reel mowers for compact tractors, turf care implements, The Little David stump remover, Royer shredders and Powerscreens will also be displayed.

I/C DISTRIBUTORS.....Stand No. A5/7

Sutherland Avenue, Wolverhampton WV2 2RA

Tel: 0902-452138 Fax: 0902-454159

Contact: Michelle Britain

ICI PROFESSIONAL PRODUCTSStand No. B61

Fernhurst, Haslemere, Surrey GU27 3JE

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 herbicide Super 'Verdone'. The ICI range goes beyond the maintenance of turf, and we can offer a number of products to use in the landscaping 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 hazards. Call on the ICI stand No. B61 and see the new applicators for use with this popular product.

*REMEMBER TO ASK FOR DETAILS OF THE 1992 "ICI PREMIER GREENKEEPER AWARD", specially organised for BIGGA members.

INSTITUTE OF GROUNDSMANSHIPStand No. C51

19-23 Church Street, The Agora, Wolverton, Milton Keynes MK12 5LG

Tel: 0908-312511 Fax: 0908-311140

Contact: Derek Walder, General Secretary

INTER SEEDS LTDStand 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 varieties, including Lisabelle and Lisuna perennial ryegrasses, Lifalla

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: John Akers

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

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at BTME '92

+++++NATIONWIDE SERVICE+++++

AD
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258

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323

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 DL cab which has a noise rating of 82 dba at the driver's ear.

LANCASHIRE COLLEGE OF AGRICULTURE & HORTICULTURE.....Stand No. C45A

Myerscough Hall, Bilsborrow, 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 groundsman 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 LTDStand No. A83/85

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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 stripping, 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 TURFStand No. C35

Church House, Horkstow, Barton on Humber, South Humberside DN18 6BG
Tel: 965261-329 Fax: 065261-447
Contact: Geoff Hodson

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LLOYDS & CO LETCHWORTH LTDStand No. C15B

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 LTDStand No. A43

Hunt House Swamills, Clows Top, nr Kidderminster DY14 9HY
Tel: 0299 22611 Fax: 0299-22536

Contact: John S Cockayne

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MARKETING LINK ASSOCIATES.....Stand No. B15

24 Badgers Court, Langdon Hills, Basildon, Essex SS16 6AU
Tel: 0268 413798 Fax: 0268 416434

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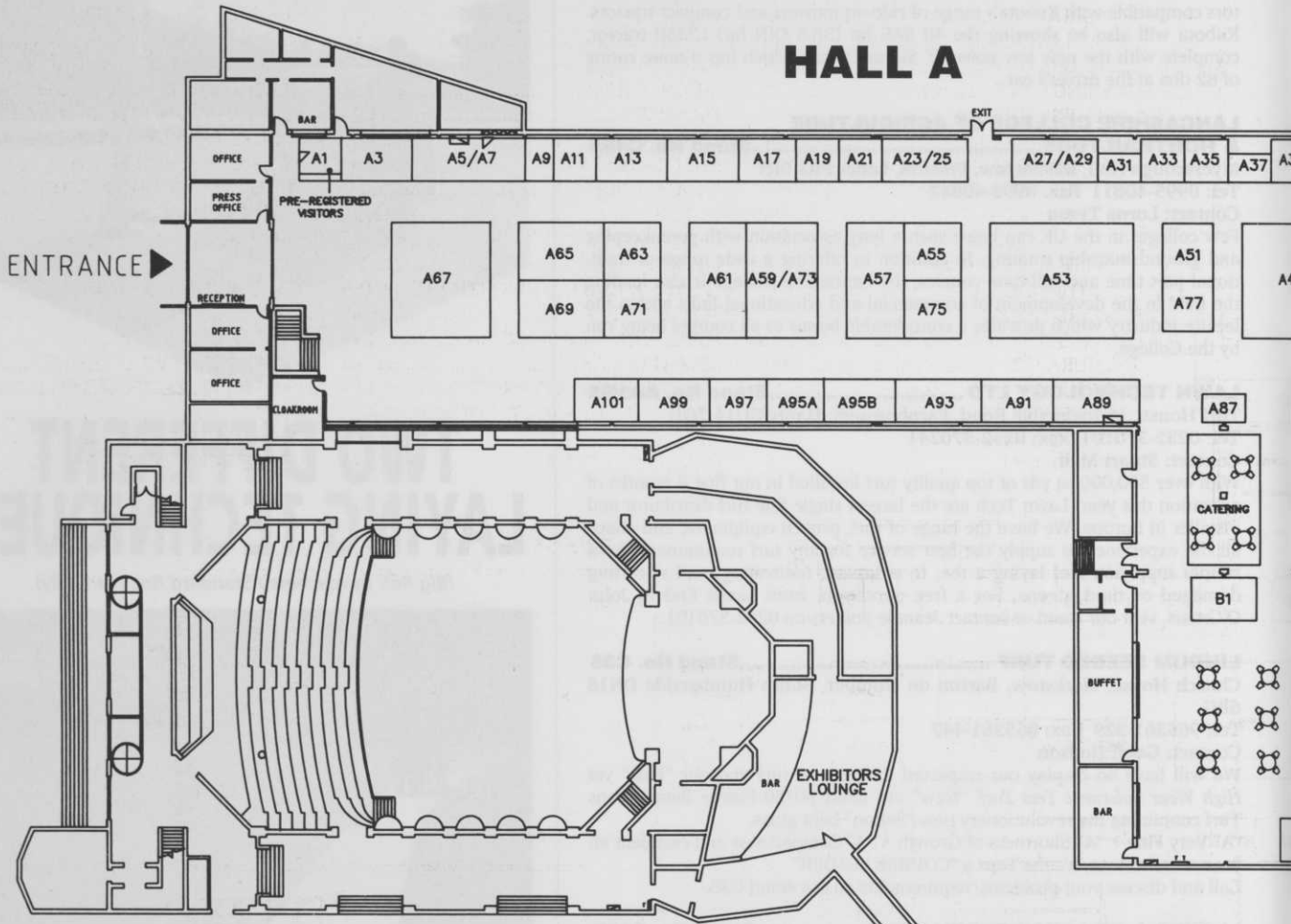
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BTME

BIGGA Turf Management
Exhibition and Seminar
Programme 1992

Exhibition Plan

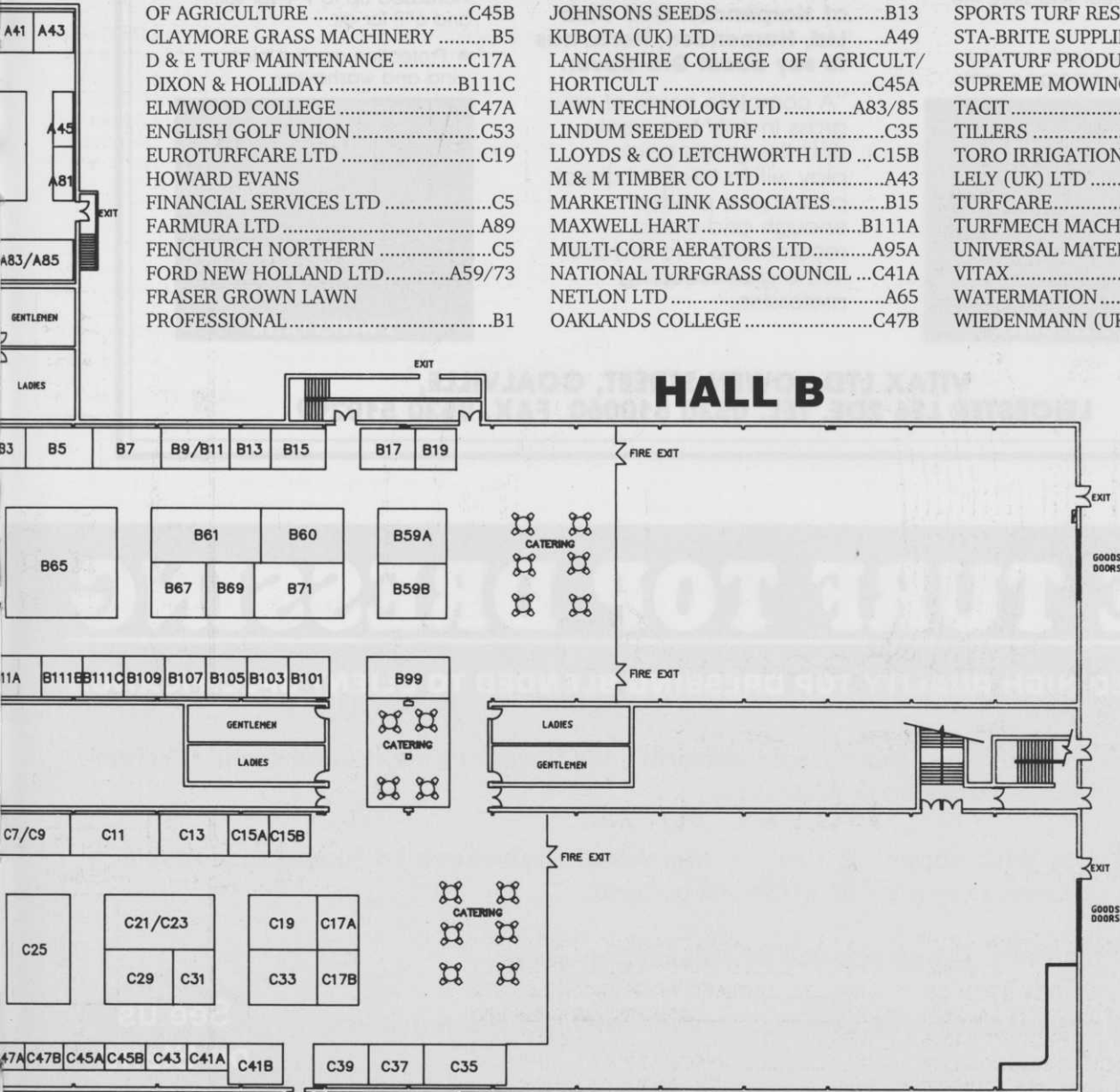


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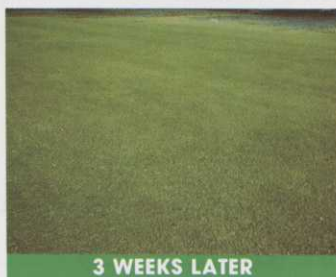
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▶ **Easy to apply & spread without dusting.**

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A27/29 at
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"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 HARTStand 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 fertilizers 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 LTDStand No. A95A
 229 Higher Meadow, Clayton Le Woods, Leyland, Lancs 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 COUNCILStand 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 LIMITEDStand 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

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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 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

On display will be the most up-to-date range of golf course, practice ground, and golf range equipment manufactured in Britain. Pattisson, being Europe's largest and leading golf accessory distrib-

utor will be demonstrating the latest in custom credit card ball dispensers and a new style bogey hole cup, and improved winter golf mats, new litter bins and an even stronger material type 5" tee marker.

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, Lancs PR1 1LD

Tel: 0772-884450 Fax: 0772-884445

Contact: John Hacker

Professional Sportsturf Design Associates provide a complete agronomic consultancy service for the golf course. Whether upgrading a mature course to cope with today's increased play or developing a new course, 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 Prof-



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at BTME
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RANSOMES SIMS & JEFFERIES LTDStand No. A67

Ransomes 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-Poulenc 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-Poulenc 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 LIMITEDStand 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 deactivator 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

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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 DRESS 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 Rufford's 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 COMPANYStand No. B107

14111 Scottslawn Road, Marysville, Ohio 43041, USA

Tel: 513-644-0011 Fax: 513-644-7679

Contact: Korbin Riley



For the installation, maintenance and repair of irrigation systems on golf courses, bowling greens, tennis courts and any playing areas, farms and garden sites.

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Suppliers of galvanised PVC and polythene pipes and fittings, valves, pumps, agricultural and pop-up sprinklers and associated equipment.

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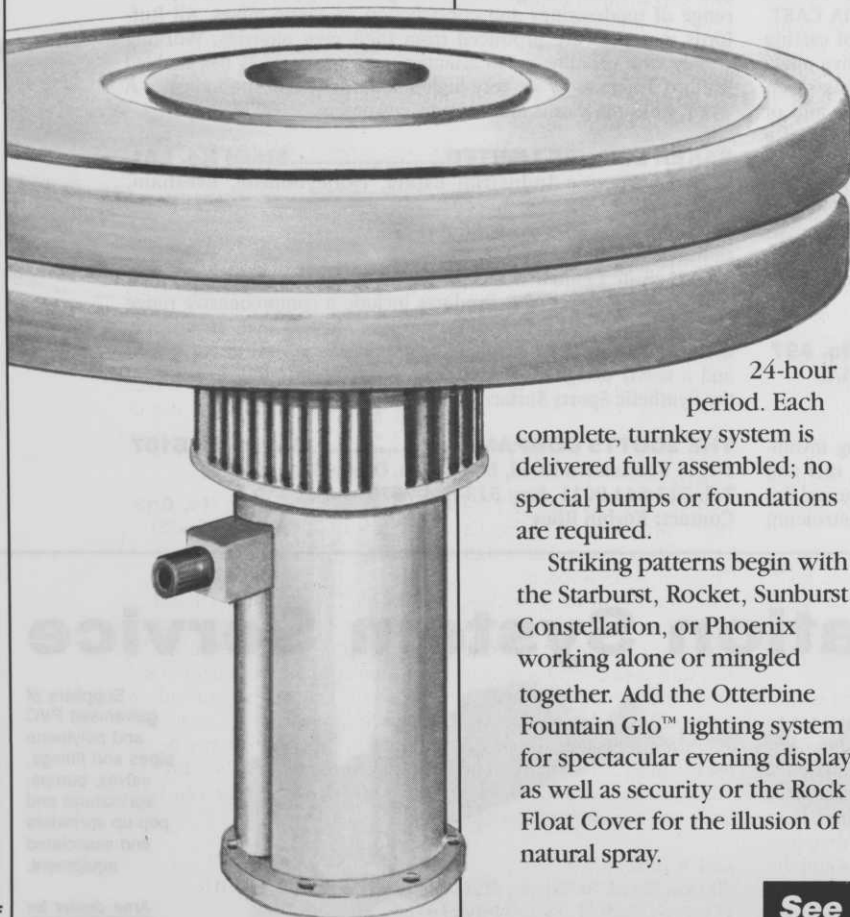
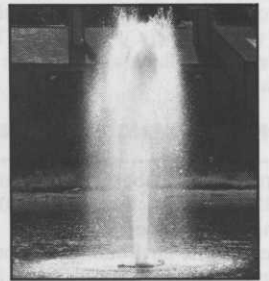
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The prescription for troubled breathing, poor circulation, and changing temperatures in ponds and lakes is practical engineering that is esthetically pleasing.

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



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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



See Otterbine on BTME Stand A21

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 Turfmix 28-5-7 for iron-ways – 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 L 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 activator products for soil 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 current research projects, sportsfield construction, and problems which arise in turf maintenance. We have also expanded our services to include an advisory and consultancy service on golf course construction, together with conservation ecological 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 new edition of 'Turfgrass Pests and Diseases' and 'Fertilisers in Turf 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: 0256-811078

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, spreaders, sprayers and CDA applicators, golf course equipment, irrigation, parks furniture, tools and other equipment. Sta-Brite's own STA-GREEN fertilisers, HI-FLIERS grass seed, and top dressings will be on show, as well as Schweizer slow release fertilisers and the Rhone-Poulenc CDA system.

SUPATURF PRODUCTS LTD.....Stand No. A11

Amenity House, Maizefield, Hinckley, Leics LE10 1YE

Tel: 0455-234677 Fax: 0455-234714

Contact: D Marcus Palmer

Supaturf 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.

SUPREME MOWING.....Stand No. A71

Wet Moor Lane, Wath-upon-Dearne, Rotherham S63 7LR

Tel: 0709-873436 Fax: 0709-878005

Contact: Linda Adams

Supreme Mowing supply high quality replacement cutting cylinders and bottom blades. Continuing their efforts to further improve the quality of grass care products, Supreme Mowing laid down plans to design and manufacture a range of new grinding machines with emphasis on accuracy and operator safety. After lengthy tests, the company launched their own 'Leader' range of grinding machines. Built around a modular concept, the 'Leader' enables the smallest of workshops to purchase a 'state of the art' grinding machine, assisting them to build up a good reputation. It is built around a solid free standing frame fitted with easily adjustable anti-vibration mounts, which when used in conjunction with the built-in spirit level enables quick and easy installation and the ability to re-site the machine without worry. Supreme Mowing claim to provide a machine to suit every size of operation, with the facility to upgrade the machine as needs dictate.

TACIT.....Stand No. B3

48 Hillmorton Road, Rugby, Warks CV22 5AD

Tel: 0788-568818 Fax: 0788-537485

Contact: Richard Webb

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. C7/9

Castlethorpe, Brigg, South Humberside

Tel: 0652-650555 Fax: 0652-650064

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: 0425-472380

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



NATIONAL EDUCATION CONFERENCE

27-29 March 1992
The Royal Agricultural College
Cirencester

For the fourth consecutive year, BIGGA's National Education Conference next spring will feature a programme of international speakers. The event is to be sponsored, once again, by **Lindum Turf and Associates**. The Conference programme will be available at the BTME from either the BIGGA or Lindum Turf stands.

Some of the speakers and their topics are:

Tom Cook, Associate Professor, Dept of Horticulture, Oregon State University: Maintaining Pure Bentgrass Greens: Is it possible in cool temperate climates?

Neil Baldwin, STRI: Green Pest and Disease Control

Derek Green, Course Manager, Royal Liverpool Golf Club: Dry Patch

Tor Senstadt, Secretary, Norwegian Greenkeepers Association: Greenkeeping in Norway

Patrick O'Brien, South Eastern Director, USGA Green Section: Bentgrass Management in the South Eastern USA

Jon Allbutt: Using Chemicals on the Golf Course and Complying with the Law

William R Roberts, President, Golf Course Superintendents Association of America: The Development of Education Programmes for the Greenkeeping Profession

Carol Borthwick, Senior Lecturer in Greenkeeping, Elmwood College: Where do we go from Here?

Laurence Pithie, Master Greenkeeper, Course Manager, Minchinhampton Golf Club: Golf Course Development - a Greenkeeper's Viewpoint

Barry Cooper: Golf Course Drainage Consultant: Golf Course Drainage - Before and After Construction

Jonathan Gaunt, Golf Course Architect: Project Management - How does it compare to normal Golf Course Construction Contracts?

Jim Arthur, Golf Course Agronomist: Sound Traditional Greenkeeping Practices versus Gimmicks

Gordon Jaaback, Agronomist, Conservation and Land Development Specialist: Limitations in Rootzone Design

Bernard Findlay, Course Manager, Portstewart Golf Club: Can you Build a Seaside Links or is that Nature's Job?

The programme including application form will be available soon from BIGGA Headquarters Telephone 03473 581/2 • Fax 03473 8864



**BIGGA Turf Management
Exhibition and Seminar
Programme 1992**

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 addition 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 Greensmaster range the leader in greens mowing.

TURFCAREStand No. B7
98 Durham Road, Leadgate, Consett, Co. Durham DH8 7RB
Tel: 0209-505837. 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 Platt 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 ELETE 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 vertidrainning Coremaster hollowtining with customers old and new.

TURFMECH MACHINERY LTDStand No. A51
Butts Farm, Great Haywood, Staffs ST18 0TF
Tel: 0889-881611 Fax: 0889-882819. Contact: Clive Carter

Turfmech will be showing for the first time in the U.K. the new 1 metre Rotadairon Soil finisher and stone burier. This new addition to the stone burying machine range gives the 18 hp compact tractor operator the ultimate seedbed preparation tool. By burying 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. Turfmech 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 Nicholls 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

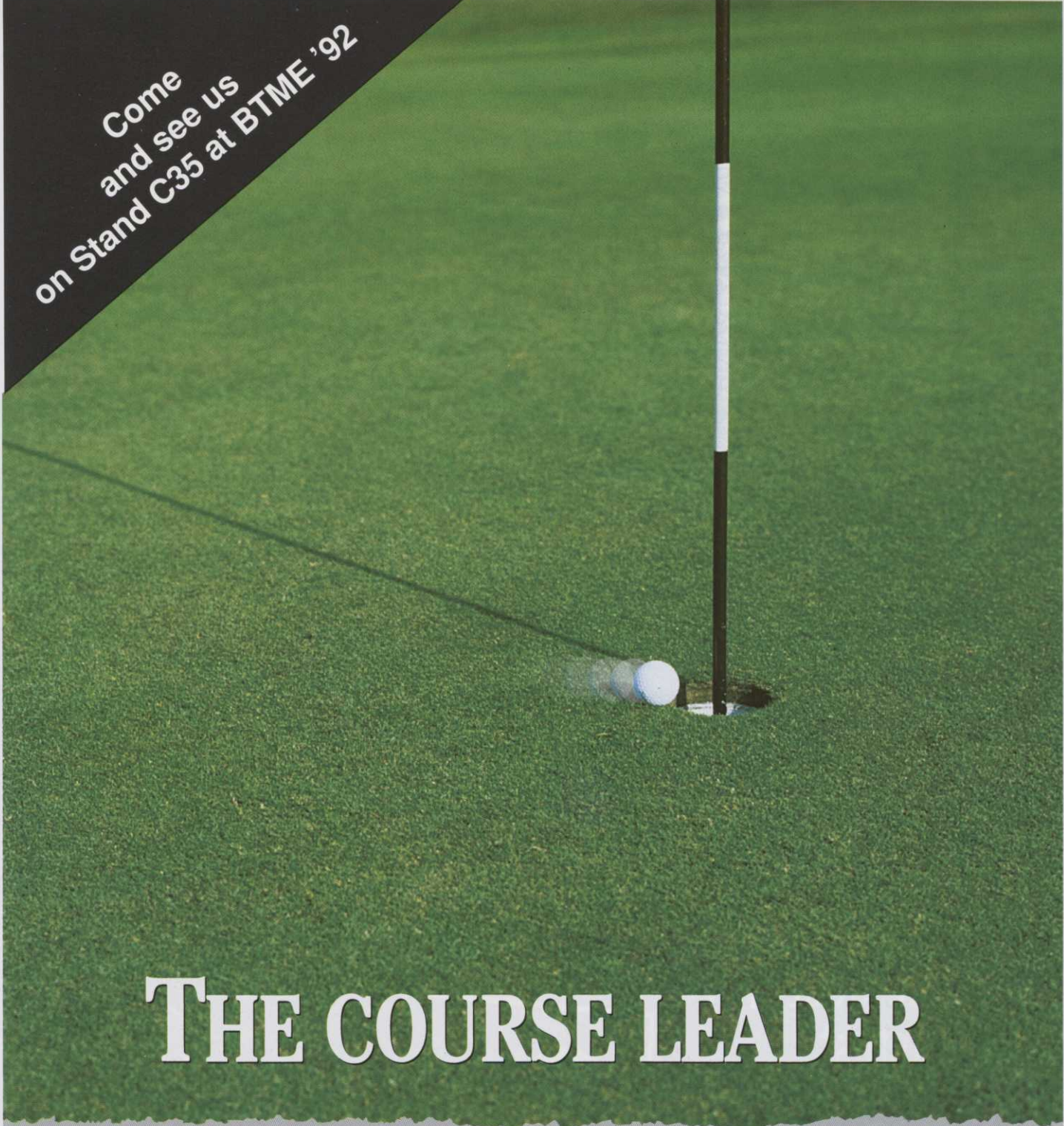
VITAX Gro-Cover has proved to be the ideal product for today's turf manager, whether it is used to cover newly seeded or oversown areas of sport and amenity grass, where it has been proved to increase the speed and percentage of germination by 4 to 7 days, or regenerate growth on golf course walkways 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 Aquater soil 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) LTDStand No. A37
c/o Inturf Group, 11B Regent Street, Pocklington, York YO4 2KN
Tel: 0759-304101 Fax: 0759-305229

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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.

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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



Product Name	Spring & Summer	Autumn Feed	Finegreen NK	Nitrogen with Iron
NPK Analysis	14:3:7	5:5:15	15:0:5	8:0:0
Other Ingredients	2% Mg, Seaweed extract	2% Mg, 1½% Fe, Seaweed extract	2% Mg, Seaweed extract	2½% Fe, Seaweed extract
Contains DIDIN	Yes	No	Yes	No
Mini-granule	Yes	Yes	Yes	Yes
Application Rate	35–50 g per sq m 1–1½ oz per sq yd	35 g per sq m 1 oz per sq yd	35–50 g per sq m 1–1½ oz per sq yd	35–50 g per sq m 1–1½ oz per sq yd
Area Treated	500–710 sq m 585–880 sq yd	710 sq m 880 sq yd	500–710 sq m 585–880 sq yd	500–710 sq m 585–880 sq yd
Bag Size	25 kg	25 kg	25 kg	25 kg

SPORTS FIELD RANGE



Product Name	Spring & Summer	Autumn Feed	Nitrogen	Plus
NPK Analysis	11:6:9	10:10:15	25:0:0	14:3:7
Other Ingredients	1% Mg, Seaweed extract	Seaweed extract	1½% Mg, Seaweed extract	2% Mg, 2,4-D, dicamba, Seaweed extract
Contains DIDIN	Yes	Yes	Yes	Yes
Mini-granule	Yes	Yes	Yes	Yes
Application Rate	35–50 g per sq m 1–1½ oz per sq yd	35 g per sq m 1 oz per sq yd	35–50 g per sq m 1–1½ oz per sq yd	35 g per sq m 1 oz per sq yd
Area Treated	500–710 sq m 585–880 sq yd	710 sq m 880 sq yd	500–710 sq m 585–800 sq yd	710 sq m 880 sq yd
Bag Size	25 kg	25 kg	25 kg	25 kg

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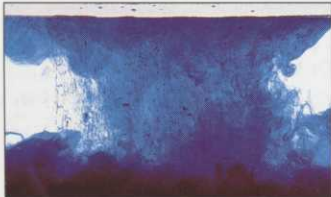
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AROUND THE GREEN

Keeping in touch with news and comment from the regions

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 winner was Chris James. Well done and many thanks to all at Lingdale.

At the AGM, the following were elected to represent the section for the coming year: CHAIRMAN: Richard Barker, VICE CHAIRMAN: Dave Perkins, SECRETARY: Tony Howarth, COMMITTEE: Graham Arnold, Mark Bindley, Walter Cole, Steve Goode and Paddy McCarron. REGIONAL REPRESENTATIVES: Richard Barker and Tony Howarth, BOARD OF MANAGEMENT REPRESENTATIVE: Paddy Mc Carron.

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 as much 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 Leek.

TONY HOWARTH

WEST SCOTLAND

The turn-out for the 1991 West Section AGM, at Renfrew GC, was attended by some 32 members, who came to learn how their elected committee had been faring on their behalf throughout the year. The year was an exceptional one, as the Spring and Autumn golf outings were supported by more than half of the total section membership. Lenzie and Cowal Golf Club's are to be thanked for their personal invitations to the section to come and play over their courses. It is a pleasure to us all to receive an open invitation and to know the hand of friendship extends to the greenkeeping fraternity.

The Annual Dinner was once again held at Sloans Restaurant and was well attended, though grumbles were heard concerning the venue and the quality of meals served that evening. Your committee will give this serious consideration well in time for next year. There was nothing but praise for the three guest speakers: Peter Lloyd, Assistant Secretary PGA Scottish Region, Stuart McCartney, Chief Reporter of The Daily Star, and our own Jim McKenzie, Head Greenkeeper, Wentworth Golf Club.

Alistair Connell, the section's new chairman for 1992, presented Cecil George with crystal glass on behalf of the section, whilst congratulating him on his recent retirement. Cecil is one of the few characters left in greenkeeping, as anyone who has ever attended any meeting he has chaired will vouch, for not only has he been a

great stalwart of the West Section but also to greenkeeping in general. He has served on the BIGGA Education Committee and quite recently was involved in the organising of the new HNC courses for greenkeepers.

I would point out to you all that despite Cecil's immense involvement in the Association, there is no truth in the rumour that he arrived on Monday morning to give instructions to his assistant for the week ahead and arrived back on Friday evening in the gentlemen's bar to discuss with the committee how difficult the week had been! Cecil did not 'get where he is today' without doing his fair share of hard graft, especially in trying to drain Lenzie over the past 37 years! On behalf of Cecil's many friends exiled in the South, Jim McKenzie presented a further gift to him.

Lectures for greenkeepers and students at Langside College Horticultural Dept. have been arranged as follows:

14th January: Kenny Hunter (Frews Grass Machinery) on Machinery for the Golf Course.

13th February: Robert D Bruce (Stewart & Company) on Turf Manufacture and Production. All lectures will commence at 2.15 pm at Woodburn House, Buchanan Drive, Glasgow.

Drew McKechnie, the new vice-chairman, arranged a games night at Claremont Bowling Club in December, claiming that if successful there is no reason why more of the same cannot be organised in the coming months.

As can be seen from this report, the West Section committee has been working hard on your behalf and ask for nothing more than your unswerving support. Happy New Year to you all.

GORDON KERR

EAST ANGLIA

Our AGM on November 13th at Bury St Edmunds GC 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 officials 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, Bungay GC, Iseki Qualifier. June 3rd, Woodbridge GC. July 6th, Iseki Regional at Chelmsford. August 9-12th, ICI/BIGGA National at Littlestone (accommo-

dation 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 preceded by a lecture on Top Dressing given by Peter Jefford 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 you 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 P Marvel. THIRD: J Wells, C Brook, C Snell and C Asprey. 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

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FULL TIME SPORTSTURF S.N.C. FROM AUGUST 1991

Contact: Mr. Colin Urquhart, Langside College, 50 Prospecthill Road, Glasgow G42 9LB Tel: 041 649 4991

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.

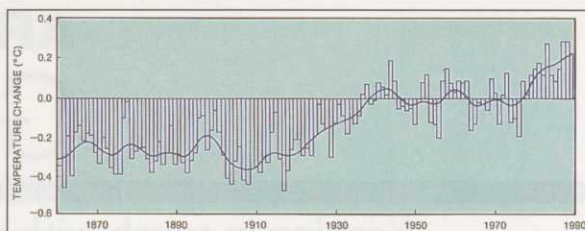


Fig. 1: Annual deviation of global mean temperatures for the period 1861-1989 (shown by bars), relative to the average for 1951-1980.
Source: United Nations Environment Programme Report 1990

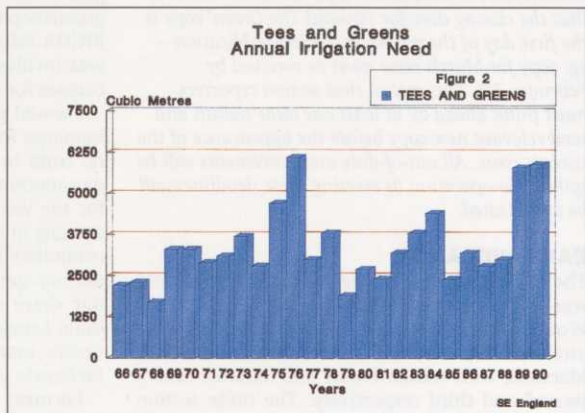


Fig. 2

Assessing irrigation need

Over the past few years a new method of assessing irrigation need has been developed. Put simply, it involves calculating (from weather records) the daily evaporation losses from a turfed surface, this loss then being balanced against daily records of local rainfall. As the 'soil' dries out there will come a point when irrigation is required.

An example of this would be to say that on successive dry days the evaporation losses were 2.5mm, so after three days this moisture deficit would be 7.5mm. Therefore the follow-

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ing day, when the deficit reached 10mm, would be a good time to apply, say, 5mm of irrigation. In short, 5mm of irrigation was applied when the moisture deficit reached 10mm. Now follow this plan in day out for 25 years and you should have a pretty good idea of not only the average water use, but also the water need in hot dry months and seasons.

Luckily our computer does most of these calculations for us, as it is linked directly into the Met Office's computer.

A strategic irrigation plan

A plan similar to the one described above can be formulated for each area of the course, and indeed was formulated for a typical course in the South East of England. For example, applications of 5mm at a moisture deficit of 10mm may be suitable for most tees and greens, but with deeper rooting on surrounds a moisture deficit of 20mm would be reasonable, whilst if fairways have to be irrigated a moisture deficit of 40mm could be allowed before moisture stress became serious.

Esates of seasonal irrigation need

From year to year both evaporation and rainfall rates will vary, with the variation in rainfall being the greater. In SE England, summer rainfall (ie. April to September) has been as low as 185mm (1990) and as high as 500mm (1968).

The effect on the calculated irrigation need is dramatic. Figure 2* shows the total seasonal need over the period from 1966 to 1990. For a long time 1976 stood out as a freak year, with irrigation near double the long term average. However, 1898 and 1990 have cast a new light on the chances of prolonged drought. Whereas not too many people would have planned to cope with such a dry period previously, there is now a more apparent need to cope with a situation which has risen three times in 25 years.

Using typical acreages for tees, greens and fairways, a similar calculation reveals that if fairways are also to be irrigated then the average irrigation need would have been 12,000 cubic metres against the 3,100 cubic metres needed for tees and greens alone. In a dry season the numbers increase to 42,000 and 6,100 cubic metres respectively. In other words, fairways would account for 80 to 90% of the total water need.

* An additional allowance has to be made for wastage due to uneven applications, overlapping and wind drift.

Peak irrigation demand

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, reduction 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.

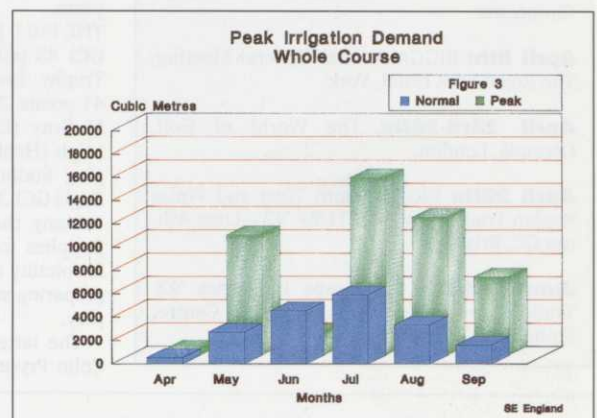


Fig. 3

● The authors are both with ADAS (Agricultural Development and Advisory Service) a division of the Ministry of Agriculture, Fisheries and Food. Ian Barrie is Head of the National AgroMeteorology Unit and David Hemstock is the National Leisure Projects Consultant.

COMING UP

January 14th: STRI North of England Seminar - The Environmental Impact of Golf Course Construction and Management - Askham Bryan College, York.

January 20th-21st: BIGGA Seminar Programme - Harrogate, North Yorkshire.

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.

March 24th-26th: RECMAN (Sports Council) Conference and Exhibition - National Exhibition Centre, Birmingham.

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

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

April 23rd-26th: The World of Golf, Olympia, London.

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.

AROUND THE GREEN

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 had 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 Fudge (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 Pryce and his Terralift for a very informa-

tive 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 virtually nothing to its present lofty heights, was presented with an inscribed crystal vase by Ivor Scoones, who also paid tribute to Bobs' great 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, with David Everett elected to the college committee at Cannington.

FIXTURES 1992: Jan 8th- Cirencester GC, Lecture on Modern Maintenance. Feb 27th- Yeovil GC, Lecture by Huxleys.

March 11th- Stinchcombe GC, Lecture by Ruffords. Apr 13th- Swindon GC, Iseki Qualifier. Apr 29th- LONG ASHTON GC, WESTURF '92. May 27th- Westonbirt GC, Greenkeepers V Amateurs. June 9th- Launceston GC, Match V Secretaries. July 15th- Cotswold Hills GC, Summer Tournament. Sept 17th- Wells GC, Match V South Coast. Dec 10th- Chipping Sodbury GC, Christmas Luncheon.

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 for the meal afterwards - as part of 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 Pierson 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 Mommersteeg and most grateful thanks especially to Abergele & Pensarn GC, who at the eleventh hour took such a greenkeeper invasion!

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 F Cobb. 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-

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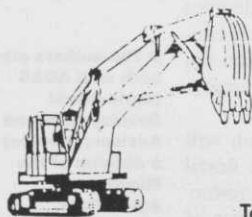


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erously donated prizes.

November 27th was our AGM at Stoke Rochford, where sixteen members attended and the standing committee were returned en bloc. Ideas for next season were discussed and these will be notified to you all later. Our thanks to the Stoke Rochford committee for allowing us the use of their clubhouse. Seasons greetings to you all.

COLIN SWINGLER

BUCKS BERKS & OXON

Hi there, all you fat people stuffed on turkey and Christmas pudding, and no doubt still fighting the effects of one or two 'sherberts' 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 BB&O.

Less of this frivolity, now let's get down to business. Have you bought your tickets for the Gentlemen's Dinner on March 6th yet? If the answer is NO, why not? Remember that the incredibly measly price of £20 also includes 18 holes at Frilford Heath (surely an offer not to be missed?) and I urge you to contact me now (0628 829208) 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 SISIS Trophy - Andrew Thompson, nett 69. Second- John Teixeira, nett 71. Third- Peter Helps, nett 73. The Berkshire Bottle Winner: Mark Hancock. (5 Par 3'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 Sisus, Euroturf, Maxwell Hart, Pattissons, Rigby Taylor, Sta-Brite, Vitax 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 take to their final challenge around 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 Teixeira and Darren Buckley (Hillingdon), the matches being staged over the green course.

The Whiteleaf v Frilford Heath match proved a close affair, with never more than a two holes in it at any time, the match eventually going to 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 were finalists!

The second semi-final was altogether a different story, when an amazing game of golf unfolded. Teixeira 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 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 Teixeira 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 Teixeira 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 ding-donging with the Frilford Heath pair making a fine

AROUND THE GREEN

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 prizes to the worthy runners-up. Credit must first go to Rigby Taylor for generous sponsorship, and to Frilford Heath for their kindness in letting this final be held on their fine course, the superb condition of which is a huge credit to Dave Heads and his staff.

(Editors note - BB&O 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 his story being severely condensed.)

I'm sure you'll 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 our 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 Tydeman 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 impending departure to Royal Portrush and we all 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 well earned applause for all his many years of service to the section. Credit and thanks must go to Southern Soils for their generous donation of £200 toward greenkeeper training.

Some notes for your diary, with a plea for your full support of the following. Jan 15th: Winter Lecture at Walton Heath Artisans Club. Jan 20th-24th: BIGGA Turf Management Exhibition and Seminar Programme at Harrogate.

Please note that future section news and views are now my responsibility (Roger Tideman, 19 Foxearth Rd, Selsdon, S. Croydon. CR2 8EH) and should be passed either to me or D Andrews.

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 Dommert and Joe Turner) were presented by Alan Dommert of Devon Gar-

den Machinery to the following: 1st J Parr and C Rawlings 33 points, 2nd T Pipe and B Summers 29, 3rd J Breyley and N Pring 29.

Following the presentation, members moved to the committee room for the Section AGM, where the chairman opened the meeting and the previous AGM minutes were approved. In his own report, the secretary thanked members who attended meetings over the year, indicating that without such support the section would be the poorer. A special mention went to Bill and John Mitchell, who have worked so hard over the year in promoting the Association in Cornwall. Turning to regional fronts, the secretary congratulated Gordon Child and the regional board, for with their success at WESTURF they have been able to put funds back into the region for education. This followed with a financial report and presentation, duly passed by the membership.

In his own report, the chairman congratulated the Iseki team for winning the team trophy, whilst on the education front he congratulated Terry Farkins on being the first member from the section to represent the region in the TORO/PGA European Tour Student greenkeeper awards. In summary, the chairman asked members to play with different partners whenever possible - this to give encouragement to new members and engender the feeling of being part of the section more quickly.

Following the chairmen report, the following were elected to office: Don Hunt, president. John Palfrey, vice president and Jeff Mills as vice chairman. There being no other business, the meeting closed. May I wish you all a Happy New Year, with the hope that I shall be seeing you all during the coming season.

RICHARD WHYMAN

MIDLANDS

On October 31st the Midlands section defeated their old rivals, the East Midlands, in a Rigby Taylor Match played at Coxmoor Park. The match was played in good spirit and we thank the East Midlands section for a most enjoyable day. Of course, none of this would be possible without the support of Steve Blakeman and Rigby Taylor and we thank them most sincerely and look forward to a repeat performance in 1992. Needless to say, our thanks also to Coxmoor Park GC for most generously granting the use of course and clubhouse, all presented in excellent condition.

The section send congratulations to Mr and Mrs Mike Hughes on the birth of their new baby daughter, with the hope that both mother and baby are well. Finally, may I wish you all a happy New Year.

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 Competition was held at Wortley GC, where an excellent turn-out of 40 players battled away over a thirteen hole Stableford, with the principal prize winners being: 1st D Chappel (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, ha! ha! The putting competition was again won by I Lilley, 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

playing conditions. Additionally, to the trade members for donations to the prize table and especially to B Booth of Rigby Taylor for the excellent crystal glasses etc. At this point we must give an extra special mention to the catering staff at Wortley GC, who did us so proud with a six course dinner, so thoroughly enjoyed by all. In fact, the whole day was a complete success in every way!

Golfing dates for 1992: May 11th- Spring Tournament at Wheatley GC, tee-off at 2.00 pm. Sept 7th- Autumn Tournament at Sitwell Park GC, tee-off at 1.30pm.

All this leaves me with just one happy task, that of wishing everyone in the Sheffield section a happy and prosperous New Year.

IAN COLLETT

NORTH SCOTLAND

Our section AGM took place on November 26th at Letham Grange GC, the day starting with a very interesting talk given by a representative from Modern Maintenance Products. Twenty eight hardy souls then played golf in a Chairman V Vice Chairman match over the new course at Letham Grange. Amidst tales of bribery and nobbling, chairman Dougal Duguid accepted defeat and presented Sam Morrison with the trophy, which we sincerely hope will become an annual award. Our thanks to Jim Grainger and his staff at Letham for the condition of the course.

Following a lovely meal the AGM took place, with a main issue being the resignation of Gordon Moir from the secretariat, and of yours truly taking his place! There followed a presentation to Gordon in gratitude for all his hard work, with best wishes extended for his new job at St Andrews. Our competition to send greenkeepers on educational trips resulted in Gordon McKie and George Patterson of Fortrose each winning and receiving a cheque for £150 toward expenses when travelling to the BTME in January. A rousing Scottish New Year to you all.

IAIN MACLEOD

LONDON

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 Arkley GC for allowing us to play on a 'neutral' course. Still more winners in the section include Ted Dickinson of Hatfield & London G&CC, who won at Porters Park during the summer, and Steve Cox of Abridge who took the Autumn Trophy at West Herts.

At present we have two fixtures arranged for 1992, these being at Panshanger and Hatfield & London, with dates to be finalised. The 1991 South East Regional Seminar at Merrist Wood was well attended and I and my greenkeeping team were fortunate to be present and found it of great educational benefit. Environmental topics have really come to the fore at many courses and are a constant source of conversation.

Your committee are still finalising the seminar scheduled for Feb 26th at Aldenham: we'll keep

AROUND THE GREEN

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 team work 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

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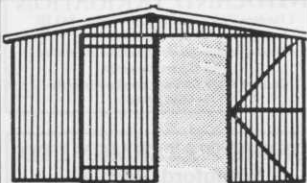
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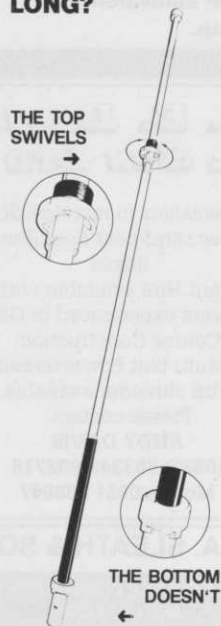
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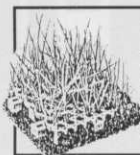
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NORTH MIDDLESEX GOLF CLUB

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 YO6 2NF

COURSE MANAGER



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



Braehead Golf Club

require a

HEAD GREENKEEPER

Applications in writing with full CV to:

The Secretary
 Braehead Golf Club
 Cambus
 Alloa FK10 2NT

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

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.**

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**

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.

Wage by Negotiation. Commence April 1992. Tied accommodation.

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

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**

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**

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**

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.

Position will commence early 1992. No accommodation.

Apply in writing with full CV etc. to:

**The Secretary, Wheatley Golf Club,
Armthorpe Road, Doncaster DN2 5QB**

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AROUND THE GREEN

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 ISEKI 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.

BRUCE BURNELL

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 - Collingtree Leisure
 - Crompton & Royton Golf Club
 - Delapre Golf Complex
 - Ely City Golf Club
 - Gleneagles Hotel
- Goring & Streetley
 - Hags Castle Club
 - Harpenden Golf Club
 - Kinross (Green Hotel)
 - Leek Golf Club
 - Lingfield Park
 - Massereene Golf Club
 - Mere Golf & Country Club
- Milltown Golf Club (Dublin)
 - Muirfield (Gullane) Golf Club
 - Ormonde Fields Golf Club
 - Ponteland Golf Club
 - Royal Ashdown Forest Golf Club
 - Royal Dornoch Golf Club
 - Royal Liverpool Golf Club
 - Rye Golf Club
- St Andrews
 - Slaley Hall G&C Club
 - South Moore Golf Club
 - Tehidy Park Golf Course
 - The Vale Golf & Country Club
 - Washington Moat House
 - Whitecraigs Golf Club



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



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Stand B65 at BTME '92

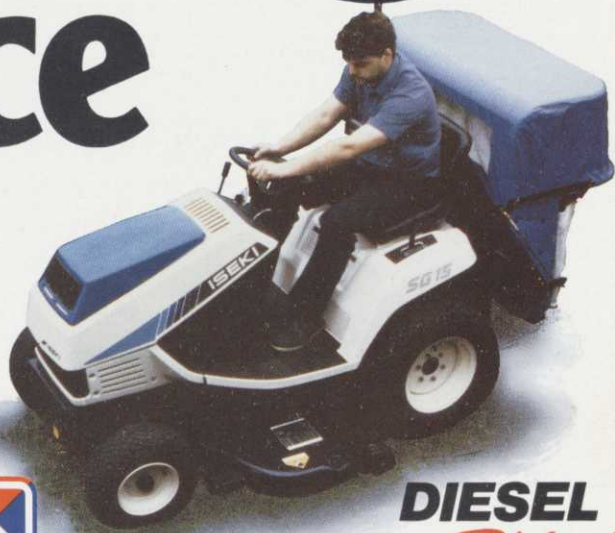
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Iseki UK Ltd, Broadway, Bourn, Cambridge, CB3 7TL. Telephone 0954 718981. Fax 0954 719731.

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