BY SPECIFYING DESIGNER AMENITY GRASS MIXTURES!

Amenity grass mixtures can have a hard time meeting today's tough standards. Not so with the Designer Range. Our mixtures are formulated to provide the best in fine turf surfaces.

All our fine turf and ornamental mixtures contain varieties highly rated by the STRI for their outstanding turf qualities including Center, Cindy and Sefton. For mixtures where a degree of wear tolerance is required, Elka and Elegana are the finest leaved perennial ryegrasses on the market.

So if you want the best surface available then get back on course by investing in a mixture from the Designer Range.

Contact us today for a copy of our comprehensive, full colour catalogue and the name of your nearest Stockist.
Contents

Against all the odds
The North Wales golf course of Nefyn sits uncomfortably close to a tempestuous sea. Chris Boiling reports on the successful efforts employed by the greenstaff to clear up salt water which occasionally pounds the course.

Pages 52-54

Official BTME '95 catalogue
A complete lowdown on the 150 or so exhibitors, speaker profiles, a what's on when guide and all the details you need to help make your visit a complete success.

Pages 23-50

The search for a super grass
If you thought growing grass was complicated, just think how difficult it is for the people breeding the seeds. We examine an industry which works 15 years in advance.

Pages 9-11

Man of the people wins ultimate honour
David Walden used to think the ICI Premier Greenkeeper of the Year award was for young greenkeepers working on posh private courses. Not any more.

Pages 16-17

Regular features

BIGGA in focus
Neil Thomas looks back on a year of growth for BIGGA and discusses ways in which the Association can continue to move forward.

Pages 6-7

Letters
A plea for help to reduce golf course hazards... a day to remember... some excellent opportunies and, what's this, a caring consultant.

Pages 5, 7, 51

Cover
David Walden, ICI Premier Greenkeeper of the Year.
Picture: Tim Moat

FREE READER REPLY SERVICE
Use the post-paid Reader Reply Card facing Page 70 for further information on the products and services advertised in this issue. Just state the companies' reference numbers, post the card to us and we will arrange for further information to be sent to you direct.

ADVERTISERS' INDEX
a quick reference guide

WIN £50 CASH IN OUR BUYER'S GUIDE COMPETITION: TURN TO PAGE 60

GREENKEEPER INTERNATIONAL
January 1995

There's just one last chance to pre-register for BTME: you could win a prize! See the post-paid card in this issue

Greenkeeper Education and Development Fund

The Fund provides the key to the future for greenkeeper, golf club and game. Individuals and companies can join the Golden Key Circle and Silver Key Circle. For details, contact BIGGA on 01347 838581.

GOLDEN KEY CIRCLE COMPANY MEMBERS:
- Amenity Technology • ET Breakwell Ltd • Hardi Ltd
- Hayters PLC • Jacobsen • Kubota UK Ltd • Lely UK Ltd
- Ransomes • Rhône Pouenc • Rigby Taylor Ltd
- Toro Irrigation • Zeneca Professional Products

SILVER KEY CIRCLE COMPANY MEMBERS:
- Fenchurch • Risboro' Turf • Sisis

During 1994 advertising in Greenkeeper International has been instrumental for the successful launch of three new products:
- SION PRICE, Product Manager, Rhône-Pouenc Environmental Products

For more details call:
Bill Lynch on 0191 413 7218, or Carol Dutton at BIGGA HQ on 01347 838581.
A year in the life of...

I t is traditional at this time of year both to review the past 12 months and look forward in anticipation to a new year. For BIGGA 1994 was unquestionably a year of growth and development and financially this will be reflected in the Board of Management’s Report and Accounts to be presented to the forthcoming Annual General Meeting.

In membership terms we now have over 5,500 members – an impressive figure but still some way off realising the full potential. A year of growth and development is clearly needed and financially this will be a year of growth and development.

As this magazine reaches you, many will be anticipating the visit to Harrogate for the BTME. A great week lies in store with the three exhibition halls sold out and indeed a waiting list situation. The intensive educational programmes available over five days are testimony to our ability to attract international as well as widely regarded home-based speakers. Already we are planning ahead to BTME ‘96 when it is likely that we will need to move into a fourth exhibition hall. The development of BIGGA’s own show since 1989 has been dramatic. From a personal viewpoint, my greatest pleasure in BTME week is to appreciate how much it means to our members as a focal point of their year and now, for many, an annual pilgrimage where old friendships are renewed and new ones forged. Long may it continue and your staff will spare no effort to ensure that the BTME continues to move forward with added strength and popularity.

Some brief thoughts therefore on membership, education, magazine and exhibition. Whilst one is justified in being upbeat on these important aspects of your Association as we enter 1995, there is a need always to be one step ahead in a competitive world governed by commercial realities. Mindful of this your Board was given the go-ahead at the 1994 AGM to undertake a review of the Association’s activities and an initial draft report ‘Towards 2000’ has been compiled and been given initial consideration at the first meeting of the Review Body which was held in early December. There remains considerable work to be undertaken before the final report is submitted for approval to the 1996 AGM. Members should note the composition of the Review Body and any proposals or suggestions for consideration will be welcomed by any Review Body member.

Review Body Membership
Chairman – Barry Heaney, Vice-Chairman, BIGGA
Harry Diamond, Scottish Region
Richard Barker, Midland Region
Clive Osgood, South East Region
Gordon Child, South West Region
Ian Holoran, Northern Region
Neil Thomas, Executive Director
John Pemberton, Administration Manager

Ken Richardson Education Officer
Bill Lynch, Sales and Marketing Manager

At the conclusion of the review process we should be able to put in place an infrastructure which will serve the Association’s needs beyond the millennium and which, through the Review Body, can be regularly monitored to ensure its continued viability and effectiveness.

In the January 1994 issue of Greenkeeper International, I wrote of the need in 1994 for staff at headquarters to have more direct contact at “grass roots” level and that during the year the senior management team would seek to spend more of its time “out in the country” communicating directly with greenkeepers at all levels. This has certainly happened and staff have received a positive response on their visits to all parts of the country. Proposals and suggestions generated in discussion can now be assessed, prioritised and taken forward. Perhaps the overriding concern at present is for localised management training and this is now being developed for 1995/96. We at headquarters will seek to maintain and widen our contacts with members but please let us know your views. It is your Association and its ultimate development depends on your input – an input needed from the silent majority as well as the committed minority. The welfare of the greenkeeper in all its aspects lies at the heart of this Association but your help is needed in determining how best this can be improved, maintained and enhanced.

Sisis joins growing list of Education and Development Fund supporters

Sisis is the latest company to back BIGGA’s Education and Development Fund. This brings to four the number of new companies already in Golden or Silver Key membership for 1995.

Commenting on Sisis’ decision to take up Silver Key membership, BIGGA’s executive director, Neil Thomas, commented: “BIGGA members are very much aware of the support Sisis has traditionally given to our Regions and Sections. The company’s decision to additionally take out Silver Key membership is greatly appreciated and the backing of such a well-respected company gives added strength to the Education and Development Fund”.

Sisis’ membership brings to 15 the number of companies in either Golden or Silver Key membership.
BTME success assured as rival show attempts to gain ground

The BIGGA Turf Management Exhibition (BTME) is set to break all records. A record 146 exhibitors will be at the Harrogate International Centre this month. A record number of visitors are expected following BIGGA's biggest promotion campaign, which included page advertisements in all the major turf magazines and direct-mailing more than 6,500 people in the golf industry. And a record number of international visitors have already signalled their intent to come to Europe's premier turf industry. And a record number of international visitors have already signalled their intent to come to Europe's premier turf management show.

By early December BIGGA's offices at Aldwark Manor had received 23% more pre-registration cards than at the same time last year and 14% of them came from overseas. And this commitment from international visitors was before BIGGA sent out invitations to over 2,500 golf clubs and golf-related businesses on the Continent.

Bookings have also been flooding in for the National Education Conference - with a record attendance anticipated for the event, held in conjunction with BTME for the first time.

Bigger and better

"Every year the show gets bigger and better, and this year's success couldn't come at a better time for the Association," said Bill Lynch, BIGGA's marketing manager, referring to the launch of a rival show by P&O events.

The Landscape and Turf professional '96 show is scheduled for Olympia, London, a week before the '96 BTME. Whether it will actually happen is still the subject of much debate.

P&O have fuelled much of the confusion themselves by writing to potential exhibitors claiming that ten "industry leaders" have been "securing space to ensure our leading position," he said.

The Agricultural Engineers Association had originally approached P&O Events with the idea of an "umbrella" show because its members felt there were too many shows. With the Institute of Groundsmanship and BIGGA declining to come on board with P&O, all the AEA has achieved is the introduction of a possible new show - but with the profits going outside the industry.

 Asked what they will do in January '96, many of the industry leaders echoed Alec McKee's words: "God knows, we can't afford to be at both shows." However, he added: "We want to be where our customers are."

Judging by the response to BTME '95, it looks as if a large percentage of those will be in Harrogate in 1996.

"It takes a long time to get to this stage," said Lynch. "It would be a brave managing director who would walk away from a successful show, a show he had helped make successful, for an unknown event. Especially an event based on research which involved only 406 individuals and 292 companies, most of whom, in any case, said their preferred location was the Midlands, not London."

BIGGA and IoG set up initiative to promote BTME and SALTEX

BIGGA and the Institute of Groundsmanship (IoG) are forming a cooperative marketing alliance to promote their respective trade shows - BTME (BIGGA Turf Management Exhibition) and SALTEX (Sports, Amenities & Landscaping Trades Exhibition).

According to BIGGA chairman John Millen and IoG chairman Ian Beaney, the two events are complementary. A joint statement issued by them to the trade states: "BTME is a springtime, indoor, golf-related event with a strong educational focus. SALTEX is an outdoor autumn event with strong demonstration features and a broad profile."

The two shows share many common exhibitors and the new cooperative plans may include aiding companies that participate at both events. Both organisations feel that the two events, at separate ends of the year and in different parts of the country, offer a logical and effective combined exhibition programme that serves the needs of the UK industry and the broader European market.

Details of the joint activities are still being worked out, but could include joint educational programmes, incentive pricing for companies exhibiting at both shows and cross promotion to further improve attendance for both shows, especially international visitors.

According to Millen: "It's a duty of professional organisations like BIGGA and the IoG to make some sense of the crowded exhibition calendar in the outdoor sports and amenities markets. Suppliers must be sure of real value for money and that members of both organisations will benefit from two strong shows."

Ian Beaney feels that the new alliance "has the good old fashioned virtue of common sense. Suppliers and users don't want professional bodies slugging it out for cash. They want professional events that work and organisers that respect the value of their business."

One of the first companies to respond to this initiative is Amenity Technology which exhibits at both events. Managing director Carl Crome said: "The idea of having the BTME in Harrogate in January coupled with Saltex in Windsor in September is perfect, covering the north and south of the country. There is no need to have an additional show in London. Also, I don't see why people outside the industry should benefit. Any profits that are obtained by the show organisers should be put back into the industry for the education of greenkeepers and groundsmen - as BIGGA and the IoG do."

BTME will be held from January 25-27 at the Harrogate International Centre with the 1996 dates set for January 24-26. SALTEX '95 will be held at the Royal Windsor Racecourse from September 5-7.

GREENKEEPER INTERNATIONAL January 1995 5
It’s one small step away

Touch down soon at the indoor show of the year

We’re now only days away from the BIGGA Turf Maintenance Exhibition 1995. You will have had to have been on another planet to miss the build-up over the last few months. But if you’re still not sure whether or not to attend, turn to Pages 25-50 of this magazine and be convinced. BTME ’95 is for YOU. Be there!

Education space filling up fast • Exhibition space SOLD OUT

BIGGA National Education Conference: January 23–24, 1995
BTME and Educational Seminar Programme: January 25–27, 1995

TO PRE-REGISTER, COMPLETE AND RETURN THE CARD FACING PAGE 70 OR CALL THE BTME HOTLINE ON 0347 838581

Pre-registering enters you in a free competition with prizes worth £200. It also ensures quick and easy entry into the event. Your badge and full information will be sent to you. TO PRE-REGISTER YOU MUST POST THE CARD BY JANUARY 17!

Ask for more details

For comprehensive information of all that’s going on, telephone 0547 838581 and ask to speak to Ken Richardson, BIGGA’s education officer. He’ll answer all your questions and send you a copy of “The Learning Experience”.

Event organisers are the British and International Golf Greenkeepers Association, Aldwark Manor, Aldwark, Alne, York YO6 2NF. You can also request a copy of “The Learning Experience” by fax: 0547 858864.
Manager appointed as preparation work starts at college golf course

John Quinn, pictured, has been appointed manager of the new 18-hole course planned at Elmwood College in Cupar, Fife. John, 29, was previously employed as head greenkeeper at Alva Golf Club, Alva, Clackmannanshire.

Construction of the Elmwood course is likely to begin in March. The course, which will provide realistic conditions for training students, is designed by John Salvesen and offers an exciting prospect for Quinn. John is no stranger to Elmwood College, being both a past and present student there himself. He is currently awaiting confirmation of his Master Greenkeeper Certificate, stage one status, and is also studying part-time for his HND in golf course management.

Students take the initiative

Students from the world's first HND in golf course management - run at Cannington College in Somerset - have taken the initiative and started marketing themselves before they hit the job market in April.

The students, who will graduate after three years' full-time training, are the first to complete the HND, initiated by BIGGA over three years ago.

But when they contacted golf clubs to introduce themselves, they discovered that few really understood the new HND course and qualification.

Said student George Simpson: "Because this is a new qualification, the golf course industry does not yet know how it fits into the usual framework of jobs. We would like to see the qualification explained to potential employers."

 Fellow student Graham Martin added: "While this HND is a highly specialised course in golf course management, we don't expect to enter the industry at a very high level. We acknowledge that we need to gain experience before taking on senior positions."

Three of the students have previous greenkeeping experience and are taking the HND to further their careers. In total, 15 students are due to graduate in April, following a training which includes two work placements totalling 10 months' work experience. Graham and another student, Chris Jack, worked in the Forest of Arden during the Murphy's English Open, while George worked at Gleneagles during the Scottish Open.

The HND course covers all aspects of golf course management including architecture, construction, greenkeeping, course management, consultancy and agronomy.

Students from the world's first HND in golf course management and the Carnoustie Golf Links Award.

Part-time students who received prizes for the SCOTVEC National Certificate in Greenkeeping and also the BIGGA (Scottish Region) Awards were Robert Whiting, employed by Royal Cromer Golf Club (1st year) and David Williams, employed by Westworth Golf Club (2nd year). Third year student Kenneth McManamon of Kildare Hotel & Country Club, Co Kildare, also received the Gleneagles Challenge Trophy.

Distance learning student David Ashley, of Great Barr Golf Club, Birmingham, was presented with the prize for the SCOTVEC National Certificate in Greenkeeping Supervision (Distance Learning).

Pictured: Professor Donald MacKay, chairman of Scottish Enterprise, and Carol Borthwick, CEO of Scottish Enterprise, and Carol Borthwick, CEO of Scottish Enterprise, with the prize winners from the greenkeeping section.

FLYING DIVOTS

Construction of the North Weald Golf Club, an 18-hole David Williams-designed course just north on the M25 in Hertfordshire, has resumed. "Originally the course formed part of the ill-fated Compton Holdings development and although work had started nearly two years ago this proved to be a hindrance rather than a help," according to constructors Whitnell Contracts. The course will have a number of water features and two lakes when construction is completed and seeding takes place late spring.

A new £740,000 production facility for Terralift Fertilisers came on line last month. The facility, built in Co Monaghan, Ireland, has a capacity of 10,000 tonne per annum and will predominantly service the company's European distribution centres, including those in Glasgow and Peterborough. New products being launched at Harrogate this month include Greens Start 111 which has been developed to promote early colour and growth in fine turf, and Humiboost Fine Turf Liquor - a foliar spray finely tuned to an individual course with a tissue analysis.

Sign and plaque maker CB Designs International Ltd is so confident about a new form of fixing that the Rickmansworth-based company says it will replace any tee plaques that are stolen within three years of purchase free of charge. Tel: 0923 897160

Richard Aitkens of Glasgow is H Pattisson & Co Ltd's UK Distributor of the Year. SBS of France is the European Distributor of the Year.

Johnson Seeds is centralising its entire operations at its Boston headquarters, closing its branches at Woodley near Reading and Haydock. Johnsons says it has invested heavily in computerisation and upgrading production at Boston so there is no longer a requirement to retain the two branches, which were opened in the 1960s.

Students take the initiative

Students from the world's first HND in golf course management - run at Cannington College in Somerset - have taken the initiative and started marketing themselves before they hit the job market in April.

The students, who will graduate after three years' full-time training, are the first to complete the HND, initiated by BIGGA over three years ago.

But when they contacted golf clubs to introduce themselves, they discovered that few really understood the new HND course and qualification.

Said student George Simpson: "Because this is a new qualification, the golf course industry does not yet know how it fits into the usual framework of jobs. We would like to see the qualification explained to potential employers."

 Fellow student Graham Martin added: "While this HND is a highly specialised course in golf course management, we don't expect to enter the industry at a very high level. We acknowledge that we need to gain experience before taking on senior positions."

Three of the students have previous greenkeeping experience and are taking the HND to further their careers. In total, 15 students are due to graduate in April, following a training which includes two work placements totalling 10 months' work experience. Graham and another student, Chris Jack, worked in the Forest of Arden during the Murphy's English Open, while George worked at Gleneagles during the Scottish Open.

The HND course covers all aspects of golf course management including architecture, construction, greenkeeping, course management, consultancy and agronomy.

FLYING DIVOTS

Construction of the North Weald Golf Club, an 18-hole David Williams-designed course just north on the M25 in Hertfordshire, has resumed. "Originally the course formed part of the ill-fated Compton Holdings development and although work had started nearly two years ago this proved to be a hindrance rather than a help," according to constructors Whitnell Contracts. The course will have a number of water features and two lakes when construction is completed and seeding takes place late spring.

A new £740,000 production facility for Terralift Fertilisers came on line last month. The facility, built in Co Monaghan, Ireland, has a capacity of 10,000 tonne per annum and will predominantly service the company's European distribution centres, including those in Glasgow and Peterborough. New products being launched at Harrogate this month include Greens Start 111 which has been developed to promote early colour and growth in fine turf, and Humiboost Fine Turf Liquor - a foliar spray finely tuned to an individual course with a tissue analysis.

Sign and plaque maker CB Designs International Ltd is so confident about a new form of fixing that the Rickmansworth-based company says it will replace any tee plaques that are stolen within three years of purchase free of charge. Tel: 0923 897160

Richard Aitkens of Glasgow is H Pattisson & Co Ltd's UK Distributor of the Year. SBS of France is the European Distributor of the Year.

Johnson Seeds is centralising its entire operations at its Boston headquarters, closing its branches at Woodley near Reading and Haydock. Johnsons says it has invested heavily in computerisation and upgrading production at Boston so there is no longer a requirement to retain the two branches, which were opened in the 1960s.

GOLD COURSE MANAGEMENT AND THE CARNOSTIE GOLF LINKS AWARD

Part-time students who received prizes for the SCOTVEC National Certificate in Greenkeeping and also the BIGGA (Scottish Region) Awards were Robert Whiting, employed by Royal Cromer Golf Club (1st year) and David Williams, employed by Westworth Golf Club (2nd year). Third year student Kenneth McManamon of Kildare Hotel & Country Club, Co Kildare, also received the Gleneagles Challenge Trophy.

Distance learning student David Ashley, of Great Barr Golf Club, Birmingham, was presented with the prize for the SCOTVEC National Certificate in Greenkeeping Supervision (Distance Learning).

Pictured: Professor Donald MacKay, chairman of Scottish Enterprise, and Carol Borthwick, CEO of Scottish Enterprise, with the prize winners from the greenkeeping section.
Gypronit: an exciting new mini-granular turf fertiliser supplying good levels of sulphur.

Gypronit is equally suitable for fine turf and outfield application on all soil types. In trials, Gypronit refined and encouraged the dominance of finer grasses within the sward.

Research has shown that sulphur can be used to discourage Poa annua, suppress earthworm activity and harden the turf against fungal diseases.

Roffey Brothers Ltd
Throop Road, Throop,
Bournemouth BH8 0DF
Tel: 01202 537777 Fax: 01202 532765

Festive puzzle solution
This is the solution to last month’s Christmas puzzle. The deadline for entries was extended until January to allow for expected postal delays and so the winner will be announced in next month’s Greenkeeper International.
If you thought growing grass was a complicated business, think how hard it is for the people breeding the seeds. They have to think what greenkeepers will want in 15 years’ time...

In an ideal world there would be one type of grass – super grass. This grass would suit every application and climate. It would cope with close mowing. It would be resistant to all diseases. It would be as at home on front lawns and football pitches as golf greens. And it would taste nice (at least to cows and sheep).

But grass is used for so many different purposes that breeders have given up searching for one super grass and are constantly trying to improve grasses for specific purposes. This search is carried out throughout the world... and it could lead a breeder to your golf course. Old British golf courses are a great source of excellent grasses because they're used to close mowing and heavy traffic.

Barenbrug’s Barkoel (Koeleria macrantha), launched last year after extensive trials in Scandinavia, New Zealand, France, Germany, Switzerland, Holland, the USA and the UK, is one example of this.

“The original breeding stock for Barkoel was located by chance on an old British golf course,” says Michel Mulder, Barenbrug UK’s managing director. “Despite drought conditions and infertile soil, certain very attractive green grassplants were found to be thriving whilst others suffered.

“This highly successful species was crested hair-grass, a grassplant common to many dry and sandy areas. A major programme of breeding and development followed, finally resulting in the uniform and stable variety of Barkoel, which was registered on the STRI list in 1994.”

Between the first find and the launch, 21 years elapsed. Normally the process of developing a new variety takes 10-15 years and the quickest it’s been done is about eight years.

Barenbrug’s breeders make a collection of new material each year. The crested hair-grass was collected in 1973 from a course which Barenbrug want to keep secret. “When you collect on old golf courses you can collect material which is already used under good conditions,” points out Gerard van’t Klooster, head breeder at the Dutch company’s main research centre. “The collection was made for more normal amenity grass species like red fescue and bent grasses, but the Koeleria looked very good and was also taken away.”

Back in Holland the grassplant was split in three and planted in a turf trial the next year. Its performance was “very good”, so the breeder decided to harvest seed from the best plants. He split the good clones again and planted these in small plots in a field. The trial plots are separated by rye, which prevents cross-fertilisation.

Harvesting the seed from grasses takes at least a year – you have to plant in the late spring to have a harvest the next summer.

The year after the harvest the new selection was used in another turf trial and the performance was monitored for three years.

Before a new variety can be released on the market, the breeders have to make sure that the fifth generation is the same as the first.

The tests, which included using a wear machine and close mowing, showed that Barkoel was excellent under short mowing without irrigation and without fertiliser. Mr Mulder says: “It provides an extremely dense turf, and very fine leaves which maintain an attractive green colour under the worst conditions. It has outstanding drought tolerance and remarkable disease resistance and can withstand very close mowing (under 2cm).”

In 1987 Barenbrug applied for Plant Variety Protection in the USA and in 1990 they made...
The search for a super grass...

The application in Holland. On May 4, 1994, Barenbrug was granted the plant breeder's rights (a bit like a patent) for Barkoel, the first time these have been granted for a variety in that species. Intensive testing has shown that Barkoel is best suited for fairways and semi-rough when used with other species, such as red fescue and brown top bents. It has also been tested on greens at the STRI's base at Bingley and at the Bristol and Clifton Golf Club, where former head greenkeeper Huw Parry says, "It came up well."

But as companies like Barenbrug produce more and more turfgrass cultivars—and they have 610 varieties in their 'Fort Knox' in Holland—the already difficult task of choosing the correct cultivar for a particular project becomes harder. One tip, though, that most seed companies agree on is: don't buy on price alone; in the long run it will pay to buy good quality seed. Poor varieties offer no persistence under continuous wear, will require constant mowing, and be more susceptible to disease.

When you know how long it takes to breed a new variety and what goes into it, and you realise that after years of cross-fertilisation, testing and multiplying only a very small percentage of new grass varieties reach the stage of marketing, you wonder how they can produce a 25kg bag of greens mix for £150.

Choosing seed mixture for a new course

The cost of grass seed for a new course never amounts to more than one or two per cent of the total cost of construction, and yet often the seed is judged purely on price rather than quality. When considering what type of mixture to sow, probably the most important factor is the choice of cultivar and the percentage of each variety needed to achieve the best results. The buyer has to identify the quality of turf he is looking for and then obtain a good balance of varieties that blend together to give a hard-wearing and close-knit sward.

Jonathan Franks of British Seed Houses advises new golf courses to consider all the...
Rigby Taylor product guides are designed to help you, the professional, do your job more effectively at minimum cost. On every page you will find reliable, technical information compiled by specialists on all the latest formulations with application rates and performance factors together with advice and help on current legislation with even a section on useful contacts and measurement/conversion tables.

Keep up to date with the developments and changes continually taking place throughout the industry - and join our book club today.

Rigby Taylor Limited
Rigby Taylor House, Garside Street, Bolton, Lancs. BL1 4AE

<table>
<thead>
<tr>
<th>Position</th>
<th>Club/Academy</th>
<th>Address</th>
<th>Postcode</th>
<th>Tel no</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 1 Fertilizers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 2 Soil Conditioners, Composts and Top Dressings, Grass Seeds and Turf</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 3 Pesticides</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 4 Rigby Taylor Sports Equipment &amp; Golf Course Furniture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bowling Green Maintenance Guide</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FREE 0800 424 919

Please contact me regarding your new guides (please tick as appropriate).

See us on Stand A23 at BTME

---

A GROWING FORCE IN LEISURE

Rigby Taylor

Join our book club!
The search for a Super Grass

options:
"The first consideration should be soil type. When putting forward a specification, I always like to visit the site, and get a feel for the course. I can also obtain a soil analysis where necessary," he states.

"The next question to ask is about the type of course being planned - will it be a private course with limited membership, or a pay-as-you-play public course, where harder wear is anticipated, in which case a ryegrass-based mixture may be more appropriate?"

"Environmental considerations are also very important. In all cases, the relevant local authority, as well as environmental groups, will be keen to see native wild flora and grasses sown, in the roughs and areas surrounding the course."

"Most course managers and greenkeepers want a good, strong rooting, close-knit sward that is quick to establish, and able to withstand likely wear in both the summer and winter seasons."

He says a typical fine turf mix for golf greens would contain between 70 and 80 per cent fescues, and 20 to 30 per cent browntop bent grasses, depending on such variables as soil and climatic conditions, the amount of likely use and wear, and type of course being planned.

The fescue content of the mix can be made up of chewings fescue, with a proportion of slender creeping red fescue to help give a good coverage. A blend of two bent grasses can be included, to encourage better all year round performance.

The top-rated cultivars of both fescue types will withstand close mowing at 5mm on greens; mixing them combines the greater drought tolerance of the slender creeping red fescue with the greater disease resistance of the chewings fescue.

For golf tees and fairways, the slender creeping red fescue content can be increased, and the bent grass content reduced accordingly, to provide a more hard-wearing sward that will recover quickly from damage caused by divots or heavy traffic.

"Seed mixtures have several advantages over individual cultivars as long as they are carefully selected, and can be blended to provide everything the course requires, from a smooth putting surface to an even fairway," adds Jonathan.

One of the newest golf courses currently undergoing the final stages of construction in the south-east of England is Duke's Dene Golf Club, at Haliloo Valley, Woldingham in Surrey.

Set in an attractive valley covering around 160 acres of chalky North Downs farmland close to the M25 corridor, Duke's Dene is the first golf course development in Europe by the Japanese company Mizno-Gumi Co.

The architects are David Snead and Bradford Benz of California-based Bradford Benz Golf Course Architects. Of over 100 golf courses they have designed around the world, this is their first course in the UK.

The planned 18-hole, par 71 championship course of 6417 yards was entirely sown from June onwards by landscape and golf course contractors Brian D Pierson of Wimborne, Dorset, using two special British Seed Houses mixtures, one for the greens, and one for the tees and fairways.

These were based on blends of chewings fescues, slender creeping red fescues, and browntop bent grasses, and were accepted by the architects as the best option to provide the fine grass types required by a championship course, and to blend in with the existing natural environment.

Newly-appointed course manager Robert Brewer, who was previously assistant course manager at Sunningdale, has been impressed with the look of the new course in the short time since his appointment in early September.

His is a unique view, too - he holds a pilot's licence, and was able to take his own aerial photographs of the whole course soon after he started work.

"The greens germinated within two weeks, and good coverage was achieved within six to eight weeks," he says.

"The tees were quick to establish, too. Our only problem has been the fairways, but that's been due to irrigation problems and the dry summer - now solved by our new underground reservoirs."

"Quick establishment on the greens means we have been able to prevent the spread of Poa annua. On the fairways, regular mowing means the grass is now beating down the natural weed population.

"We've had to spray a selective herbicide on all the fairways, and we will be reseeding specific areas in the spring, but otherwise it all looks fine.

"Basically I want grass that will help the ball sit up well on the fairways, and be hard wearing enough to cope with trolleys and other heavy wear. On the greens, it has to withstand regular mowing and give a good, true putting surface - simple, really!"

There are also plans to sow an area of wildflowers, close to the 8th and 17th tees, again using a British Seed Houses wild flower seed mixture. This is designed to help preserve and enhance the natural landscape, particularly those areas which had to be cultivated during the ground preparation phase.

"We have adopted a deliberate policy on the valley sides to leave the natural vegetation intact, including a good percentage of the existing wild flora," says Robert Brewer.

"We will also be planting around 2500 trees and shrubs, as well as 10 mature trees over the winter. Once this has all been done, we will have a much better picture of what the course will look like when we open for business in June."

Dr David Patterson, a turfgrass breeder at the Northern Ireland Horticultural and Plant Breeding Station, will be talking about plant and grass breeding in a seminar at BTME on January 26, 11.30-12.00.

Sky high: Robert Brewer's unique view of his course

January 26, 11.30-12.00.
FORD SERIES 20 TRACTORS
MORE COMPACT, MORE VERSATILE

• 17 to 41 hp range
• Wide range of groundspeeds
• Robust, easy to operate transmission
What do the 'Dances With Wolves' film set, the River Plate Stadium in Buenos Aires and the Weston Hills Country Club golf course in Florida, home of the Honda Classic, have in common? They all use Green Lawner turf paint.

Turf paints, of course, are not new to the turf industry. Recently, however, improvements in the quality, durability and economics have made turf paint use more consistent and reliable. And with golf club members, influenced by the lush courses they see on TV, demanding a uniform green colour all year, despite our climate, more and more greenkeepers have started looking at turf paint to keep golfers quiet. Turf paints can also be used to cover up scars caused by oil and fuel spillages, disease, drought or heavy use.

Agronomically, turf paints are not harmful to the turf (unlike ordinary paint which has additives that can destroy grass). Turf paints are specially developed coloured latex coatings, with the better brands formulated to allow water and air to pass freely through the colour coating and not affect the turf vigour. A superior turf paint will also bond onto the grass itself and not wear or rub off onto clothing or skin, even when used on a high traffic area.

Green Lawner, made in the United States by Becker-Underwood, is the brand leader in this area. Many greenkeepers are also adding it to their divot mix since unrepaired divots can detract from well maintained turf.

This product is one of the diverse range of products distributed in the UK by Reading-based Amenity Technology, a new golden key member of BIGGA's Education and Development Fund.

"Painting turf will never be an alternative to good horticultural management and fertility programmes," says Carl Crome, Amenity Technology's managing director. "However, in certain situations when green turf is a must and difficult to achieve, a high quality turf paint is a solution which must be considered."

Adapted for Europe

Amenity Technology was set up in 1993 by Crome, ex-Rigby Taylor, EnviroGreen and Maxwell Hart. His aim was simple: to make available to British and European greenkeepers products that weren't already available to them as they strove to enhance the appearance of their courses and improve playing surfaces. He would do this by (a) importing some of the best products from places like the United States, Canada and Sweden and (b) by having 'European versions' of other useful products manufactured here.

As well as making greens greener, Amenity Technology can also make water bluer. Amenity Technology is also distributing Becker-Underwood's Lake Colorant Water Soluble Packets, a highly concentrated blend of dry-flowable colourants that have undergone strict environmental testing at an independent laboratory. The water can still be used for other purposes such as irrigation without discoloring turf, concrete or other surfaces.

Another Becker-Underwood product that is also available in convenient water soluble packets is Define, a drift control adjuvant designed to keep fertiliser and pesticide sprays "on the mark". Define was developed in the USA to help reduce spray drift while crop-spraying from planes, an activity which has been outlawed in the UK. But if it can help prevent chemical trespass when it's being used by aerial equipment, it...
should work even more effectively on the ground. It works by standardising the droplet size.

An example of a UK product being distributed by Amenity Technology is Turfex Traditional, which is being relaunched at BTME this month. Manufactured and developed by Service Chemicals, the Daventry-based company behind Turfex, this concentrated wetting and penetrating agent has been specially formulated for use on all types of turfgrass suffering from dry patch, drought stress, compaction and surface flooding.

To complement this product, Amenity Technology, which operates through a network of well-known local dealers, has Go Green which combines all the benefits of concentrated liquid iron for green-up with a wetting agent. Another complementary product is the Spraywet wetting agent tablets, with each 250 gram tablet capable of treating 6-7 average size greens with a normal water pressure of 60-90 psi.

A new Service Chemicals product is Sward, a blend of polyalkoxylate surfactants for use with selective herbicides, molluscicides, fungicides, earthworm control products, insecticides and growth retardants. Whilst adjuvants (materials which on their own have no pesticidal activity themselves) have been available in agriculture for many years, these materials are new to the amenity turfgrass market.

From Canada, Amenity Technology brings the Bayco range of golf course accessories. These include ball washers, flags, rakes, ball retrievers, tee markers and signs.

Other products on their books include Scuttle, a non-hazardous rabbit and deer repellent suitable for protecting turf and trees, the US Golf Hole Target ("which is ideal for putting greens as it prevents erosion and desiccation of the soil around the top of the hole") and the DTC-3 Spray Tank Cleaner which has been specially formulated for pesticide spray tanks.

"These products do not just make the greenkeeper's life easier, they enable him to maintain the course to a high standard as levels of play increase towards the year 2000. In fact, the need for half the products greenkeepers currently use - eg the expensive use of fungicides - and most of the products we sell, is a direct result of the increase in the amount of play on courses. The grasses now are under much more stress than when I entered this industry 18 years ago. So there is far more need now for more unique products, such as turf paint because grass has been damaged under stress or vandalised," says 38-year-old Crome.

"The greenkeeper is under a lot more pressure to maintain a surface with a lot less available time to do the job. Therefore there is a need for these kind of products to be used to enhance courses. Also, greenkeepers are under more pressure to present a course well as the appearance of the course is becoming as important as the playing surfaces."

The future today
Amenity Technology markets these products under the slogan "The Future Today", so we asked Carl how he sees the future of greenkeeping.

"I see greenkeeping becoming more and more of a profession. I see the management of golf courses becoming more professional with greenkeepers given realistic budgets and using computers as much as greens machines. I see greenkeepers having offices instead of sheds, and becoming as highly regarded as course superintendents in the United States. I see education levels going up and as these go up the professionalism of the whole industry will increase. I also see more and more specialist products for solving one problem rather than one product that solves everything."

He also sees the use of pesticides being severely restricted over the next decade. "The products we distribute strengthen the grass against the problems which require pesticides to solve them, such as Go Green which will give an effective degree of preventive control against fungus attack or Turfex Traditional which assists dew dispersal, thus restricting disease development."

Amenity Technology will be launching many of these products - eg Sward, Turfex Traditional plus a new drencher gun and a new liquid fertiliser, Pro Tein - at this month's BTME in Harrogate. Carl believes the future of trade shows lies with BIGGA and the Institute of Groundsmanship, which organises Saltex at Windsor. And he is convinced one 'umbrella' show organised by an outside company, such as P&O Events, would be a mistake. "The idea of having the BTME in Harrogate in January coupled with Saltex in Windsor in September is perfect, covering the north and south of the country. There is no need to have an additional show in London. Also, I don't see why people outside the industry should benefit. Any profits that are obtained by the show organisers should be put back into the industry for the education of greenkeepers and groundsmen - as BIGGA and the IoG do."

Amenity Technology's support for the Association extends beyond exhibiting at Harrogate and advertising in Greenkeeper International. After only two years of trading, it has given £3,000 to BIGGA's Education and Development Fund.

Explaining why he did this, Carl said: "We believe in supporting and educating greenkeepers for the future because as the products we are introducing to the marketplace become more technically advanced the greenkeeper will need to be better educated to maximise the use and the advantages of these new products."
This year’s ICI Premier Greenkeeper of the Year is 50 years old and works on municipal courses – which he is never allowed to close. David Walden scooped the award – and a trip to America – after beating off four other regional winners in the national final at Aldwark Manor.

But he very nearly missed out on this prestigious title. He hadn’t thought about entering the competition, which is now in its fifth year, because he mistakingly thought it was aimed at young greenkeepers working at posh private courses.

"The East of England section hadn’t entered anyone for about three years so the secretary rang me up late one Sunday night and said, ‘Look, someone’s got to go in for it, I’m proposing you to do it.’ I said, ‘OK, put my name forward, I don’t care’," said David, still gobsmacked by his success. "I never thought it would happen to an ordinary greenkeeper. But I’m glad it has because I think that it will change a lot of people’s attitudes towards the competition. I’m sure a lot of people will be thinking now: if he can do it, well I can.”

David persuaded them he was the man for the job. During his eight years as head greenkeeper he helped build a new 18-hole course and a 12-hole pitch and putt course, and was given the title of golf course superintendent. In 1988 the PDC started winding down its operations and putting everything out to tender. Nene Valley Golf Services won the contract and took on all the old staff who wanted to join them.

David kept his title and the responsibility for the two public courses – Thorpe Wood and Orton Meadows. He has also helped build two private courses – 18-hole Elton Furz and nine-hole Eyebury, which opened last spring. All of the 18-hole courses have a staff of five including a head greenkeeper. The nine-hole course operates with two greenkeepers, one of whom, Graeme MacDonald, is the head greenkeeper.

David believes his award is a tribute to his entire team. “I’m only as good as my staff. They’ve done it as much as me because there are some days I can’t get out on the golf course because I’m bogged down with other things, such as keeping up with the latest legislation for this, that and the other.”

But he is still very much a hands-on course manager. He says he has to be: “Everybody’s on 20 days holiday a year and I’ve got four staff at college for 33 days a year each, so it’s virtually one man off all the time, so I do have to get out there mowing etc.” He savours these moments. “Sometimes it’s nice to get out on a machine and let the drone of the engine outdo the drone of the telephone,” he says.

This winter the staff on his public courses, which attract more than 60,000 rounds a year each, have been busy reshaping bunkers and aerating. The bunkers had to be reshaped and revetted because of the build up of sand in the adjacent mounds – nearly 2ft of pure sand in some cases. They have also been continuing their intensive aeration programme which includes hollow-coring and Verti-draining all 36 greens and then following this up six weeks later with a vibrating mole-plough. They also Verti-drain the walkways twice a year.

Even before his success in this competition, David had a busy winter planned. As chairman of BIGGA’s East of England section and secretary of the local IoG section, he is heavily involved in organising their winter lecture...
programmes. This month (January) he is going to Elmwood College for two weeks as part of his second year of distance learning to going to Elmwood College for two weeks as management. And now in February he is off to Orleans in 1992.

Not even if there's frost or snow. I've seen them playing in 6in deep snow. After that they usually stop coming and the course closes itself. Most people will only play in so much. They always keep Thorpe Wood and Orton designated Thorpe Wood looked in superb condition for both of the course visits involved in winning the ICI Premier Greenkeeper of the Year Award. After being nominated by their sections, 24 courses were inspected and the head greenkeepers/course managers interviewed. From these, five regional winners were found and their courses underwent another inspection, this time by ICI's Richard Minton and Scottish Region chairman Gordon Moir, the head greenkeeper at St Andrew's Eden course. The final hurdle on the way to the coveted title was an hour-long interview at Aldwark Manor with the candidates being quizzed by a four-man panel – Minton, Moir, ICI's (now Zeneca's) marketing manager Roger Mossop and BIGGA's executive director Neil Thomas. Points gained from this performance were added to those scored by the presentation of the course, maintenance facilities and records. David scored exceptionally well in all areas. And the judges praised Thorpe Wood's appearance. "The course was well presented and maintained to a very good standard," said Mossop. "The sheds on the course were tidy, organised and the machinery well maintained. The course records, filling, compliance to HSE etc were also excellent. Bearing in mind that the course our judges visited was one of his pay-and-play courses, it was a true testament to David's greenkeeping and course management. He could have nominated one of the private courses which were under less pressure."

While he is away, he won't have to worry about his staff taking the decision to close the course. It's forbidden. "We are not allowed to close the courses. Not even if there's frost or snow. I've seen them playing in 6in deep snow. After that they usually stop coming and the course closes itself. Most people will only play in so much. Of course you always get the odd idiot..." But they're still allowed out, even if they're going to do more damage than the £8 green fee they're paying.

"The bosses will not close it for the simple reason that once you start closing golf courses people tend to look out the window and think 'Oh they'll be closed, we won't go there'. So they always keep Thorpe Wood and Orton Meadows open because people will think 'Ah, they're always open, we'll go there'. And, if when they get here the conditions look too bad and they don't want to play, they could then be tempted to spend that £8 in the shop." Despite this, the Peter Alliss/Dave Thomas

"I think we present the course as good as a lot of people present private courses," said David proudly. "But there's a lot more maintenance work goes into it because you're always combating wear, compaction, you've always got to be changing holes and tee markers (daily in the growing season), pushing people into different areas, raking bunkers daily, and switching greens daily," he added without once sounding as if he was complaining.

As Roger Mossop says: "David's enthusiasm is infectious. Here is a man who loves his job and has the full support and backing of his employers. This co-operation had obviously been earned by the respect they had for David's work. "The fact that David had the experience of all aspects of the duties of a golf course superintendent as well as overseeing both private and pay-and-play courses certainly helped his case.

"The other feature of David's career that impressed me was that from humble beginnings he has worked hard to obtain the necessary qualifications via day-release, night education officer, BIGGA HQ, Aldwark Manor, Alne, York Y06 2NF.

Could you be the next winner?

The annual search for a Premier Greenkeeper will continue with several modifications this year. In future, the competition will be to find the Zeneca Premier Greenkeeper of the Year. The prizes for the winning head greenkeepers/course managers will remain the same, that is, a first prize of a trip to the GCSAA conference and exhibition in the USA, a second prize of a weekend for two in London and tickets for a top West End show and a third prize of a weekend for two at Aldwark Manor.

However, an additional prize of £500 will be awarded to the winning greenkeeper's team. Nominations for the competition may be from golf clubs, greenkeeping teams or individual greenkeepers and nominations must reach BIGGA headquarters by May 31 1995. Regions will then select three representatives to go forward to the final stages of the competition. Each of the three courses in each region will be visited by a representative of Zeneca Professional Products together with a BIGGA regional representative and they will select the five finalists. The finalists will have their courses reassessed by a Zeneca representative and a member of the BIGGA Board of Management before the final interview stage at Aldwark Manor. The final will take place at Aldwark Manor on December 14 1995.

Remember, the competition is to find the greenkeeper who gets the best from his course with the facilities that he has available and aims to recognise services to the greenkeeping industry. If you are a course manager or head greenkeeper, a member of a successful greenkeeping team or a golf club that thinks their greenkeeping team deserves recognition then enter now. Write to Ken Richardson, education officer, BIGGA HQ, Aldwark Manor, Aldwark, Alne, York Y06 2NF.
It's time for the programmed approach to disease control in turf.

'Greenshield' is the ideal product for use when the turf is growing strongly, as the combination of the contact chlorothalonil and the systemic carbendazim controls disease for up to six weeks. 'Greenshield' is recommended for all turf areas and should be applied any time during the year when there is active grass growth. Dependent upon the season this will be any time from late March through to late September.

'Daconil' Turf is one of the most popular contact fungicides on the market with a well proven track record for turf disease control during the cooler, slow growing months. Chlorothalonils' multi-site activity means fungal disease resistance has never been a threat, making 'Daconil' Turf the ideal cornerstone for any chemical programme.

Empty containers of both products can be collected and disposed of FREE OF CHARGE using the Zeneca service on (0345) 125398.

ZENECA
Professional Products
Fernhurst, Haslemere, Surrey GU27 3JE.
Telephone (0428) 645454

READ THE LABEL BEFORE YOU BUY: USE PESTICIDES SAFELY. 'Daconil' Turf contains chlorothalonil. 'Greenshield' contains chlorothalonil and carbendazim. Daconil 2787 and Greenshield are registered trade marks of ISK Biotech Corporation.
Taking the lid off

TOP DRESSING

Before you decide which
topdressing to use, you've got
to understand why you are
topdressing in the first place,
says John Hacker of
Professional Sportsturf Design

Applying bulky topdressings
to golf greens has become
common practice on most golf
courses. As all greenkeepers
know, there are three main rea-
sons why topdressings are
applied to the greens: to level the
putting surface; to help dilute
and keep well aerated the surface
thatch layer; to replace and
improve the existing rootzone.

With the emphasis on fast
putting surfaces, topdressing can-
not only level the putting surface
and give a consistent roll across
the green, but also speed up the
pace of the green. Light topdress-
ings during the year can help
increase green speed as well as
help dilute thatch. Thatch, as we
all know, is becoming a major
problem on many courses, partic-
ularly those with very acidic root-
zones. The development of thatch
is not down to one particular
problem, but is a combination of
an acidic rootzone, high fertilisa-
tion, reduced microbial activity
and vigorously growing grasses.
In addition, the rate of water
movement down to the drains
has been rapidly reduced on soil-
based greens due to compaction
caused by heavy use, particularly
during the wet winter months.
The reduction in water flow has
meant that the surface remains
wetter longer which in turn
reduces advantageous microbial
activity and leads to the increase
of organic matter at the surface.

Consistency of the growing medium is the key to superior greens
and tees, which is why Rufford place such importance on the
uniform particle size and the quality of all our sand/soil products
from Rootzone mixes to
Top-dressing mediums

With Rufford you know they must
be the best, because

- Materials are constantly checked.
- All dressings are heat treated.
- Uniform particle size.
- Soil analysis service.
- Guaranteed quality.
- Professional advice.

Of course, achieving such consistently high
quality products is only possible when the
technical aspects of each sand/soil mix is under
the tightest control. Again an area in which Rufford is uniquely
qualified, not only operating our own quarries,
but with in-house laboratories constantly monitoring their output.

Call us today and find
out why greenkeepers
throughout the country
rely on Rufford
for quality and service
second to none.

Tel: 0161 877 8550

Rufford
TOP-DRESS SUPPLIES
and south eastern parts of the country. Given that thatch is not caused by one particular problem, topdressing can help by keeping the thatch layer more aerated and less wet, which encourages more microbial activity and therefore more natural breakdown of surface organic matter.

Topdressings can also be used to change the surface pH of the green in a slow but consistent way either up or down. As implied earlier, thatch is not always a problem on every course in the UK. Some courses I have visited do not have a thatch problem and this is normally associated with naturally free draining greens having a pH in the region of 6.5 to 7.2.

Topdressings can also help improve the existing rootzone albeit rather slowly. With long hollow tines, the concept of rootzone or soil exchange has been understood for many years. This allows us to change the rootzone by deep coring and removing the existing soil slowly over a period of time. Suitable topdressings are then applied to replace the material removed. There are a number of problems with this procedure in that it does depend on what is beneath the improved layer as to how effective it is. For instance, if a green is hollow cored frequently at the same level a pan may develop at that level causing a reduction in water flow to the drains below. In another instance, hollow coring over heavy clay subsoil may only lead to a greater depth of wet rootzone if the water only sits on the impervious clay beneath. So it is important that the green as a whole is looked at to make sure that water can enter freely into the surface and also drain freely away from the base. It is very easy to create a perched water table where water sits in the sandy topdressing layer over the top of an impervious base. It is not unknown for greens with this problem to shake like a jelly when walked on during the winter period when they are effectively full of water. The outcome, as we all know, is a shallow rooted green usually with a thick thatch layer which therefore footprints badly giving a poor putting surface. The sward is usually composed of Poa annua and is therefore more subject to fungal disease attack.

Physical properties

So now we have considered the reasons why we apply topdressings, what are the physical properties required of a topdressing? Golf green topdressings today are primarily composed of sand particles with small amounts of silt, clay and organic matter added to help retain water and nutrients. In an ideal world the topdressing should match precisely the existing rootzone. For greenkeepers with new greens composed of ideal rootzone material then it is easy to match the topdressing with the existing rootzone. Clearly, this is of no benefit when the existing rootzone may be a heavy clay loam which has compacted over a number of years and is in effect fairly impermeable. To enable rapid infiltration of rainwater and to prevent interstitial packing it is important that topdressing or rootzone for that matter, has most of the particles in two adjacent sand band ranges. Examples of rootzone materials are available on the market today include the following:

<table>
<thead>
<tr>
<th>% PARTICLE SIZE (mm)</th>
<th>Code</th>
<th>2.5-1</th>
<th>1-0.5</th>
<th>0.5-0.25</th>
<th>0.25-0.125</th>
<th>0.125-0.063</th>
<th>0.063-0.025</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td>29</td>
<td>55</td>
<td>6</td>
<td>T</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>6</td>
<td>29</td>
<td>55</td>
<td>6</td>
<td>T</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>0.8</td>
<td>2.6</td>
<td>53</td>
<td>27.2</td>
<td>2.2</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Code Key:
1 Fen Turf Dressing   T = Trace
2 Martin Bros        NK = Not Known
3 Rufford Topdress   O.M = Organic Matter

The analyses above are taken from a range of topdressings supplied by each of the suppliers mentioned.

In addition to the physical properties of the topdressings the chemical attributes must also be considered. It is not common to undertake nutrient analysis on topdressing materials, but it is assumed that nutrient content of these products are going to be low. It is uncommon though for greenkeepers to see agreening up response to the application of topdressings, although it is not clear whether this is nutrient within the topdressing or the effect of the previous tining operation encouraging natural breakdown of the surface thatch. There is no doubt though that any topdressing material containing organic matter or soil will have very small proportions of the macro and micro nutrient, particularly iron which some sands are naturally coated in. Perhaps the major point to consider is the lime content of any topdressing. A high pH topdressing may or may not have a high lime content. However, a topdressing with a high lime content will retain a high pH for some considerable time depending upon how much lime it contains. A common source of lime within a topdressing is shell which is found in seashore sands or sea-dredged sands. In the short term, the problem with sand containing a high lime content is the effect it might have on the disease 'take-all patch'. This has been shown to be promoted by a change in the surface pH of the green and, of course, is extremely damaging to bent grass swards.

Nowadays it is assumed that topdressings are sterilised. This is to kill weed seeds and harmful fungi. In addition, the sterilisation act usually burns off excessive moisture, thereby reducing the water content of the topdressing and making it easier to apply. Sterilisation is probably one of those areas which has not been seriously looked at in a production sense. For instance, you do not know how much weed seed or harmful fungi might be present in any individual source of rootzone material. It is generally assumed that sand is inert, although we have recently seen the effects of dry patch disorder which have been associated with fungal depistions on sand grains. It is certainly more likely that weed seeds will be present within any topsoil and to a lesser extent the organic matter used to mix with the sand. It is likely that every topdressing is going to be slightly different and so sterilisation is probably a safe bet. Clearly, it is very important that we do not apply weeds to the surface of our greens inadvertently and especially not pernicious weeds. While it is possible to control broadleaved weeds, weed grasses such as Poa annua could easily be brought in with an unsterilised topdressing. This is certainly an area where further work could be undertaken by each manufacturer on its own source material to determine the needs of that particular product.

Choosing suppliers

After stating the need for suppliers to be vigilant over the material they use and how they process it, which suppliers should you use? I suppose we can divide suppliers into three categories, those that have their own sands, those that have their own sand and soil and those that have their own soils. In addition there is the middle man who does not have any raw material himself but buys in both sand and soil and mixes them as a service to the greenkeeper prior to selling them with a small profit for that service. There are, as most greenkeepers know, a number of well known sands used throughout the UK. These include sands such as Leighton Buzzard, Kingsley Washed, New Platt Wood, White Moss, Chelford and a number of others. The reason the sands are considered good is they are uniform, plentiful, accessible and in the particle ranges required for golf greens (medium/ fine, medium/coarse). There are of course a lot more quarries around the country, some of which will also contain sand suitable for application to golf greens. Some courses themselves will be able to quarry their own sand and apply it to the greens as they have done for many many years.

If you are considering buying your topdressing material from a supplier there are a number of questions which you should ask of that company:

a) Has the company a reputation for producing consistent materials?

b) Can they provide you with full...
technical details of the materials, such as particle size analysis, pH and lime content? Does the company undertake regular, ie monthly, analysis of its materials to make sure it is maintaining its quality?

c) Is the material sterilised prior to delivery?

d) What reserves of materials do the company have, so that they can provide you with the same topdressing in say 5 or 10 years time? This is particularly important for the topsoil which is perhaps the most variable of the topdressing ingredients.

e) How does the supplier deliver the material and what are the backup services available, ie is the material delivered on time in the size of wagon you require and covered to prevent it from getting wet?

It is not possible to give a definitive list of suppliers as many market their material not only under their own name but for other retailing companies.

So at the end of the day which topdressing should you use? Well this is not an easy answer as it depends upon your particular greens, their rootzone and their current state. It is not necessarily good for instance to use a very high quality topdressing which may be very expensive if it does not match up with your existing rootzone. It is quite possible to end up with a perched water table overlaying your existing rootzone as mentioned earlier. In addition, changing from topdressing to topdressing can create root breaks occurring in the top 50-75mm of the green. This means that roots do not go into the soil itself and the whole turf can lift like a carpet when hollow cored. So is it true that you should use a cheap economy topdressing on soil based greens? Again it depends upon the existing green and its rootzone. Any topdressing used should be naturally free draining and should not compact, so this sets minimum standards to start with. High quality, uniform topdressings may not always be the best solution, but poor quality topdressings are seldom the answer.

To determine which topdressing you should use, the important thing is to understand why you are topdressing, and what you are trying to achieve by applying this topdressing. Once you have determined this and what your existing rootzone is composed of, you can decide what topdressing is most suitable for your golf green. Ideally you should try and match the rootzone as much as possible, although this will not be possible on soil-based greens which are probably suffering under heavy winter play. It may be that in some instances topdressing is not the answer to the problem that you have and a more radical solution may be required. Whatever you do, use the same material consistently over a number of years and do not switch from one analysis to another. This does not mean that you need to stay with the same supplier, but make sure that the analysis is consistent from year to year. It may sound like buying a topdressing is like walking through a minefield, but take heart, many of the larger topdressing suppliers are making big efforts to improve their quality and consistency and to highlight the quality differences between themselves and cheaper alternatives. There is no doubt that you will have to pay for quality, consistency and uniformity, but in the long term that additional cost is well worth paying.

---

**GROUNDS CARE FINANCE**

**FLEXIBLE FUNDING* FOR ALL YOUR GROUNDS CARE MACHINERY**

Private sector or Local Government. Contractor, DSO or in-house department. Golf Course, Sports Ground, Amenity or Highways. Whatever your involvement in Grounds Care, FAF can help with innovative and effective machinery finance packages. We have schemes to improve cashflow, release capital tied up in existing machinery and to help control equipment costs more closely.

Call FAF on 0800 378655 now and let our Grounds Care Finance specialist John Westrope help you to design exactly the finance scheme you need.

- **FINANCE LEASES**
- **OPERATING LEASES**
- **LEASE PURCHASE**
- **CONTRACT HIRE**
- **SALE AND LEASEBACK**

Call us now on our freephone helpline number and ask for John Westrope 0800 378655

FAF, New Agriculture House
Barnett Way, Barnwood
Gloucester GL4 7RT.
Telephone 0452 371911
Fax 0452 371811

*A Business users only

A member of the National Westminster Bank group

GREENEREER INTERNATIONAL January 1995 21
It cleans up the tough spots

NEW 2653 PROFESSIONAL UTILITY MOWER

Every course has them. The spots that are tough to get to. Tough to mow. Spots where the new John Deere 2653 Professional Utility Mower shines.

A unique combination of hydraulic reel drive, exceptional climbing ability, and 26-inch cutting units allows the 2653 to precisely mow where others can’t.

Powered by a liquid-cooled 18-hp (13.4 kW) engine, the 2653 has the power to work through wet, lush, or long grass – plus the ground hugging ability to deliver a quality cut over undulating terrain.

In addition, the 2653 features the same John Deere reel technology used in our 30-inch ESP cutting units. Reels and bedknives are made of induction-hardened high-impact steel for longer life. Height adjustments are locked in with a simple system designed to hold true through the bumps and shocks of everyday use. You don’t find cutting units any better than these.

For the name of your nearest distributor, or free literature, call 0949 863299. Or write to John Deere Ltd., Langar, Nottingham, NG 13 9HT.

NOTHING RUNS LIKE A DEERE

Hydraulic reel drive and John Deere 26-inch cutting units allow the new 2653 to power through tough conditions as well as precisely follow ground contours.

SEE US ON STAND B48 AT BTME
**Boughton Loam Ltd.**

**For**

**Turf dressings**
**Root zone mixes**
**Screened top soils**
**Bunker sands**
**Horticultural composts**

See us on stand C54A at BTME

Telford Way, Kettering, Northants
Tel: 01536 510515

---

**D&E Turf**

Tel: 01388 608620 Fax: 01388 609552
Mobile: 0836 376944

Aeration
- Toro Hydrojects with Ultraflow application
- Toro Greens aerators + core harvester (Core and collect 18 greens in one day)
- Toro Fairway aerator + harvesting (Core fairways as well as greens)
- 2.5mtr fairway verti-drain
- 1.5mtr Greens verti-drains (Use 2 machines and complete in one day)

Seeding
- 1.3mtr Moore Uni-drill (Overseed Fairways successfully)
- Proseed fine turf overseeder (Accurate delivery with topdressing)

Renovation
- Sisis hydraulic Veenows
- Trilo vacuum sweepers – Tornado Blowers

Topdressing
- Mower mowers for greens
- Fairway bulk topdressing and compost spreading
- Ultraplan high tip trailers

Screening
- Grateall SS100 Screener Shredder

Mowing
- Toro 335D 90" diesel triples (Daily hire or contract)

Construction
- Greens, Tees, Bunkers (partial or complete)

Drainage
- Whizzwheel slitting and sand grooving

Maintenance
- Machinery regrinds and repairs and full contract maintenance

Education
- Intensive certificated courses on all Toro aeration and mowing equipment

SEE US ON STAND A10 at BTME

The Underground operation for top level RESULTS!
The BIGGA Turf Management Exhibition, the largest trade show and education programme of its kind in Europe in 1995, takes place in the Harrogate International Centre, Harrogate, North Yorkshire, from January 25-27.

The BIGGA National Education Conference takes place in the Majestic Hotel, Harrogate, from January 23-24. The Educational Seminar Programme, which runs concurrently with the exhibition, will be held in the Harrogate International Centre’s Royal Hall – entrance from Hall C.

BTME is open from 9am on all three days. It closes at 5.30pm on Wednesday and Thursday and 1.30pm on Friday.

Entry to the exhibition is FREE but unless you have pre-registered you will need to complete a registration card at the entrance to the show.

WHAT’S ON AND WHEN

MONDAY 23 JANUARY, MAJESTIC HOTEL
NATIONAL EDUCATION CONFERENCE
Chairman: Dr Peter Hayes, Director, Sports Turf Research Institute
8.50am: Introduction: Barry Heaney, Vice Chairman, BIGGA
9.00am – 9.40am: An Overview of European Golf Course Ecology
David Stubbs, Executive Director, European Golf Association
9.40am – 10.00am: Golf Courses and the Environment – Council for the Protection of Rural England’s View
Neil Sinden, Assistant Secretary, CPRE
10.00am – 10.20am: Aspects to Consider when Tree Planting on Golf Courses
Wally Grice, Woodland Officer, The Forestry Authority
10.40am – 11.20am: The Layman’s Guide to Golf Course Ecology Management
Andy Campbell, Course Manager, Carden Park Golf Club
12.00 – 12.30pm: Questions to the Panel

2.00pm – 2.40pm: Agronomy – the Seven Obstacles and how to overcome them
Andy Campbell, Course Manager, Carden Park Golf Club
2.40pm – 3.20pm: Benefits of Turf Grasses to Environmental Issues
Dr James Beard, President, International Sports Turf Institute University
3.40pm – 4.20pm: Reconstruction of the 7th Green on the Tournament Course
Michael Wattam, Head Greenkeeper, East Sussex National Golf Club
5.00pm – 5.30pm: Questions to the Panel
5.30pm: Summing Up
John Millen, Chairman, BIGGA

WEDNESDAY 25 JANUARY, ROYAL HALL
SEMINAR PROGRAMME
9.00am: Ribbon cutting to open BIGGA Turf Management Exhibition, Entrance Hall A
9.40am – 10.00am: Meteorological Effects
Mr PA Murray, Manager, Leeds Weather Centre
10.00am – 10.20am: Water – Use it Wisely
Geoff Bell, Water Quality Manager, NRA Thames Region
10.40am – 11.20am: Irrigation Techniques
Phillip York, Phillip York Associates
11.20am – 12.00noon: Communication – We Thought We Had it Right and then Came the AGM
Duncan McElvray, Course Manager, Letchworth Golf Club
12.00 – 12.30pm: Questions to the Panel
2.00pm – 2.40pm: The Evolution of the London Golf Club – Natural Resource Management
Joe Paulin, Courses Manager, London Golf Club
2.40pm – 3.20pm: Perseverance, Pride and Professionalism – an overview of Patsull Park Hotel, Golf and Country Club
Geoff Allinson, Course Manager, Patsull Park Golf Club
3.40pm – 4.20pm: Working Together in Sweden
Stig Persson and Hakan Eriksson, Swedish Golf Federation
4.20pm – 5.00pm: Continuing Environmental Research and Education
James F Moore, Director, Green Section, Mid-Continent Region, United States Golf Association
5.00pm – 5.30pm: Questions to the Panel
5.30pm: Summing Up
John Millen, Chairman, BIGGA

SEMINAR PROGRAMME – SESSION A
10.30-11.00: THE OPEN 1994
George Brown, Golf Courses and Estates Manager, Turnberry
11.00-11.30: Rabbit and Vermin Control
Dr I G McKillop, Central Science Laboratory
11.00-11.30am: WAS IT WORTH IT?
Kerran Daly, Master Greenkeeper, Course Manager Salisbury and Wiltshire Golf Club; Anthony Davies, Master Greenkeeper and ICI Premier Greenkeeper 1990, Course Manager Prestbury Golf Club; Bride Redican, Toro/PGA European Tour Student Greenkeeper of the Year 1993, Adare Manor Hotel and Golf Club.

2.30-3.00 pm: Health and Safety Update
Douglas Shearer, Health and Safety Consultant
7.30pm for 8.00pm: EXHIBITION BANQUET

THURSDAY 26 JANUARY, ROYAL HALL
SEMINAR PROGRAMME – SESSION B
1.30-2.00 pm: Golf Course Management in The Highlands
Iain Macleod, Course Manager, Tain Golf Course
2.00-2.30 pm: Ashridge – the Last Five Years
Jim Cassidy, Course Manager, Ashridge Golf Club
2.30-3.00 pm: A Greenkeeper’s Guide to Working with Golf Course Architects
Cameron Sinclair, Chairman, British Institute of Golf Course Architects

SEMINAR PROGRAMME – SESSION D
3.30-4.30 pm: Practical Management of a Complex Environment
James F Moore, Director, Green Section, Mid-Continent Region, USGA
9.30-10.00am: Budgeting for Golf Course Management
Colin Hegarty, Golf Research Group
10.00-10.30am: A Secretary’s View
Brian Crame, Managing Secretary, Broadway Golf Club
11.00-11.30am: Rabbit and Vermin Control
Dr I G McKillop, Central Science Laboratory
11.30-12.00pm: Plant and Grass Breeding
Dr David Patterson, Turfgrass Breeder, Northern Ireland Horticultural and Plant Breeding Station

SEMINAR PROGRAMME – SESSION E
1.30-2.00pm: European Forum
Dennis Morfram, Senior Greenkeeping Lecturer, Reaseheath College; Tommy Lindelof, Chief Executive, Swedish Greenkeepers Association; Joe Bailey, President, DGSA; Peter Shaw, Course Manager, Riedhof Golf Club, Munich

SEMINAR PROGRAMME – SESSION G
3.30-4.30pm: Health and Safety Update
Douglas Shearer, Health and Safety Consultant

3.00pm: A Greenkeeper’s Guide to Working with Golf Course Architects
Cameron Sinclair, Chairman, British Institute of Golf Course Architects

SEMINAR PROGRAMME – SESSION H
10.00-11.30am: International Turfgrass Trends
Dr James Beard, President, International Sports Turf Institute and Professor Emeritus of Turf Grass Science, Texas A&M University

8.30pm: KARAOKE NIGHT
A karaoke night will be held in The Majestic Hotel hosted by Jonathan Reece of the Fun Time Music Company, featuring all star cast... of greenkeepers.

THURSDAY 26 JANUARY, ROYAL HALL
SEMINAR PROGRAMME – SESSION F
1.30-3.00pm: European Forum
Dennis Morfram, Senior Greenkeeping Lecturer, Reaseheath College; Tommy Lindelof, Chief Executive, Swedish Greenkeepers Association; Joe Bailey, President, DGSA; Peter Shaw, Course Manager, Riedhof Golf Club, Munich

8.30pm: KARAOKE NIGHT
A karaoke night will be held in The Majestic Hotel hosted by Jonathan Reece of the Fun Time Music Company, featuring all star cast... of greenkeepers.
Scotts®
FERTILISERS

The premier name in the UK that's big in the USA

For:
- Golf and Bowling Greens
- Cost-Effective Fairway Applications
- New Golf Course Construction and “Grow-in”
- Close Mown Tees, Approaches and Fairways

Contact: Scotts UK Ltd (formerly Grace Sierra UK)
61 Loughborough Road, West Bridgford, Nottingham NG2 7LA
Tel: 0115 945 5100 • Fax: 0115 945 5311

See us on Stand A2A at BTME

Photograph taken at the East Sussex National Golf Club
WELCOME TO HARROGATE

This will be the seventh BTME and the best yet - they're already calling it the "Magnificent Seventh". Here are just some of the key reasons why you should be there:

♦ 150 exhibitors will be at the Harrogate International Centre to present the most comprehensive range of products and services to everyone with an interest in golf and fine turf maintenance. Many will be using the exhibition as a platform to launch new products. Look out for the latest from manufacturers such as Ransomes, Toro, Jacobsen, John Deere, Hayters, Kubota, Massey Ferguson, New Holland Ford and Sisis.

♦ Major bodies within golf will also be represented, including the British Institute of Golf Course Architects, the British Association of Golf Course Constructors, the Association of Golf Club Secretaries, the National Turfgrass Council, the Sports Turf Research Institute, the Greenkeepers Training Committee and the Golf Course Superintendents Association of America.

♦ The education element, which starts on Monday January 23 with the BIGGA National Education Conference, followed by the Educational Seminar Programme, features world-class speakers. Topics for discussion include ecology, irrigation, international turfgrass trends, budgeting and health and safety updates.

♦ The pleasant Yorkshire town of Harrogate is easily accessible by road, rail, sea and air. The exhibition centre is one of the best appointed in the country. All events are within easy walking distance.

♦ Members are reminded that the Association's AGM will take place on Wednesday January 25 at 5.45pm in the Majestic Hotel, Harrogate. Admission is on production of a current BIGGA membership card. You are also asked to wear your BTME badges so your barcode can be 'scanned' in with a light pen. This will cut down the usual queues as members line up to sign a visitors' book. Copies of the audited accounts for the year ended September 30 1994 are now available from section secretaries.

The Royal Hall, Harrogate: venue for the BTME and Seminar programme

Lamborghini

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

Compact models from 25-75HP. All with economical low emission diesel engines; 12 x 12 synchro-shuttle gearboxes; highly manoeuvrable 4 wheel drive; 4 wheel oil immersed brakes from 60HP for greater safety; powerful hydraulics and all with ground preserving low weight for reduced compaction.

Lamborghini (UK)
Barby Lane, Barby, Near Rugby
Warwickshire CV23 8TD
Telephone: 01788 891446

SEE US ON STAND C61 AT BTME
KEEPS YOU ON COURSE
Self'-cultiva'tion (n. the effect of small polypropylene mesh pieces as they flex within a free-draining rootzone material to create and maintain voids and to resist soil compaction. The mechanism takes place as the surface is compressed during play, maintenance or by other activities.

Turf grass scientists created a term to describe the unique mechanism they identified whilst examining the performance of Netlon Advanced Turf plots.

Maintaining health and minimising damage
You will not find the term self-cultivation in any dictionaries at the moment, but you will find evidence of its effect on tees, greens and paths. There will be deeper root penetration, higher infiltration, greater divot resistance and faster recovery rates due to the stability and root anchoring provided by the elements.

Telephone Emma Burns on 0800 585012 if you would like more information about Netlon Advanced Turf or return the coupon.
Netlon Advanced Turf Systems, Netlon Limited, Kelly Street, Blackburn, England BB2 4PJ Telephone: +44 (0)254 262431 Fax: +44 (0)254 694302

Netlon is the registered trade mark of Netlon Limited in the UK, the USA & other countries. Netlon Advanced Turf is patented in the UK, the USA & other countries.

LES CO
THE GREENS MACHINE THAT MAKES ECONOMIC SENSE FOR TODAY'S GOLF COURSE

Prices start at £10,400
Distributors required for certain counties

LGM LTD
Unit 17 Greenwich Close, Landseer Road, Ipswich, Suffolk IP3 0DD Telephone: (01473) 289158 Fax: (01473) 289161

MULTI-CORE
The superb TM 1000 Tractor Mounted Aerator

- 1.0 metre coring width
- Variable spacing with a large choice of tine sizes. Hollow, solid or mini
- Productivity. Once acre per hour at 26mph
- Adjustable depth. Depth capacity to 5 inches
- Durability. Robust all steel welded frame
- No grease points. Fully sealed throughout
- Fits your compact tractor. From 16hp gearbox or hydrostatic
- TM 1500 1.5 metre working width also available.

MULTI-CORE
3 Hillside Close, Euxton, Chorley, Lancs PR7 6JB Tel/Fax: (01257) 231861
For Ireland please contact: Croft Turfgrass Industries, Greencroft, Castlebellingham, Co. Louth. Tel: 019 353 427 2163

GROW YOUR OWN BUSINESS
Realise your ambition. Find out how with our free guide. (0800) 585012

What makes a good irrigation system? How did we water our courses before irrigation? What makes a good irrigation system? These are just some of the questions that Martin Smith, head greenkeeper at Ramsdale Park Golf Centre, near Nottingham, will answer during his lecture at the National Education Conference. Martin, 42, has a unique view of irrigation since he is a greenkeeper who spent ten years as an irrigation installation engineer working all over Britain and Europe.

With the environmental issue becoming more and more important, greenkeepers cannot afford to miss ecologist Bob Taylor's talk on 'Managing the Ecology of the Golf Course'. Bob joined the STRI as an advisory agronomist in August 1989 after graduating from Sheffield University with a BSc honours degree in botany. Before going to university he worked for 11 years as a supervisory electrician with British Coal. At the STRI he advises a variety of sports clubs throughout the north of England on general maintenance but his real speciality is ecological matters particularly on golf courses where woodland management or sites of scientific interest are involved.

Want to know how the Council for the Protection of Rural England has to say about golf courses and the environment? Then don't miss Neil Sinden's talk. Neil is the assistant secretary of the CPRE.

Thinking of planting some trees on your course? Get some tips from an expert. Wally Grice, a woodland officer with the Forestry Authority (part of the Forestry Commission), has been working in forestry for 17 years. He now covers the Craven, Harrogate and Selby area. At the National Education Conference, 33-year-old Wally will be covering 'Aspects to Consider When Tree Planting on Golf Courses'.

Geoff Allinson, 27, is course manager at Patsull Park Golf Club, an 18-hole parkland course. Geoff took up the post in 1993 after growing in a 27-hole pay-and-play facility close to Telford in Shropshire. Before that he was involved, as an assistant, with the growing-in of the Wissley Club in Surrey. His talk is about 'Perseverance, pride and professionalism - the three qualities every greenkeeper should possess.'

The £40m London Golf Club in Kent opened to much acclaim last summer. Its course manager, Joe Paulin, will tell delegates all about it during his talk on 'The Evolution of the London Golf Club - Natural Resource Management'. Joe is a 44-year-old American who has a BS degree in agronomy from the Purdue University. He has worked at some of the world's best courses including Clandeboye Golf Club in Bangor, Northern Ireland, and The Gleneagles Hotel in Scotland.

Irrigation consultant Philip York will explain how operating costs can be reduced with proper system design/installation and good management. The right selection and spacing of sprinklers is critical if the system is to be efficient. How to achieve a reasonably uniform application of water is just one of the questions answered in his talk. Philip began in the irrigation industry in 1962, initially designing agricultural systems for the Eastern Counties Farmers Ltd's irrigation department. He has also worked for Wright Rain Ltd and the Toro Company, rising to managing director of their UK subsidiary before leaving in 1985 to set up his own consultancy. He now specialises in irrigation for golf courses.

Two Swedes - Stig Persson and Hakan Eriksson of the Swedish Golf Federation - will explain what's happening in their homeland and how the greens section of the SGF works. They will also present their environmental programme. Stig, 46, worked for five years as head greenkeeper at Barseback G&CC and spent another five years as an installation manager for Rain Bird in Sweden before becoming general manager of Ljunghusen GC, a 27-hole seaside course on the southwest corner of Sweden. Hakan is 33 years old and started working for the SGF as an agronomist in 1990. "In my work I give advice to about 30 golf clubs about running of the course. I am also responsible for research and experiments in course running within the Swedish Golf Federation," he tells us.

The main themes of the National Education Conference are ecology, agronomy and irrigation. Billy McMillan, course manager at the Wildwood Golf Club, will put it all into perspective for us. Billy, one of Jack McMillan's boys, has been a head greenkeeper for more than 18 years, including spells at Cray Valley GC, Badgemore Park GC, Sunningdale GC, Effingham GC before starting at Wildwood in 1991.

BTME SEMINAR SPEAKERS

Dr David Patterson is a turfgrass breeder at the Northern Ireland Horticultural and Plant Breeding Station, which is situated in the heart of County Armagh. His seminar is about plant and grass breeding. He will explain how grasses are cross-fertilised and new varieties are synthesised by crossing parental varieties which have complementary characteristics. Much of the parental material is selected from old golf courses. Dr Patterson has an honours degree in agricultural science and a PhD in applied plant science from the Queens University of Belfast.

Jim Cassidy, 35, has been in greenkeeping for 16 years and has spent 11 years as a head greenkeeper. He is currently course manager at Ashttridge Golf Club and plans to tell seminar goers about his five years there, his relationship with the National Trust, the geology and wildlife on site, the management structure in the club, improvements brought about by investment in modern machinery, a new machine store and new staff facilities.

Greenkeepers may be asked to manage rabbits, hedges, squirrels, rats, moles or Canada geese. Or they may have to supervise the management operations of a pest control company. Either way, greenkeepers will encounter problems. The types of problems will be discussed by Dr Gordon McKillop of the Central Science Laboratory in Worsley, Surrey. He has 15 years experience of research into wild rabbits, particularly management techniques and damage assessment. He has also designed and tested the non-lethal electrified grids which have been installed in the Channel Tunnel as one means of preventing rabid animals crossing through the Tunnel from France.

The British Institute of Golf Course Architects' chairman, Cameron Sinclair, will be giving a talk entitled 'Modern Golf Course Design allied to Modern Maintenance.' Keen golfer Cameron started his golf course design career with the firm of Cotton (CK), Pennink, Steel and Partners Ltd soon after graduating from Heriot Watt University with a degree in landscape architecture. In 1986, through an association with Graham Marsh, Cameron was given the opportunity of working in Australia on the design of a new resort course. Eighteen months after construction started the result was the prestigious Palm Meadows Golf Course. Cameron was then offered a job as a senior designer with Marsh's organisation and stayed in Australia for two years designing two new resort courses in Queensland. He is now operating as an independent golf course architect based in the UK.

Joseph Baidy, president of the Golf Course Superintendents Association of America will talk about the United States' view of Europe during the third European Forum. The Forum is aimed at greenkeepers in Europe and Sweden's Tommy Lindelof and Peter Shaw, who works in Germany, are among the other speakers. Dennis Mortram from Reaseheath College will give an overview of greenkeeper training in England.
M J ABBOTT LTD
Stand No. B2
Bratch Lane, Edington, Wiltshire, SP3 6BE,
Tel: 0722 716361 Fax: 0722 716828
Contact: Robert Donald

M J Abbott offer a range of specialist services to the golf and leisure industry. State of the art techniques together with fine workmanship ensure quality and efficiency throughout the company. M J Abbott concentrate their activities in the field of specialist trenching services; providing the most comprehensive land drainage service possible. Our range of machines have installed over 500,000 meters (500 kilometres) of land drainage pipe on golf courses in the past 12 months. Irrigation, construction, water sourcing, storage and distribution complete the range of services provided. Illustrated examples of types of projects undertaken will be displayed, with technical staff on hand to answer questions and advise on action plans.

ADAS
Stand No. A33
ADAS Silsoe, West Park, Silsoe, Bedford, MK45 4HS, Tel: 0525 860077 Fax: 0525 861813
Contact: Alan Redrup

Visitors to the ADAS stand will be able to sample ‘The Whole in One’ experience. This comprehensive service draws on the full range of the agencies’ unique expertise resource for golf course development and management. Examples of recent projects will be on show including new courses, extensions, re-modelling, clubhouse construction and course management. Details of the ADAS Golf Course Management Scheme, successfully launched at last year’s Exhibition, will be available in addition to a feature on the increasing utilisation of aerial photography to assist on hand to answer questions and advise on action plans.

AGTEC IRL. LTD
Stand No. B20
Unit 3A, Lissenhall Industrial Estate, Swords, Co. Dublin, Ireland, Tel: 01 8404458 Fax: 01 8401987
Contact: Peter Fell

Richard Aitken and his staff will be pleased to welcome customers old and new to their stand at BTME Harrogate. On display are further additions to our already complete range of products, giving greenkeepers, groundsman and turf managers the most comprehensive choice available.

ALLEN POWER EQUIPMENT LTD
Stand No. A26
The Broadway, Didcot, Oxford, Tel: 0235 813936
Fax: 0235 611491
Contact: Lance Bossett

On show will be the popular Allen National 68 Triple Mower and the range of Allen Brushcutters and Hovermowers suited for the golf greenkeeper. Plus Walkover Sprayers and the relaunched Allen Reciprocating Edgetaper a must for maintaining bunkers.

ALLETT MOWERS LTD
Stand C12
Unit 60 Burkitt Road, Earlstrees Industrial Estate, Corby, Northants, Tel: 0536 268950 Fax: 0536 201856
Contact: David Allott

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

AVIS EMERSON LTD
Stand No. A30
Avis Emerson Ltd, 286 Kings Road, Reading, Berkshire, RG1 4HP.
Tel: 01734 510033 Fax: 01734 510044
Contact: Carl Crome

Back to the future, stand C55 will see the relaunch of Turfex traditional wetting agent, back due to popular demand.
Also featured will be BAYCO golf equipment, Service Chemicals, Scuttle and the full Becker-Underwood Range of products.

AQUAL SHELTERS LIMITED

Claremont House, St Georges Road, Bolton, Lancashire, Tel: 0204 22424 Fax: 0204 365110

Contact: Mrs Janice McFarland

The AquaShelter system provides an attractive alternative to a conventional building for a new clubhouse or an extension to an existing facility. Utilising its modular principle the required size and shape can be designed, manufactured and installed in minimal time and at a highly competitive cost. The Sheltent's all-weather capabilities have been thoroughly tested and proven since its introduction in 1987, and the durability of the materials used in its construction ensures a long and trouble free life. And it may be easily added.

ASKHAM BRYAN COLLEGE

Ashkam Bryan, York, North Yorkshire, YO2 3PR, Tel: 0904 702121 Fax: 0904 702629

Contact: Nick Bissett

Askham Bryan College is the centre approved by the Greenkeepers Training Committee for all levels of Greenkeeper Training.


Both full-time courses run for 3 years. The middle year is spent in paid employment.

For more information on these and other courses come and chat to us on Stand No. C38.

ASSOCIATION OF GOLF CLUB SECRETARIES

Stand No. C1A

7a Beaconsfield Road, Weston-super-Mare, BS23 1YE, Tel: 0934 641166 Fax: 0934 644254

Contact: Ray Burniston

Membership is currently just over 1800 consisting of Secretaries and Managers of clubs also a small number of retired Secretaries. The Association offers from its head- quarters at Weston-super-Mare advice on all aspects of Golf Club Management. It also runs training courses for new and intending Secretaries and seminars, conferences and national and regional meetings for its members.

ATTERTON & ELLIS LIMITED

Stand No. A7

Iron Works, Havenhill, Suffolk, CB9 6QH, Tel: 0440 702312 Fax: 0440 712138

Contact: David Smith

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

On show will be the 'top-of-the-range' Express Dual '2000', the perfected answer for those who wish to sharpen both the putting and approach greens. The Anglemaster '2000' bottom blade grinder will also be on show.

AVONCROP AMENITY PRODUCTS

Stand No. C13

Northfield, Station Road, Sandford, Nr Bristol, BS19 SRA, Tel: 0934 820868 Fax: 0934 820546

Contact: David Podfleld

The Avoncrop group of companies are one of the country's largest distributors of chemicals, fertilisers, grass seed, topdressing, line marking materials, sports equipment and general horticultural sundries. A warm welcome awaits both existing and new customers to the stand where technical staff will be available to discuss your needs and help solve any problems you may have in turf management.

BAILEYS OF NORFOLK

Stand No. C13

Brick Kiln Road, Hevingham, Norwich, Norfolk, Tel & Fax: 0603 754607

Contact: Alan Bailey

Come and say hello to

NEIL THOMAS

Executive Director

on the BIGGA stand, C50, at Harrogate.

BARENBRUG UK LTD

Stand No. A24

PO Box 2, Rougham Industrial Estate, Bury St Edmunds, Suffolk, IP30 9NW, Tel: 0359 270766 Fax: 0359 71021

Contact: Michel Mulder

Barenbrug UK Ltd is the UK's largest supplier of grass seed and its Barenbrug range is the best in the business.

Baruba and Baroxi.

BOUGHTON LOAM LTD/TURF MANAGEMENT SYSTEMS

Stand No. C54A

Telford Way, Telford Way Industrial Estate, Kettering, Northants, NN16 8UN, Tel: 0536 510515 Fax: 0536 510691

Contact: Mike Franklin

Boughton Loam Ltd and Turf Management Systems will be showing their range of turf dressings, root zones, grass seed, peat, John Boyes and "Liquid Soil" spray on grass in a three dimensional display and look forward to meeting old friends and new to see the products of tomorrow.

BOURNE AMENITY

Stand No. C16

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

Contact: Janet Reeve

Bourne Amenity, marketing Tifcon products in the South are jointly representing their complete range of amenity products available nationwide. Market leading products such as Dunlop Sports Sand. Harden Redtrace pathway material, high quality matched top dressings and root zones are all on show. Throughout 1995 more and more public authorities and contractors have recognised the qualities of Tifcon Dunlop sports sands and specified their use. In 1995 it is anticipated that they will become increas- ingly regarded as the silica sands to use on all amenity projects.

BOYD GOLF COURSE ACCESSORIES

Stand No. C54

67 Gray's Hill, Bangor, Co. Down, Tel: 01247 271163 Fax: 01247 471136

Contact: John Mellor

Ireland's leading golf course accessory and equipment
manufacturer will be showing for the first time at BTME and hope to offer Greenkeepers from near and far the opportunity to see the full range of tools and accessories. Items to be on show will include the "Elete" hole cutter both long and short handled. The combination hole cup puller setter trimmer. The Boyd aluminium hole cups which are machined both on the outside and the inside to allow the fitting of a white hole cup liner for those special competitions, along with many other tools and accessories of interest. Call and see, all will be welcome.

BRIAN D PIERSON (CONTRACTOR) LTD
Stand No. C30
Homestead Farm, Ringwood Road, Three Legged Cross, Wimborne, Dorset, BH2 6QY,
Tel: 0202 822372 Fax: 0202 826447
Contact: Lisa J Pierson
Brian D Pierson (Contractors) Ltd are pleased to be attending the exhibition this year. Our stand will feature golf course construction details of some of our most recent projects, including the new P.G.A. course at 'The Belfry', Harleford estate on the river Thames and many more. Our specialist maintenance division is featured with the verdbain fleet and core master machine. P.P.M., Pierson Project Management, for golf course development, feasibility, management etc., will also be included on our stand. We look forward to seeing you.

BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION
Stand No. C50
Aldwark Manor, Aldwark, Aince, York, Y06 2NF,
Tel: 01347 838581 Fax: 01347 838864
Contact: Neil Thomas, John Pemberton, Ken Richardson, Bill Lynch, Chris Boiling, Carol Dutton, Louise Lunn, Samantha Flint, Pauline Thompson, Clare Douglas, Sarni Collins
BIGGA welcomes all visitors to Harrrogate once again. The Association is delighted to be organising the event which in its seventh year has developed 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 whilst visiting the stand. The full range of BIGGA merchandise will be on sale, including some special offers not to be missed. Also details of the Trims computer software package will be available. Be sure to pick up your copy of Greenkeeper International which has a circulation of 9,000 world wide - essential reading for greenkeepers, golf officials and the industry. The Association's staff look forward to meeting you on the stand where much lively and informed discussion can be assured.

Come and say hello to

LOUISE LUNN
Sales and Marketing Assistant
on the BIGGA stand, C50, at Harragote.

BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION (NORTHERN REGION)
Stand No. C41A
5 Lynham Way, Madeley, Crewe, Cheshire, CW3 9RX, Tel: 0202 822372/0858 464346
Fax: 0202 826447/0858 464346
Contact: Bob Lupton
Meeting point for Northern Region members to find out what is happening in their area in 1995 - social events, educational lectures and golf events. Details also available of Northern Regional Seminar on Health and Safety at the Tytherington Golf and Country Club in March. The Region's Patrons (Course Care, Rhône-Poulenc, D&E Tytherington Golf and Country Club in March. The Region's Patrons (Course Care, Rhône-Poulenc, D&E Turf Maintenance, Link Leisure and Aitkens) will also be in attendance to meet members.

BRITISH ASSOCIATION OF GOLF COURSE ARCHITECTS
Stand No. A14
Ashwells Road, Bentley, Brentwood, Essex, CM15 9SR, Tel: 0202 822372/0858 464346
Fax: 0202 826447/0858 434734
Contact: Lisa Pierson/Tim Banks/Jim Bull
At a recent meeting of the B.A.G.C.C. a great deal of discussion took place regarding ways to attract more members whilst retaining the very high criteria for which the Association is known. Although there is to be no slackening of the rules by which new members will be accepted into the heart of the Constructor's Association, it was recognised that there are many other professional individuals involved in associated fields who could contribute to the Association by becoming Affiliate Members. It is probably not generally known that Provisional Membership is available for Constructors who partially fulfil the criteria, as an interim prior to becoming full members. Further information please contact the Hon. Secretary, Tim Banks, telephone 0858 464946.

BRITISH INSTITUTE OF GOLF COURSE ARCHITECTS
Stand No. C41
Administrative Office, The Pheasantry, Godstone Road, Oxted, Surrey, RH8 9NQ, Tel: 0883 712072 Fax: 0883 730376
Contact: Sheila Furnival
The British Institute of Golf Course Architects are the representative body of the leading European Golf Course Architects. A selection of members will be on the exhibition booth to assist potential developers of Golf Courses and answer technical enquiries relevant to Golf Course Design including: Feasibility Studies, detailed designs of new courses worldwide, re-modeling and upgrading of existing courses and general consultancy.

BRITISH OVERHEAD IRRIGATION LIMITED
Stand No. C18
Upper Halfford Green, Shepperton, Middlesex, TW17 8SP, Tel: 0932 788302/4
Fax: 0932 780437
Contact: Gerry Wilkins
If you have an interest in golf course irrigation systems C18 is a 'must visit' stand. B.O.I.L are staging a comprehensive display of popular tried and tested equipment including conventional and valve-in-head pop-up sprinklers, high efficiency solenoid valves, electronic control systems, associated hardware and Hunter's new PSC con-
And now to the Green Issue...

"Ladies and Gentlemen, I have a formal request from our Greenkeeper that we discuss the benefits of purchasing our own grinding equipment. He has researched the market and concludes, without any doubt that Atterton grinders are the finest available..."

"In-situ grinding – huge time savings"

"Separate cylinder grinding – the ideal time to sharpen"

"The cutting unit sits on a flat bed – avoids angled set-ups"

"A single action foot pedal to set-up – simple one-man operation"

"No more high service cost outside sharpening – reduced costs"

"Choice of machines, Express Dual '1000' or the new multi–featured '2000', with new features as shown – a relief may be ground on the cylinder cutting edge and our heavy gang units can now be positioned on the grinding table by one man"

"Anglemaster the ideal partner for grinding bottom blades – simple set-up makes this the only choice for the job"

"Costs are reasonable and we'll be able to keep on top with the grass cutting – the members will benefit and the GREEN ISSUE will be a thing of the past!"

"That's a unanimous vote in favour I believe – I'll advise the Greenkeeper to go ahead"
Netting for all seasons

Perimeter Netting
Anti-Ballplugging Nets
Frost Protection Sheets
Grass Germination Sheets

Stand No. B13

Tildenet Ltd,
Longbrook House,
Ashton Vale Road,
Bristol BS3 2HA
Tel: (0117) 9669684
Fax: (0117) 9231251

TILDENET ••• •••
Netting for all seasons

BOURNE AMENITY
(01797) 252298
TWO COMPANIES JOINING FORCES
DUNLOP SPORTS SANDS
TOP DRESSINGS
ROOTZONES
HARDEN REDTRACK
JOIN US AT BTME STAND C16
TILCON
(01260) 275214

Golf Course Equipment

WINTER TEE MATS
We offer a choice of quality Tee Mats at a price to suit you

WINTER HOLE CUPS
The most economical way of saving the greens this winter

ANTI-BALL PLUGGING NETS
This new concept prevents the ball from sinking in boggy, waterlogged areas

SPECIAL OFFER
TOP QUALITY RANGE BALLS
£4.25 per dozen

CALL NOW FOR FURTHER INFORMATION
H. Pattisson & Co Ltd,
342 Selbourne Road,
Luton, Beds LU4 8NJ
Tel: 0582 597262 Fax: 0582 505241

BIGGA
SOUTH TURF
Wednesday June 21, 1995 at Motspur Park

With over 50 exhibitors and more than 600 visitors in 1994, this is the biggest small show in the South. You can't afford to miss it!

For more information call:
Louise Lunn on 01347 838581 (Office Hours)
Or David Wood on 01342 850675 (Evenings and Weekends)
troller for small scale projects. Backed by 72 years of spec-
ialist irrigation design and contracting experience B.O.I.
staff will welcome the opportunity for a uniformed discus-
sion of your interest, whether it be an entirely new project,
upgrading an existing system – or simply to ‘Talk Irriga-
Our systems work at night so you have a nice day!”

BRITISH SEED HOUSES LTD

Stand No. A12
Bewsey Industrial Estate, Pitt Street, Warrington,
Cheshire WA5 5LJE. Tel: 01925 654411 Fax: 01925 416676
Contact: Jonathan Frankes

The company will be exhibiting a model of a golf course
illustrating where there Grade ‘A’ range of grass seed mix-
tures can be sown. B.S.H. is fortunate in being able to offer
market leading cultivars that have all been well rated in
independent trials carried out at the Sports Turf Research
Institute. Well proven cultivars such as Freido and Gailia,
that give quick establishment and hard
wear, with an excellent root system, Logro Stender
Creeping Red Fescue that has a naturally prostrate habit of
growth, Julia Smooth Staked Meadow Grass for hard wear
and Duchess Bent.

BTEM ‘96

Stand No. C50
Aldwarke Manor, Aldwarke, Alne, York, Y06 2NF,
Tel: 01347 838581 Fax: 01347 838864
Contact: Louise Lunn

BTEM ‘96 information and booking forms will be available
from Louise Lunn on the BIGGA Stand C50. BTME ‘95 was
sold out with 146 exhibitors in November 1994. Unfortu-
nately numerous companies were disappointed not to be
able to exhibit, particularly as some had exhibited in previ-
ous years. To ensure everyone gets the maximum from the
1996 show please speak with Louise Lunn or Bill Lynch during
the course of the exhibition. They will be able to explain the
opportunities available at BTME ‘96.

CANNINGTON COLLEGE

Stand No. C36
Cannington, Bridgwater, Somerset, TA5 2LS,
Tel: 03736 652400 Fax: 0278 652479
Contact: Huw Parry

Cannington College, Somerset will attain a world-first in
April 1995, when the first students graduate from the very
first HND in Golf Course Management. The course, which
was initiated by BIGGA over three years ago, has benefited
to the College’s many years of expertise and continued
association with BIGGA. In December the College also
acquired a highly prestigious Grade 1 in Horticulture from
the government funding council (Further Education Fund-
Cing Council). The new golf course, designed by Martin
Hawtree, has been a perfect training ground for students,
who also saw the opening of the college’s clubhouse, part-
funded by the Royal and Ancient, in July 1994. Courses
were run by the college include: BTEC National Diploma in
Sports Turf and Golf Course Management, BTEC HND Hor-
ticulture (Golf Course Management), BTEC HNC Golf
Course Management.

CHARTERHOUSE TURF MACHINERY LTD

Stand No. A18
Westbury Industrial Estate, Weydown Road,
Haslemere, Surrey, GU27 1DW, Tel: 0428 661222
Fax: 0428 661218
Contact: David Jenkins

Contact: Nick Lund
Claymore Grass Machinery, UK distributors for Sabo
辊刀, a professional lawnmower, will be showing the
eco-friendly model SRM 343SL which does away with the neces-
sity of mixing two stroke fuel. ECHO Brushcutters have
cut 60% off their prices after renewable energy is
smoking, making starting easier and, in cold parts, stop-
ing diesel fuel from waxing.

Tanks, fuel dispensing equipment, fuel transit boxes, oil
absorption equipment for greases, paint, engine oil,
line line-spray, retractable reels, insect repellant, and a new
non-ionic wetting agent are all on the Course Care display.

ELMWOOD COLLEGE

Stand No. A25
Park Farm, Dunsdale, Guisborough, Cleveland,
TS14 6RQ, Tel: 0642 475009 Fax: 0642 471036
Contact: Ian Kinchin

The company will be exhibiting a model of a golf course
upgrading an existing system – or simply to ‘Talk Irriga-
Our systems work at night so you have a nice day!”

FLEXIRIG is a simple - get the course to buy a Hunter Pre-
reduce maintenance bills and improve course standards.

The Golf Development Department through their network
of County Union Field Officers are available to advise and
assist potential developers and to give guidance to local
planners. The department have compiled the most comprehensive report
on planning applications and are able to provide detailed information on all the various facets of the demand for
golf courses in England. These include tournaments, member-
ship, handicaping, rules, golf development and adminis-
tration.

The Golf Company, Golf Union are the Governing Body for Mms
Amateur Golf and are responsible for all aspects of the
game in England. These include tournaments, member-
ship, handicaping, rules, golf development and adminis-
tration.

Why not pay a visit to Hunters stand and see for yourself
how excellent grass mowers are and you are sure of a


OPENING TIMES

Wednesday January 25:
9am-5.30pm

Thursday January 26:
9am-5.30pm

Friday January 27:
9am-1.30pm
The MVEHH ride-on's uniquely designed 1 metre mower deck enables the machine to cut and clear long wet grass without clogging. Optional attachments include a grass collector and a rotary sweeper. The new hectare metre for Etesia ride-ons provides an accurate record of all the areas A1 Valley Way, Market Harborough, Leicester, Tel: 0858 434011 Fax: 0858 464910

EUROMEC LTD
Stand No. B49
1 Valley Way, Market Harborough, Leicester.
Tel: 0858 434011 Fax: 0858 464910
Contact: Peter Crewe
Euromec Ltd will be displaying their new range of front deck mowers and collection machines offering excellent productivity at very competitive prices. The mowers combine high speed blades and a powerful vacuum system with large hoppers and a powered high lift dump. This means that grass will be cut effectively leaving lawns clear and attractive. Easy emptying minimises unloading time. Hydraulically lifting front cutting decks and zero turning circles offer exceptional maneuverability. Also available is a wide range of extras. Euromec's Turbovac and Muckloda vacuum collection machines will also be on display as will their range of ride-on and walk behind sweeping machines.

FAIRWAY FINANCE
Stand No. C27A
United House, Bartley Way, Hook, Basingstoke, RG27 9UF, Tel: 01256 744151.
Fax: 01256 744300
Contact: Michelle Simpson/Alex Woolfenden
Fairway Finance is the first operation in the UK to be dedicated to machinery and equipment finance for the golf sector.
Fairway Finance is a division of UFB Humberclyde, the fourth largest asset financing company in Europe. The wider Group headed by Compagnie Bancaire enjoys an AA International credit rating and is represented across Europe. Fairway Finance offers a bespoke range of financial products and services to established Golf Clubs in the UK designed to: Improve budgeting and cash flow. Support future planning for machinery acquisition, Save you time and money. Provide flexibility to suit your special needs.

FARM AND GARDEN MACHINERY LTD
Stand No. C25
Red Hill House, Hope Street, Saltaire, Chester, CH4 8BU, Tel: 0244 671166 Fax: 0244 674494
Contact: Paul Butler
Shibaura's a leading Japanese manufacturer of tractors and commercial mowers with world wide reputation for building excellent products powered by their own diesel engines. The range starts with 16HP ride on mowers followed by the “S” range which is a 20-30 HP multi purpose tractor with mid mounted deck. Shibaura produce two out front mowers 22 HP and 27 HP which have many unique features followed by the 33 HP and 38 HP tractors which are supplied with turf tyres - ideal for golf clubs.

FARMURA LTD
Stand No. A19
Stone Hill, Egerton, Ashton, Kent, TN27 9BU, Tel: 0233 756581 Fax: 0237 756419
Contact: Mrs Lynette Hamer
With a major new product launch to be announced Stand A19 is one not to miss.
Farmura will also be displaying their full range of Environmentally Sensitive Management Products which are not only popular in the United Kingdom but world-wide. Of special interest will be the advanced range of Super Concentrate fertilisers offering benefits in storage, handling and transport – a range proving very popular with users.
Together with their market leading range of Organic Liquid Fertilisers, Farmura will also be displaying FerroLiq Liquid Iron. Bazon Spray Pattern Indicator and Foresight Wetting Agent.
Come and collect a copy of the award winning Farmura product manual.

FLEET (LINE MARKERS) LTD
Stand No. B11
Fleet House, Spring Lane Industrial Estate, Malvern, Worcs, WR14 1AJ, Tel: 01684 573535
Fax: 01684 892784
Contact: Guy Jenkins
Fleet are exhibiting their new Xylene free aerosols with improved durability and a distinctive line forming nozzle. Semi-permanent lines are achievable using Fleet T-Piece, an easily placed but non-lifting p.v.c. line for turf. Machinery on exhibit includes the Starliner, successfully used by groundsmen for applying top dressing to sunken irrigation channels and the Aeroliner for applying aerosols to hard surfaces.

FOX CONTRACTING (OWMBY)/
MADDISON WATER TECHNOLOGY
Stand No. C52
39 Clay Hall Drive, Spalding, Lincolnshire, PE11 2EB, Tel: 0775 725131 Fax: 0775 725131
Contact: Gilbert Maddison
Comprehensive range of products and services available from both companies. Fox Contracting with many years experience and in house expertise can undertake complete design, construction and maintenance contracts for golf courses and all other leisure and sporting facilities. As well as new projects we specialise in lake/reservoir construction, resurfacing or building new greens and tees, drainage, reseeding or turfing.
MWT offer design, supply and installation of irrigation systems for all types of sport and leisure applications. Both companies have experienced staff on the stand to discuss your future projects.

GARFITS INTERNATIONAL LTD
Stand No. B27
106 John Street, Sheffield, S2 4QU, Tel: 0742 726240 Fax: 0742 726459
Contact: Derek Cooper/Andrew Brooks
Garfits development of a comprehensive product range for the professional has been further expanded during the last year giving them by far the lead in providing a complete service of quality spares. Only a small representative stock can be displayed, however a call at the stand to receive your 1995 catalogue can prove to be a worthwhile exercise.

GEM PROFESSIONAL
Stand No. B31
Brookside Lane, Oswaldtwistle, Accrington, Lancashire, BB5 3NY, Tel: 01254 393321 Fax: 01254 236775
Contact: Patrick Dyer

Stand No. C52
106 John Street, Sheffield, S2 4QU, Tel: 0742 726240, Fax: 0742 726459
Contact: Derek Cooper/Andrew Brooks
Garfits development of a comprehensive product range for the professional has been further expanded during the last year giving them by far the lead in providing a complete service of quality spares. Only a small representative stock can be displayed, however a call at the stand to receive your 1995 catalogue can prove to be a worthwhile exercise.

GEM PROFESSIONAL
Stand No. B31
Brookside Lane, Oswaldtwistle, Accrington, Lancashire, BB5 3NY, Tel: 01254 393321 Fax: 01254 236775
Contact: Patrick Dyer

See us on Stand A15 at BTME
The largest privately owned manufacturer of fertilisers and dressings. Gem Professional look forward to facilities at Accrington and the Quarry in Doncaster. All the will show a photographic display of the manufacturing provide product information and to assist you to choose GOLF CLUB MANAGEMENT Harling House, 47-51 Great Suffolk Street, London, Tel: 0181 633 0281 Fax: 0181 633 0282 Contact: David Hennelly Golf Club Management is the official journal of the Association of Golf Club Secretaries. Published eleven times a year, GCM in the Secretaries informed of problems and driving range affecting the day to day running of a Golf Club and Course. With a features list covering both the Clubhouse and the Course, plus a range of regular features, GCM is essential reading for today's Golf Club Secretary. Free copies of GCM will be available from our stand.

The GOLF SIGN COMPANY Stand No. B32 65/69 Old Chester Road, Birkenhead, Wirral, Tel: 0151 647 8081 Fax: 0151 666 1087 Mobile: 0831 630309 Contact: David Purtill Specialist Sign manufacturers for all of the Golf Industry, Engravers, Printers and Sign makers since 1887. This will be our third year at Harrogate, and the launch of our new Golf Pro printing service. Customised flags with Badges, Crests and Logos will be on display along with our famous Greenkeeper Range of standard signs. Watch out for our Exhibition Special Offer on the Greenkeeper range. Another first will be our latest Graphic Computer on dis-

GOLF COURSE SUPERINTENDENTS ASSOCIATION OF AMERICA Stand No. C2A 1421 Research Park Drive, Lawrence, Kansas, 66049-3859, USA, Tel: 0101 931 841 2240 Fax: 0101 931 832 4449 Contact: Don Brethauer The Golf Course Superintendents Association of America (GCSAA) represents nearly 14,000 members in 50 countries related to the golf course management profession. GCSAA’s primary membership is made up of the men and women who manage the playing fields of golf – known in the trade as superintendents. GCSAA’s services include a large education curriculum, several member publications including Golf Course Management magazine as well as sponsoring the largest trade show in the world for golf course management. GCSAA is pleased to participate in BIGGA's annual BTME ’95 show this year in Harrogate.

J D GREASLEY LTD Stand No. C27 Windridge, 48 Station Road, Rearsby, Leicestershire, LE7 4YI, Tel: 0664 424770 Fax: 0664 422126 Contact: J H Greasley John Greasley established the company some ten years ago to specialise in Golf Course Construction. The Company have been in carrying out works of the highest standard for a reasonable price. It has considerable experience in the construction of new courses and alterations to existing ones. During the last 12 months we have constructed a new 18 hole course at Rudding Park, Follifoot, Harrogate. The Course built in the picturesque setting of Rudding House, has been skillfully blend into this parkland estate in a manner in keeping with the surroundings. Alterations recently completed include the reconstruction of the Greens at the Open Championship Course, Royal Birkdale, Southport, a programme of bunk construction at Wollaton Park Golf Club, Nottingham, a New Greens construction at Longcliffe and Scrapthorpe Golf clubs both in Leicestershire. Currently two new greens and surrounds and six new tees are being constructed at Chirk Golf and Country Club, nr Westham, North Wales.

Our expertise in carrying out alterations, enables work to be done causing minimal damage to the course and as little disruption to the golfers as possible.

GREENTECH Stand No. B14 PO Box 1, Bury St Edmunds, York, Y06 9YN, Tel: 01423 324342/0585 797831 Fax: 01423 324342 Contact: Richard Kay It's new and it's on Stand B14: Yorkshire based Green-Tech will be displaying its latest technology to customers old and new. Green-Tech has been appointed distributor for Headland Agrochemical's range of amenity and commercial turf products. Other features on the stand include Vitagrow fine turf fertilisers, micro granular fertilisers and top dressings, Greensprays C.D.A. chemical range, Atlas interlaces "Low Drift," Sharp's 'environmental Designer' grass seed range and Easy Picker Europe Europe's leading range of turf cutting machinery. The Company's contracting service will be promoting its delivered and spread service for fertilisers and chemicals. We look forward to your enquiry.

GROUNDSMAN INDUSTRIES LTD Stand No. B51A The Mill, Seymour Street, Ballymoney, Co Antrim, Northern Ireland, BT53 6JR, Tel: 02065 67049 Fax: 02065 668750 Contact: Billy Warke The Groundsmen range of tractor mounted and pedestrian aerators offer greenkeepers the largest selection of tines on the market. With full and part size tines, greenkeepers can effectively carry out regular aeration. The vertical action used in all the range gives clean fine withdrawal – without lifting or tearing the surface. Proven, robust yet low maintenance these machines are popular with the greenkeeping staff.

Call and discuss with us your aeration requirements – Stand B51A.

HADLOW COLLEGE OF AGRICULTURE & HORTICULTURE Stand No. C32 Hadlow, Tonbridge, Kent, TN11 0AL, Tel: 0732 850551 Fax: 0732 851957 Contact: T J Firmanst – Vice Principal Hadlow College in West Kent offers Day Release courses in golf Greenkeeping at RVO Level 2, over a two year duration. The courses involve one day per week during the Autumn and Spring together with two periods of 3-day mini blocks spread in each of the two years for additional practical instruction. The courses are held at both Hadlow College and the headquarters of the College, in order to ensure that students gain knowledge and practical competences concerning the management of grass Greens and Greens Courses. The subjects are those contained within the training scheme offered by the Greenkeepers Training Committee. The College is developing a specialised training area, constructing various greens and tees for instruction and training purposes.

HARDI LTD Stand No. A31/C54E 4-5 Watling Close, Skelton Meadows Business Park, Hinckley, Leicestershire, LE10 3EX, Tel: 0455 233811 Fax: 0455 233815 Contact: Colin Gregory Hardi Ltd the leading supplier of chemical application equipment to the Amenity Market will be displaying a full and comprehensive range of spraying equipment especially designed for the market. Whether your requirements are for mounted, trailed or demountable, Hardi has the answer.

A New Powered Hose Reel will be displayed for the first time at BTME. This eliminates the need for un glance lengths, being left on your golf course or sportsfield. Hardi and their association with Greencare Industries will be displaying a full range of Aeration Equipment, namely the Coirmaster 12, Shattermaster and the Coirmaster 6 range of three pedestrian operated aerators. There will be one or two demonstrations on the Hardi Stand. Come and inspect everything at first hand and discuss your individual requirements with experts in their field. You will be assured of a warm welcome!

HARTPURY COLLEGE Stand No. C34 Hartpury House, Gloucester, Tel: 0452 700032 Fax: 0452 700066 Contact: Debbie Kirkham Today's horticultural industry is undergoing rapid change and expansion. Parks, gardens, sports fields, golf courses, and nurseries all require quality staff and qualified peo- ple. The choice of career is wide including jobs such as greenhouse workers, groundpersons, interior and exterior landscapers and a range of positions in allied industries. Hart- pury College in Gloucestershire is one of the first colleges in the country to develop a successful career, built on the expertise of its staff and the excellence of its facilities. For details of how the college can help you gain the qualifications you need contact the Marketing Department.

HAYTER LIMITED Stand No. C57 Springkirk, Bishop's Stortford, Hertfordshire, CM23 4BU, Tel: 0279 723434 Fax: 0279 600338 Contact: Barbara Garton Hayter will be showing their impressive line up of grass cutting machinery. Their range of equipment is for all golf course and local authority market. Also being shown for the first time will be their latest self propelled fairway mower, making a welcome addition to the golf course machine family. The display will include Beaver TMS20 gang mower, the
Articulator wide-area rotary with fully floating heads, the smaller economical T12 machine.

Suite 4d, East Mill, Bridgefoot, Belper, Derbyshire, latest lightweight Triple mower the Beaver LT312 and the assured from David Hemstock Associates, specialist design consultants dedicated to the restoration or rejuvenation of established courses, and the development of enjoyable, attractive and successful new projects. The company specialises in survey, design, project management, and offering schemes large and small, always combining creativity with technical expertise.

Recent design projects include Ashbourne, Eastham Lodge, and West Bradford Golf Clubs; with two new courses, the Manor Golf Club, Leed, and Rutland Park Golf Centre, Nottinghamshire, opening in 1994. To handle enquiries from continental Europe, an office has now been established in Germany.

HENTON & CHATTELL LTD
Stand No. C53
London Road, Nottingham, NG2 3HW,
Tel: 0602 862161 Fax: 0602 866169

Contact: Peter Chaloner
Over the last 30 years Henton & Chattle has established itself as the UK's No.1 grass machinery distributor. The Quickpart service supplies parts to over a thousand trade, public authority, golf club, contractor, and industrial customers throughout the country. With over 40,000 lines of stock Quickpart ensures a fast, reliable 'one stop shop' supply of parts for all your grass machinery needs. We also offer competitive prices and excellent service for the supply of Ransomes, Cushman, Kubota, Flymo, Atco, Honda, Victa, Mountfield, Westwood, Hayter, Wessex, Harryd, Allen, Andrews, Dori, Littledower new machinery.

W.E. HEWITT & SONS LTD
Stand No. B54
45 Cambridge Road, Cosby, Leicester,
Tel: 0116 2867029 Fax: 0116 2751084

Contact: Peter Rich
W E Hewitt & Son Ltd, established over 30 years. Specialists in sports turf construction and design. Drainage systems designed using state of the art technology. Demonstrations of the 3D CAD/CAM software and hardware every hour on the hour Stand B54. Also there will be experienced staff on the stand to help with any queries.

HHI ELECTRONICS
Stand No. C19
Unit G15, Rudford Industrial Estate, Arundel,
Fax: 0903 320002 Contact: David Carter
HHI manufactures a range of irrigation controllers capable of controlling from 4 to 400 solenoid valves. The company makes both multi-wire and two-wire irrigation controllers, the two-wire controllers are designed for turf irrigation over a large physical area. This year HHI Electronics is launching the MCI-400S two wire controller which is designed for irrigation of Golf Courses. The HHI controller can control up to 4000 solenoid valves with up to 12 valves being operated simultaneously.

All controllers include an impressive range of features and with the capability to customise the controller to meet the customiser requirements. The controllers also allow to the direct attachment of the light sensor, a rain sensor and/or a volume meter to provide more sophisticated control of irrigation.

HLD LIMITED
Stand No. C29
New Potters Grange Road, Goole,
Tel: 0405 766060 Fax: 0405 786022
Contact: Martyn Spence
Exhibiting for the first time, HLD will be featuring all aspects of their timber landscape and engineering product range. With projects completed on several prestigious golf courses throughout the UK, HLD is offering an unrivalled service for the design manufacture and installation of timber bridges, boardwalks and access structures. Lake edge and bank retention projects have been completed using the Weerbaar hout system and modular pergolas, gazebos, shelters, screening, planters and deck structures complete the range. HLD can manufacture to individual client specification and all tanalised redwood structures carry a unique 25 year guarantees guarantee.

HOLE IN WHITE (EUROPE)
Stand No. A3
Skinners Farm, Epping Lane, Stapleford Tawney,
Romford, Essex, RM1 1ST, Tel: 0708 688435 Fax: 0708 688439

Contact: Mr R D Paterson
Hole-in-White is joined this year by the Greenkeeping Supply Co, Lain Gavally, Southern Office - Tel/Fax: 0245 248880, Northern Office - Tel/Fax: 0243 522969, Mobile: 0860 724798.

HUMATE INTERNATIONAL
Stand No. C108
50A Market Place, Thirsk, North Yorkshire,
Tel: 0945 255285 Fax: 0453 5132113
Contact: John McAuloch
Hume is offering our humic acid products and wetting agents. They include liquid Humeate, granular Humate, Iron and Iron/Manganese Chelates and Humate Stress Reliever. The wetters include Aqua-Aid and Aqua-root pellets. Aqua-Aid, Aqua-root and Aqua-root plus iron liquids and dry spreadable Aqua-Aid and Aqua-Root. Aqua-Root wetters contain Humate. Also being shown is a new range of micro-organism based products, some of which contain Humates. They have application in turf for thatch removal, growth enhancement and disease eradication. The stand will also feature the products and services of Vitasport and SAS.

Come and say hello to
SAMANTHA
Personal Assisant
on the BIGGA stand, C50, at Harrogate.

HULVES GRASS MACHINERY LIMITED
Stand No. A34
The Dean, New Alresford, Hampshire, S024 9BL,
Tel: 0962 733222 Fax: 0962 734702
Contact: Martin Cooke
Hulves will be exhibiting the exciting new Sol Reiiver deep tining machine for the first time at Harrogate. The key features of the Soil Reiever include speed (no tractor creeper gear required), strength of construction, smooth operation and cleaner finish. Also on show will be a display of the range of turf products of which contain Humates. They have application in turf for thatch removal, growth enhancement and disease eradication. Other items from Hulves' range of fine turf maintenance machinery will also be shown and we look forward to discussing your requirements with you.

INTEFURY LIMITED
Stand No. A36A
Regent Street, Pocklington, York, Y04 2QN, Tel: 0759 304101 Fax: 0759 305229.
Contact: John Edwards
Inturf, as a well established grower of high quality, purpose-grown turf, will this year again display their full range of turf products alongside their new mechanised turf handling and installation equipment. Technical advisory services are available under the banner of Turfgrass Services International Ltd, a company operated within the Inturf Group. Also being shown is the accomplishment of a full quality management system verified by ISO 9002. Qualified Company personnel will be available to discuss all requirements. Please visit our stand number A36A.

JACOBSEN E-Z-GO
Stand No. C51
Telford Way, Kettering, Northants, NN16 8UN, Tel: 01536 411777 Fax: 01536 310245
Contact: Mark Orme / Scott Bullock
Jacobsen one of the worlds leading manufacturers of grass cutting and turf maintenance equipment will be attending BTME 1995. Jacobsen will be exhibiting a wide range of equipment which is capable of undertaking all turf maintenance required on golf courses, parks and indeed on any area of amenity turf. Whatever your turf care requirements visit Jacobsen on Stand No. C51.
On show will be a comprehensive range of turf care and grass maintenance machinery to maintain a golf course in a top class condition. Machinery being exhibited includes tees, greens, rough and fairway mowers and also a range of maintenance trucks and attachments.

Contact: Chris Costello
For over 60 years members of the Institute of Groundsmanship have been responsible for the management and maintenance of Britain's sportsgrounds and leisure centres, working not only as groundsmen and greenkeepers but also as playing-field officers, landscape managers, estate supervisors, contractors and in horticulture and arboriculture, education and training. They benefit from access to valued qualifications through the Institute's own examination system, supported by a reference library, practical training courses, seminars and conferences, exhibitions and field days, and a free monthly magazine. There is also a package of special membership benefits and a programme of social activities through 45 regional branches.

INTER-DRAIN LIMITED
Stand No. B47A
Holland Hill, Low Road, Northfield, Wheatley, Notts, DN22 9DS, Tel: 01427 880000 Fax: 01427 881024
Contact: John T Taylor
The new all AEBI T760 Terratrac implement carrier with three point linkage and PTO at the front and rear of the machine, 46 horse power, fully hydrostatic drive, 4 modes of steering - all selectable from the drivers seat. This gives a wide range in applications i.e. Golf course, landscaping and sports field maintenance. With its wide wheel base and low centre of gravity the AEBI Terratracs are still ideal for embankment mowing.

INTER SEEDS LTD
Stand No. C7
Thom Farm, Evesham Road, Inkberrow, Worcestershire, WR7 4LJ, Tel: 01386 793135 Fax: 01386 792716

Contact: Derek Smith
The PRO range of amenity grass mixtures continue to represent the best value available. Top varieties have been formulated into 20 specialist PRO mixtures, in addition mixtures can be tailored to suit individual projects.

In line with the continued interest in conservation 11 PRO FLORA wild flower mixtures have been designed to suit specific types of areas, using only native British Species.

Also available, a new series of pre-germinated grass blends and a range of biodegradable erosion control matting for establishment of vegetation on difficult and steep sites. Technical staff will be available to answer enquiries.

INTURF LIMITED
Stand No. A36A
Regent Street, Pocklington, York, Y04 2QN, Tel: 0759 304101 Fax: 0759 305229
Contact: John Edwards
Inturf, as a well established grower of high quality, purpose-grown turf, will this year again display their full range of turf products alongside their new mechanised turf handling and installation equipment. Technical advisory services are available under the banner of Turfgrass Services International Ltd, a company operated within the Inturf Group. Also being shown is the accomplishment of a full quality management system verified by ISO 9002. Qualified Company personnel will be available to discuss all requirements. Please visit our stand number A36A.

JACOBSEN E-Z-GO
Stand No. C51
Telford Way, Kettering, Northants, NN16 8UN, Tel: 01536 411777 Fax: 01536 310245
Contact: Mark Orme / Scott Bullock
Jacobsen one of the worlds leading manufacturers of grass cutting and turf maintenance equipment will be attending BTME 1995. Jacobsen will be exhibiting a wide range of equipment which is capable of undertaking all turf maintenance required on golf courses, parks and indeed on any area of amenity turf. Whatever your turf care requirements visit Jacobsen on Stand No. C51.
On show will be a comprehensive range of turf care and grass maintenance machinery to maintain a golf course in a top class condition. Machinery being exhibited includes tees, greens, rough and fairway mowers and also a range of maintenance trucks and attachments.

JOHN DEERE
Stand No. B48
Langar, Nottingham, NG13 9HT, Tel: 0949 606491 Fax: 0949 863400
Contact: Graham Williams
John Deere's commitment to the golf and turf industry is reflected in a full range of equipment being exhibited at Harrogate. The Company has experienced considerable
The growth in 1994 and looks forward to additional success in 1995. Much of our growth has come from the 3235 lightweight fairway mower, the 2653 Tees and Surrounds mower and the 2243 Greens triplex. Our machines have proved popular with greenkeepers because of their high quality of cut and ease of adjustment. The Gator low ground pressure utility vehicle is ideal for all load-carrying operation. Our new 223 greens mower, features an 11 bladed cylinder and ease of adjustment. Much of our growth has come from the 3235 lightweight and realistic areas around the golf course; and short for the Greens and parts of the Fairways. Full details are provided on the specialist mixtures - J1 and J2 (both treated with the fungicide Apron T) and Greensmaster for Greens; J3 for both Tees and Fairways; JG 64 for Fairways alone; and J8 for Roughs. Examples of wild flower mixtures are also available to blend with the grass in certain areas. Johnsons J team will be present to discuss individual golf course requirements.

KAWASAKI MOTORS (UK) LTD
Stand No. C15
1 Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5XF, Tel: 01628 651000 Fax: 01628 650886 Contact: Peter Yeow With low ground pressure characteristics, automatic drive, useful cargo beds and ability to carry up to two people, Kawasaki’s Mule utility vehicles are finding many customers in turf care.

KUBOTA (UK) LTD
Stand No. C54B
Unit 17 Greenwich Close, Landseer Road, Ipswich, Suffolk, IP3 0DD, Tel: 01473 289158 Fax: 01473 289161 Contact: Clive Lockwood L.G.M. Ltd (Lesco) will be exhibiting the widely accepted Lesco 3000 Greensmower, complete with 3 wheel drive, greens units and turf groomers. Also available are tee/surround units and venti-cut units for all three Lesco Greensmower models. For granular fertiliser distribution Lesco offer a 80lb Cyclone spreader with deflection chute and hopper cover, with the deflection chute lowered fertiliser is only ejected to one side of the machine. The Lesco 80lb Cyclone spreader is now established as being the most accurate on the market. The application of the fine granular fertiliser or seed can be obtained from the Lesco 36” drop spreader.

KINGS HORTICULTURE LTD
Stand No. B9
4 Lancaster Way, Earls Colne Industrial Park, Earls Colne, CO6 2NS, Tel: 0787 223300

The Mule 2500 displayed is fitted with a top dresser powered by a Hydraulic Power Pack to demonstrate the versatility offered. Other variants include the Mule 2500E which can be registered for limited road use by bonafide users, plus the 4x4 Mule 2510. Able to use a wide variety of after-market equipment, and with weatherbreak (not safety) cabs available as Genuine Accessories, these vehicles offer year-round practicality for a host of tasks.

Contact: John Hinton On stand 89 Kings Horticulture will have details of their unique product range including: Floranid, the proven quality slow release fertilisers from Germany, Ironite easy to apply granular slow release iron and Deeproot simple to use strimmer guards for trees from America, Satura effective re-wetting granules that resist up to 12” water from Australia, Forum Floor protective, flexible grass protection from Sweden. Unique, innovative products from Kings Horticulture for the professional management for modern golf clubs.

KESTREL GOLF
Stand No. B15
The Fairways, King Street Lane, Winnersh, Wokingham, Berkshire, RG11 8AX, Tel: 0734 792954 Fax: 0734 795353 Contact: Lynne Hedges Kestrel Golf together with its mother company E&S Sports Ground Contractors offer a highly professional team who are capable of dealing with all aspects of sports turf and golf course maintenance and construction work. Kestrel Golf are currently building a Jack Nicklaus design course at Borecrooks, Hertfordshire and with the additional experience of several other construction projects, the Kestrel team can offer a high standard of workmanship. E&S Sports Ground Contractors provide a complete sports turf maintenance service, including cultivation and seeding, drainage, sand and gravel slitting, topdressing and sand spreading using E&S’s own designed Red Valiant Top Dresser.

KINGS HORTICULTURE LTD
Stand No. B9
4 Lancaster Way, Earls Colne Industrial Park, Earls Colne, CO6 2NS, Tel: 0787 223300

Contact: Stuart Ellis - Tractor Sales Manager Grandel - the new range of compact tractors is the main feature of Kubota (UK) Ltd’s stand. All three models, the 35hp L3300, the 38.5hp L3600 and the 45hp L4200 are on show. Also featured is the 29hp ST-30 tractor with Bi-Speed Turn together with a selection of professional ride-on mowers. A line-up of power products – walk behind mowers, brushcutters and hedge trimmers can also be seen.

L.G.M. LTD (LESCO)
Stand No. C54B
Unit 17 Greenwich Close, Landseer Road, Ipswich, Suffolk, IP3 0DD, Tel: 01473 289158 Fax: 01473 289161 Contact: Clive Lockwood L.G.M. Ltd (Lesco) will be exhibiting the widely accepted Lesco 3000 Greensmower, complete with 3 wheel drive, greens units and turf groomers. Also available are tee/surround units and venti-cut units for all three Lesco Greensmower models. For granular fertiliser distribution Lesco offer a 80lb Cyclone spreader with deflection chute and hopper cover, with the deflection chute lowered fertiliser is only ejected to one side of the machine. The Lesco 80lb Cyclone spreader is now established as being the most accurate on the market. The application of the fine granular fertiliser or seed can be obtained from the Lesco 36” drop spreader.

On Site with Hunter Golf

Gear-Drives That Go The Distance

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

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

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

Authorized Hunter Golf Distributor
Sports Ground Irrigation Co.
6, Stuart Road
Market Harborough
Leicestershire LE16 9PQ
Tel: 01858 463153
Fax: 01858 410065

Sports Turf Services
Newbridge, Midlothian EH28 8LE
Tel: 0131 333 2345
Fax: 0131 333 5311

Hydraulic Valve-In-Head
G-600 Check-O-Matic
G-550

SEE US ON STAND A8 AT BTME

Europe: 26ter rue Sallier, 13100 Aix-en-Provence, France · Tel: 33-42-93-03-68 · Fax: 33-42-93-03-84
LAMBORGHINI (UK)  
Stand No. C61  
Barby Lane, Barby, Nr Rugby, Warwickshire, CV23 8TD, Tel: 0788 891446 Fax: 0788 891337  
Contact: Mike Crossley  
25, 33 and 42 DIN HP compact models. 12 x 12 synchro- 
shootle gearboxes. Independent 540/1000 rear P.T.O.  
2000rpm mid P.T.O. Powerful hydraulic linkage (1200kg)  
with front and rear dual control. Optional Q cab. Loader,  
backhoe, mower deck, collector all optionally available.  
60 & 70 DIN HP lightweight, versatile general purpose mod- 
els. 65 & 75 DIN HP compact format, high specification models  
with reverse drive and front linkage and P.T.O. options.  
LAMINATED  
Stand No. C23  
1 Blieridge Industrial Estate, Halstead, Essex, CO9 2EX, Tel: 0787 476699 Fax: 0787 472507  
Contact: Michael Pomfret  
Laminated is a leading supplier of quality and durability in  
order to be a major new product that will suit the needs of  
all businesses. The company offers a complete range of  
products including laminating, binding, and business cards  
and brochures are also to be found at the BIGGA  
Northern Region stand, C41A.  
LLOYDS & CO LETCHWORTH LTD  
Stand No. B34  
Birds Hill, Letchworth, Herts, SG6 7JE.  
Tel: 01462 683031 Fax: 01462 481964  
Contact: Derek Haley  
On show for the first time this year will be the new Lloyds  
ELITE' Motor Triple together with our new 24" Paladin  
Fine Turf Motor Mower with re-designed grass box. Also  
on show will be our Leda Gang Mowers suitable for the  
rough and semi-rough fairway courses. Our staff will be pleased  
to discuss with both prospective and existing customers  
our complete range of professional grass cutting equi- 
ment and our after sales service, which we can claim to  
be second to none, backed up by our helpful trained staff both in the  
office and in the field.  
MARTIN BROTHERS UK LTD  
Stand No. B9  
18 George Street, Alderley Edge, Cheshire, SK9 7EJ, Tel: 01625 564571 Fax: 01625 568130  
Contact: Nick Gray/Andrew Law  
Martin Brothers UK Ltd is kept to a minimum staff. And when  
over three decades experience of servicing the amenity market place with quality  
sands and aggregates.  
We are now at the forefront in the supply of finest quality  
top dressings and rootzones.  

 Contact: Stephen Fell  
Stareton, Nr Kenilworth, Warwickshire, Tel: 01203 531000 Fax: 01203 531194  
Contact: Tony Doe  
Massey Ferguson Grass Equipment supplies a wide range of  
compact tractors and turfcare machinery for the profes- 
sional groundscare market. In addition to its own branded  
products, the company is the exclusive distributor for Iski  
turfcare equipment and Bucher grounds maintenance  
machines in the UK and Ireland. All three ranges are sold  
through a nationwide network of dealers.  
On show at BTME will be models from the 17 to 35 hp MF  
1200 compact tractor line-up and the 25 to 45 hp Iski TA  
compact tractor range. Also on exhibit will be the Iski SF  
300 diesel front cutter and Iski SD diesel rollers.  

 Contact: John Akers  
MOMMERSTEIG SEED CO  
Stand No. C9  
Spitfire Close, Ermine Business Park, Huntingdon, PE18 6XJ, Tel: 01480 459500  
Fax: 01480 459990  
Contact: John Akers  
Mommersteg are the leading supplier of grass seed mixtu- 
res to the Golf Industry. Through our group of distribu-
tors covering the whole country we can supply top quality mixtures for greens, tees, fairways and roughs.  
Whether you are planning course extensions or alterations, or possibly wish to confirm your routine maintenance pro- 
gramme to surprise and discuss your requirements with our  
seed experts on Stand C5.  
All our mixtures are treated with HEADSTART - a biological  
growth enhancer, to increase the vigour of the young plants  
ensuring you establish the new playing surface as  
soon as possible.  
MULTI CORE AERATORS LTD  
Stand No. A22  
3 Hillside Close, Euxton, Chorley, Lancashire, PR7 6JF, Tel: Fax: 0257 231861  
Mobile: 0374 488508  
Contact: Ian Waterston  
At the BTME Harrogate Show both the TM100 and  
TM150 will be featured. Each machine combines robust construction with ease of maintenance and therefore  
down time. And its simple, foolproof design ensures that critical  
spacing and sizes are available, from mini hollow and solids to 19mm hollow up to 5 inch depth. All the  
current heads and times will be on display.  
Also featured will be the popular professional pedestrian Aerator, the 21 inch greenkeeper offers reliability at an affordable price. So if you are looking for an aerator in 1996 why not visit our stand?  
MYERSCROUGH COLLEGE  
Stand No. B4  
Myerscough Hall, Bislsborrow, Preston, Lancashire, PR3 0RY, Tel: 01257 640611 Fax: 01257 640842  
Contact: Tom Teasor/Stuart Davidson  
Two colleges in the UK can better Myerscough’s long assocs- 
iation with the Sportsturf industry. This dynamic College offers full-time Sportsturf courses at National Certificate level, leading on to the National Diploma. In addition, a range of part time  
and short courses are available designed to meet individual needs. These cover a wide variety of subject areas, includ- 
The College is also leading the field in the development of 
commercial and educational links within the leisure indu- 
try. It successfully ensures that our students are highly trained people, able to respond to the rapidly chang- 

ding demands of the market. Come and visit our stand.  
NATIONAL TURFGRASS COUNCIL  
Stand No. C4  
Hunters Lodge, Dr Browns Road, Minchinhampton, Stroud, Gloucestershire, GL6 9BT, Tel: 01453 835588 Fax: 01453 714149  
Contact: Peter Heim, Chief Executive  
The NTC is demonstrating its current work for the industry,  
covering the whole range of sports turf and amenity grassland.  
The NTC is concerned with the application of BS7570 and BS5750 in turfgrass management. It also has a 
breakdown products of seaweed.  

 Contact: Martin Bromage  
Nature First Ltd offers a comprehensive range of turfgrass  
seed products and services, including stump grinding  
with Europe’s largest Rayco stump grinder.  
NETLON LIMITED  
Stand No. B6  
New Wellington Street, Blackpool, Lancashire, FY2 4PJ, Tel: 01254 262431 Fax: 01254 694302  
Contact: Mr P A Langley  
Netlon Advanced Turf is the unique combination of a mesh  
stabilised, free-draining rootzone and natural turf. Together  
they provide trees with the inherent ability to recover rapidly  
from damage and equally ensure the divots are half the  
Greenkeeper International. January 1995 43
normal size. Advanced Turf greens possess unrivalled design and high infiltration rates are maintained. Walkways and paths are able to withstand frequent use as a result of the system’s high load-bearing capacity.

NORTH NEW HOLLAND FORD LTD Stand No. C56
Crans Farms Road, Basildon, Essex, SS14 3AD, Tel: 0268 533000 Fax: 0268 292974
Contact: Nigel Mackenzie
For Turf Maintenance the Ford 2120 offers a high degree of versatility, twin 4gpm gear driven pumps. Economy PT0 and a powerful 4-cylinder engine make thistractor an ideal choice for all types of turfstand. Standard equipment on the Ford CM224 includes a dual range Hydro Transmission, automatic 4WD and a weight transfer system for improved traction. Exhibited with a 60 inch flail mower, the CM229 is an ideal choice for contractors. Demand is increasing for grass collection and as a result Ford offer twin bagged collectors for GT diesel mowers and 1200/1520 compact tractors. Three bags provide around 10cu ft of grass capacity.

OAKLANDS COLLEGE
Stand No. C37
Oaklands Campus, Hatfield Road, St Albans, Hertfordshire, AL4 0JA, Tel: 0727 850651 Fax: 03-70 497897
Contact: Ian Merrick
Oaklands is proud to be one of the G.T.C.’s “approved” colleges for Greenkeeper training, and can justly boast in its excellent reinforced concrete facilities. Oaklands offers the Greenkeeper a wide range of courses including: N.V.Q. Level 2 & 3 - One year full-time course leading to the National Certificate in Greenkeeping & Sports Turf Management. 2 year full-time course leading to National Diploma in Horticulture with Greenkeeping options, 2 year H.N.D. course in Land Based Industries. The College also offers a wide range of short courses including: Assessor Training Award (D32 + D33), sprayer, chainsaw and machinery courses. For further details, talk to staff on our stand or write to Mrs S Bone, Admissions Officer, Oaklands Campus.

OCMIS IRRIGATION (UK) LTD
Stand No. A32a
Higher Burrow, Kingsbury, Martock, Somerset, TA12 6BU, Tel: 0460 241939 Fax: 0460 242198
Contact: Sally Bennett
Ocmis are irrigation experts with a referred driven reputation in problem solving, system design, manufacture and supply, installation and servicing to the sport turf irrigation market.

This summer has seen the release in the United Kingdom of the new Buckner control system - Viking. This state of the art, PC based, control system features: Hydraulic flow optimization, full data log via telephone, 500 programable stations, watchdog feature which telephones the superintendent to advise him of irregularities during the irrigation program.

Ocmis now manufacture bagged pump stations and are national stockist of all types of pressure pipe, valves, sprinklers, mobile irrigators, pressure vessels, electric cables and accessories.

For more information contact Ocmis Irrigation UK Ltd - Head Office Tel: 01460 241939, Midlands Office Tel: 01789 414504, Northern Office Tel: 01924 435102, Scottish Office Tel: 0131 220 2102.

OUTDOOR POWER PRODUCTS LTD
Stand No. C6
Clare Street, Denton, Manchester, M34 3LQ, Tel: 061 320 8100 Fax: 061 335 0114
Contact: John Alban
Doubling their Stand size for BTME 1995, OPP will better show their innovative new products and established equipment. New: four Cultivators, two Lawn Edgers and a Deep Root Weeder, all lower priced. Well established equipment includes the easily portable Fuji Robin Dagger Soil Ameliorator. 700lb capacity DR Powerwagon with Shp Briggs & Stratton engine, and compact twin bagged powerwagon with 400lb load capacity. The unique range of five DR Trimmer/Mowers that combine many of the features of brushcutters and mowers in one machine, are joined by the new Vector model. OPP’s accessories and spares will also be shown.

PARKER HART
Stand No. C56
Maiden Green Farm, Maiden Road, Worcester Park, Surrey, KT4 7NF, Tel: 0181 337 7791 Fax: 0181 330 7392
Contact: Bob Cook
Our experienced staff will be available to offer advice on all aspects of turf culture and will be pleased to discuss the range of services offered by Parker Hart. Details will also be available on the exciting new range of fertilisers from Scotts UK Ltd. So, for new or reconditioned machinery, contracting, hire, repairs and spares and the most comprehensive range of turf care consumables in the business – visit us first.

PATTISSON & CO LTD
Stand No. B44
342 Selbourne Road, Luton, Bedfordshire, LU4 8NU, Tel: 0582 597262 Fax: 0582 505241
Contact: Iain Richardson
Pattisson Equipment can be found on most Golf Courses throughout Europe. Based at Luton the company has direct sales and service with mobile telephones ensuring prompt attention. It is the experience of the Pattisson staff that maintains its place as the leading European Golf Course Equipment supplier of innovative ideas and equipment, with contact on upgrading of the regular Greenkeepers tools. The Supercut, HoleCutter and the Cup Remover are now accepted as basic requirements on every course.

Golf range and practice ground items are well catered for with very competitive prices. The Pattisson Range Ball Dispensers are simple to install 240 volt or 12 volt operation and very easy to maintain; the semi automatic Ball Washing unit combined with a Pattisson Elevator keeps the labour element of handling Range balls down to a minimum.

Pattisson also supplies custom bag-tags – membership discs, green fee labels, captain day flags, corporate hospitality packs, promotional packs, custom yardage markers, bag support stands, golf cups, club house meal boards, etc.

COME AND SAY HELLO TO

PHILIP YORK & PARTNERS
Stand No. B7
39 Salisbury Street, Fordingbridge, Hants, SP6 1AB, Tel: 0425 652087 Fax: 0425 652476
Contact: Philip York
Europe’s largest independent golf course irrigation consultants will be available to discuss how their cost effective services can benefit owners, members, management and staff alike when considering the purchase of an irrigation system, up-rating or adding to an existing one, investing in alternative water sources or any other irrigation related matters.

PRIME WATERMAN
Stand No. B33
Trustans Farm, Westleton Road, Darsham, Saxmundham, Suffolk, Tel: 0728 688668 Fax: 0728 688668
Contact: Glynn Dyer Prime Waterman are the 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 also electrical controllers giving microprocessor accuracy at traditional mechanical controller costs.

Along with this Prime Waterman have introduced a three-wire, remote-valve control system which gives a visual display and a printed record of the date and time of irrigation periods, watering times for individual stations.

PSD AGROMONY LTD
Stand No. B1
42 Garstang Road, Preston, Lancashire, PR1 1NA, Tel: 01772 884450 Fax: 01772 884445 Contact: J W Hacker
PSD Agromony Ltd provide a complete agronomic consultancy service for the Golf Course. Whether upgrading a mature course to cope with today’s increased play or developing a new course, PSD Agromony can help you.

Many more golf courses are suffering more severe agronomic problems and PSD Agromony can provide the technical and analytical support necessary for a busy greenkeeping team.

New Golf Courses are being planned every week. Having PSD Agromony as part of the team will help ensure a high quality, well managed project. See Mike Habridge, John Hacker or David Stanfield on Stand A11 for further details of services.

R & R (UK) LTD
Stand No. C318
Blackstone Road, Huntingdon, Cambridgeshire, PE28 4UY, Tel: 0440 411146 Fax: 0440 450091
Contact: Paul English
R & R are the Industry’s supplier of Liftting Equipment for large and small machines. Our products easily justify themselves on performance alone, but increasingly we are supplying golf courses who are concerned that they meet Health and Safety requirements. Kill two birds with one stone!

RAIN BIRD EUROPE
Stand No. B22
535 Rue George-Claude, Z I Les Milles, Aix-en-Provence, Cedex 13792 France, Tel: 33 42 24 44 91 Fax: 33 42 24 24 72
Contact: Bruno Windegger
Spanning six continents and touching more than 100 countries with its products and services, Rain Bird has grown to a position of industry leadership through a 60-year commitment to uncompromising quality. Dating from the introduction of its first product, the original impact sprinkler, the company has been known for its innovation in both the design and application of its products. Today Rain Bird offers landscape and golf architects the widest choice of pop-up impact or closed-case sprinklers, electric valves and water management control systems. Whatever your irrigation needs are – from sporting greens, football or rugby fields, horse race tracks, hockey fields, parks and city landscape developments, golf course or putting greens, there is always a Rain Bird solution.

RANSONS, SIMMS AND JEFFRIES LTD
Stand No. A30
Ransomes Way, Ipswich, IP3 9QG, Tel: 01473 270000 Fax: 01473 276380
Contact: Chris Saunders
A range of high performance equipment for year-round turf maintenance is featured in the Ransomes’ exhibit. Making its BTME début is the Fast 29 lightweight fairway mower for high output precision mowing of quality turf. First time at BTME are the Greensplex 160 (petrol or diesel engines) and E-Plex (all-electric) greens mowers, both already making a significant impact to traditional turf professionals. These new products are joined by the Cushman Junior Turf-Tracster, a four wheel Turf-Tracster with power steering, a Ryan GAS 90 turbo aerator and a Super Carts walk-behind mower for precision work on golf greens, tennis courts and cricket squares.

REASEHEATH COLLEGE
Stand No. C40
Reaseheath, Nantwich, Cheshire, CW5 6DF, Tel: 01270 625131 Fax: 01270 625665
Contact: Dennis Mortram
Expert staff, superb practical training facilities and an attractive environment. Reaseheath is probably the best place for your training needs. Part time courses include NVO Levels 2 and 3 and Greenkeeping in Day or Block Release, City and Guilds Phase IV Greenkeeping on Block Release, and IPMS Levels 2 and 3. Reaseheath is a National Diploma Level.

Full time courses are also offered including HND Golf Course Management and short courses for industry, such as FEPA Chemical Safety, are also available. Facilities include a nine hole golf course, bowling green and sports pitches, as well as excellent residential and social facilities.

RHÔNE POULENC
Stand No. A6
Environmental Products, Fyfield Road, Ongar, Essex, Tel: 0277 301115 Fax: 0277 301119
Contact: Simon Price
New stand A6 offers you the opportunity to discuss many of the technical benefits of new products such as Spearhead and the Guardian range of seeds. Spearhead is the ultimate all round selective herbicide for turf. It gives outstanding control of a broad range of weeds, including difficult to control...
species such as slender speedwell and the clovers. Guardian is a new and unique range of fungicide and poly-mer film coated grass seed mixtures which have been shown to germinate and emerge more reliably than ordi-nary seed.

Come to Stand A8 and see how Rhône Poulenc can assist with any problems you may have on, in, or under your turf.

RIGBY TAYLOR LIMITED
Stand No. A23
Rigby Taylor House, Garside Street, Bolton, BL1 4AE, Tel: 0204 394888 Fax: 0204 385276
Contact: Clive Williams
Rigby Taylor will be supporting the educational content of the BTME Exhibition with a competition offering prizes for the correct identification of pests, diseases and weeds.

Guardian is a new and unique range of fungicide and poly-comprehensive range - with products for all seasons, the quality of construction, coupled to a rugged performance makes it an established favourite for mowing parks, play-ing fields, caravan parks and golf courses. The unique Saxen Twin Greens Mower – high productivity achieved with the twin moving fine turf in half the time taken with a single 22" hand mower.

SCOTT'S UK LTD
Stand No. A2A
61 Loughborough Road, West Bridgford, Nottingham, NG2 7LA, Tel: 0115 9455100 Fax: 0115 9455111
Contact: Mark Hunt
During 1994, The Scotts Company, USA acquired Grace Sierra and its subsidiary offices including Grace Sierra UK. At BTME ’95, the new company, Scotts UK Ltd will be introducing two new ranges of fertilisers, utilising technology unique to Scotts, the market leader in the United States. This will build on the already successful range of coated products, such as Sierrablen Turfinx and Osmocote N currently available.
The new products will be of particular interest to green-keepers maintaining sand based greens, low cut tees, fair-ways, approaches and surrounds including creeping bent and those interested in cost effective fairway fertilisation.

SHARPES INTERNATIONAL
Stand No. B26
Sleaford, Lincolnshire, NG34 7HA, Tel: 01529 304511 Fax: 01529 303908
Contact: Ian Backhouse
Sharpe's International is pleased to be taking space once again at the BIGGA Turf Management Exhibition – with an even bigger stand than last year!

As well as launching a "new look" designer catalogue, the company will also be demonstrating the differences between various bent grasses for greens mixtures. In par-ticular, Sharpes International will be highlighting the bene-fits of Sutton over Highland and introducing two exciting new varieties to an already impressive portfolio.
So, if you would like to discuss your amenity grass

NEW IMPROVED SEAWEED FORMULATION
FINE 'X' 8-0-6 + 0.5%Mg + 1.0%Fe
Spring/Summer
High quality fine turf powder fertiliser
Ideal for golf and bowling greens
Added seaweed acts as a natural soil and turf tonic
Feeds over a long period
Organic based
Nutrients carried in a single particle round sand

SEE US STAND A34A AT BTME
Our Professional Series Ball Washer is an improvement on the competition! Made from high grade space age plastic case and superior construction, its easy crank design and super ball cleaning action, it is able to wash up to four balls at a time.

The Pro Washer can be mounted on our Tripod Ball Washer Stand, or attached to any 2-3/8" O.D. Post.

Available at £118.78 each

Dimple-T Markers: plain, numbered or personalised. Rugged durability. Dimple-Ts are 5" in diameter with moulded-in, galvanised steel spikes for easy placement and removal.

Colours available: Red, White, Blue, Yellow, Black.
Plain: £0.22 each
Numbered: £0.36 each
Personalised: £0.66 each

Our Economy Rake is priced so low, you can order several for each bunker! The full-size 15" head is made from high-impact, molded plastic, and the 4' bright yellow handle is available in wood or long lasting fiberglass.

Complete rake w/Yellow Wood Handle: £4.93 each plus VAT in packs of 12

**SPECIAL OFFER**
Green Ball Washer with 46" post @ £122 each

Ask for our full colour 1995 Catalogue and Price List

Driving Mat "Divot Action" 1.5m x 1.5m guaranteed for 12 months @ £195 each (or £170 each for nine). Ask for leasing details.

Contact Paula or Lisa at: Standard Golf (UK) Limited, Maxwell Hart Business Centre, PO Box 297, Lightwater GU18 5HJ
Telephone: 01345 125398. Fax: 01276 452616

**QUALITY FIRST**

Specialists in land drainage, irrigation installations, golf course construction and maintenance

Complete land drainage service: Tracked, rubber wheel and pedestrian continuous chain trenchers; large and small spinning wheel trenchers

Vertidrainers, sand slitters, sub soilers and mole ploughs

**MJ ABBOTT LIMITED**

Bratch Lane, Dinton, Salisbury, Wiltshire SP3 5EB

Tel: 01722 716361 • Fax: 01722 716828

**KESTREL GOLFLTD**

Golf Course Construction and Refurbishment

- TEE EXTENSIONS
- GREEN RECONSTRUCTION AND ALTERATIONS
- BUNKER REFURBISHMENTS
- DRAINAGE

Tel: 01734 792954 Fax: 01734 795353

The Fairways, King Street Lane, Winnersh, Wokingham, Berkshire RG11 5AX

See us on Stand B15 at BTME
requirements with seed specialists then make a point of visiting stand B26 at this year's exhibition.

SHELLEY SIGNS LTD
Stand No. B10
Eaton on Tern, Market Drayton, Shropshire, TF9 2BX, Tel: 01952 541483 Fax: 01952 541755
Contact: Richard Shelley
Shelley Signs Ltd will be displaying a wide range of signs and panels for both external and internal use. Products include: Tee Markers, Course maps and plans, Directional signs, Instruction signs, Car park control, Club entrance, Internal and brass engraved signs. The main material is Inset Printed Glass Reinforced Plastic. This material is ideal for external applications and is specified by local authorities nationwide. There is no limitation on the number of colours that may be used and a wide variety of framing systems are available. These range from modular supports to specially designed moulded finishes.

SISIS EQUIPMENT (MACCLESFIELD) LTD
Stand No. B46A
Hursfield Industrial Estate, Halley Road, Macclesfield, Cheshire, SK10 2LZ, Tel: 0625 503030 Fax: 0625 427426
Contact: Mrs L J Hilton
On the SISIS stand will be the Technicore, a PTO driven vertical aerator with effective width of 168cm. The Technicore gives a true 127mm (5in) depth of penetration with interchangeable slit, solid or hollow lines. A wide range of hole patterns can be obtained. Multitine and Microcore heads are also available. Special features are: high torque capacity cam shaft; needle-roller bearings fitted with seals; quick release tine fasteners; minimal greasing points.

SOVEREIGN TURF LTD
Stand No. C24
Fir Tree Farm, Blaxhall, Woodbridge, Suffolk, IP12 2DX, Tel: 01603 664209 Fax: 01728 688949
Contact: Steve Williams
Sovereign Turf Ltd. have been producing high quality turf for professional landscapers, local authorities and sports clubs since 1987. Top rated STRI cultivators, light sandy soil and innovative management techniques ensure that Sovereign Turf is of consistently high quality and available all year round. Steve Williams and David Waring will be pleased to welcome you to the Sovereign Turf Stand No. C24 where samples of our recently launched New Century Greens Turf will be displayed. Also on show will be our fine trees and hard wearing sportsturf grades. Sales and technical enquiries to Steve Williams Tel: 01603 664209.

STANDARD GOLF (UK) LIMITED
Stand No. B36
Maxwell Hart Business Centre, PO Box 297, Lightwater, GU18 4HU, Tel: 0345 125398 Fax: 0276 452616
Contact: Duncan Stewart
Standard Golf (UK) Ltd will be exhibiting the very best Golf course Equipment made by Standard Golf of America featuring all that is necessary to equip a course to the highest level of quality at competitive prices. This is an opportunity to see for yourself the comprehensive range of colourful equipment designed with the ideal of making Golf a better game and golf courses more beautiful. The highly affordable and durable products help get every hole off to a good start. New Standard Golf products for 1995 will be displayed for the first time. Our trained staff will be available to assist you with any queries you may have.

STA-BRITE SUPPLIES LTD
Stand No. A5
Unit 7 Bossemer Park, Bossemer Road, Basingstoke, Tel: 01256 811811 Fax: 01256 811078
Contact: Mike Fabb
Sta-Brite are suppliers of top quality turf care products to Groundsmen and Greenkeepers throughout the South of England and South Wales. In addition to our own highly respected ranges of Fertilisers, Grass Seed Mixtures and Line Marking paints we are distributors for most of the best known names in turf care products including; Rhône-Poulenc, Vitax, Mommersteeg, Supaturf, Farmura, Schweizer and many more. We look forward to seeing you and discussing your needs for the following; fertilisers, Grass Seed, Chemicals, Top dressings, Soil Conditioners, Wetting Agents, Spreads, Line Marking systems, Sprayers, Golf Equipment, Sports Equipment, Park Furniture and Hand Tools.

ST.R.I.
Stand No. C3
St Ives Estate, Bingley, Bradford, West Yorkshire, BD16 1AU, Tel: 0274 565131 Fax: 0274 561891
Contact: Dr Tim Lodge
The STRI is recognised as the leading authority on the production and management of golf courses. It is the national centre for the investigation of problems affecting the establishment and maintenance of turf for golf and a range of other sports and amenities. Its advisory service provides the means by which this expertise is made available to the industry. STRI agronomists cover all parts of the UK and several European countries where they advise on over 1000 golf courses. STRI also provides an architectural service, carries out ecological appraisals of golf courses and offers a 5-day instructional course for greenkeepers.

VITAX LTD
Owen Street, Coalville, Leicester LE67 3DE Tel 0530-510060 Fax 0530-510299
Contact!

Stewart & Co  Scotland  0131 663 6617
John Lindsay  Professional
Sportsturf  N Ireland  01762 339229
Gem  Professional  Accrington  01254 393321
Gwyn Cadogan  Gwent  01291 672026
Hewitts  Sportsturf  Leicester  0116 2867029
Collier  Turf Care  Norwich  01603 870944
Sta-Brite Supplies  Basingstoke  01256 811811
Roffey Brothers  Bournemouth  01202 537777
E.T. Breakwell  Birmingham  0121 7333344
Eastern Garden Machinery  Channel Islands  01534 855466

Distributors of the best sports and amenity grass seed

Mommersteeg

Come and see us at the BIGGA Show – Stand C5

SUPATURF PRODUCTS LTD
Stand No. A4
Amenity House, 2 Maizefield, Hinckley Fields Industrial Estate, Hinckley, Leicestershire,
LE10 1YF, Tel: 0455 234677 Fax: 0455 234714
Contact: Marcus Palmer
Two brand new water management products for fine turf are to be launched at BTME'95 and Supaturf are preparing for a grand presentation at Harrogate. To promote the launch of these new Greenkeeper products, Supaturf are running a competition with the chance to win a free trip to the GCSSA in San Francisco with the BIGGA party. If you haven’t already entered, please see the advertisement in the December Greenkeeper International for further details.
To add to their existing range of line markers and marking liquids for both grass and hard surfaces, Supaturf have introduced a new range of line marking aerosols, called Supa Mark, ideal for use around the golf course.

SUPREME MOWING LTD
Stand No. A32B
Wet Moor Lane, Wath on Dearne, Rotherham, S63 7LR,
Tel: 01709 673436 Fax: 01709 878005
Contact: Chris Saunders
Precision cylinder grinders suitable for all professional equipment maintenance workshops form the centrepiece of the Supreme Mowing stand. The company is exhibiting both its Leader and Supreme System cylinder grinders, the latter fitted with the company’s unique automatic relief grinding attachment. This patented device, being demonstrated on the stand allows a relief angle to be applied to all blades on a mowing cylinder completely automatically and without any resetting by the operator. A range of replacement cylinders and bottom blades suitable for most mowers is also on show.

SYMBIO
Stand No. B24
Sutton Business Centre, Restmor Way, Wallington, Surrey, Tel: 081 669 0011 Fax: 081 773 8449
Contact: Guy Longshaw
Symbio’s biological approach to sports turf management continues to expand and develop. ‘Biofixed’ bacteria and fungi in ‘Green Circle’ have been used to prevent and treat fusarium, thatch, Fungus, anthracnose, improve general vigour and reduce fertiliser and fungicide applications. Symbio ‘Black Layer Treatment’ unlocks nutrient in anaerobic conditions giving dramatic improvements in vigour and root growth. Symbio’s ‘Living Water’ division takes care of all your water quality concerns—be they lake/irrigation water or smelly septic tanks!
This year symbio launch their biological oil remover for quick breakdown of oil spills and fast turf recovery.

T & G TURF IRRIGATION SERVICES
Stand No. B47
38 Halfpenny Lane, Knaresborough, North Yorkshire, Tel/Fax: 0423 864963
Contact: Tony Teggin
T & G Turf Irrigation Services are again sharing the stand with Watermation as there northern agents, and have doubled the stand size from last year to accommodate the increase in visitors to the stand. We look forward to meeting clients new and old to discuss your Irrigation needs.

TAGIT
Stand No. B1A
48 Hillmorton Road, Rugby, CV22 5AD, Tel: 0788 568618 Fax: 0788 537485
Contact: Richard Webb
TAGIT offer the Course Manager and Greenkeeper a wide range of golf course equipment traditionally made to the highest standards yet competitively priced to suit most pockets. New items added to the range for 1995 are the U-Boot Shoe Cleaner, Bronze Bell and Bracket, suitable for the Fairway, Clubhouse or Centenary, also Big Bird Bunker and Maintenance Rakes with 24” sturdy head and lightweight fibreglass shaft.

TALBOT FARM LANDSCAPES
Stand No. C22
Talbot Farm Nursery, 75 Derby Road, Hilton, Derbyshire, DE65 6SP, Tel: 0283 732755 Fax: 0283 732755
Contact: Sean Goodwin/Mark Goodwin
Talbot Farm Landscapes is a progressive company, which operates nationwide, laying turf right across the scale ranging from small family homes to large country houses, sports fields and amenity areas for local authorities.
We have successfully completed a number of golf courses throughout the country to include The Carnegie Golf Course, Skibo Castle, Durnoch; Pavenham Park Golf Course, Bedford; Burgham Park Golf Course, Burgham, Northumberland; Matfen Hall Golf Course, Matfen.
We have also undertaken work at a number of business developments throughout the country including The Carnegie Golf Course, Skibo Castle, Durnoch; Pavenham Park Golf Course, Bedford; Burgham Park Golf Course, Burgham, Northumberland; Matfen Hall Golf Course, Matfen.
Two brand new water management products for fine turf are to be launched at BTME'95 and Supaturf are preparing for a grand presentation at Harrogate. To promote the launch of these new Greenkeeper products, Supaturf are running a competition with the chance to win a free trip to the GCSSA in San Francisco with the BIGGA party. If you haven’t already entered, please see the advertisement in the December Greenkeeper International for further details.
To add to their existing range of line markers and marking liquids for both grass and hard surfaces, Supaturf have introduced a new range of line marking aerosols, called Supa Mark, ideal for use around the golf course.

T & L IRRIGATION LTD
Stand No. A15
Water House, 10 Carvers Industrial Estate, Southampton Road, Ringwood, Hampshire, BH24 1JS, Tel: 0245 472651/2 Fax: 0245 472380
Contact: Peter Roberts
T & L Irrigation Ltd., a member of the Hydroscape Group Ltd., will once more be amongst the exhibitors at BTME. As one of the founder exhibitors, T & L. view the show as an important date in the Events Diary, and an almost unique opportunity to meet new and old friends.
The T & L staff will be on hand to show visitors the latest range of Toro Golf Course Sprin-
TILDENET LIMITED
Stand No. B13
Longbrook House, Ashton Vale Road, Bristol, BS3 2HA, Tel: 0272 669684
Fax: 0272 231251
Contact: Lawrence Green/Ruth Hensman
Tildenet Ltd, the international netting company are market leaders in perimeter ballstop netting. They now supply fencing kits for self installation as well as offering a full installation service, including advice on obtaining planning permission. In addition, Tildenet will be exhibiting their increased range of golf practice nets, to cater from the busiest of professionals and golf clubs, to the keen beginners back garden. Target nets, anti-ball plugging nets and germination sheets can also be found in the Tildenet stand.

D W TOMLIN
Stand No. B28
Old Leake, Boston, Lincolnshire, PE22 9JS, Tel: 0205 870535
Fax: 0205 871304
Contact: Richard Tomlin
D W Tomlin will be exhibiting a range of machinery suitable for use with compact and larger tractors for the construction and maintenance of turfed areas along with the Greensiron greens roller.

TORO COMMERCIAL PRODUCTS
Stand No. A35
Station Road, St. Neots, Huntingdon, Cambridgeshire, PE19 1QH, Tel: 01480 476971 Fax: 01480 216167
Contact: Peter Mansfield/David Cole
Toro is showing three new turf maintenance products added to its range this year.

The Reelmaster 5300-D is a completely reworked model of the Toro 5100-D lightweight fairway mower with added power for cutting in tougher conditions such as longer grass and hilly areas. The new machine has the same technical specification as the 5100-D but is fitted with a bigger 32 hp engine and appropriately other up-rated components giving 25% more torque to the reels. The Greensmaster 3100-3 vel is a new three wheel drive model of Toro's lightweight greens mower, which has the ability to access and move difficult to reach greens and handle broader applications for improved playability and after cut appearance throughout the golf course.

The Toro HC4000 is a new high capacity aerator for use with smaller tractors of 25 hp to 45 hp. It fills the gap between larger fairway and smaller greens aerators and is ideal for those needing a high capacity, deep coring turf aerator.

Come and say hello to
CHRIS BOILING
Editor of Greenskeeper International
on the BIGGA stand, C50, at Harrogate.

TURF-ACTANT PRODUCTS
Stand No. C8
Hollies, Pemmarsh Road, Twinstead, Sudbury, Suffolk, CO10 7ND, Tel: 01787 209292 Fax: 01787 269970
Contact: Richard Davies
Richard Davies and Edward Clarkson look forward to you visiting Stand No C8 and discussing with them the establishment of Turf-Actant Products together with these unique new additions to that range.

NU GRO - Liquid blood and bone, Symbio - Biological turf management, Kelpic - Composted seaweed meal, Kelpic Liquid - Liquid seaweed concentrates.

TURF MANAGEMENT
Stand No. A34B
The monthly magazine for all turf professionals. Each issue brings all the latest news, views and techniques from the turf industry and what’s more - your could receive it free! To find out if you qualify for a free copy each month, simply complete a registration form available from our stand, A34B. If you require further information regarding Turf Management, staff at the stand will be only too pleased to answer any questions, alternatively we can be contacted at the above address.

UNDERGEAR EQUIPMENT (RBP) LTD
Stand No. B2A
Black Lake Works, West Bromwich, West Midlands, B70 0PD, Tel: 0121 553 1606 Fax: 0121 553 1307
Contact: John Edwards
Undergear offer what is probably the most comprehensive range of turfcare tyres in the world. In addition to being sole UK distributors for Goodyear Terra Tyres, Undergear are distributors for Trelleborg, Bridgestone, Carlisle and Continental tyres. Undergear developed their own ‘Golf’ design tyre specially for the preparation of the Ryder Cup course at the Belfry. This tyre is now working on courses all over the UK and is also exported to many countries. Undergear can supply tyres for most machines and with their own wheel-making facility offer complete tyres and wheel units to the customer’s individual requirements.

VITAX LTD
Stand No. A34A
Owen Street, Coalville, Leicester, LE67 3DE, Tel: 0530 510060 Fax: 0530 510299
Contact: Trevor Holmes
Vitax will be displaying three new additions to their sport amenity and key product ranges. 50-50 Liquid Mosskiller is a fine turf and hard surface mosskiller and biocide. Pack sizes 5 litre - 10 litre. Vitax Stay Wet is the ultimate water absorbing granule, say the makers, for targeting water precariously at plant root level. Pack size 25kg. Fine X is a new improved seaweed formulation of this long established fine turf spring and summer powder fertiliser. Pack size 25kg.
These new products will be featured alongside the full Vitax sport amenity and key range products.

WARRICKSHIRE COLLEGE
Stand No. C33
Moreton Morrell, Warwick, CV35 9BL,
Tel: 0926 651367
Contact: Chris Gray
Warwickshire College has a long tradition of quality courses for greenkeepers and groundsmen. The college is the GTC Approved Centre for greenkeeper training and education in the Midlands.

WATERMATION SPRINKLERS & CONTROLS LTD
Stand No. B47
Tongham Road, Aldershot, Hants, GU12 4AA,
Tel: 01252 336838 Fax: 01252 336808
Contact: Mrs E Hawthorn
The sprinklers and controllers on display are made in this Country by Watermation and include their latest GRV sprinklers which now feature the new, patented, dry pop action, which avoids puddlings around the base as the sprinkler does not start irrigation until clear of the bowl. Watermation have also produced this year a new small, inexpensive controller called EPIC (Easily Programmable Irrigation Controller) which comes in a choice of models ranging from 6 through to 30 zones, has 3 independent programs plus many calendar choices.

WELSH COLLEGE OF HORTICULTURE
Stand No. C31A
Northop, Mold, Clwyd, Tel: 0352 840861 Fax: 0352 940731
Contact: Graham Wright
The Premier College in North/Mid Wales offering a complete package of courses for the Greenkeeping Industry. The College over the last 8 years has consolidated its portfolio of training programmes. The latest programme is a "Home study with limited college block weeks", designed for greenkeepers in Portugal, but having adaptations for rural areas inaccessible to college inputs, small 9 hole clubs with limited personnel and mature entrants into the industry who may feel intimidated with attending formal training courses. The Welsh College prides itself on a flexible and friendly approach to Greenkeeper Training.

WHITE HORSE CONTRACTORS LIMITED
Stand No. C10A
Blakes Oak Farm, Lodge Hill, Abingdon, Oxon, OX14 2JD, Tel: 01865 736272 Fax: 01865 326176
Contact: Kevin Smith
White Horse Contractors Ltd, Drainage Specialists since 1957 have, over the years, evolved into a Company with a wide range of experience in all aspects of land drainage and sports field/golf course construction. The Company operates throughout the U.K. using its own specialist plant which boasts of six fully equipped laser grade control Masntenbroek trenchers. W.H.C. are able to provide a comprehensive package from design through to construction for a wide range of products.

WIEDENMANN (UK) LTD
Stand No. B46
Stoney Brae, Potterhill, Paisley, Tel: 041 884 2552 Fax: 041 884 6252
Contact: Gordon McMurdo
on show will be the most user friendly deep spiker on earth - The Terra-Spike Pigo - possibly now the country's best seller with proven reliability.

STRI to run turf courses in spring

The STRI, Bingley, will hold a series of courses on the theory and practice of turf construction and management this spring. The five-day courses start on February 20, February 27 and March 6. Prices (excluding VAT) are £265 for non-STRI members and £215 for members. The STRI will also be holding a two-day course for club managers/chairemen of green on January 24 and 25. Prices for this less detailed course are £150 for members and £175 for non-members plus VAT. Tel: Julia Wilson on 0274 565131.

Toro commercial products distributor Lely UK has presented special awards to three of its national network of dealers to mark their contribution towards a successful year which has brought a "healthy increase" in sales of Toro turf maintenance machines. Pictured with their awards are (from left): Brian Goudie, AM Russell Ltd, Edinburgh (Outstanding After Sales Award); Richard Holt and John Penn, Midland Tractor Company, Hednesford, Staffs (Best Dealer Commitment Award); Dill Barnard (Dealer Salesman of the Year Award) and Gavin Bingham-Wallis, both of Grasshopper (Horticultural) Ltd, Chelmsford, Essex (Best Overall Dealer Award); and Toro general manager and sales manager Peter Mansfield and David Cole.

Irish greenkeepers learn how to take control

The Irish Golf Greenkeepers Association is holding a two-day course management conference entitled 'Taking Control' on March 3 and 4 in the Prince Wales Hotel, Athlone, Co Westmeath. There will be seven speakers each day covering a broad range of topics, including preparation of courses for tournaments, budgets and health and safety in the workplace. Speakers include Derek Ganning from The Belfry. The cost for the two days is £50 for members of the IGGA and £60 for non-members. This includes lunch both days and tea and coffee.

Preliminary year-end results from Ransomes plc show that the company's recovery continues. Operating profit to the 1994 year-end reached £14.4 million compared to £2.4 million in 1993. And this was for a nine-month year following the company's decision to bring its year-end forward to September 30 to better reflect the seasonal nature of the grass machinery manufacturing business.

Seaford Head Golf Course, one of the most popular public courses in Sussex, will continue to be maintained by Lewes District Council's Community Leisure DSO. General manager Peter Crowley has won a five-year continuance of the contract which was first taken on three years ago.

Irish greenkeepers learn how to take control

The Irish Golf Greenkeepers Association is holding a two-day course management conference entitled 'Taking Control' on March 3 and 4 in the Prince Wales Hotel, Athlone, Co Westmeath. There will be seven speakers each day covering a broad range of topics, including preparation of courses for tournaments, budgets and health and safety in the workplace. Speakers include Derek Ganning from The Belfry. The cost for the two days is £50 for members of the IGGA and £60 for non-members. This includes lunch both days and tea and coffee.

Preliminary year-end results from Ransomes plc show that the company's recovery continues. Operating profit to the 1994 year-end reached £14.4 million compared to £2.4 million in 1993. And this was for a nine-month year following the company's decision to bring its year-end forward to September 30 to better reflect the seasonal nature of the grass machinery manufacturing business.

Seaford Head Golf Course, one of the most popular public courses in Sussex, will continue to be maintained by Lewes District Council's Community Leisure DSO. General manager Peter Crowley has won a five-year continuance of the contract which was first taken on three years ago.
Serious hollow-coring comes to the rescue for Nefyn Golf Club, whenever their troublesome neighbour - a stormy sea - decides to pay a visit. Chris Boiling reports from North Wales.

Nefyn and District Golf Club has bought a new Kubota tractor. Driving through North Wales to the course I wondered if a boat might not have been a better buy. The roads through the Snowdonia National Park were more like rivers and the fields looked more like lakes. Villages just six miles from the course were on a red flood alert. Yet when I arrived at the 27-hole club, the new Grandel L4200 was on the 17th green, driving across it at creep speed with a Verti-drain pumping away on the back.

Some of the credit can go to Kubota, for developing a 45hp tractor that will let you do this, but a lot more must go to course manager Pat McAteer and his intensive aeration programme.

And when I say intensive I mean I-N-T-E-N-S-E-V-E: Verti-draining his oldest greens four times from September to December and doing his nine new USGA-spec greens twice since they opened in April '94. "It gives them a good profile," says 38-year-old Pat, who has worked on the course for 13 years, five as course manager.

The programme starts in September using 6in solid tines on the old greens. A month later they Verti-drain again with 9in tines. Then, at monthly intervals throughout the winter, they continue with 12ins tines. The new greens, which opened when they were 16 months old, receive injections from 7in and 8in tines.

The tees are treated similarly to the old greens but to a maximum depth of 8ins. On the fairways, which are slit-tined 15 times through the winter and hollow-tined.

Providing there is suitable weather, the greens and tees are slit-tined every week, alternating four, six and nine inch tines. Often the greens are hollow-cored before being Verti-drained.

Pat has been doing this for the past six years and is pleased with the results. "It closes the hollow-core holes vertically and leaves a good putting surface," he says. Sometimes he will leave the holes open to wash out salt water blown onto the cliff top course from the nearby Irish Sea.

In 1991, after a bad storm, so much salt water swept up over the cliffs and onto the 87-year-old course that Pat lost six greens, six fairways and 17 tees. To win the greens back they washed them down, slit-tined them, washed them again, hollow-tined them three times, washed them down and then filled in the holes with topdressing and seed. The seed germinated well but there was still too much salt deep down which killed the grass. So they saturated the greens with water, hollow-tined them seven times, top-dressed them and seeded them with pure bents. Six months after the storm they were back to normal.

The fairways took a little longer because the greenstaff couldn't totally remove the contaminated structure as they had with the greens. But they slit-tined, hollow-cored, washed, scarified and overseeded them back to health, although a few scars remain on the 13th hole.

These fairways have also been receiving annual applications of Gem Professional 12:4:6 with 1.2% magnesium and 1% iron, a 17-week slow release fertiliser that, according to Pat, "works wonders". As the damaged fairways get back to normal this will be cut down to an application once every four years.

However, some good did come out of all this heartache. The storm and subsequent damage prompted the club to buy some adjacent land and to build an extra nine "inland" holes, designed by the STRI's DD Wishart. These opened last spring and have been widely acclaimed.

The Welsh Golf Union has already booked them for the Welsh Over-25 Amateur Championship this year and the Welsh Boys Open in 1998.

The storm also prompted the club to upgrade its Toro irrigation system which is used more to wash away the salt than it is to water the greens and tees. As part of this upgrade, all the remaining tees and all 27 fairways will be connected up later this year.

Three types of green

The Nefyn greenstaff have three different types of green to maintain: there are the old ones which date back to 1907, the new ones and four built in 1975/76. Eventually all the greens will match the new ones as the old greens
The rugged coastline provides a picturesque backdrop to the 1st green. But looks can be deceptive... storms have wreaked havoc at Nefyn Golf Club

Britain's leading Top Dressing supplies

Top Dressings • Sands • Top Soils • Fern Soil.
Suppliers of Soils for Golf Courses.

TOP DRESSING
Grade 1, 2, 3 to a high specification

ROOT ZONE MIX
Individual mixes USGA specification, Lime free sands used

SCREENED SOIL
3mm and 6mm Screened soil for divoting and construction. Naturally organic

SANDS
Free draining, Lime free sands for bunkers and top dressings

CONSTRUCTION
Tee and Green construction undertaken by our own professional tradesmen

We at ALL SEASONS DRESSINGS have researched long and hard to achieve a Top Dressing to a very high quality product. All our soils and sands are tested by local agronomists and chemists to obtain the best results for your greens and tees.

119 London Road, Kingston upon Thames, Surrey KT2 6NH.
Telephone: 081 546 3960 • Mobile: 0831 871939 • Fax: 081 547 1923
are being rebuilt to a USGA-spec at the rate of two a year. Nine greens are left to do in the next four years.

The biggest difference in maintaining such diverse greens, according to Pat, is shown in the use of fertiliser. The new greens receive 6:0:9 with iron and magnesium and the old ones are given 6:0:6 with magnesium and iron to start them off, followed by 8:0:0 with iron. To make sure he's on the right tracks, Pat sends soil samples to the STRI every year and soon will be receiving annual visits from the STRI's Roger Evans.

But Pat, who is studying for his City and Guilds phase 4 at Reaseheath Agricultural College, is pleased with the way it's going. "We're managing it quite well and hopefully we'll improve as the years go by. The people who play here have seen an improvement every year, and that's very rewarding," he told us.

As well as constructing greens, the five-man team has been busy reshaping bunkers (making them deeper to stop wind blow), making new walkways and putting railway sleepers in trenches ("so they need less maintaining"). Pat has a 'consummables' budget of £50,000 which is going on new signs, toilet block, shelters, fertiliser, topdressing, sand and seed. He also has a capital budget of £25,000-32,000 a year for the next five years. The Kubota Grandel L4200, which is mainly used for Verti-draining in the winter and mowing fairways up to twice a week in the summer, is the latest addition to the club's impressive list of machinery. His other star addition is a John Deere Gator 4x2 which he uses for general running around the course and to collect cores from greens. He reckons this machine, which is driven onto the green, saves him half an hour per green and one man - three instead of four of his staff are now used to clear the cores.

When you've only got five people maintaining 27 holes, every saving like this is useful. Another cost-effective thing he does is hire Amenity Land Services in the spring to spray the fairways and rough. Their two machines take six hours to do the 130 acres. Pat says it would take his staff with their machines a week (and that's if the weather was kind to them!)

Judging by the weather I witnessed on my visit to this beautiful part of Wales, it's hard to imagine the Telford firm getting a clear six hours to do their job.

"It's not always like this, in summer it's beautiful. You can see Ireland and Anglesey from here, as well as the mountains and sea," says Pat.

I'll just have to come back then. At least I know the greens will be dry - whatever the weather. And in case it does rain while I'm out on the course I'm told there is a pub, the Ty Coch Inn, in a picturesque cove two thirds of the way round the Old course. Another idea from Nefyn that other clubs would do well to copy.

**EQUIPMENT**

- 2 Toro 3000s (one petrol, one diesel)
- 1 Toro 216
- 1 Jacobsen TriKing
- 1 Case 485 tractor
- 1 Massey Ferguson 135
- 1 Kubota 1750
- 1 Kubota Grandel L4200
- 1 John Deere Gator
- 1 Ransomes Hydraulic 5 gang mower
- 1 Lloyd's gang
- 1 Verti-drain
- 1 Sisis Verno
- 1 Vacume
- 1 Charterhouse Topdresser
- 1 Sisis Auto-Rotorake
- 1 Toppair
- 2 Ransomes Autocertes
- 1 Trailer
- 2 Flymos
- 2 Strimmers
- 1 Mole drain
- 1 Sisis Brush
- 1 Charterhouse slitter
- 1 Ransomes TM80
- 1 Hardi Sprayer
- 3 Verticut units
EAST OF ENGLAND
Hangovers should be subsiding now that the New Year is under way. I hope everyone had a good Christmas and I wish you all a happy New Year.

The fixtures for 1995 are slowly coming together. The first of our winter education seminars has been booked with a talk by leading agronomist John Hacker on 'Course Presentation, Grasses and Irrigation', at Kenwick Park (Louth), on February 1. Thanks go to Ian Morton for organising this fixture and allowing us to use their facilities.

I hope members support this event as John Hacker is a renowned expert in the field of sportsturf, having set up Professional Sportsturf Design, after spending eight years as senior lecturer in turf at Myerscough College. Amongst his clients are West Ham Football Club and West Bromwich Albion and also the English Golf Union. He has co-written the popular book 'Golf Course Presentation' with George Shiels. For only £10 you get a coffee on arrival and an indepth talk on several subjects, ie course presentation, grasses on the course, and irrigation, and a meal in the Kenwick Park Hotel.

Section membership has increased slightly and the rumour is East of England is no longer the smallest section in BIGGA.

Dates for your diary: February 1 - East of England Winter Education Seminar, Kenwick Park Golf Club, Louth; June 6 – Purdy's Trophy, Sandilands Golf Club. Congratulations to David Walden on winning the ICI Greenkeeper of the Year competition – representing East of England section and the Midlands. Well done, Dave. The AGM took place at Toft Golf Club and was poorly supported. So it looks as if we will revert back to having some form of golf competition beforehand as we did the previous year.

Those elected were: Chairman – David Walden; Vice-Chairman – Ian Morton; Secretary – Graeme Macdonald; Treasurer – John Scotney; Committee – Michael Wood, Barry Anderson and Kevin Hodges.

Thank you to Barry Anderson and Toft Golf Club for courtesy of the room for the night.

Welcome to new member James Dair of Eyebury Golf Club. James has been a greenkeeper for one year and has just enrolled for NVQ training at Cambridgeshire College. Kevin Hodges has taken control at Elton Furze.

Finally, if you have any information of interest, please contact me on 0733 260297.

GRAEME MACDONALD

MID ANGLIA
Our Regional Seminar at the Sketchley Grange Conference Centre attracted 70 people. The topics and speakers were varied: drainage, fertilisers and chemical container disposal were covered, and David Stansfield spoke on construction of a new links course.

Guy Longshaw from Symbio also gave a good talk on bacteria products which his firm have developed for use on golf greens. Numbers were well down on the previous year for some reason and only four people from our section attended, which is disappointing. A new location for the event is being sought for this year, which will more than likely be in the Northampton area. As this is a lot closer, hopefully more greenkeepers from our Section will support it this year.

The final golfing event of the year took place on December 6, the section's Texas Scramble competition. We had a record entry of 25 teams for the event, 100 golfers in all. The venue was The Family Golf Centre, Chesfield Downs, Gravely, which is basically a ‘pay and play’ course, having 55,000 rounds a year. You would not think it gets played so much judging from the superb allround condition of the course and it is a credit to Chris Brook, the course manager, ably supported by Eddie, Dale, Pete and his other lads. I'm sure the mild weather through November was welcomed by the greenkeeping staff. Thanks must go to centre manager Paul McCoullough for looking after us so well on the day and for the meal and entertainment afterwards. Also thanks to all his catering staff as they did an excellent job in a very full restaurant! The day was once again sponsored by Kingston House Mowers. Our thanks to...
John Glyn-Davies for this, and for presenting the KH
appreciate the outstanding support we get from mem-
bers of the trade at these events, and this year’s was no
exception.
Finally, thanks to Jock, the starter at the club who
rescued us at the last minute by going out to get some
more raffle tickets, after we had run out!
The full results were as follows: 1, J Moohouse, J
Blair, P Densham, K Hamer – 58.9; 2, M Ellis, M Whittle,
S O’Connell, G Snowdon – 60; 3, P Briers, E O’Hanlon,
D Haud, P Robinson – 60.1. The longest drive was won
by T May and the nearest pin by David Hawkins.
I look forward to seeing fellow greenkeepers at Harro-
gate once again, which I’m sure will be an unqualified
success. It seems that more and more people from our
section are attending, which is great to see.
Looking ahead to next month, we have a course visit
planned at Brocket Hall, which is certainly worth view-
ing. This takes place on February 21 and I’m sure
course manager John Wells will have plenty to say to us
all about the course. I’m sure John will let you know
what time it starts if you give him a ring. Failing that,
Gerald will be able to help, so please contact him if you
are interested in coming.
May I take this opportunity to wish all members of
the Mid Anglia Section a Happy New Year.
PAUL LOCKETT

EAST MIDLANDS

Our section AGM was held at Ullesthorpe Golf and
Country Club in Leicestershire. On a fine autumn day,
35 competitors turned out. One didn’t, which made it
more raffle tickets, after we had run out!

THE CUTTING EDGE OF LUBRICATION TECHNOLOGY!

LE Lubricants cut costs five ways:

Minimum Downtime – plant and equipment keep on working.

Energy Saving – smooth running equipment uses less energy.

Longer Equipment Life – LE lubricants minimise wear and corrosion.

Longer Lubricant Life – long-term cost is lower, downtime for routine maintenance is reduced.

Reduced Inventory – LE lubricants are versatile.

MANY GOLF CLUBS ARE ALREADY BENEFITING

FOR FURTHER INFORMATION OR TO ARRANGE AN ON SITE DEMONSTRATION

CALL FREE LUBRICATION SOLUTIONS

0800 716095

ANTONY BINDLEY

NORTH SCOTLAND

Over 130 delegates attended the North of Scot-
land Section conference at Craigstone Estate,
Aberdeen on December 1. Especially encouraging to see was the number of club
secretaries and greens convenors who were able to come along. They were
treated to eight excellent papers presented very profes-
sionally by those on the platform, each speaker hav-
ing his own message to put across.

David Roy, a young course manager from Lin-
lithgow Golf Club, spoke ably on wildlife conserva-
tion and how it need not be overly time-consuming nor expensive. In fact, quite often it turned out to be the opposite.

David was followed by Steve Cadewell from New
Jersey, and the audience were fascinated by the fact that Steve suffered the same ‘Augusta syndrome’ after the Masters at his club as we do in Britain. They were also interested by the large budget he controlled and his thoughts that in
many cases the Americans had not necessarily got it right.

Ray Morris from Greens of Scotland explained that when dealing with drainage problems it was essential to diagnose the cause correctly to achieve
many benefits.

Breeding new grass varieties for golf was the topic of
Dr David Patterson of Queen’s University, Belfast’s
address, who felt that breeders should now be concen-
trating more on developing varieties that are able to resist disease better and have stronger root growth. David also told of how results in tests he had carried out showed the benefits of aeration in nutrient uptake.

The last speaker in the morning session was John
Hacker of PSD who encouraged the greenkeepers pre-
sent to adopt a more professional approach in their own
appearance and also in the presentation aspect of their
course, then in turn they would be treated more profes-
sionally by their employers.

Following lunch, David Rickman of the R&A gave a
sometimes humorous account of the many queries the
R&A have to deal with and highlighted the importance
for greenstaff to know the rules of the game when
preparing the course for competitive play.

Golf course architect, Tom MacKenzie, took us
through the different stages of building the Carnegie
Club at Skibo, Sutherland, with some very scenic and
beautiful slides and the day was concluded by Ray Lay-
cock of Karsten Turf Science, speaking on fertiliser
requirements. Ray put the opinion over that both soil
and tissue analysis were important aspects when con-
sidering fertiliser applications, his view being that the
proper timing and application of the correct nutrients
required would lead to the turf performing to its full
potential.

GORDON MOIR

SOUTH WALES

A Happy New Year to you all. I hope that hangovers have subsided enough for you all to have remembered
firstly, to rejoin the Association by sending your com-
pleted membership renewal forms back to Abidawr
Manor and secondly, to secure your place on the region’s coach trip to the BTME (January 25-27) at the
very special price of only £99.

Peter Jefford of Ruffords Top Dress Supplies gave a
thoroughly interesting and informative talk to more than
30 people who attended the evening lecture at Pencoed
College. The subject – top dressings for use on fine
surfaces – went extremely well and provoked many
questions from the floor.

Later that month, again at Pencoed College, Richard
Dixon, secretary of the Welsh Golf Union, addressed an
audience of well over 20 with a talk on ‘The roll of the
Welsh Golf Union in setting standards’. After outlining the
role and endorsing the WGU’s commitment to working with
the industry and BIGGA, through the likes of the GTC
and the Greenkeepers Training Liaison Committee,
Richard presented the floor with two Welsh Golf Union
documents, ‘Course Preparation Guidelines for Tour-
ments run by the WGU’ and a ‘Sample Golf Course Pol-
icy Document’. Both papers brought much feedback and
audience participation, which was more than welcomed
by Richard himself. An extremely worthwhile evening
and the WGU working hand in hand with BIGGA, surely
another great step in the right direction! Thank you
Richard.

Now it is good to see so many faces from our section
attending the Levington Horticulture sponsored seminar
at Cannington College. The programme was as interest-
ing as always with the ever enthusiastic David Golding
toumed with David Gold (a formidable duo), explaining
the NVO system and how it is to affect greenkeepers.

Mike Smith, head of horticulture and related studies
at Cannington, presented a paper on ecology, ‘How
Green is Your Golf Course?’

What more can you say, but vintage Jim Arthur on
course presentation and the two students, Chris Jack
and Steven Pellett, acquitted themselves very well indeed.

Obviously we need to thank Keith Makey, Levington's amenity manager for sponsoring the event and also Cannington College for their support, but yet again the success of the seminar, endorsed by an audience of well over 100, is down to the hard work and organisation of Gordon and Marion Child (another formidable duo).

Congratulations are in order for Gary Johnston of the Southernhern Golf Club, on his appointment to course manager. Gary, formerly of the Carnoustie Golf Club, has been at Southernhern now for two years.

Also to Mr and Mrs John Shepard on the birth of their second child, a baby boy, Joseph, weighing in at over 6 lb. John is a sales manager with Turf Irrigation Services, who work out of Sandbach, Cheshire.

Are there any golfers out there interested in a golf trip? There are four places available on a trip being organised for October 30 – November 3 1995. Having just returned from last year's I can personally guarantee that a good time will be had! Last October/November we were granted courtesy rounds of golf at Royal St David's, Royal Liverpool, Formby, Royal Birkdale and the Hillside Golf Clubs. Some trip eh, I can tell you.

For more information, give me a ring on 0792 233923.

PETER LACEY

NORTHERN SECTION

To begin with, may I wish you all a very happy, prosperous New Year, but please don't forget to pay your subs as they are now due!

There is not much to write about this month but I shall remind you that our annual dinner takes place at Pannal Golf Club on Saturday, March 11 1995. To reserve your seats please phone me as soon as possible as numbers are limited. This is a social event so come and have a drink with your father, or if you are a girl, then get recruiting.

The Annual Prize Draw Dinner will be held at Alloa Golf Club on November 25 and the main prize winners were: Kay Corniskey – colour TV; J McBeth – gallon of whisky; Mrs Paterson – his/her watches; Heath Walker radio/ cassette.

The guest entertainer at the dinner was comedian/vocalist Dave Lee who kept everyone in high spirits with his quick fire patter and singing, but the real star of the night was our very own past chairman, Dunbar Peddie, who really stole the show with his version of the Mr Blobby song. He put so much effort into his act that he had to devise his own method of cooling down and this raised the temperatures of his captivated audience, who were in stitches by this time, which is perhaps not as much as was Maureen's said).

Our sincere thanks go to everyone at Alloa Golf Club who helped to make this night a success and to DJ Jarvis who spun the records for the disco. Ian, don't give up your day job.

The AGM at Aberdour Golf Club on November 29 was rather poorly attended. Everyone must think that the section is being run so well that they don't have to bother turning up. If this is the case, then they couldn't be further from the truth, as we are always looking for fresh input and ideas from every member.

It was pleasing to welcome James Duncan to the AGM. James recently moved to another club down in England and when he left Aberdour, his boss (MC) leaked some information about which football team James supported. Well, now he has had the last laugh as he’s been in the Manager, Raith Rovers, have just qualified for Europe by defeating Celtic in the Coca-Cola Cup final. Shall we all hope for the best.

Two section members are starting 1995 with larger families than 1994 as Stuart Sie and his wife and Mark and Donna Gardner had additions to their families towards the end of the year. Congratulations go to both sets of parents. Hopefully, they are not having too many sleepless nights.

Thanks to everyone who sent their good wishes on my new appointment to Stirling Golf Club. My new home is Half Acre Cottage, Orwell Farm, Milnathort, Kinross-shire, KY13 7HE, telephone 0577 865 607.

I hope this is near enough the centre of the section for the person who thought that if the secretariat did not live in the middle of the section, he could not keep in touch with all the members. He must have different postal and telephone services, but then you can be sure that piece of string is shorter!

JOHN CRAWFORD

SOUTH COAST

Our first winter meeting was held at Aylesford Golf Club. Bob Young of Sparsholt College came along and gave a first-class talk on the new qualifications that our trainees are working towards. Employer support is essential for the new training and it was sad that only 12 members attended. With over 80 clubs in our section there is obviously an uphill struggle to create awareness of the new education situation. Our students will be looking for the support of their head greenkeepers, will they find it?

On the same evening the education committee had a successful first meeting and several points were clarified regarding the assessing of NVO. The industry assessors should soon be in a position to help with the college assessing programme. Any students concerned about their assessments can contact any of the assessors who are myself at the Hampshire Golf Club, Ed McCabe at Brockenhurst Manor Golf Club, Kerran Daly at Salisbury and West Wiltshire Golf Club and Martin Summers at Crane Valley Golf Club.

In February we have our next winter lecture at Aylesford Golf Club on Wednesday, 1st, when Ian McMillan will be coming from Hankley Common Golf Club. Ian always gives an interesting talk so meet him there at 7pm. Also on February 16, we have the section work shop at Sparsholt College. Aimed at the head greenkeeper/course manager, this day will deal with team building and confidence training. Skills we are often accused of lacking. Anyone who hasn't applied yet can contact me for information at 45 Constable Close, Sholing, Southampton, SO19 1EN, telephone 0264 334269/0703 3602195.

ALAN MITCHELL

AYRSHIRE

The good news this month is that we finished the year with 110 members in our section. Let’s all make a big effort in this coming season to let all those non-members know what they are missing.

Our section AGM was held on November 29 and for a change we had a good turnout. The main discussion was about the proposed new constitution for BIGGA, with many good points being made about staffing, pricing etc. Our views are in good hands with Harry Dia mond on the Review Committee. A major change in our own section is that a voucher system will be used for prizes at the outings to allow members to get what they want, rather than something they probably don’t need. We also have a fine array of new cups being presented by Aitkins, Stewarts, Scottish Grass and Rigby Taylor, which along with some of our older refurbished cups will make a great prize table.

By the time you read this our Christmas bowling
LEADING SPECIALISTS IN TURF MAINTENANCE MACHINERY

MAIN DEALERS FOR

RANSOMES CUSHMAN RYAN Total Turf Care.

J. GIBBS LTD
BEDFONT, MIDDLESEX
TELEPHONE: 081 890 5071
FAX: 081 751 0108

SENDMARSH TRACTORS
DISTRIBUTORS OF GROUND CARE AND MAINTENANCE EQUIPMENT

MAIN AGENTS FOR

MASSEY FERGUSON
BLEC

A S MARSTON TRAILERS
GRADE ALL

Used equipment:
BLEC one mtr Stoneburier, ex. demo ...........£2,800

The Forge, Ockham Lane, Cobham, Surrey KT11 1LU
Tel: 0932 866626 Fax: 0932 863046

PARKER HART
T. Parker & Sons (Turf Management) Limited,
Maiden Green Farm, Worcester Park, Surrey KT4 7NF
Tel: 081-337 7791 Fax: 081-330 7392

Turf-Care Supplies:
Fertilisers
Soil Conditioners
Wetting Agents
Pesticides
Grass Seeds
Turf
Line Marking Materials
Sports Equipment
Top Dressings
Soils & Sands
Composts
Bark
Tools

Engineering Services:
New Machinery
Reconditioned Machinery
Service
Repairs
Overhauls
Spare Parts
On Site Servicing and Repairs

Hire and Contract Services:
Specialist plant hire
Verti-draining
Aerating
Top Dressing
Over-Seeding
Hydro-Seeding
Grass Cutting
Spraying

For all your Turf-Care needs
night, and the festive season, will be a faint memory and the night and the festive season, will be a faint memory. Thankfully, it looks as if we will remain for a few years yet. It just remains for me to wish everyone a great New Year and hope that 1995 sees our Association going from strength to strength.

DUNCAN GRAY

LONDON

The turkey trot was held at Sandy Lodge Golf Club. The weather was very kind to us and the turnout was excellent. The course was in excellent shape and I would like to thank Peter Gee and Richard Elderfield and all the greenstaff in the preparation for the event. Out of the 52 competitors that entered, the overall winner with a score of 42 points was a new member to our section, Benjamin Knowles-Jackson. In second place with 40 points was Ian Semple who beat Gary Speller into third on the back six holes. The longest drive was hit by S Woolley and the nearest the pin was won by Peter Creary. The scores were very good and the following players had a reduction in their handicaps: Benjamin Knowles-Jackson 17 to 15.5; Ian Semple 2.2 to 1.8; Gary Speller 22 to 21; Simon Waley 15 to 14.

I would like to thank Sandy Lodge Golf Club for the hospitality that was shown to us and in particular the catering manager and the staff for the excellent meal. I would like to thank the trade for supporting us at Sandy Lodge and for all the help throughout last year.

We also held the AGM after the golf and this was a success in that more members were present and many points were raised. The committee were all voted back on and are as follows: Douglas Smith – Chairman; Barry Moggridge – Secretary; Craig Handy-side – Treasurer; Don Wilson – Golf events and handicaps; Tony Dunstan – Education events.

We will be organising a minibus to travel up to the BTME this month and details should have been received by now. If anyone is interested in the day return then please contact me as soon as possible on 081 959 5629.

Another trip has been organised next month on February 7 to visit the laboratory facility at Dowf- lanco. This has been funded by our section and Rigby Taylor. More details will follow but numbers will be limited so a quick response is required. Details will follow next month giving all the golf and education events for 1995.

TONY DUNSTAN

SURREY

Congratulations to Mick Haynes and Allan Donley of Walton Heath upon winning the Huxley Bowl. Looking back to November 9 and 11. I would like to thank Bill Oliver for his very informative lecture on Hardi Sprayers and to Kingswood Golf Club for the use of the Warren Room.

The dinner-dance proved to be a great success with an attendance of 77 out of a possible 80. Well done to the committee for all the hard work and arm twisting that went on to sell all the tickets and for making the evening such a success.

Finally, a second winter lecture has been arranged for February 13 at Walton Heath Artisans Club on the topic of irrigation, by Watermentation.

DAVID GIBBS

CLEVELAND

Brancepeth Castle Golf Club is to host the six Northern Counties Championships over five days in April.

Tony Smith, head greenkeeper at Teesside Golf Club, has had a surgical collar following a car accident. Best wishes Tony.

Mild autumn has meant continuous cutting of grass. How green and tidy it is looking. By the end of November, there were many worm casts. We do need help in worm control.

Ian Pemberton, first assistant at Saltburn By the Sea, is the new head greenkeeper at Bedale Golf Club. He starts in the new year.

The November meeting on pest control, moles and rabbits proved very helpful. For moles, trapping or strychnine baited worms are the answer. Rabbits are controlled by ferrets or Cymag, gassing or shooting.

Saltburn Golf Club is busy making two new tees and handi-caps; Tony Dunstan – Education events.

BRUCE BURNELL

SOUTH WEST

Now that the festive season is behind us, let me take this opportunity to wish all section members a happy New Year and good greenkeeping for 1995. Good greenkeeping is helped by good education which leads me nicely into a reminder that training courses in PA1, PA2, first aid and chainsaw use are readily available with a chainsaw course having been undertaken before Christmas. A circular letter will follow soon, so if interested indicate your requirements on the return slip. A fixture card for 1995 section events will also be with the forthcoming letter.

The section AGM for 1994 took place at Knowle Club in November and was well supported with approximately 50 members attending. Some people were beginning to wonder if the morning’s round of golf would take place at all after the heavy rain suffered by the West in previous days, but there was to be no disappointment as on the day the course was not only open but on 18 full greens! Thanks go to Chris Light and his staff for an excellent effort in course presenta-tion for the day. Results of the golf are as follows: 1, Peter Blackburn; 2, Gary Cocker; 3, Paul Worroester; 4, Paul Godwin; 5, Andy Parker.

Before the AGM got under way, Mark Hunt of Scotts gave a short and very interesting talk on sand greens and their fertilizer requirements compared to other green constructions. Thanks are given to Mark for his time and enthusiasm in agreeing to speak. Comments after the talk suggested that some members would not only have liked the lecture to last longer, but would like to see an educational evening given by one or two speakers throughout the early months of the year. If you have any thoughts on the matter or subjects for discussion contact me on 0272 793127.

The AGM was the last item of the day’s events and generated discussion on various points including educa-tion, health and safety and the section’s trophies. From now on a trophy will be presented to the event winner and will be their responsibility for its safety throughout the year, instead of its retention in the sec-tion’s trophy cabinet. Consequently the section voted to donate the cabinet to headquarters to house their silverware.

John York has this year stood down as section chairman and the position has been filled by Ivar Scoones from Long Ashton. On behalf of the section I would like to take this opportunity to thank John for his enthusiasm and commitment over recent years in section activities.

Election of section officers for 1995 were as follows: Chairman – Ivar Scoones; Vice-Chairman – Peter Cox; Secretary – Kevin Green; Assistant Secretary – Nick Wilson (Fixtures); Match Captain – Dave Neal; Reserve Captain – Paul Ferragut; Regional Board – Robin Greaves; Officers – Jason Cooper.

Finally, I have been asked by team captain Dave Neale to thank everyone who took part in team matches last year, making the three performances such a success.

KEVIN GREEN

NORTH WEST

Congratulations to Paul Pearse, course manager at Stockport Golf Club and North West section chairman, who won through to the last five in the ICI Premier Greenkeeper of the Year Award. Congratulations also to Stephen Outram, course manager at Wilmslow Golf Club and his wife Karen, on the birth of their son Samuel Ian on November 24. I know that caring for a baby takes up most of your time, so if Karen wins any more holidays in radio quizzes, I would be glad to take her place.

On the education front, two lecture afternoons at Myrescough are planned for January: Thursday January 12, 2pm – Talk by National Rivers Authority; 3pm, Turf Grass Ecology (Sports Turf Council) Thursday January 19, 2pm – Foliar Analysis (Robert Laycock); 3pm, Performance and Testing of Amenity Grasses (Or Newall). All BIGGA members will be made most wel- come.

The BTME at Harrogate on January 23-27 is defi-nitely not to be missed, with everything you require for your course being displayed indoors, and trade mem-bers ready to advise on your needs. While visiting, drop in on the Northern Region stand, and find out what is happening in your region. Why not drag your chairman of green along with his cheque book? It may be to your advantage.

The Northern Region seminar this year will be on March 16 at the Tytherington Golf Club. The main speaker will be Jon Allbutt, talking on the subject of health and safety. Further details will be in the February section notes.

I would like to welcome new members to the North West section and invite you to come along to any of the section events and meet your fellow greenkeep-ers. I would also remind members renewsihng their membership that where the golf club pay your sub-scriptions, fill in the details on your renewal form and hand them in to your golf club secretary, as the club are not invoiced for your subscriptions. I hope you all had a lovely Christmas and I wish you all a happy New Year.

Any news or views, ring 051 724 5412.

BERT CROSS

DEVON AND CORNWALL

Happy New Year to all!

Lanhydrock Golf Club was the venue for our AGM meeting on November 23. The day started with golfing members arriving at 8.30am to compete in the morn-ing’s foursome competition for the Toro Trophy. With the mildest and wettest November on record, Lanhy-drocks head greenkeeper, Martin Morgan, and his staff did a marvelous job in making the course playable.

As usual non-golfing members armed with their Wellington boots were given a tour of the course and shapes before returning to the clubhouse for lunch.

After lunch the prize presentation for the Toro Tro-py took place with Alan Dommett of Devon Garden Machinery presenting the prizes to: 1, J Parr (Exeter) and S Milne (Exeter) 45 pts; 2, C Rawlings (Paddington) and R Battishill (St Mellion) 40 pts; 3, A Ramsden (Budock Vean) and A James (Tehidy) 40 pts.

Our thanks to Alan for donating and presenting the day’s prizes and to Mr G Bond, owner of Lanhydrock Golf Club, and his management team for allowing the section use of their excellent facilities.

The section’s AGM followed the golf presentation. Full details next month.

RICHARD WHYMAN
Aerators

AERATORS

Problems with dirty water or algae bloom? Let Otterbine clean-up your lakes and ponds.

The world leader in water quality management.

Available from leading irrigation companies. Full details from:

S.G.I. Sales

2 Stuart Road,

Market Harborough LE16 9QO

Tel: 0858 461153 Fax: 0858 410085

Agronomy

PSD AGRONOMY LTD

A COMPLETE AGRONOMIC CONSULTANCY SERVICE FOR THE GOLF CLUB and GREENKEEPER

- Contact Management
- Extensions and New Courses
- Site Management and Problems
- Diagnosis on Existing Courses
- Technical Advice and Support all year round
- Soil and Turf Analyses

For further information contact:

David Starshack or John Hackett

48 Stargard Road, Preston PR2 4PH

Tel: (0772) 884450 Fax: 884446

Animal Repellents

FAIRWAYS DISCRETE CONTROL

CONSULTANCY ENVIRONMENTAL SERVICES & TRAINING

Rabbits & Mole's... Our problem!

SPRINGER HOUSE - WINDMILL LANE

KEMBLE - CIRENCESTER GL9 6AN

TEL: 0285 770919 FAX: 0285 770910

All Weather Walkways

ALL WEATHER WALKWAYS

Limit turf damage with a natural wood fibre walkway.

- Free draining
- Soft and quiet tread
- Engineered particle size
- Blends into the landscape
- Expert construction advice

- Domilt

For further information please call us on

Creemstone 0285 6607812

Aquatic Weed Control

AQUATIC WEED CONTROL and DESILTING

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

Contact: Waterland Management Ltd

(01344) 421012

Artificial Grass

WORING HOUSE

Hans RG23 8PY

Tel: 0256 811014

- COURSE CONSTRUCTION
- SYNTHETIC GRASS TEES
- WINTER GREENS
- ADVENTURE GOLF

Arboriculture

Iver, Bucks, SLO 9LA

Tel 0753 652022

Fax 0753 653007

Architects

JONATHAN GAUNT

B.A. (Hons.) Dip L.A.

GOLF COURSE ARCHITECT

From feasibility studies to complete design projects including contract supervision

40C NORWICH ROAD FOREST GATE LONDON E7 9HJ

TEL: 081 555 8577 FAX: 081 519 6163

Associate of the British Institute of Golf Course Architects

Bacteria

SYMPHO

GREEN CIRCLE

The biological way to:

- Degrade THATCH
- Increase Root Depth
- Promote Fine Grasses
- Reduce Fertiliser Needs
- Combat Disease

Tel: England/Wales: 081 669 0011
Scotland: 0764 683250
Ireland: 045 61389

Bark

PRACTICALITY BROWN

PATHFORM Hardwood Chips

Ring for samples and colour brochure

Iver, Bucks, SLO 9LA

Tel 0753 652022 Fax 0753 653007

M & B SUPPLIES

Walkway Chips, Softwood Bark - All Grades, Fertilizers, Composts, Peat, Horticultural Sundries

290 Road, Longton, Stoke-on-Trent Staffordshire, ST3 2JQ

Telephone 0782 593233

Bridges

HICKSON LEISURE DEVELOPMENTS

BRIDGES

Pedestrian and Vehicular

REVETMENTS SHEET PILING SHELTERS

HICKSON LEISURE DEVELOPMENTS

NEW POTTER GRANGE ROAD, GOOLE

NORTH HUMBERSIDE DN14 6XF

telephone (0405) 768046 fax (0405) 768022

Buildings

Ivan J Cooper Ltd

Steel Framed Buildings

Moorside Works, Cauldon Lowe, Stoke-on-Trent ST10 3ET

Tel: 0538 720228 Fax: 0538 720662

The most cost-effective way of reaching readers of Greenkeeper International. Simply ring Bill Lynch on 091 413 7218, Carol Dutton or Louise Lunn on 0347 836851 and ask about an alphabetical category listing: the cost starts from the equivalent of under £25 per month.

You're onto a winner with Greenkeeper International

Find three tiny £50 notes - win a real one, for free!

Here we go with another chance to win £50 with Greenkeeper International!

All you have to do is take a look at this £50 note symbol. Now look through the ads in the Buyers' Guide section and spot THREE of them - they've been reduced in size, but they're there, somewhere!

Write down the names of the three ads where the £50 notes are located and send your entries on a postcard to:

January winners!

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

Tell the industry of your products and services, through an advertisement in greenkeeping's top magazine GREENKEEPER INTERNATIONAL

We extended the entry deadline for last month's competition, to allow for the Christmas post. Next month we'll announce both the December and the January winners!

For further information contact:

Contact: Waterland Management Ltd

(01344) 421012

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures

For further information please call us on

Creemstone 0285 6607812

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures

For further information please call us on

Creemstone 0285 6607812

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures

For further information please call us on

Creemstone 0285 6607812

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures

For further information please call us on

Creemstone 0285 6607812

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures

For further information please call us on

Creemstone 0285 6607812

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures

For further information please call us on

Creemstone 0285 6607812

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures

For further information please call us on

Creemstone 0285 6607812

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures

For further information please call us on

Creemstone 0285 6607812

For lakes, ponds, rivers and bankside areas. Professionally qualified and experienced operators

- Tree Spade Hire
- Semi Mature Tress supplied
- Mulches supplied
- Ring for colour brochures
**Cockleshells**

PHOENIX SPORTS TURF SERVICES

Cockleshells

Delivered Nationwide

"SUPPLIERS OF QUALITY FINE TURF, CONSTRUCTION SOILS, ROOT ZONES & DRESSINGS"

Tel: 0229 489081 Fax: 0229 489002
20 Nelson St, Dalton-in-Furness, Cumbria LA15 8AF

---

**Chemical Disposal**

CHEMICAL & EMPTY CONTAINER DISPOSAL A PROBLEM?

ENVIROGREEN offer a Specialist Pesticide Disposal Service for both full and empty Container disposal. Also Record Books, Signs, Chemical & Fuel Stores and Protective Clothing

ENVIROGREEN Limited

Maxwell Hart Building Centre

PO Box 288, Lightwater, Surrey GU18 5HH

Registration No: BRL/05342

Tel: 0345 125398

Fax: 0345 125397

---

**Construction**

Greenline

Golf Course Construction Co.

CONSTRUCTION AND REFURBISHMENT CONTRACTOR

For all your design and construction requirements

47A Iona St, Edinburgh EH6 8SR

Tel: 031 555 1799 Fax: 031 555 3271

---

C.J. Collins

Construction

Golf Course Contractors

Specialists in complete construction, or green, tee, bunker and drainage refurbishments

---

**Cockleshells**

PHOENIX SPORTS TURF SERVICES

Cockleshells

Delivered Nationwide

"SUPPLIERS OF QUALITY FINE TURF, CONSTRUCTION SOILS, ROOT ZONES & DRESSINGS"

Tel: 0229 489081 Fax: 0229 489002
20 Nelson St, Dalton-in-Furness, Cumbria LA15 8AF

---

**Chemical Disposal**

CHEMICAL & EMPTY CONTAINER DISPOSAL A PROBLEM?

ENVIROGREEN offer a Specialist Pesticide Disposal Service for both full and empty Container disposal. Also Record Books, Signs, Chemical & Fuel Stores and Protective Clothing

ENVIROGREEN Limited

Maxwell Hart Building Centre

PO Box 288, Lightwater, Surrey GU18 5HH

Registration No: BRL/05342

Tel: 0345 125398

Fax: 0345 125397

---

**Construction**

Greenline

Golf Course Construction Co.

CONSTRUCTION AND REFURBISHMENT CONTRACTOR

For all your design and construction requirements

47A Iona St, Edinburgh EH6 8SR

Tel: 031 555 1799 Fax: 031 555 3271

---

C.J. Collins

Construction

Golf Course Contractors

Specialists in complete construction, or green, tee, bunker and drainage refurbishments

---

GOLDF LANDSCAPES LIMITED

ASHWELLs ROAD, BENTLEY BRENWOOD, ESSEX CM15 9SR

TEL: (0277) 373720

FAX: (0277) 374834

---

**Driving Range Equipment**

RANGE SERVANT

UK Ltd.

A NEW UK subsidiary of Range Servant of Sweden AB, Europe's market leader for GOLF RANGE EQUIPMENT

Tank Dispensers, Collectors and Washers, Play Off Mats and Winter Tee Mats.

AUTOMATIC TEE-UP UNIT

Phone/Fax 0442 834242 Mobile: 07858 244244 4 Arden Close, Bovingdon HP3 0Q5

---

**Environmental Products**

For natural and environmental solutions to get you growing, contact:

farmura

Stone Hill, Egerton, Ashford, Kent TN7 7DY

Tel: 0233 756241 Fax: 0233 756419

---

**Fertilisers**

Scotts

FERTILISERS COMING TO THE UK SOON!

For more information contact:

Scotts UK Ltd
(formerly Grace Sierra UK)
61 Loughborough Road, West Bridgford, Nottingham NG2 7LA

Tel: 0115 9455100 Fax: 0115 9455311

---

**Golf Course Supplies**

STRIKE TOP TURF BULK SUPPLIES

Dressings, Soils & Sands

Pathways

Top Dressing

Wood Fibre, Coloured Wood Fibre, mulch themed

Knot Zones

Sieved Soils

Sands RDX

Moneystone, etc.

Putt, all grades

ACCESSORY MANUFACTURER

Tree Planting Composts

Kern Prices quoted - Express Delivery

Phone or Fax 0161 456 7109

Mobile: 0831 639798

---

**Golf Course Supplies**

STRIKE TOP TURF BULK SUPPLIES

Dressings, Soils & Sands

Pathways

Top Dressing

Wood Fibre, Coloured Wood Fibre, mulch themed

Knot Zones

Sieved Soils

Sands RDX

Moneystone, etc.

Putt, all grades

ACCESSORY MANUFACTURER

Tree Planting Composts

Kern Prices quoted - Express Delivery

Phone or Fax 0161 456 7109

Mobile: 0831 639798

---

**Greenkeeper International**

January 1995
Available Gardening • Fish Farms
in wood or concrete • Garden Centres
Tel (01233) 625121 or 620277

ASHWELL  MAKE  IT  EASY • Sale, hire or buyback • Choice of new or used • Generous bulk discount • Cutting sen/ice • Sale or return • Delivery
Tel: 0375 892576 Fax: 0375 891736

Price quoted for number required

NEW HOTLINE NUMBER:
NOW SPREADING
graded silica sands for all purposes.

CAMAS
Complete range of damp and dried
graded silica sands for all purposes.
Contact John Deavin at
Crossing Timbers
Camas
Complete range of damp and dried
Railway Sleepers

Sand/Silica Sand

TOP GRADE TOP DRESSINGS
Lime tree dried & washed sands
Lime tree mould & washed sands
Bulk 24 hour delivery service

Sand Silica Turf

Sand Silica Sand

GARDEN CENTRES
Tel (01233) 625121 or 620277

GRASSLANDS
Specialist Seed Grown Turf Producers
COVERING THE SOUTH
Grasslands Turf Farm, Ashford Road, New Romney, Kent TN28 8TH
Tel/Fax: (0707) 367130

Grasslands
Specialist Seed Grown Turf Producers
COVERING THE SOUTH
Grasslands Turf Farm, Ashford Road, New Romney, Kent TN28 8TH
Tel/Fax: (0707) 367130

Turf

TURF GROWN TO YOUR SEED SPECIFICATION
or from our stock
ALL GROWN IN STERILE COMPOST
Supplied nationwide
GREENKEEPER LTD,
Shelford Manor, Shelford,
Nottingham NG12 1ER
Tel/Fax: 0949 21144

Turf Dressings

FEN TURF DRESSINGS LTD
for Fendress Top Dressing
• Fendress Superline
• Economy Dressing
• Rootzone Mixes
• Screened Fensil
• Screened Peat
• Screened Loam • Kiln Dried Sand • Bunker Sands

Turf Dressings

EXCELLENCE THROUGH EXPERIENCE
SHELFRD TURF FARMS

Tip Top Turf.
Seed grown turf available in one sq yd or large 25 sq yd rolls with laying machines or service available.
Tel: 0908 270701 • Fax: 0908 374889

Turf

GROWERS AND SUPPLIERS OF HIGH QUALITY CULTIVATED TURF FOR ALL APPLICATIONS AND APPOINTED OFFICIAL TURF PRODUCERS TO WEMBLEY STADIUM

THE INTURF GROUP
Regent Street • Pucklington • York YO1 2QN
Telephone 01759 304101 • Fax 01759 305229

Turf Dressings

EXCELLENCE THROUGH EXPERIENCE
SHELFRD TURF FARMS

GRASSLANDS
Specialist Seed Grown Turf Producers
COVERING THE SOUTH
Grasslands Turf Farm, Ashford Road, New Romney, Kent TN28 8TH
Tel/Fax: (0707) 367130

Turf

FEN TURF DRESSINGS LTD
for Fendress Top Dressing
• Fendress Superline
• Economy Dressing
• Rootzone Mixes
• Screened Fensil
• Screened Peat
• Screened Loam • Kiln Dried Sand • Bunker Sands

Turf Dressings

EXCELLENCE THROUGH EXPERIENCE
SHELFRD TURF FARMS

GRASSLANDS
Specialist Seed Grown Turf Producers
COVERING THE SOUTH
Grasslands Turf Farm, Ashford Road, New Romney, Kent TN28 8TH
Tel/Fax: (0707) 367130

Turf

FEN TURF DRESSINGS LTD
for Fendress Top Dressing
• Fendress Superline
• Economy Dressing
• Rootzone Mixes
• Screened Fensil
• Screened Peat
• Screened Loam • Kiln Dried Sand • Bunker Sands

Turf Dressings

EXCELLENCE THROUGH EXPERIENCE
SHELFRD TURF FARMS

GRASSLANDS
Specialist Seed Grown Turf Producers
COVERING THE SOUTH
Grasslands Turf Farm, Ashford Road, New Romney, Kent TN28 8TH
Tel/Fax: (0707) 367130

Turf

FEN TURF DRESSINGS LTD
for Fendress Top Dressing
• Fendress Superline
• Economy Dressing
• Rootzone Mixes
• Screened Fensil
• Screened Peat
• Screened Loam • Kiln Dried Sand • Bunker Sands

Turf Dressings

EXCELLENCE THROUGH EXPERIENCE
SHELFRD TURF FARMS

GRASSLANDS
Specialist Seed Grown Turf Producers
COVERING THE SOUTH
Grasslands Turf Farm, Ashford Road, New Romney, Kent TN28 8TH
Tel/Fax: (0707) 367130

Turf

FEN TURF DRESSINGS LTD
for Fendress Top Dressing
• Fendress Superline
• Economy Dressing
• Rootzone Mixes
• Screened Fensil
• Screened Peat
• Screened Loam • Kiln Dried Sand • Bunker Sands

Turf Dressings

EXCELLENCE THROUGH EXPERIENCE
SHELFRD TURF FARMS

GRASSLANDS
Specialist Seed Grown Turf Producers
COVERING THE SOUTH
Grasslands Turf Farm, Ashford Road, New Romney, Kent TN28 8TH
Tel/Fax: (0707) 367130

Turf

FEN TURF DRESSINGS LTD
for Fendress Top Dressing
• Fendress Superline
• Economy Dressing
• Rootzone Mixes
• Screened Fensil
• Screened Peat
• Screened Loam • Kiln Dried Sand • Bunker Sands

Turf Dressings

EXCELLENCE THROUGH EXPERIENCE
SHELFRD TURF FARMS

GRASSLANDS
Specialist Seed Grown Turf Producers
COVERING THE SOUTH
Grasslands Turf Farm, Ashford Road, New Romney, Kent TN28 8TH
Tel/Fax: (0707) 367130

Turf

FEN TURF DRESSINGS LTD
for Fendress Top Dressing
• Fendress Superline
• Economy Dressing
• Rootzone Mixes
• Screened Fensil
• Screened Peat
• Screened Loam • Kiln Dried Sand • Bunker Sands

Turf Dressings
**Rufford**

**TOP-DRESS SUPPLIES**

Britain’s No. 1 for QUALITY - SERVICE - SHEER VALUE FOR MONEY

Fairway House, South Bridge, Barnstaple, Devon, EX33 1QZ

Tel: 01271 883305 Fax: 01271 881920

**Alder Root Golf Club**

Competitive rates and prompt service offered throughout the North West

For details contact: Ernie Lander on 0925 291919 or 0831 448617

**PARKER HART**

Verti-draining, hollow coring, conventional and hydro-seeding throughout the South East

Complete range of turfcare machinery available for hire

Competitive rates

Reliable equipment

Experienced operators

Call Karen or Anne

081 337 7791

**HERONFIELD HIRE**

(Soilhill)

Vertidrain, Moore Sportsfield Over-Seedsers, Verti Over-Seeder for Greens & Tees, Toro Aerator, Case Trenchers & Sportsfield Slitters etc.

Contact: Doug or Ron Johnson

Tel: 01564 772597

Fax available

**PETER MANNINGTON**

Specialist Verti-Drain Contractor for the South

For greens, tees, fairways and sportsgrounds

Experienced operator, competitive prices and reliable service

Phone Peter on 0580 200205 or Mobile 0850 612061

Sheepwash Farm, Church Street, Ticehurst, Wadhurst, East Sussex TN5 7DL

**ROSS OLIVER**

SPORTS GROUND CONSTRUCTION

VERTIDRAINING & HOLLOW CORING

Contact Peter Bloodworth

1 Grovehill Farm, New Park, Almondbury, Huddersfield, HD1 5SP

Tel: 01484 890226 Fax: 01484 891581

**SEWARD**

**MIDLAND TURF AERATING SERVICE**

- Verti-Draining - Hollow Coring with Ryan GA30
- Core Collector - Deep Sitting - Top Dresser - Over-Seeder - Tractor Hire

- Competitive prices • Professional nationwide service

Tel/Fax 01924 417567

Charles Frost

**E&S SPORTSGROUND CONTRACTORS**

We're No. 1 for Vertidraining, Hollow Tining and Core Collection

For competitive rates and a professional service, contact

RICHARD VEITCH

0734 795454

The Fairways, King Street Lane, Winsor, Wokingham, Berkshire RG11 5AX

Fax: 0734 792353

**WEED FREE**

(Backnwell)

Professional Weed Killing & Associated Turf Services

MIKE SEATON F.Inst.G(Dip)

Tel: (01344) 481011

Fax: (01344) 300052

Mobile: (0850) 300104

**You’re at the end of the Buyers’ Guide section — if you haven’t found the ads with the 3 symbols in yet,**

**TRY AGAIN: IT COULD BE WORTH £50 TO YOU!**
CLASSIFIED

Machinery For Sale

QUALITY REBUILT GROUND CARE MACHINERY
• Gang Mowers • Triple Mowers
• Cylinder Mowers • Aerator
Equipment • Scarification & Collection Equipment • Nationwide Delivery.
Import by Arrangement
EFG GARDEN MACHINERY
Tenterfields Business Park, Luddendenfoot, Halifax HX2 6EJ.
Tel: 0422 882165
Fax: 0422 886014

Ransomes Commander 3500DX
6 knife fixed heads From £25,000
Ransomes Parkway 225 6 knife fixed heads From £19,950
Ransomes MT Champion vertigroom units and grass catchers From £7,500
Ransomes Motor 180D 7 knife floating heads with grass boxes From £8,975
Ransomes Greens Pro 56 with transport wheels From £2,500
Ryan Turf Cutter 16" Heavy Duty...From £5,900
Iseki SG17 ride-on mower 48" side discharge deck and collector From £7,825

JACOBSEN DISTRIBUTORS
Largest selection of professional used and reconditioned grass machinery in the Midlands
Jacobsen Greensking petrol and diesel
Ransomes Hydr Mtd 5
Jacobsen diesel 3WD Tri-King
Toro GM 3000D
J Reg Ransomes 213D

CONTACT
CHRIS BRYDEN
0777 704275
EVENINGS: 0602 209401

FORD
1220, turf tyres, rollbar, low hours £5,500
KUBOTA 1750, 2150, 8200 Compact Tractors... P.O.A.
KUBOTA 2850, choice of two, creep gearbox fitted P.O.A.
ISEKI TA 530, creep gears, cab, turf tyres £5,450
FORD 1910 £5,500
MF 350, 352, 3 WD. Leader fitted if required P.O.A.
FORD 335, 1986 51HP 2 WD, turf tyres £5,650

Jacobsen, Toro, Ransomes and Sabo Roberine Triple Mowers available
Other tractors and machinery in stock. Telephone or fax for further details.
Tel: 0260 224568
Fax: 0260 224791

Trees

LARGE TREES IDEAL for GOLF COURSES
Many varieties Nursery seconds
From £3.00
Ramswood Nurseries
Tel: 0925 821002
Fax: 0925 821022

Business Opportunity

COMMISSION AGENTS
Well established Company with a recognised product range requires Commission Agents to call on Golf Clubs in Wales, Northern England, Midlands, East Anglia and Southern England.
Kindly telephone: 0858 464346

Forest Pines Golf Club
We are inviting applications for the position of HEAD GREENKEEPER
for a new golf course in South Humberside due to open in May 1996. Forest Pines Golf Club is located in a beautiful woodland close to Scunthorpe and is designed to Championship standard. Applicants must have formal qualifications and a proven track record in all aspects of course management. The successful candidate will be responsible for overseeing the growing-in of the new course and will be expected to recruit other greenkeeping staff as required. Excellent terms and conditions (negotiable).
Please write enclosing your C.V. to:
Mr David Middleton, Briggate Lodge Inn, Ermine Street, Broughton, Brig, South Humberside. DN20 0AQ

RECRUITMENT

TURF IRRIGATION SPECIALISTS
We supply:
• Manual or automatic pop up installations
• Mobile or static sprinklers
• Subterranean porous hose systems

Irrigation for:
• Golf Courses • Bowling Greens • Football Pitches
• Cricket Squares • Riding Areas
• Public Amenities and Gardens

We offer full Design, Installation and After Sales Service

FOR ADVICE AND NO OBLIGATION QUOTATIONS PLEASE CONTACT:
Hortech Systems Ltd, Hallgate, Holbeck, Spalding, Lincs PE12 7LG
Tel: 0406 426513

Line Markers

HENRY ROYLE
For 750ml Line Marker Aerosols at very competitive prices
Backlapping Paste – silicon carbide coarse, medium, fine
Heavy Duty Floor Paint
Phone: (01772) 745038 and ask for Henry Royle

Richard Campney
Toro 3000 petrol c/w greens units and verticut units £5,250
EX DEMO LESCO 3000, 3 WD c/w greens units and turf groomers £9,950
Selection of Ransomes, Jacobsen, Lesco and Huxley Gangmower
– telephone for details/prices
FORD 1220, turf tyres, rollbar, low hours £5,500
KUBOTA 1750, 2150, 8200 Compact Tractors... P.O.A.
KUBOTA 2850, choice of two, creep gearbox fitted P.O.A.
ISEKI TA 530, creep gears, cab, turf tyres £5,450
FORD 1910 £5,500
MF 350, 2 and 4 WD. Leader fitted if required P.O.A.
FORD 335, 1986 51HP 2 WD, turf tyres £5,650

Jacobsen, Toro, Ransomes and Sabo Roberine Triple Mowers available
Other tractors and machinery in stock. Telephone or fax for further details.
Tel: 0260 224568
Fax: 0260 224791

Trees

LARGE TREES IDEAL for GOLF COURSES
Many varieties Nursery seconds
From £3.00
Ramswood Nurseries
Tel: 0925 821002
Fax: 0925 821022

Business Opportunity

COMMISSION AGENTS
Well established Company with a recognised product range requires Commission Agents to call on Golf Clubs in Wales, Northern England, Midlands, East Anglia and Southern England.
Kindly telephone: 0858 464346

Forest Pines Golf Club
We are inviting applications for the position of HEAD GREENKEEPER
for a new golf course in South Humberside due to open in May 1996. Forest Pines Golf Club is located in a beautiful woodland close to Scunthorpe and is designed to Championship standard. Applicants must have formal qualifications and a proven track record in all aspects of course management. The successful candidate will be responsible for overseeing the growing-in of the new course and will be expected to recruit other greenkeeping staff as required. Excellent terms and conditions (negotiable).
Please write enclosing your C.V. to:
Mr David Middleton, Briggate Lodge Inn, Ermine Street, Broughton, Brig, South Humberside. DN20 0AQ

RECRUITMENT
The Golfclub Mittelland
Oberentfelden
requires a
HEAD GREENKEEPER

We require a qualified Greenkeeper
able and experienced in all aspects of
turf and machinery to look after a
picturesque 9 hole golf course in the
centre of Switzerland.

Please apply in writing with full CV
to:
GOLFCLUB MITTELLAND
Muhenstrasse 52
5036 Oberentfelden
Switzerland

Cuddington Golf Club
require an
ASSISTANT HEAD GREENKEEPER

Applicants should be appropriately
qualified with broad practical
experience and the ability
to motivate staff.

Excellent prospects for the right
candidate to work with modern
machinery in an enthusiastic team.

Accommodation available.

Apply with career details to:
The Secretary
Cuddington Golf Club, Banstead Road,
Banstead, Surrey SM7 1RD

Five Lakes Hotel,
Golf & Country Club
require a
HEAD GREENKEEPER

for their two established 18 hole golf courses.

Applicants must possess appropriate
qualifications as well as a proven track record in
course management, budgetary control,
machine maintenance and irrigation systems.
The ability to motivate and direct staff is
essential.

Salary will be negotiable.

No accommodation.

Apply in writing with curriculum vitae to:
Director of Golf
Five Lakes Hotel, Golf & Country Club,
Colchester Road, Tolleshunt Knights,
Maldon, Essex CM9 8HX

Mount Pleasant Golf Course
is looking to appoint a
HEAD GREENKEEPER/COURSE MANAGER

from March 1, 1995

This very popular 9 hole course, established in
1992, is privately owned, with a mix of Pay &
Play and membership.

The position would suit an ambitious qualified
First Assistant looking for career
advancement. Although no accommodation is
offered, the course is situated in the centre of
an attractive thriving village. They will be
responsible solely to the proprietors, resident
on site.

Salary and conditions to be negotiated using
BIGGA recommended guides.

Please address written applications, with CV, to:
Mr D L Simkins,
Mount Pleasant Golf Course,
Lower Stondon, Henlow, Beds SG16 6JL
**Saffron Walden Golf Club**

requires a **COURSE MANAGER**

for an established undulating 18-hole parkland course.

Applicants should have suitable qualifications and several years experience at a minimum level of Deputy Head Greenkeeper.

The ability to lead, motivate, and organise effectively, an established team of greenstaff is essential.

Requirements include a good working knowledge of irrigation systems, greenkeeping machinery, and Health and Safety regulations.

Salary is negotiable, and accommodation is available.

Apply in writing with full CV to:

The General Manager, Saffron Walden Golf Club,

Saffron Walden, Essex CB10 1BX

---

**Millstätter See Golf Club**

Carinthia/Kärnten, Austria invites applications for the position of **HEAD GREENKEEPER**

This is a new golf course to be built in the southern-most province of Austria, in one of Austria's most attractive holiday regions.

The successful applicant will have the following skills, knowledge and experience:

- Greenkeeping qualifications
- Experience in bringing a course into play and construction experience
- Machinery maintenance
- Budget control
- Knowledge of German would be an advantage, but not a necessity
- A good standard of golf

An attractive salary will be offered including accommodation.

Construction will begin March/April 1995.

If you are looking for a new and exciting challenge and have the necessary self-motivation to make the move to a new country, this is the job for you!

Please apply with full details of career and qualifications to date to:

G Manson, Staudach 110/2, A9546 Bad Kleinkirchheim, Kärnten, Austria

Tel and Fax (from England): 010 43 4240 8426

---

**The Royal County Down Golf Club**

require a **COURSE MANAGER**

This is a new appointment with the incumbent responsible for the management of a Championship Course ranked one of the 10 Greatest Courses in the World and a second 18 Hole Course both in a magnificent setting overlooked by the Mountains of Mourne and on the shore of Dundrum Bay.

Applicants must have practical experience of links course maintenance and all aspects of course management with proven ability to lead and motivate staff.

Salary is negotiable in accordance with qualifications and experience.

Please apply in writing with full CV to:

The Secretary,

The Royal County Down Golf Club, Newcastle, County Down, BT33 0AN

---

**Greetham Valley Golf Club**

requires an **EXPERIENCED HEAD GREENKEEPER**

For 27 Hole Main Course plus a 9 Hole Par-3 Course

Applicants must be suitably qualified and possess the necessary management and supervisory skills with appropriate greenkeeping qualifications and detailed knowledge of the use and maintenance of modern machinery.

Salary negotiable.

Apply in writing with full CV to:

R E Hinch Esq

Greetham Valley Golf Club, Wood Lane,

Greetham, Rutland LE15 7RG
**BOURNE AMENITY**
requires two
ARENA SALES MANAGERS
for the areas
HANTS/SURREY and
ESSEX/NORTH LONDON

Due to continued success and expansion we need committed professionals capable of selling top of the range products into golf courses, local authorities and constructors.

You will be joining a dedicated, enthusiastic team and full product training will be given if necessary. Excellent remuneration package is available including company car.

All applications will be treated in the strictest confidence.

Apply in writing to:
Dick Reid, Bourne Amenity,
Newenden, Cranbrook, Kent TN18 5QG
or ring for an informal discussion on (01797) 252298

---

**Greenkeeping Section**

**ELMWOOD COLLEGE**

**LECTURER IN GREENKEEPING**

*(Fixed Term Post – 23 months)*

Applications are invited for the above post.

Candidates should have a qualification in greenkeeping and recent experience in a golf course and/or groundsmanship situation.

Salary presently from £13,218 to £20,529.

Application forms and further information are available from the Personnel Manager, Elmwood College, Cupar, Fife KY15 4JB, or by telephone (0334) 652781.

The closing date for applications is Friday 20 January 1995.

---

**Warren Golf Club**

invite applications for the position of

**HEAD GREENKEEPER**

for an 18 hole links course, situated on the coast, 12 miles south of Exeter.

The successful applicant will be responsible for all aspects of course management and preparation. He or she must have appropriate greenkeeping qualifications and possess the necessary management and supervisory skills to enthusiastically lead and motivate staff, organise work programmes and maintain Health & Safety requirements. A knowledge in the use and maintenance of modern machinery will be required.

Local accommodation is immediately available and the salary is negotiable.

Apply in writing with full CV to:
Mr P G Tomlinson, Manager, Warren Golf Club,
Dawlish Warren, Devon EX7 0NF

---

**The Northwood Golf Club Ltd**

requires an

**EXPERIENCED GREENKEEPER**

Applicants must be fully qualified.

Salary negotiable. Accommodation may be provided.

Applications, with CV, in writing to:
The Secretary, Northwood Golf Club,
Rickmansworth Road, Northwood HA6 2QW

---

**Reading Golf Club**

**HEAD GREENKEEPER**

required for established 18 hole golf club.

Applications invited from candidates with relevant qualifications and experience.

Terms and conditions negotiable.

Written applications with full CV to:
The Secretary, Reading Golf Club,
17 Kidmore End Road, Emmer Green,
Reading, Berkshire RG4 8SG

---

**Burton on Trent Golf Club**

invite applications for the position of

**HEAD GREENKEEPER**

The course is a mature parkland course, almost 100 years old, in South Derbyshire.

Applicants must be suitably qualified and fully experienced in Golf Course Management and maintenance techniques.

The remuneration for this job is negotiable within BIGGA recommendations and includes a house overlooking the golf course.

Please send your application, CV and references to:
The Secretary, Burton on Trent Golf Club Ltd, 42 Ashby Road East, Burton on Trent, Staffs DE15 0PS

Closing date for applications 31 January 1995
How can I reduce my golf course hazards?

As the owners and managers of a fine 18-hole municipal golf course, we are becoming increasingly concerned by the number of injuries being caused to groundstaff by the occasional mis-produced golf ball.

Whilst we appreciate that the very nature of the game makes it impossible to make all work on the course totally safe, any improvement which we can make to our working practices in order to reduce such incidents would be more than welcome.

It would therefore be very much appreciated if readers could let me know as to how similar problems have been dealt with on their own particular courses, and as to whether such action has proved successful.

S Packard, Contracts Supervisor (Horticulture), Tamworth Borough Council, Marmion House, Lichfield Street, Tamworth, Staffordshire B79 7BZ

Day to remember

I would like to convey my sincere thanks to all concerned with the ICI Premier Greenkeeper of the Year Award held at Aldwark Manor. All the contestants were given a tremendous welcome and made to feel very important.

The Zeneca staff all worked very hard to ensure our stay was an enjoyable one and the memory of this occasion will remain for some considerable time to come. Their commitment to BIGGA and its education must be encouraged to continue well into the future.

Since being chosen as this year’s winner, I have returned to work somewhat as a celebrity, receiving numerous requests for interviews and photo-sessions. I hope that next year will encourage more entrants to this great competition.

Once again, may I take this opportunity to thank all concerned, especially the Zeneca staff, the BIGGA staff and not forgetting the staff at Aldwark Manor.

David Walden
1994 ICI Premier Greenkeeper of the Year, Yaxley, Peterborough

‘Excellent opportunities’

I would like to bring to your attention an excellent opportunity to work on American golf courses. The programme provided by the Ohio State University for young and enthusiastic greenkeepers who wish to experience working on American golf courses.

The course is titled ‘Ohio International and Agricultural Intern Program’ and its aim is to promote the general interest of international exchange in the field of agriculture.

This program provides excellent opportunities for those who wish to further their education and also to experience the latest greenkeeping methods and techniques found in the American turfgrass industry.

I am currently involved in the Ohio States program and am serving my internship at Cypress Bay Golf and Beach Club, Myrtle Beach, South Carolina. I have found that the rewards can be quite substantial for those who are dedicated to the profession as I have recently been promoted to assistant superintendent of golf courses.

For anyone who is interested and for further information, I suggest they contact: Mr Michael Chrisman, Ohio Agricultural Intern Program, Ohio State University, 113 Agricultural Administration Building, 2120 Fyffe Road, Columbus, OH 43210, USA.

Steve Holmes
Assistant Superintendent
Cypress Bay Golf and Beach Club

Some of us do care

Re: “Poor consultants”. As a firm of consultants, we regularly visit a wide range of golf courses to advise on the planting and management of trees. Always in the back of our minds is that the term “consultant” has been diluted by many financial service-type companies and individuals, none of whom are true consultants.

A less favourable definition might be someone who borrows your watch and then tells you the time, but my own definition is a person who is professionally qualified in their own discipline, who has at least five years relevant experience, and who offers a sound practical service.

To date, we have found that all of our work has been warmly received and appreciated by the various green convenors, committees and greenkeepers that have sought our advice, a result of hard work and dedication to the task involved. These courses include Canmore, Bathgate, Westhill, Kingsknowe, Dunfermline, Blyth, Turnhouse, Pitreavie, Heysham, Largs, Saline, Braehead, Greenock, Barberton, Blair Atholl, Buchanan Castle, Raileton, Balbirnie and Hilton Park – and a happy bunch they are too.

I just hope that in future the word “consultant” does not raise pre-conceived derogatory ideas from your members. Some of us do care.

Andrew Vaughan, woodland consultant, Eamonn Wall & Co, Dollar, Clackmannanshire

---

Worcestershire Golf Club

Owing to retirement the appointment of a HEAD GREENKEEPER will be made by May, 1995.

The Club is seeking the services of an experienced greenkeeper who will be capable of leading and motivating the staff. The successful applicant will be experienced in the use and maintenance of modern machinery, including a computerised irrigation system, and will be expected to organise and carry out work programmes and maintain the course to its already high standard.

Salary is negotiable and a detached house on the course is available.

Replies with full CVs to:

The Secretary, The Worcestershire Golf Club,
Wood Farm, Malvern Wells, Worcs WR14 4PP
As winter draws in and growth slows down, so do green speeds. The need for speed has decimated many a fine sward, and will continue to do so whilst there is a pressure to create and recreate "professional tournament conditions" for amateur club events. It was with this potential dilemma in mind that I tentatively sought reassurance from my proprietor/chief executive prior to my appointment managing construction completion and grow-in at Heydon Grange in Hertfordshire that I would enjoy complete autonomy regarding agronomy, So, within the parameters of strict development costs and frugal operating budget, we set about bringing a 'links style' layout to fruition on the borders of Hertfordshire, Cambridgeshire and Essex, our 200 acres bordering all three counties.

We opened our first 18 holes on May 14 1994 following an accelerated grow-in; accelerated by the need to be open for business a.s.a.p. With the last seed hitting the ground in August '93, we faced the challenge of being show ready by April '94. By this time the cry had already rung out - What are the greens like? How fast are they?

We all know that speed kills. A construction project, a grow-in, a 3-litre Turbo XXX3Ri can all be driven too fast; and most of us are aware of the danger.

I'd previously worked in France for two years on Golf Euro-Disney, a project driven at breakneck speed with a 12-month grow-in on Penncross greens cut to 4.5mm. But business is business and if I could grow-in creeping bent within 12 months then why not any other grass was a recurring question. This other grass was 80% fescue, 20% browntop bent, approximately, give or take 20% Poa annua here and there.

A turf supplier had been 'selected' who would guarantee Fescue-free turf, which was presumably why there was no extra charge for the meadow grass content therein.... However, as time was against us and the need to achieve deadlines fast approaching - speed being of essence etc - we set about the 'Poa issue' with much vigour, no little frenzy and several pluggers, daisy grabbers, cutlery forks and sharp knives!

By the time we opened this 'fescue rescue' was deemed 95% successful - we're still working on the other 5% - and our first guests and members were, and have continued to be, extremely happy with our efforts and results.

But, you know, opening with fescue is one thing, keeping it is quite another - especially inland.

Which brings me back to speed. Our opening mowing schedule on greens was 4-5 cuts per week at 7mm with no complaints - players being of a forgiving nature in the immediate post-opening honeymoon period. We came down to 6mm in June, 5-7 cuts per week, with our best stimpmeter reading being 9, achieved on days of double cutting for specific events.

By November we had returned to a more leisurely 7mm cutting regime. Next spring we will follow the same procedure, ultimately reaching an all-time low of 5mm. Sward density, vigour and strong root development will be the key factors in determining when and if we lower the blades.

We aim to maintain this regime for the future by ensuring the practice is written into our operating procedures and course maintenance philosophy.

However, I am not naive enough to believe that we will never be faced with the demand for tournament green speeds. As our popularity and roundage grows, prestige events will undoubtedly be held and we shall be delighted to host them - on our terms and at our pace. But because we know speed kills we are in no rush!

The height of success? About 6mm I reckon.
THE PROFESSIONALS’ NUMBER ONE CHOICE

The masterful T93 gives a superb cut with complete reliability and ease of operation. Three supreme quality cylinder heads with simple, precision height of cut adjustment, mow down to \( \frac{3}{32} \)" (2.4mm) across a width of 61\(\frac{1}{2}\)" (156cm).

The T93 with its 16 hp Kubota diesel is fully hydrostatic. Many parts are interchangeable and servicing and daily maintenance are simple. Features such as the adjustable seat and steering column ensure operator comfort.
You can change its appearance, but you can't improve its shape.

The World's Leading Concentrated Wetting and Penetrating Agent

turfex®

for more information, please contact your local distributor or Amenity Technology on (0734) 510033

See us on Stand C55 at BTME '95