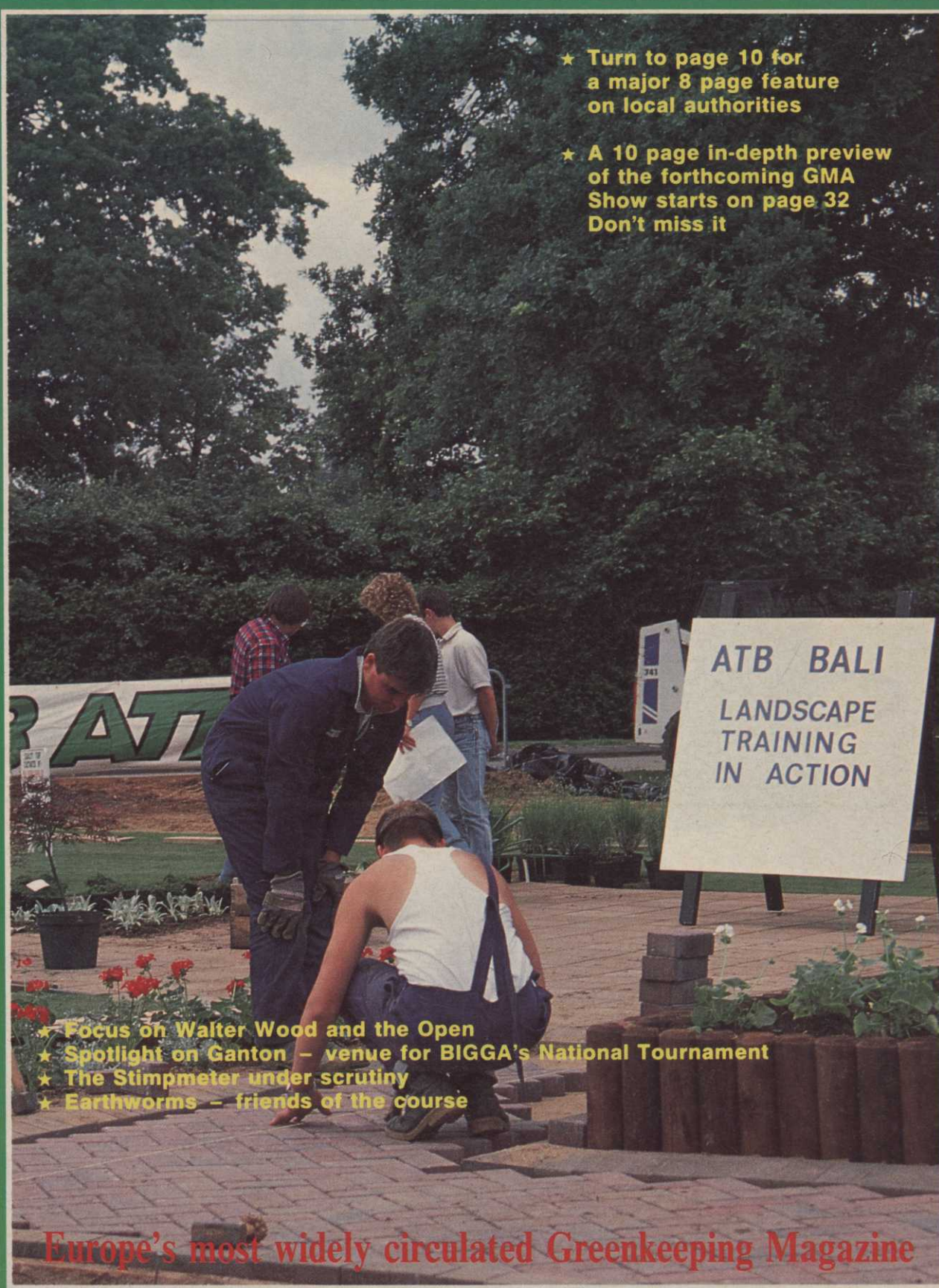


GREENKEEPING

M A N A G E M E N T



★ Turn to page 10 for a major 8 page feature on local authorities

★ A 10 page in-depth preview of the forthcoming GMA Show starts on page 32 Don't miss it

- ★ Focus on Walter Wood and the Open
- ★ Spotlight on Ganton – venue for BIGGA's National Tournament
- ★ The Stimpmeter under scrutiny
- ★ Earthworms – friends of the course

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• AN EXHIBITION & SEMINAR •

FOR THE DESIGN, FINANCING, CONSTRUCTION, MAINTENANCE AND DEVELOPMENT OF UNITED KINGDOM AND EUROPEAN GOLF COURSES AND FACILITIES.

SANDOWN PARK, ESHER, SURREY. NOVEMBER 20, 21 AND 22, 1990.

SEMINAR PROGRAMME

VENUE: Royal Garden Hotel, London **DATE:** Monday 19th November

MAIN TOPICS:

- *THE DEMAND FOR GOLF (Main findings of the R & A Report)
- *DEVELOPMENT OPTIONS (to outline all the various types of golf provisions which are possible)
- *THE AVAILABILITY OF LAND
- *PRINCIPLES OF GOLF COURSE ARCHITECTURE
- *GOLF COURSE DESIGN AND THE ENVIRONMENT
- *PRINCIPLES OF GOLF COURSE CONSTRUCTION
- *SOURCES OF FINANCE
- *GOLF AND ASSOCIATED PROPERTY DEVELOPMENT
- *GOLF AND TOURISM
- *MEMBERSHIP PROGRAMMES AND ADMINISTRATION
- *PLANNING PERMISSION
- *PROJECT MANAGEMENT
- *THE GOLF COURSE - A MARKETABLE ASSET
- *A CASE STUDY

The Seminar has been designed to appeal to those in the Financial Community. Directors of public companies and their advisors, large landowners, representatives from Government. Local Government agencies and those involved generally with Golf Course Development.

WORKSHOP PROGRAMME

Golf Course Management

VENUE: Sandown Park Exhibition Centre

DATE: Tuesday 20th November, 1990

MAIN TOPICS:

- *CATERING FOR THE INCREASE IN PLAYERS ON EXISTING COURSES
- *GOLF COURSE REMODELLING AND EXTENSION
- *GREENKEEPING IN THE 90'S
- *MODERN DEVELOPMENTS IN IRRIGATION
- *MODERN PUTTING GREEN CONSTRUCTION
- *TURF MAINTENANCE MACHINERY - THE LATEST DEVELOPMENTS

Golf Club Management

VENUE: Sandown Park Exhibition Centre

DATE: Wednesday 21st November, 1990

MAIN TOPICS:

- *NEW CHALLENGES FOR GOLF CLUB MANAGEMENT
- *CLUB HOUSE DESIGN FOR THE 21st CENTURY
- *MANAGEMENT ORGANISATION STRUCTURES
- *THE CHANGING ROLE OF THE CLUB PROFESSIONAL
- *GOLF CARTS - A MENACE OR A MONEY SPINNER?
- *FINANCIAL PLANNING FOR FUTURE DEVELOPMENTS

The Workshop has been designed to appeal to those actively involved or seriously considering becoming involved with the management of golf facilities. The subjects will be dealt with in some detail assuming the audience will wish to acquire special knowledge of these matters.

**For further information contact: Exhibition: INTER-GOLF EUROPE LTD 0903 883381
Seminar: BSAIF Tel: 081 681 1242**

THE BIGGA TURF MANAGEMENT EXHIBITION

23rd - 25th January 1991, Harrogate, North Yorkshire

PRE-REGISTRATION

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I will be attending and wish to receive details of:

(a) The Exhibition

(b) The Seminar Programme commences 21st January

(c) Both
EXHIBITION

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(d)

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*Prize winners will be announced and prizes must be collected during the Exhibition.

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Get on course to manage better!

Following the success of the 1989 management courses held at BIGGA Headquarters, Aldwark Manor, the courses are to be repeated this coming autumn/winter.

Weeks 1, 2 and 3 will be very similar to last year with slight modifications. Last year's delegates wishing to return to BIGGA headquarters will have the opportunity in week 4 with a specially designed week to follow on from their first course. Priority will be given to delegates who attended the 1989 series to attend this week.

Full Board accommodation, based on two persons sharing room will be £173.75 plus VAT - £200.00 Total. Please make all cheques payable to BIGGA.

Eight Master Greenkeeper Credits will be issued per week.

Please indicate week number preferred:

WEEK 1 22-26 OCTOBER-INCLUSIVE WEEK 2 29 OCTOBER- 2 NOVEMBER INCLUSIVE

WEEK 3 5-9 NOVEMBER INCLUSIVE WEEK 4 12-16 NOVEMBER INCLUSIVE

Please register.....person(s) for the management courses.

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Address.....

Signature.....

I understand that the cost is based on two persons sharing.

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Aldwark Manor, Aldwark, Alne, York, North Yorkshire, YO6 2NF.

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Our front cover picture, taken at the recent BALI Show in Stoneleigh, reflects the growing demand in golf for improved landscape management. Turn to page 31 for an in depth report on the show.



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Manor, Aldwark, Aine, York YO6 2NF. Tel:
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In my view . . .



WITH
EDITOR
MIKE McCLENNAN

THIS month I turn my attention to what I see as fast developing into a chronic problem for golf in this country, namely the gradual but growing "skill drain" of our best greenkeepers to the continent.

If this drain is allowed to continue the quality of maintenance on our golf courses will be gradually eroded, thus inviting the fury of players over the whole skill range.

The reasons for this movement abroad are simple.

Too many clubs are living in the past when it comes to their treatment of and appreciation for the greenkeepers skills, and the role he needs to play in the management of the club.

Far too many clubs see their greens staff as merely paid hirelings who should unthinkingly do their bidding whether they agree with it or not.

Bearing in mind that many clubs do not have the necessary qualifications on which to base a sound judgement on course management one can see why there has been a growing mood of resentment among greenkeepers over the past ten years.

Many of our younger head greenkeepers are now well qualified men both in practice and on paper. It is they who should be managing the course in a senior role within the club. They should also be paid accordingly. This is recognised on the continent, and that is why so many greenkeepers are prepared to go abroad to achieve both the pay and status they feel they so rightly deserve.

Let us hope that more and more golf clubs throughout the length and breadth of this country wake up to the need to welcome their greenkeepers on board as senior club managers.

For without this enlightenment the quality of golf courses will be eroded and confidence within the industry ultimately destroyed.

B.I.G.G.A. TURF MANAGEMENT EXHIBITION AND SEMINAR PROGRAMME HARROGATE, 23RD - 25TH JANUARY, 1991

Confirmed Exhibitors include:

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Britag Industries	Mayfive Ltd
British Seed Houses	Mowing Machine Maintenance
J.I. Case Europe Ltd	H. Pattison & Co. Ltd
CDC Horticultural Equipment Ltd	Colin Price Terralift
Cleveland Sitesafe	Prime Watermen
Cooper-Clarke	Progressive Electronics (U.S.A.)
Euroturfcare	Ransomes
Farmura Ltd	Rolawn
Ford New Holland	Sierra U.K. Ltd
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For Exhibition details and brochure please contact:

**Debbie J. Savage, BIGGA,
Aldwark Manor, Aldwark, Alne, York, North Yorkshire, YO6 2NF.
Tel: 03473-581/582. Fax: 03473 8864**

Exhibition and Seminar Schedule

Mon 21 & Tues 23: All Day Seminars and Workshop Sessions.
Wed. 23, Thurs 24, and Fri 25: Exhibition and General Seminars.

HEAD OFFICE

USA AND EUROPEAN COMPANIES TO EXHIBIT AT HARROGATE

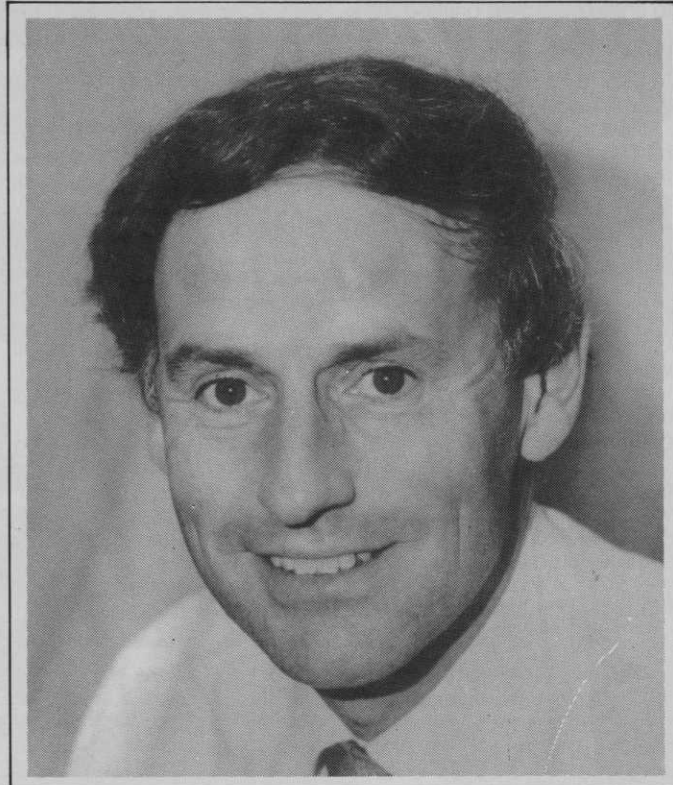
BIGGA are delighted with the number of American and European companies interested in exhibiting at next January's Exhibition and already firm bookings have been received from both the USA and Europe. Reviewing progress to date BIGGA's Executive Director, Neil Thomas commented: "It became clear during the GCSAA Exhibition in Florida last February that a large number of American companies are now interested in expanding into the European market and this is reflected in the interest being shown in exhibiting at Harrogate. The exhibition already has a European identity and a steady growth of interest on the part of European companies is anticipated."

Looking ahead to improvements in quality which exhibitors can anticipate for 1991. Neil Thomas commented: "We have recently visited Harrogate to view another exhibition set up by our own exhibition contractor. As a result there will be a number of innovations at the 1991 event. Three halls will be used instead of the previous two and a revised layout as well as improved circulation of delegates attending the seminar programme should meet with the approval of exhibitors."

New catering arrangements will include enhanced and attractive seating areas.

The Moat House International Hotel has been designated as the BIGGA Exhibition and Conference Hotel and favourable rates have been negotiated for exhibiting companies. This hotel will be the focal point for the pre-exhibition seminars and the social programme as well as a meeting place for both exhibitors and delegates. I would hope that companies will make the hotel their base. The Steering Committee representative of Exhibiting Companies has adopted a positive approach and this augurs well for 1991 and future years."

For companies working within the fine turf industries, the Harrogate Exhibition is clearly their 'own' exhibition and next year's event is looked forward to with much anticipation. Companies requiring details of rates at the Moat House International Hotel should contact Debbie Savage at BIGGA Headquarters - 03473-581/2.



BIGGA Executive Director Neil Thomas.

NATIONAL TOURNAMENT 1990 GANTON GOLF CLUB 6 - 8 AUGUST

Format: 3 x 18 Holes Medal Play.

Handicap Categories: Scratch - 14 Handicap - Senior Division, 15 Handicap - 28 Handicap - Junior Division.

Monday 6 August 18 Holes Medal, 1st Nett THE 'FISONS BOWL', NB: No Handicap Categories.

Tuesday 7 August 18 Holes Metal, 1st Nett THE 'MAXWELL HART TROPHY', NB: No Handicap Categories.

On completion of the round competitors will play for the 'VITAX PUTTING CUP'.

Wednesday 8 August 18 Holes Medal, 1st Nett the 'SISIS TROPHY'.

NB: For the 54 Hole prizes, Handicap categories apply.

54 Hole Prizes Senior Division 1st Nett THE 'RANSOMES CUP'. Junior Division 1st Nett THE 'PATTISSON TROPHY'. Best Gross THE 'TORO TROPHY'. Jubilee Trophy, Regional Team Prize.

NB: There will be prizes for 2nd and 3rd places in all competitions provided by the Association. The first eight players in the Nett over 54 holes to represent the Association at the Kubota Challenge. Venue - The Belfry - 17 and 18 October, 1990.

- All competitors note that there are three separate competitions - (one per day) plus the overall 54 hole competition. All competitors must provide a handicap certificate.
- Team of three to be drawn on the Monday morning prior to the commencement of play. Three per region. All nett scores to count.

The seven sponsors of the tournament are: Fisons, Maxwell Hart, Vitax, SISIS, Ransomes, Pattissons and Toro. BIGGA wishes to thank them for their continued support to this prestigious event.

BIGGA also thanks the PGA European Tour for the kind use of a scoreboard.

All 24 of the trophies which were played for during the BGGGA days will be on display at the banquet to be held on the Tuesday evening, 7th August at the Royal Hotel, Scarborough (tickets available from Headquarters). Some of the trophies date back to the formation of the Golf Greenkeepers Association in 1912. For those members who have not seen this superb display of trophies this evening should not be missed.

Any member still wishing to enter the BIGGA National Tournament should ring headquarters NOW!

Two interesting trips for the

leaders have also been arranged. They are:

Monday 6 August 1990 - Yorkshire Dales. Pick-up point at the Southlands Hotel, West Street, Scarborough at 10am, to include a trip to Pickering (for the Open Air Market), a tour of the Yorkshire Dales and spending some time in Whitby. Luncheon to be taken at the Goathlands Hotel at 1pm. To arrive back at the Southlands Hotel for 4.30pm.

Tuesday 7 August 1990: Tour of York. Pick-up point to be Southlands Hotel, West Street, Scarborough at 10am, to include free time for shopping in the morning and lunch in York (ladies to choose themselves). In the afternoon, a trip around the Castle Howard. To arrive back at the Southlands Hotel for 4.30pm.

THE TEAM'S GETTING BIGGA!

AS YOU know by now, Howard Evans provides the BIGGA PERSONAL PENSION PLAN which is available to all Association members. The demands on Howard's time in the last year, however, have been enormous and so he has recently recruited three people to assist him in the job of advising Greenkeepers on Personal Pension Planning.

The team has a distinct Welsh flavour to it, and whilst all three men are prepared to talk to length about pensions, the subject of the current state of Welsh rugby, is not one which is entered into with great enthusiasm for the time being. But just wait until next season...

Mark Titley has represented Wales over 15 times, and plays for the Swansea Club. Also a Swansea player, and just returned from a successful tour of Namibia with the Welsh Team, is Stuart Parfitt. Mark Lewis has played for the Welsh Youth, and as well as playing for Swansea he plays for the top West Wales league side, Tumble.

All three pension advisors are available to Greenkeepers from all over the UK at any time, and can be contacted via Aldwark Manor on 03473 581/2. Where necessary they will call on Greenkeepers or golf clubs to personally discuss their own particular situation.

So, good luck to Howard and his new men. And don't forget, good pensions advice from experienced people, is only a phone call away!

LETTERS

Dear Editor,

I am writing to you as a mother of two greenkeeper sons, and thought it would be interesting for you to hear a woman's point of view on what I have learnt over many years of listening to and being very interested in the young greenkeeper in England.

My two sons have been greenkeeping since leaving school one being 27 years and the other 29 years old. The eldest being at the same private club is on what I call a pittance of a wage.

He knows all aspects of greenkeeping having been to college for two years, and is reliable, efficient and trustworthy, conscientious and takes pride in the golf course, but for "a poor wage packet"!

Couldn't something be done

to enforce clubs to pay the correct wage, a livable wage to these young men. I honestly feel sorry for all young English greenkeepers.

Now to my second son who had worked at his private club for eight years and on the same low wages.

Enough was enough for him, he was wanting to get married which was quite impossible on his low wage, so he applied for a job in West Germany as an Assistant and was successful.

As soon as he arrived at the club, the German people couldn't do enough for him.

They respected, praised him and his wages are treble to what he got here.

He worked hard, so much so that after two and a half years he is now the Course Manager. He has his ups and

downs like everyone else in his position but he expects that for the good wages he is earning, and let's face it, that is why he left England.

He has many English greenkeeper friends out there and not one would come back home. But can you tell me why should our good young English greenkeepers (and they are who matter) have to go abroad to earn a proper wage.

From what I hear there will be more working abroad than here if the wages in England are not revised.

Having one of my sons living abroad is heartbreaking for me, but there is no comparisons in the two greenkeeping countries and I know my son prefers the respect and equality in Germany.

They certainly know a good

thing when they see it and take the chance. I could write a book about it all, but feel better for writing this letter to you.

So let's keep English Greenkeeping in England and give the young ones a fair deal with wages, they earn every penny they get.

Kindest regards,
S. GOLDTHORPE

Editor's note: Thank you for that marvellous letter Mrs Goldthorpe. You merely echo my views on the subject of low wages and the skill drain to the Continent they are causing.

I wonder how much longer it will be allowed to continue before clubs open their eyes to the economic necessity of paying a fair day's wage to our skilled greenkeeping staff.

Rest assured Greenkeeping Management will be hammering this message home until wage levels rise. The alternative is too worrying to contemplate.

Dear Sir,

THESE have been many comments made in recent years about the decline of golf greens, and the lack of quality head greenkeepers in this country.

Most of these remarks have come from people involved in golf at a high level be it R & A officials, tournament pros, golf writers, and above all many well known agronomists. In this letter I would like to put the viewpoint of one modern course manager and state the two main reasons why, in my opinion, our profession is the recipient of such adverse comments.

Firstly, I would like to say that golf clubs in this country place huge budget restrictions on the course maintenance side of their affairs. This means many important tasks cannot get done because the money is not available.

The wages are so poor that all our good greenkeepers are moving abroad, where their skills are amply rewarded. What a sad indication of attitudes in this country towards greenkeeping.

If many course managers in this country were given reasonable maintenance budgets and sound levels of capital investment they would be able to give members higher standards of course presentation. If golf clubs fail to invest money in their courses then they should expect to see a decline in their conditions.

I feel the second and most important reason that many adverse comments are being made is our own obsession with ridding our urban parkland courses of Poa Annua.

Greenkeepers today are being trained into producing Fescue-bent turf, and quite

rightly so. However, I believe that the ecology of each individual golf course dictates what will grow there and what will die. In many situations around the country, greenkeepers have been trying to rid their courses of Poa Annua in the belief they are doing the right thing.

This has had disastrous effects on playing surfaces at many courses as traditional links type management policies are being adopted to parkland urban courses where Poa Annua is the native grass. Over recent years greenkeepers have started to believe that if they have Poa Annua greens they are no good at their job, that is rubbish.

In my opinion we have become obsessed with grass species instead of managing putting surfaces. We have been misinformed by certain agronomists that "one type management policies" can be applied to every soil type.

I myself am a keen believer in traditional methods of greenkeeping but in many situations they just don't work. There is no shame in having Poa Annua greens, today's course manager should not expect his members to putt on bare earth as he carries out links type management on Poa Annua on a parkland course.

Yours faithfully
Terry Huntley
Course Manager
Ashford Manor G.C.

● Got something to say? Write to the editor with your views on any subject relevant to greenkeeping and we will be glad to publish them.

Dear Sir,

I am currently employed at the Royal Pahang Golf Club in the Malaysian state of Pahang as a greenkeeper for the last 2½ years. I am also a holder of the GCSAA class B certificate and also furthering my continued education units in golf course management.

My other experience also include the following whilst I was a trainee at Royal Kedah Golf Club with an American firm. Below are the duties entrusted to me:

- Formation of new greens/surrounds/tees and bunkers.
- Installation of sprinklers system (Rotary pop up).
- Maintenance of golf course.
- Labour co-ordination on site.
- Hydroseeding and sod planting.
- Equipment purchase and recommendation and
- Installation of sub-soil drainage.

It is my sincere deep intention to participate in a work and study programme with a distinguished club for a year and hereby extend my humble request and application for your kind consideration.

I am also prepared to avail myself at your distinguished club for any interview at your convenience.

Thanking you in advance for your highest consideration and in the meanwhile I remain your humble servant.

Yours sincerely,
Palani Manickam
Royal Pahang Golf Club
Golf Road 25700
Pahang Darul Makmur
West Malaysia

Dear Sir,

THANK you for your letter of April 2 and I apologise for the delay in acknowledging.

We are a relatively small "village club" - 9 holes, 150 gents members, 65 ladies members, and 45 juniors.

We have one Greenkeeper who has been with us for almost 16 years, who is very hard working and does a good job.

A few of us give periodical "small jobs" to help out. Our Greenkeeper has no formal qualifications - but practical experience, and is good on maintenance of our limited equipment.

We hope to start an appren-

tice next year with a view to also attending Elmwood College, Cupar, Fife on possibly block release, or as can be arranged.

Could you please advise me of the following:

i Qualifications/conditions for Membership of your respective grades.

ii Subscription/Fees for respective grades. Any other information required or available on these points.

Yours sincerely
S.H. Davidson
Greens Convenor
Killin Golf Club

● Editor's note: Thank you for your letter Mr Davidson. The necessary information is on its way to you.

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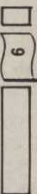


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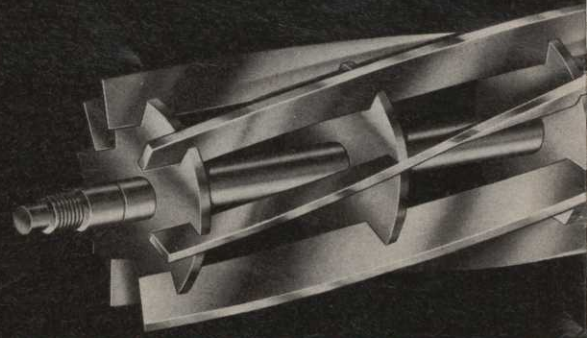
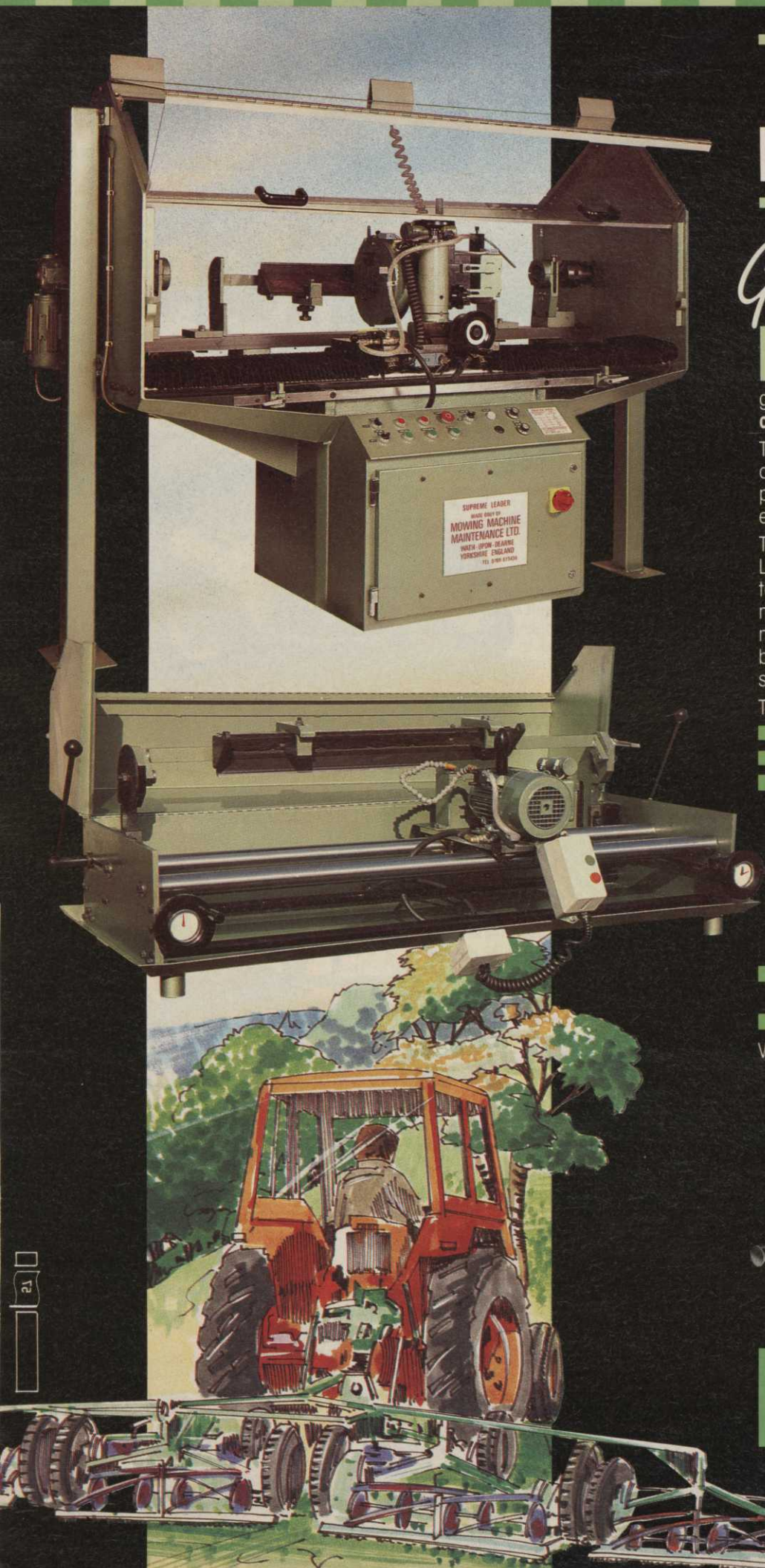
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21

What price municipal green fee golf?

MANY of us are fully aware of the Government's intentions regarding compulsory competitive tendering for golf courses, but a lot of the public course clubs do not realise they have to protect themselves and their members.

This they can do by insisting with their local authority that they have the right to see and to read the specification that has been drawn up by the local authority, who have to list "how things are to be done and when they are done" the club's must use their right to insist that their rights are protected by ensuring the local authority put into their spec's i.e. clubs booking arrangements, captains days, charity days and any tee times that have been allocated to them, failure to see that the points mentioned are in spec could mean that whoever has



Panshanger Golf Club - winning the fight to be competitive.

"We are trying to get a message over before we witness the downfall of municipal clubs as we know them."

the right to take over the course does not have to honour any of these arrangements as they will only work to the spec; laid down at the time of the tender, whereas if the club get these included they have some protection.

In this feature Greenkeeping Management is attempting to get this message over before we have to witness the downfall of municipal clubs as we know them.

Demands are already being made on the clubs that have failed to find out these facts and are now tied down with red tape. The National Association of Public Golf Courses is at the the forefront of the fight and it is with their help that Greenkeeping Management is presenting this feature.

Mike McClennan
Editor

WITH the explosion of interest in golf in this country in the past five years – due mainly to the media exposure and success by British players in international events such as the Ryder Cup and American Masters – one has to question what the future is for municipal golf courses.

I have to say the future of municipal golf looks fairly bleak, as the new capital and financial controls on local government spending will make it extremely difficult for authorities to finance new leisure projects, in particular municipal golf courses, in the future.

In addition recent legislation introduced by the government, such as compulsory competitive tendering, and even the effects of the poll tax, will have, I believe, a detrimental effect on courses in this country.

It is already widely recognised that we require up to 700 new courses in this country by the year 2000, to cope with the present demand from new players, and one only has to go to your local municipal course at any time of day to see what demand there is.

At Panshanger Golf Complex, which is run by Welwyn Hatfield Council, we get players leaving the public house, which is situated in the middle of the Golf Course, at 11.00 p.m. on a Saturday night and waiting in their cars until the shop opens at 6.00 a.m. the following day, to try and secure a round for that day.

This surely cannot be tolerated as in any other sport it would be unthinkable.

Some Municipals, especially in the South, are reporting over 70,000 rounds per year which by any Greenkeepers standard is 20,000 rounds too many, as the wear and tear on the course becomes very difficult to control.

In fact the STRI recommend that 45,000 rounds per year is the most economical level to maintain a Golf Course. However, in saying this there is a need to improve a lot of the existing Municipal Courses in this country, and to bring them up to the standards that the public expect as media exposure is showing courses at the highest quality, and the golfer expects this to be the standard on his own course.

Having travelled round the country and visited many

Municipal Courses there is a considerable variance in standard, and it is apparent to me that some Local Authorities do not see the benefit, whether it be financial or prestige, in providing a Course of the highest quality. We at Welwyn Hatfield believe in providing quality and the investment in Panshanger has paid off, with many members of the public unaware that it is a Local Government provision.

At Panshanger, which is situated in the green belt on 110 acres we provide a thriving 18 hole Golf Course, Public House, Function Suite, 3 Glass Backed Squash Courts, Pro Shop and other associated areas, and I would suggest to many people that our model is one that can easily be developed should the Local Authority be prepared to invest. The Course, and all the associated facilities, now cover its costs including all its debt charges, and still is able to make a contribution back into the Rates or what is now called the Poll Tax Fund.

I believe that Local Authorities should have the courage to invest more into

Continued on page 13

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Continued from page 11

their courses, for if they do not then the Private Sector will take these over in due course with the result of Compulsory Competitive Tendering.

At the moment under the new legislation it is compulsory for all Local Authorities to expose leisure management, bars and catering and grounds maintenance to tender, and the dangers here are the

Private Sector will possibly take control of the grounds maintenance of some courses. I hear some Authorities saying that they welcome this but, as we all know, the maintenance of a Golf Course is not only a job but a hobby as well to dedicated Greenkeepers, and when Golf Course maintenance becomes a commercial issue then there is the danger that the specification

could suffer and investments which have been made in the Course over the past years could go overnight.

Having said this, there are a lot of Municipal Courses which will benefit from CCT especially those where maintenance in the past has been sadly lacking and it is these courses, I believe, that the Private Sector will be trying to win.

Having given my broad

views on the future of Municipal Golf, and to the future, I would welcome any comments from readers as to their views as I have only touched on some of the nerve ends which need debating and would welcome greater debate through this magazine.

PETER KIRKHAM
Assistant Director of
Recreation, Welwyn
Hatfield Council

THERE are three areas of legislation which may affect Municipal Golf Clubs. Managing sports and leisure activities, grounds maintenance and catering.

The local authority has discretion over letting these functions as a separate contract or including them all in the sports and leisure contract.

Some authorities will consider letting the management of golf courses (including any combination of the three functions) as a separate contract or including it in a much larger contract covering other activities e.g. sports centres, swimming pools etc.

Different authorities will take different approaches.

The Contract Process

Local authorities may only carry out work contained within the Act if the following conditions have been met.

(a) The authority must publish a notice, before carrying out any of the work contained within the Act, in at least one local newspaper and one trade journal containing a brief description of the work, details for inspecting or purchasing the specification and a statement that the authority intends to make an invitation to carry out the work.

(b) The periods, place, time and charge specified in the notice are reasonable and the authority has made a detailed specification of work available before carrying the work and that the specification includes a statement of the contract period.

(c) There must be at least three bids invited from the private sector if sufficient interest is shown.

(d) If the local authority wishes to carry out the work itself, a written tender must also be submitted.

(e) The authority must not act in a manner which is anti-competitive.

(f) In carrying out the work, the authority must comply with the specification of work it has produced.

Legislation areas to be watched

The Specification

The specification is a very detailed document giving information and setting standards on every aspect of the service provided. If the specification is perfect and the contractor adheres to it, the customer using the service should not be able to detect any difference in the service, whoever is carrying out the work.

The specification for managing sports and leisure facilities might cover the following areas:

Description of area, description of service, changes in policy, improvements/expansion of the service, pricing, monitoring of performance, financial records, management information, sponsorship, purchasing, stationery, management, staffing levels, staffing qualifications/validity and experience, standards of dress/uniform, training, opening hours, programming, booking system, marketing, advertising, security, upkeep of facilities.

Action for Clubs

This note is not necessarily exhaustive, but is intended to act as a reminder, or checklist, of issues which clubs based on municipal golf courses should discuss with their local authority. Remember, if anything is not included in the specification, the person or company who wins the contract is under no obligation to provide it.

Because of the financial objectives which have to be met, anything outside of the specification will be the subject of a variation order which could be expensive

(a) Seek an early meeting with officers of your council's Leisure Services or Recreation Department to discuss the club's position in relation to competitive tendering and, in particular, the specification.

(b) Find out how the local authority intends to package the contracts and what the timescale for going out to tender will be.

(c) It is likely that the local authority will be taking the opportunity to review its policy and operation. Find out if this is the case, what is under review, how it will affect the club and how you can help in that process.

(d) Is the local authority view on charging likely to remain the same? What about season tickets? Any price concessions for club members? What about other charges - lockers, hire of equipment etc? Are juniors protected?

(e) Has the club any arrangement to book the first tee for competitions? If so, are the arrangements included in the specification? Is there a difference between regular arrangements (e.g. twice a month for competitions) and special occasions (e.g. Cap-

tain's Day)? Are they also protected?

(f) What are the booking arrangements? Will they remain the same? How much notice will be given for regular bookings and special occasions?

(g) Is there a formal route for consultation between the club and the local authority. If not, use this opportunity to establish one. Don't appear to be in the position of always asking for something. Your expertise may help the local authority in preparing a specification or monitoring the contractor's performance.

(h) Are there rules about priority on the first tee? More than one starting point? Competitions having priority etc? Often these rules are not written down, but in future they may need to be.

(i) What arrangements does the club have for visiting players or teams in competitions (concessions, priority bookings etc.)? Make sure that they are protected in the specification.

(j) Have NAPGC competitions been considered? If there are existing arrangements, are they included in the specification? What about future possibilities - hosting the NAPGC Open?

(k) Does the club have any arrangements for catering (for visiting teams, for example)? Are the arrangements protected?

(l) Does the club have any arrangement for use of any part of the clubhouse either permanently or for special occasions? Office space, storage space or use for social events are examples. Make sure that your use is protected in the specification.

In this article we examine the myriad of ways in which Government legislation could affect the running of municipal golf courses. Thanks for the information goes to the National Association of Public Golf Courses.

Continued on page 15

AN UNBEATABLE PEDIGREE

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

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

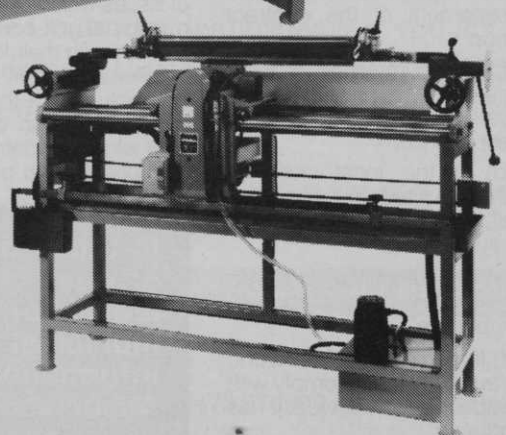
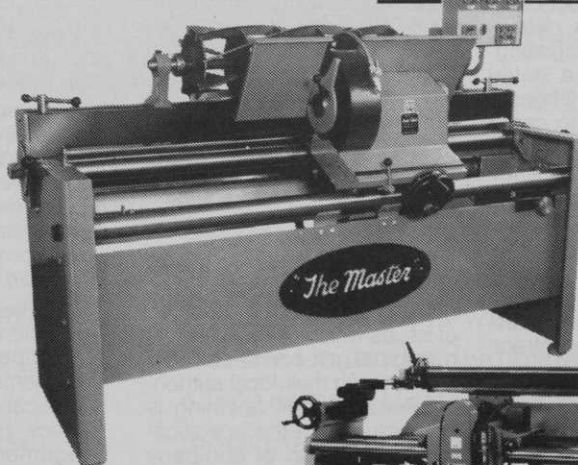
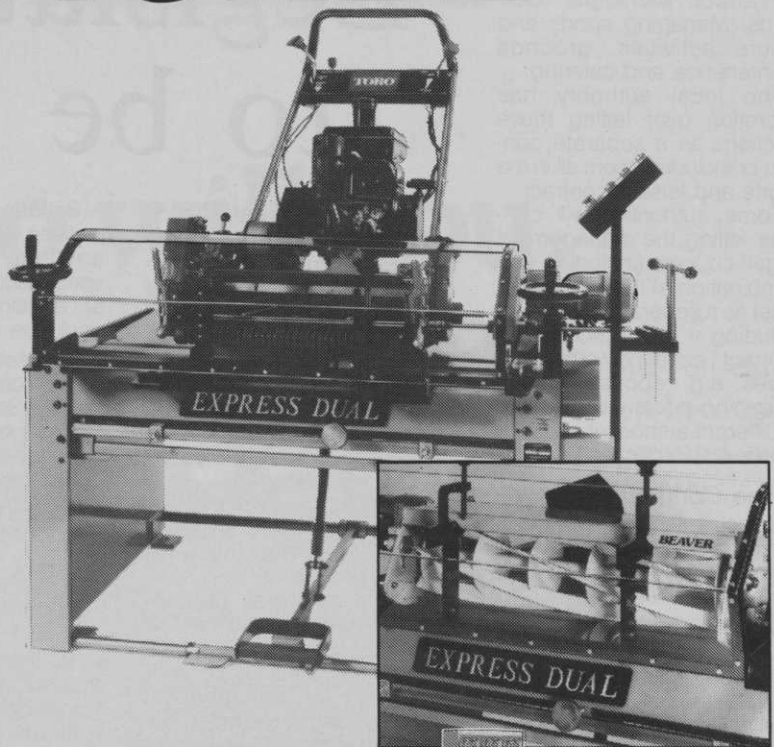
In fact, in our work shops at the moment we have Express Duals ready to go to America – the Atterton is well proven on the other side of the Atlantic too!

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

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

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

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



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FOCUS ON LOCAL AUTHORITIES

Continued from page 13

(m) Does the club have any notice-boards, trophy cabinets, honours boards, displays of photographs etc? Is the right to continue them protected?

(n) Is there any relationship between the club and the Professional? Find out whether the Professional's terms are to be altered and how they will be considered under a contract. Will the Professional be contracted to the council outside the management contract or will it be left to the discretion of the Contractor?

(o) Are the proposed course opening hours any different? Who will decide whether the course is fit for play?

(p) Does the club have the right to have fund-raising events (prize draws etc)? Is that right protected?

(q) Do the council's staff at the Golf club carry out any administrative functions for the club? Can they be detailed and included in the specification?

(r) What are the insurance responsibilities of the club and the council? Will they be affected?

(s) What are the council's rules about sponsorship and will they be written into the specification? How does this affect sponsorship for club competitions?

(t) Finally, has the club considered submitting a tender? Discuss the possibility with the local authority.

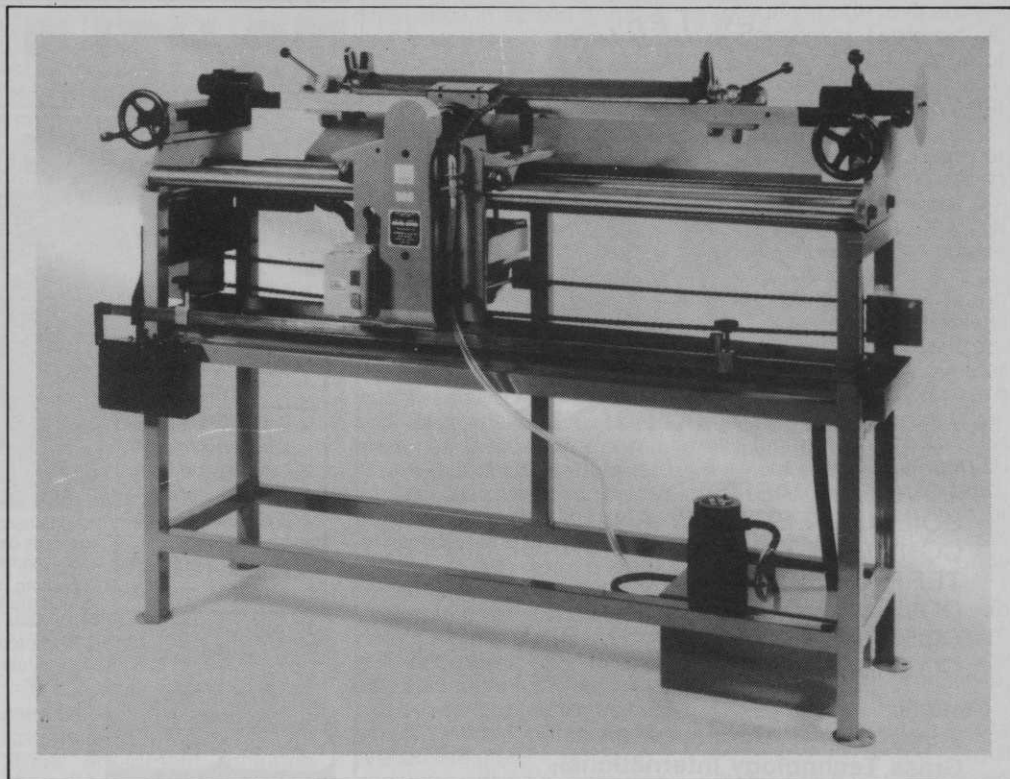
There are bound to be other issues to be considered because every arrangement is different at the moment. Perhaps you could use these notes as a basis for a brainstorming session at your own club Committee meeting and other ideas may crop up.

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THE U.K. manufactured Hauler AT500 is an economical load carrying all terrain vehicle that is easy to manoeuvre in tight spaces.

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Both 18 horsepower petrol and 15 horsepower diesel engined versions are available. The range of options include a cab, full lighting kit, and hydraulic tipping. Mesh cages suitable for transporting stock or leaf and litter collection can also be supplied.



The Atterton Anglemaster

ATTERTON & Ellis offers a range of machines to sharpen all sizes of cylinders and bottom blades.

The "Master" cylinder grinding machine is designed for sharpening large quantities of heavy duty cylinders and is suitable for machines having up to 106cm (42in) cutting width.

The company's "Express Dual" cylinder grinding machine is capable of both "in-situ" or plain cylinder grinding on a wide range of lawnmowers. When used "in-situ", the complete mower is located centrally on the machine and locked into place, the grinding cycle taking place without the usual 'strip-down' of the mower. Separate cylinder grinding may also be undertaken when the busy periods are over and the mower requires a 'full' service. Bottom blades have to be removed for separate grinding.

A "Public Authority" version of the Express Dual is available featuring a heavy duty mains electric motor.

A "Professional" kit to enable "in-situ" sharpening of a wider range of cutting units is also available at extra cost.

The "Pilot" plain cylinder grinding machine is produced to meet the needs of the smaller workshop - say 5 to 10 medium sized mowers and incorporates the essential features of the other machines, but without the high capital outlay.

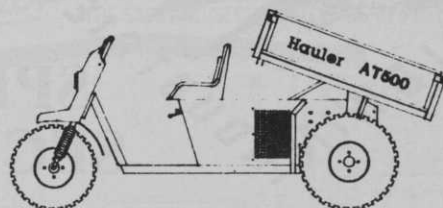
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Continued on page 17

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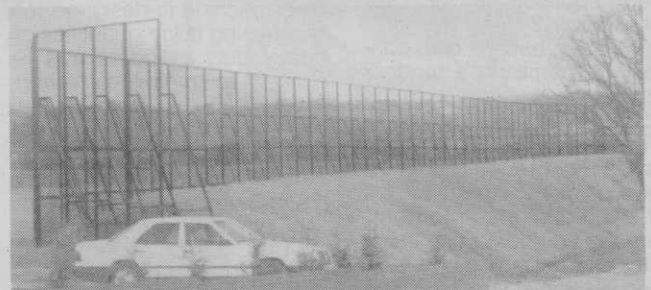
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FOCUS ON LOCAL AUTHORITIES

Continued from page 15

GRASS TECHNOLOGY INTERNATIONAL

GRASS TECHNOLOGY INTERNATIONAL of Stirling, Scotland and Roscommon, Ireland is a new Consulting Company founded to meet the agronomic demands for new Golf Course development and offer expert

advice in management of established courses throughout Britain, Ireland and Europe.

The Principals of GTI are John Souter and Eddie Connaughton and the combining last year of the former's 20 year experience in construction and drainage and the latter's 10 years greenkeeping

BALDWIN INDUSTRIES

HIGH BALLS, low balls, hooked shots, sliced shots, the grass covered with oversize buttercups and mushrooms.

These innocent one piece golf balls represent on the one hand a potential safety hazard and on the other an investment of nine to twelve thousand pounds.

Baldwin Industries with their specialist fencing contracting companies based in Birmingham, Manchester and Liverpool, have looked closely at the problem of golf ball containment on driving ranges and with the use of computer aided design, contracts at four purpose built sites have been completed in the last 18 months.

The ranges being Oxten Golf Club near Nottingham, Keele Golf Centre, Ashton under Lyne, Elstree Golf Centre, North London and Wavendon Golf Centre, Milton Keynes. Steel supports to 6 metres high clad with a combination of chainlink and high strength polyethylene mesh help to deflect the more powerful low shot and the weaker high shot.

The fencing must not only contain the golf balls but be able to stand in all weathers, which we have successfully proved, and be able to be easily repaired by the range staff should the netting become worn.

Baldwin Industries are examining and testing new cladding materials and support systems from the Continent which may be more economical and aesthetically pleasing to future range developers.

Security fencing and gates to machinery and chemical storage areas, timber screen fencing to gas tanks and bin areas, turnstiles for access, vehicle barriers, temporary fencing at tournaments are all part of the fencing requirements that can be provided by Baldwin Industries. A phone call to arrange a site survey and estimate is all it takes to experience a personal and knowledgeable service.

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MARSTON Agricultural Services (A.S. Trailers) have been producing trailers for the farming fraternity for over 40 years and, with the advent of the compact tractor, have designed a range of tipping trailers from 1.0 ton to 2.5 tonnes to meet this expanding market.

These trailers have an all steel body with rear opening tailgate and dropsides. Optional equipment includes mesh extension kits and wide/low pressure tyres, making them suitable for various applications in parks and gardens, golf courses or just general purpose use for transporting sand, gravel, soil or other materials.

They also produce a range of local authority trailers from 3½ ton GVW to 5 tonnes. These are high spec trailers specially designed to suit local authority applications with top/bottom opening tailgate, road lights, mudguards, sprung axle, hydraulic brakes, or on the 3½ GVW only, overrun braking system. For special local authority applications a three way tipping version of the 3½ GVW is available.

A specialist range of dump trailers from 5 tonnes to 12 tonnes is also manufactured, these have a heavy duty body suitable for handling gravel, stone and rubble. Their specification includes road lighting equipment and hydraulic cam brakes.

Various other specialist trailers have been designed to meet specific requirements from three way tipper to balanced trailers with turntable.

Thank you for reading this feature, watch out for further top quality features in next month's issue of Greenkeeping Management, Europe's top 'greenkeeping magazine'.

experience in Ireland and the USA coupled with a Bachelor of Science degree in Turf Management provided an excellent base to offer a complete service to the expanding and established golf market.

The services offered by GTI range from full site feasibility studies to determine if a site is suitable for a Golf Course development or simply a soil/sand analysis to determine quality and consistency. The company is very involved in offering advisory visits to established courses to update and refine management programmes to achieve desired course conditions. These on site services are backed up by a comprehensive laboratory for all soil/sand analysis.

The need for proper specifications in today's expanding market is never more apparent. With the demands on golf courses for year-round play and super-fast greens the need to built correctly the first time is essential. With our comprehensive drawing office and computer aided surveying and design it is possible to draw up exact specifications to architect's drawings which can then be quoted for on a fair basis.

The specifications, once used, are monitored during construction through to opening -

with materials approved all along the way. The client is, at all times, made aware of progress with regular site meetings taking place.

With the reputation of our company expanding in a short period of time we were approached by the architect in charge of the new golf course at Euro Disney in Paris.

The Ronald Fream Design Group realised the limitations of the clay site in Paris and approached GTI to carry out a full contour survey and prepare a drainage plan with specifications for the 150 acre site. This site will be monitored by GTI from start to finish and, thereafter the maintenance for the growing-in period with continual advisory visits once opened for play.

From this initial contact with Ronald Fream we now have designs on the boards in the London area, in Perthshire, Scotland and in Portugal.

The ability to carry out a site feasibility study, design the golf course, make-up construction and drainage specifications, supervise construction and advise on aftercare maintenance gives GTI the most comprehensive in-house service available to golf courses be they 'new or old'.

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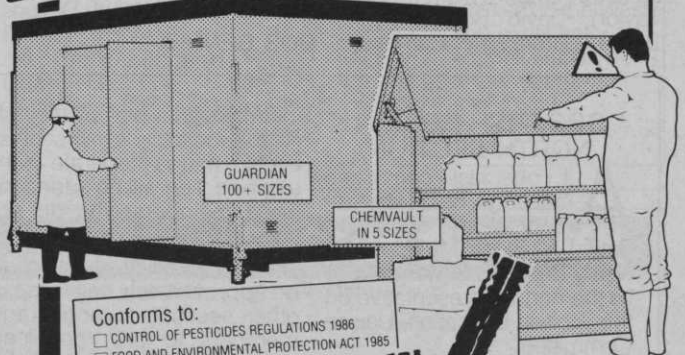
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AROUND THE GREEN

SOUTH COAST SECTION

I am indebted to Joe Burdett, our tournament organiser, for the following report of our spring tournament.

"Hayling Golf Club, by kind permission of the captain and committee, were the hosts for the annual spring championship tournament. The prize table was amply filled by our sponsors, Roffey Brothers Limited and Huxleys Garden Machinery Limited, for which all greenkeepers in the area are most appreciative.

John Flavell (Parkstone) could not quite hold on to the Nita Stimson Award for the 'over 50', and had to accept second place to a wonderful morning round from Charles Burke (Queens Park).

The morning round gross scores showed quite clearly that there was a potential winner by a massive margin of 5 shots, this was from Bob Walker (Queens Park), who scored a 71 to Phil Nason's (Southampton) 76. In the nett section, Mark Diment (Knighton Heath) returned a 67, a very creditable performance from his 18 handicap.

The afternoon showed that stamina was the real "master", and Nason was not going to let that 5 shot lead deter him - so he returned a 79 against Walkers' 87. With net 69s all over the place in the afternoon, Diment was really worrying about his 72, but there was no need - he clinched the Roffey Cup with two shots to spare.

The prizes were presented by representatives from Huxleys Garden Machinery Limited and from Roffey Brothers Limited. There were additional donations to the table from Mark Wilton (Rigby Taylor), David Rogers (Stabrite) and from Peter Hampton

(Golf & Sports Club Sundries).

Detailed results: Nita Stimson Award (over 50s); Charles Burke, Queens Park 85-13-72, John Flavell, Parkstone, 87-12-75, Gordon Payne, Maidenhead, 83-7-76.

Tregunna Trophy (36 Holes Gross); Phil Nason, Southampton, 76-79-155.

Rowes Rose Bowl: Mark Webb, Alresford, 80-88-157, Brian Forder, Southampton, 81-77-158, Bob Walker, Queens Park, 71-87-158.

The Roffey Cup (36 Holes Nett); Mark Diment, Knighton Heath, 67-72-139.

The Denyer Cup; Bob Walker, Queens Park, 63-79-142, Adrian Panks, Axe Cliff, 78-68-146, Joe Newman, Downshire, 77-70-147.

Surviving Score Awards; Lowest Gross AM, Lindsay Anderson (Romsey) 79, Lowest Nett AM, Terry Patchin (Hockley) 72, Lowest Gross PM, Joe Newman (Downshire) 76, Lowest Nett PM, Adrian Panks (Axe Cliff) 68.

Qualifiers for the Iseki Regional Tournament were: Handicap 1-9: Joe Newman, Phil Nason, Robert Walker, Mark Webb, Ed McCabe. Handicap 10-18: Terry Patchin, Chris Sturgess, Tim Neighbour, Mark Diment, Adrian Panks. Handicap 19 and above: Ken Lodge, Adie Archer, Stephen White, Shane Hodgkins, Jeff Drake. Travelling Reserves: Paul Fitzjohn, Ian Noble.

Finally, my thanks to David Hinks, head greenkeeper at Hayling for all his efforts in preparing the course. A course aptly described by the club secretary, Mr R.C.W. Stokes, as the only links course in the South between Rye and Westward Ho! in North Devon.

BOB DENNIS

members shall play off their official handicaps at all section events and a separate handicap section will be added for those members who do not have official club handicaps.

The prizes in this section will be approximately half those in other sections to encourage members to gain handicap certificates. It does mean those attending outings should bring certificates along with them.

On a similar note, some members missed out on the invites to the spring outing this year as they were late in paying their subscriptions. In future members will have to quote their membership number on the return slips as a couple of

SCOTTISH REGION CENTRAL SECTION

THE section spring tournament was held on April 19, courtesy of Elie Golf Club, when over 50 members and guests enjoyed the summer weather and with the course in excellent condition a very successful day resulted.

The prizewinners were as follows: Best scratch, D. Leith, St Andrews. Best nett, C. McKay, Crail. 1st Class: 1st Handicap, I McDougall, Crieff, 2nd Handicap, A. Dunn, Gleneagles. 2nd Class, 1st Handicap, S. Sime, Scoonie, 2nd Handicap, S. Mackie, Canmore. Trade: J. Robertson, Aitkens. Guests: T. Frazer, West Lothian. Two Ball 4s: C. McKay/B. Cruikshank, Crail.

Our sincere thanks go to the Council and members of Elie Golf Club for granting us the courtesy of their facilities, to the clubhouse staff for the first class service and catering and especially to Brian Lawrie and his staff for presenting the course in such excellent condition.

Members on the move include past chairman, Ian Ritchie has moved from Ladybank to Ireland, Walter Garland from Falkland to Taymouth Castle and Duncan Peddie from West Lothian to Alloa, the best wishes of everyone in the section go to these members and their families for a very successful future.

A sour note to end on. Due to the lack of support the section Inter Club Tournament will not be run during the summer this year. It's up to you lads, either support events or they will simply not be organised for you.

JOHN CRAWFORD

people slipped through the net.

The sweepstake draw will be made on the evening of July 18 at Hazelhead Golf Club by Aberdeen Football Club co-manager Jocky Scott. Anyone interested in attending will be made welcome. It is hoped the same person will present the prizes at a later date.

We now have a full complement of excellent speakers for our conference in December, more details later. Finally congratulations to A. Dobbie who has moved from Deeside G.C. to Boat of Garten G.C. as first assistant.

GORDON MOIR

BERKS, BUCKS AND OXON SECTION

THE Berks, Bucks and Oxon spring tournament was held on May 22 at the West Berks Golf Club.

The event was a 36 hole competition with the top players qualifying for Iseki Tournament.

The weather was at its best and the well presented course made play very enjoyable with some very good scores returned.

The results are as follows: Winner best gross whole day: 1st Mr D. Murtaugh 164, 2nd Mr D. Goodchild 169. Winner best nett whole day: 1st Mr M. Long 139, 2nd Mr D. Head 146. 1st Round am gross, 1st L. O'Brien 87, pm gross, 1st N. Fenwick 81. 1st Round pm nett, 1st N. Breden 70. 1st S. Wood 68.

The members of the BB & O Section would like to thank the trade members for their kind support as usual and the staff of West Berks Golf Club who were: The Head Greenkeeper, Mr W. Patrick Wheelan. The steward Phil Murphy and Rosalie. Mrs Clayton and Les Witham the owners of the club.

HARVEY TRIBE

NORTHERN SECTION

I write this not knowing any details of Invitation or Presidents Day.

I hope everybody who played had a good day and details of the two events will follow next month.

There are still places for the Autumn tournament at Malton and Norton Golf Club.

A further golf date for your diaries has now been arranged this year it's our turn to go "over there" to beat them, the match is to be held at Bury Golf Club on Thursday August 23.

The team for this match is picked by our golf committee. If you wish to be considered please ring me.

I'm in the process of working out our winter lecture series. Details to follow later, latest staff moves are South Leeds, new head man is Brian Carr who returned after getting homesick at Filey Golf Club.

If any members have any snippets of news or anything to mention please write or ring me, it's difficult to find something to write about each month.

BOB LUPTON

Editor's note: Bob's plea for information is echoed by me, come on chaps put pen to paper or pick-up the 'phone.

SCOTTISH REGION NORTH SECTION

AT our last committee meeting, held at Arbroath prior to our spring outing, Alasdair MacLaren of Nethy Bridge G.C. was elected as the north representative on the Scottish Education, Liaison Committee.

Everyone is confident that Alasdair will do a good job in this important post. On a sadder note those present were disappointed to hear that Dundee College of Further Education did not gain the approval status they requested from the G.T.C.

A decision was taken at the meeting that in future,

AROUND THE GREEN

Continued from page 18

MID ANGLIA SECTION

THE spring meeting was held on Wednesday May 2 at Leighton Buzzard G.C., and although I was not present, Ken Bunting informs me it was a most enjoyable day.

We would like to thank Leighton Buzzard G.C. for making us so welcome and allowing us the courtesy of the course, our thanks also goes to the catering staff for the fare provided, and finally Dave Piggot and his staff for the presentation of the course.

Once again we were supported by our friends in the trade who provided some of the prizes, and we thank, Kingston House Mowers, Rogers Engineering, Pattersons and Rigby Taylor.

The prizes were presented by the captain of the club Mr Brian Avery, who we thank for doing so.

Results for the day. Nett scores over 27 holes, 1st I. Graham 101, Woburn G.C. 2nd I. Jones, 101, Leighton Buzzard G.C. 3rd N. Whittaker 102, Woburn G.C.

Finally, I am sure you would like me to thank Ken.

The next two section events will be: Summer tournament July 4 at Cold Ashby G.C. over 36 holes, the cost is £15. Closing date for entries June 13. Autumn tournament October 30 at Woburn G.C. over 27 holes, the cost is £15. All competition entries to Ken Bunting, No. 1 Cottage, Old Park Lodge, Little Gaddesden, Herts, HP4 1LU. Tel. 044 284 3359.

Any late entries for the summer tournament should be made to me, tel. 0727 35984, as Ken is on holiday. All the winter lectures, that is 90/91, will be held at Beadlow Manor Golf and Country Club, further details will follow very soon.

GEOFF SMITH

SOUTH WALES SECTION

ON Wednesday, May 11 we held our competition for the Jacobsen Cup and Brown's Shield at Cardiff Golf Club.

We would like to thank the committee of the golf club for giving us permission to hold our competition at their club. We would like to thank Graham Cox and his staff for preparing the course for us. Also the caterer for giving us our food in the evening.

There was a total of 29 at the meeting with 6 of these being members of the trade. We would like to thank our sponsor's for the day: Keith Morgan of Usk, local Jacobsen representative, and Brown's of Bristol.

The day's best score was a gross 79 score by P. Swain and H. Morgan. P. Swain won the Jacobsen Cup with a nett score of 66 and also a holdall and a bottle of Whisky donated by D. Padfield Avoncrop of Bristol.

H. Morgan won the Brown's Shield for a gross score of 79 also a pair of trousers and a bottle of Whisky that was donated by R. Borrows Brown's of Bristol. T. Thompson won the Waycott Cup with a score of 70 and also a set of novelty headcovers.

T. King was third nett with a score of 71 and also won a set of novelty headcovers. Golf balls were given for birdies: T. King 3, P. Swain 2, H. Morgan 2, A. Clissitt 1, G. Cox 1.

A raffle was held with prizes donated by Brown's, ICI and Maxwell Hart. The radio donated by ICI was won by T. Garland, pullover donated by Brown's was won by P. Swain, and the shirt donated by Maxwell Hart was won by M. Davies.

Our congratulations to Peter Lacey and his wife on the birth of a son.

If anybody has anything that can be used in the magazine

please send it to me to be inserted in the section news.

PHILLIP SWAIN

SURREY SECTION

THE main news this month is of the National Education Conference held at Egham.

The conference was very good with a wide range of speakers from all over the world who all gave very interesting presentations which for me illustrated the facts that no two golf courses are the same and that people world wide are moving back towards a more natural style of course management at last!

I felt that these were two features of the conference that were rather disappointing. The first and main one was the fact that the attendances were low if taken as a percentage of the national membership, with a lot of the faces that you see at every event, but very few of the younger greenkeepers.

And as far as I know only one greens chairman. Are you totally apathetic?

The second point was that there was no indication outside the college that there was a national conference in progress. A simple banner hung from the footbridge outside would have told a large number of the public that the greenkeepers of this country are interested and professional enough to organise and attend such a conference.

This could have been valuable PR for the association. Whilst I am on the subject of professionalism I recently attended, along with approximately 40 others, a Watermation Irrigation Systems maintenance day at Sandford Springs near Basingstoke. The day was excellent an invaluable for those of us who have to work on these systems occasionally. Unfortunately of

Continued on page 20

WEST SECTION

THE West Section (Scottish) held its spring outing over Lenzie golf course on April 26th which was very well attended.

I would like to thank the members for an excellent turnout and Lenzie Golf Club for granting the courtesy of their course for the event.

I must congratulate Cecil N. George for the condition of the course and the way it was presented. I would also like to thank the club officials, catering staff and bar staff for their help and co-operation on the day.

After some good scoring the following players were successful: Scratch, Sandy Bulloch, Mount Ellen G.C. First, 1st Class Stephen Hogg, Drumpellier G.C. First, 2nd Class Jack Stenard, Douglas Park G.C. First, 3rd Class

Stuart Cameron, Drumpellier G.C. Trade Prize. Robert T. Bruce, Stewart and Company.

The autumn meeting will be held at Douglas Park G.C. on September 20 and again I would like to welcome a large turnout of members and trade.

I would like to take this opportunity to congratulate three former West Section officials who have taken the road down South.

Chris Kennedy and Jim McKenzie who have both moved to Wentworth and ex-section secretary Robert Brewer on his move to Sunningdale.

I will always be interested to hear of their progress, and all three will be missed in the West Section for the excellent work each put into their duties during the past few years.

GORDON KERR

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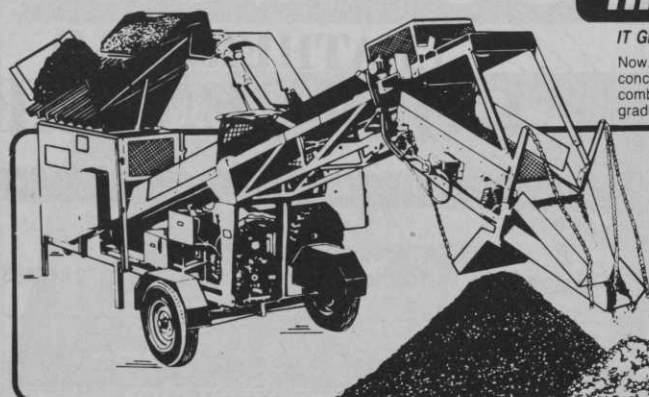
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AROUND THE GREEN

Continued on page 19

the 40 present only a handful were either in collar and tie or smart casual wear.

The rest were in what I would term workwear. The club had dress rules as do most clubs regarding denim and trainers, fortunately these were not enforced.

However I don't think it is too much to ask that if you are representing your club and/or BIGGA at whatever level, that you turn up looking semi-respectable.

This again would help to give people a less blinkered view of greenkeeping as a profession. If you wish to be treated as a professional you must first present yourself as one.

It's a shame to fill Surrey's notes with this sort of comment, but since I have no other news I thought I would get it off my chest.

Finally, I am sad to report that we are losing Mik Wells as our Section Secretary. He is moving on to pastures new, working for GPI in golf course construction.

He has done a lot of hard work for the section over the past year and has always been a great ambassador to greenkeeping. So thanks Mik, all the best for the future.

If anyone out there is interested in helping to run the Surrey Section please contact me as we are short handed at the moment.

It does not take an awful lot of time and you may even enjoy it. My number again is; for news, views, offers of help, etc. is 025 125 4287.

PHIL BALDOCK

EAST OF ENGLAND

ON a lovely hot sunny day in May we visited Stoke Rochford Golf Course for our spring tournament competing for the Purdy of Retford Trophy. Being our local ISEKI agent, this was our section qualifier.

The competition was hotly contested with good scores being made on a green manicured golf course which had a lot of us saddled with dried up fairways drooling.

The winner was Richard Owen of Sleaford Golf Club. Runner-up was that evergreen performer Graeme Patrick, also qualifying for the regional final were: C. MacDonald, J. Simpson, D. Hornsley, F. Cobb, G. Ogden, N. Marshall and J. Scotney.

We must thank Peter Bloodworth for arranging the courtesy of the course. Also Mr Tony Snaith of ISEKI for pro-

viding the machinery display. It let us know what we were there for. The sight of the day was the look on the Stoke Rochford treasurer's face as it all rolled in the car park!

Prizes were presented by Len Passmore of Purdys. Our thanks also go to the other companies who donated so generously.

Two of our clubs are in their centenary years - Belton Park Golf Club have just had a week of AMs and Invitation Events for all sections of membership, and Burghley Park, Stamford, are holding similar celebrations in July.

COLIN SWINGLER

SCOTTISH REGION

THE Scottish Region Finals of the Iseki tournament were held at Cawder Golf Course on May 30. Perfect weather complemented a course in great condition and everyone thoroughly enjoyed themselves.

Our thanks go to Cawder Golf Club especially the captain and secretary for their kindness and hospitality and to the catering staff for excellent meals and Alistair Connell and Jim McCormick and greenkeeping staff for the condition of the course.

Our thanks also to Iseki in the shape of Peter Powell with his usual Welsh good-humour and supporting him with the Iseki caravan, Steve Broad.

I would also like to thank Scottish Region President Harry Diamond and team Cecil George, Wullie Steele and John Crawford for their support. Finally to the winners congratulations, the scoring was actually very good on a very tough course and I hope you can all make it to the finals.

There were two other prizewinners. Nearest the hole at the 18th went to Sandy Bulloch from Mount Ellen and longest Drive at the 14th was by Brian Finlayson of Troon, this was a massive drive which one competitor compared to being launched by a bazooka.

Results: 1st Class. 1. Steven MacDonald, Fortrose & Rosemarkie, 77-7-70; 2. George Brown, Turnberry Hotel G.C., 75-4-71; 3. James Ellis, Glenberrie G.C., 76-5-71; reserve James McCormack, Kirriemuir G.C., 80-7-73.

2nd Class. 1. John Flint, Hazelhead G.C., 87-17-70; 2. Paul Bowden, Newbattle G.C., 82-10-72; 3. William Whitfield, Stirling G.C., 86-12-74; reserve Brian Anderson, Hazelhead G.C., 91-16-75.

3rd Class. 1. Stewart Mackie, Canmore G.C., 91-19-72; 2. Hugh McLatchie,

Peterhead G.C., 96-21-75; 3. Stewart Harvey, Cawder G.C., 96-19-77; reserve Steven Dixon, Newbattle G.C., 98-19-79.

Davie Millar

June 15 marked the end of Davie Millar's career in greenkeeping when he officially retired from his position as Head Greenkeeper at Glenberrie Golf Club.

Davie started in greenkeeping in 1938 as a young lad at the Royal Burgess in Edinburgh, from there he moved to Kingsknowe also in Edinburgh and then to Canmore in Dunfermline.

His next move was to Paisley Golf Club or "The Bushes" as it is more commonly known in the West and in 1959 he moved to Glenberrie to begin 31 years service to that club as Head Greenkeeper.

In his time there Davie has seen a lot of young lads come and go most of them moving

on to be Head Greenkeepers in their own right. Under Davie's supervision, Glenberrie has always been known as a top class course and has been one of the Open Championship pre-qualifying courses for many years.

It has also hosted the British Boys Championship and Boys Internationals and the Scottish Professional Championship on more than one occasion. A low handicap golfer in his day, Davie was a long-time member of the Greenkeepers Association and attended many East of Scotland and Scottish National Tournaments.

Glenberrie Golf Club have arranged various events in Davie's honour culminating in a dinner and presentation on June 18.

We in the Scottish Region wish you Davie a very happy

Continued on page 21

RECRUITMENT

HEAD GREENKEEPER

Applications are now invited for this 9-hole public golf course at Leatherhead, Surrey.

The course has just been constructed by McMillan Golf and is expected to open in summer 1991.

The successful applicant will be expected to take up the appointment in late summer 1990 and will initially be responsible for tending the course and carrying out any required work prior to opening and thereafter for the maintenance and management of the course.

Applicants should be fully qualified and have a thorough knowledge in the use and maintenance of modern greenkeeping machinery.

Accommodation is available if required.

Please apply with full details to Philip Taylor.



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★ More recruitment on pages 47 to 49

AROUND THE GREEN

Continued from page 20

retirement and take it easy after all these hard working years.
ELLIOTT SMALL

NORTH-WEST SECTION

THE spring tournament at Withington G.C. on May 30 turned out to be an excellent day.

Firstly the weather was very kind to us. After a few early showers the sun shone and gave us a perfect day for golf. Secondly it was probably the best attended golf day for many years, with 50 greenkeepers, plus guests attending and enjoying the superb condition of Withington G.C.

Stuart Bridge the head greenkeeper and his staff had produced a course that could not be faulted. These boys obviously know their trade, and it must have been very reassuring for them to hear the kind comments of both their fellow greenkeepers and the members of Withington G.C.

I would like to thank Withington G.C. for allowing us the courtesy of their course, our friends of the trade for their contribution towards the prize table, the catering staff for the great meal, and to the greenkeepers themselves for helping to make the day a success.

Apart from prizes to be won the competition was also a qualifier for the ISEKI regional final to be played at Brancepeth Castle golf club on June 20, so there was plenty of interest on the day.

The first prize and place was also a first in another way. The SISIS cup which had been played for on many occasions at Cavendish G.C., and was presented to the N/W section 2 years ago, was presented to the winner of the spring tournament by Ian Kemp of SISIS. The cup was also accom-

panied by a very nice carriage clock.

The winners on the day were: 1st Peter Simpson, 44pts, SISIS Cup. 2nd Bill Merritt, 42pts, Hargreaves Cup. 3rd Trevor Manning, 40pts. 4th Derek Smith, 37pts. 5th Paul Pearse, 37pts. 6th Brian Turner, 36pts. 7th Tom Lyons, 35pts.

The Veterans Cup was won by Bert Scott.

By now everybody will have received a newsletter with the golf dates etc, but to refresh your memory here is a list of them again. Roses Match, Bury G.C., Thursday August 23 (team of 16 required), Stewards Match, Turton G.C., Monday September 10 (team of 16 required), autumn tournament, Birchwood G.C., Tuesday October 2.

We are trying to arrange a trip to Ransomes in the autumn with Burrows of Preston and if anybody is interested please give me a ring on 051 724 5412.

BERT CROSS

MIDLANDS SECTION

ISTART my section notes this month by wishing our very good friend Bob Pilsbury a speedy recovery from his recent accident, and look forward to enjoying his company again at our golf tournaments.

The Rigby Taylor Knockout is now well under way and providing players with some interesting and tough matches. Please ensure for the smooth running of this tournament to get matches played by the given dates.

On July 11 we hold our summer tournament at Broadway Golf Club which is situated in The Cotswolds, we look forward to seeing a good turn out and please remember to adhere to the club dress rules, while attending these tournaments or indeed any club function.

While it is our policy to

welcome members from other sections to play in our golf tournaments, we must stress that the visiting member will not be eligible to compete for the tournament trophy.

DEAN CLEAVER

SUSSEX SECTION

HIGHWOOD Golf Club was the venue for our spring tournament on May 3.

It was a very hot day and the course was in excellent condition. Our thanks go to the secretary and head greenkeeper and all those who helped to make it a successful event, including Rigby-Taylor, John Shaw, Parkers and Farmura who very kindly donated the raffle prizes. There was a very poor turnout of Greenkeepers, however. Must do better next time!

Results: Greenkeepers Stableford: 1st R. Short, 41pts, 2nd B. Moore 39pts, 3rd D. Coomber 30pts. Guests: 1st D. Shrubbs 36pts, 2nd R. Hancox 35pts, 3rd J. Coppen 33pts. Greenkeepers Medal: 1st R. Day, 2nd A. Cale, 3rd L. Shrubbs. Results for the first round of Iseki Tournament: R. Moore, L. Shrubbs, A. Cale, A. Butrymowicz, R. Jones, R. Short, D. Coomber, R. Day, M. Beadle.

DICK BULL

DEVON AND CORNWALL SECTION

AS I am writing this newsletter the rain has started to fall for the first time in ages which is a relief to me and must be to all of us after the dry cool spring and the hot start to the summer.

Since our last meeting many events have taken place in our region which, first of all, saw the top pro's visiting our area to play in the Benson and Hedges tournament held at the superbly presented St Mellion course. It was a credit to Roy

and his boys who had put in unlimited hours of work weeks before the cameras arrived.

Also I hear on the grapevine that during the tournament one night Roy decided to have a candlelight dinner in his irrigation pump house?

Also during the last few weeks our region held its second annual Westurf Trade Exhibition at the very popular venue of Long Ashton Golf Club.

This being my first visit to Westurf I found everything I needed at the show and was very impressed with the demonstration areas which included a putting green which must be unique.

Also I would like to congratulate Gordon Child and his wife who had organised the show superbly and are now probably hard at work on next year's show, which I hope everyone in our section will be attending.

RICHARD WHYMAN

LONDON SECTION

TWO points of interest. Congratulations to Jackie and Alan Greu, who have had their first child a baby boy named Andrew at 7lb 4oz.

Brian Kelly our section secretary celebrates 25 years service to Hainault Forest Golf Club this year and will be honoured with a presentation of a stereo record deck. Congratulations Brian!

Our first summer tournament was played at North Middlesex Golf Club on May 8. The afternoon was badly attended yet again (where are you all) but those who did play enjoyed themselves. The results were: 18 Hole Stableford Competition. 1st Chris Carpenter, Porters Park 40 points. 2nd Andrew Phillips, Hadley Wood, 36 points (back nine). 3rd Gareth Roberts, North Middlesex, 36 points.

ANDREW PHILLIPS

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FOREIGN SECRETARY VISITS RANSOMES SIMS & JEFFERIES

RANSOMES Sims & Jefferies' managing director Mr Eric McCoy took the opportunity of a visit by Foreign Secretary Mr Douglas Hurd to thank the Government for the support given to companies exporting abroad.

Ipswich-based Ransomes is a world leader in the grass machinery market and last year continued its overseas expansion with the acquisition of the Cushman Group in North America.

"The Foreign Office works very hard to assist exports into other countries, although they do not get much credit for this," said Mr McCoy. "There is good Government support for foreign trade."

In 1989, the Ransomes Group succeeded in increasing domestic and overseas sales by 37%.

Mr Hurd, who was visiting Ransomes for a reception organised by the Ipswich Conservative Association, said in-



Foreign Secretary Mr Douglas Hurd with Ipswich MP Mr Michael Irvine, centre, and Mr Eric McCoy, managing director of Ransomes Sims and Jefferies, right, during a visit to the grass machinery manufacturers' factory in Suffolk.

dustry in the region was well placed to exploit opportunities presented by the 1992 European single market.

Channel 4 News recorded

Mr Hurd's visit to Ransomes to include in a profile of the Foreign Secretary which is expected to be broadcast in the near future.

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ACADEMY FOR GOLFING BEGINNERS

A golfing academy area is to be established at Hellidon Lakes Golf Club, on the Northamptonshire/Warwickshire border, to instruct beginners on the rules and etiquette of golf as well as the swing.

The 35-acre practice area, recently granted planning permission by Daventry District Council, will allow new golfers to learn the basics of the sport - including correct manners - without disturbing more experienced players out on the main course.

The three-hole nursery course is based on similar schemes at golf clubs on the Continent, and is part of the Hellidon Lakes policy of welcoming and encouraging complete beginners in addition to skilled, low-handicap golfers.

Hellidon Lakes golf director David Snell compared learning to play golf with learning to drive a car. "You need to know the rules of the road," he said. "New golfers need to learn not simply how to hold a club and hit a ball but also to assemble knowledge on the etiquette and traditions of going around a golf course."

"Some people find it intimidating playing golf to begin with because they are afraid they may be doing the wrong thing. On our academy area we can help new members to enjoy their game by allaying their fears and preparing them for the 18-hole course."

Continued on page 23

Lord Derby stands down from PGA European tour Presidency

THE PGA European Tour has been rocked by the announcement that its President, the Rt Hon The Earl of Derby MC, has resigned.

The decision follows in the wake of the recent meeting to decide the venue for the 1993 Ryder Cup in which the Earl's casting vote was used to secure the decision in favour of the Belfry.

There had been a lot of tension prior to the meeting with the pro-Belfry faction being opposed by a strong lobby for Spain, backed by the not inconsiderable weight of such stars as Seve Ballesteros and Jose Maria Olazabal.

More fuel was added to the fire when the recently appointed Britain and Europe Ryder Cup captain, Bernard Gallacher, threw his hat into the ring in favour of the Spanish claim. The Press was full of the controversy but the outcome of the meeting held behind closed doors was a 4:3 vote in favour of the status quo.

PGA Chairman Neil Coles received the Earl's letter of resignation which was dated June 1st. Both the Earl's letter and Neil Coles' reply are published below. The move is bound to fuel speculation as to the amount of in-fighting which may have taken place within the PGA prior to the meeting.

Dear Neil,

I found myself in a very difficult position at the last Ryder Cup Meeting. I felt on all that had been said and on all known facts that I had no alternative but to make the decision I did.

However, as your President I realised that I had placed myself in direct opposition to the policies and aspirations of the Tour. Immediately after the meeting therefore, I unreservedly placed my resignation in your hands. I was very sorry to do this as I have thoroughly enjoyed my association with you and been proud to have been your President.

I also propose to resign as Chairman of the Ryder Cup Committee, as I appreciate that I can no longer be thought of as impartial.

For the sake of the Ryder Cup I do hope that you will

quickly find somebody acceptable to both sides to take my place.

Yours
Lord Derby

And the reply...

Dear Lord Derby,

THANK you for your letter of June 1 confirming your resignation which, in the circumstances, the Tour accepts.

We respect your decision but obviously remain disappointed that no effective alternative solution was considered at the Ryder Cup meeting.

We have been privileged to have had you as our President from the very outset of the Tour's European ideals and will remain very sorry that events have turned out this way. We do thank you for all your past support.

Yours very sincerely,
Neil Coles

Continued from page 22

ISEKI CLEANS UP AT CASTLE HOWARD

WHEN your stately home has over 200,000 visitors a year and such diverse areas of ground as woodland, lakes, a walled garden and an arboretum covering just under 100 acres and very rare species of plants, trees and shrubs from all over the world, keeping it all neat and tidy is no small undertaking.

Such is the task allotted to Brian Deighton, Grounds Supervisor at magnificent Castle Howard in North Yorkshire, who has recently taken delivery of two Iseki Tractors.

The two new units, a 33 horsepower TA 530 with its unique shuttle gearbox and a 22 horsepower TU 320 have a large part to play in Castle Howard's Groundcare operations, and adaptability to a lot of different tasks. This was one of Mr Deighton's main criteria for choosing Iseki.

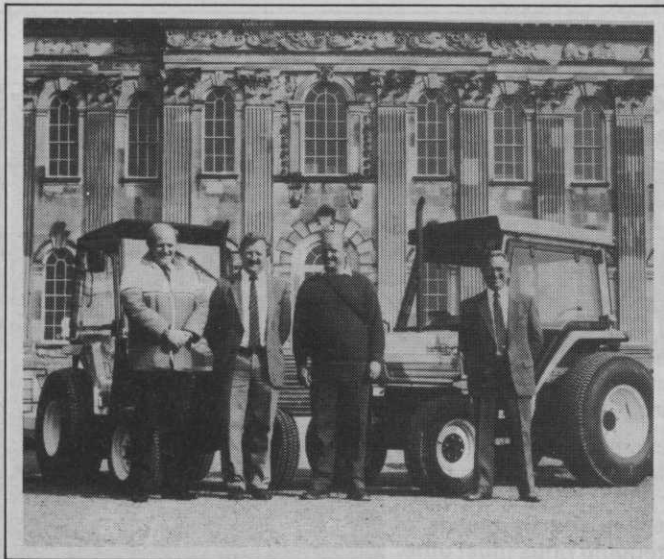
The two tractors purchased from Iseki dealer F.G. Adamson and Son have been allotted many different tasks, for the TA 530 this includes loading com-

post and moving top soil around the estate and in their thriving plant centre as well as tidying up after the visitors using a trailed sweeper collector.

Whilst the smaller TU 320 is fitted with Iseki's stylish safety cab and has both a rotary mower for scrub cutting around the woodland areas, and a Huxley 3 gang cylinder mower for more manicured areas of lawn around Castle Howard.

In addition the newly stocked lakes and banks will be cut using Iseki's adaptable Hedgecutter which acts as both flail mower and hedgetrimmer, another adaptable machine for the estate environment.

Castle Howard is certainly one of North Yorkshire's biggest tourist attractions and a thriving estate. The estate enterprises also host many conferences and events in its magnificent grounds. With these latest additions to their fleet, Castle Howard's grounds could not be in better hands, dedicated grounds staff and adaptable tractors from Iseki will see to that.



Castle Howard in North Yorkshire has recently taken delivery of two Iseki Tractors. Brian Deighton, Grounds Supervisor, collects the keys from Iseki dealer, John Adamson and Iseki's Territory Manager, Tony Snaith.

CAR COMPANY SIGNS UP TOUR PROFESSIONALS

A major car leasing company is making a welcome return to sponsorship on the WPG European Tour with a deal to supply cars to six top women professionals.

Cowie Interleasing (Midlands) first sponsored professionals on the Tour in 1985 when they supplied cars to

girls in the Baume Mercier team.

Now they have agreed to do the same for England's Caroline Griffiths, Claire Waite and Sarah Duhigh, Ireland's Maureen Garner, American Meredith Marshall and Australia's Anne Jones.

Mr Joe Flanagan, the Tour's Executive Director, said: "The use of a car is vital to a touring professional and will make life a great deal easier for these girls.

FLYING DIVOTS

ALL-TICKET WALKER CUP

THE 1991 Walker Cup match, which will be played in Ireland for the first time, will also be the first match of the series on this side of the Atlantic to be all-ticket.

When the British and Irish amateurs face the Americans at Portmarnock on September 5-6 next year, the daily attendance will be limited to 12,000 spectators.

The tickets, priced £10 per day for adults and £5 for juveniles, will be distributed mainly through the Golfing Union of Ireland and 80 per cent of the allocation will go to Irish Golf Clubs.

SHAW BET HANDICAP

WHEN golf-crazy Dave Shaw tried to gain a handicap he was stymied. When he attempted to join a golf club in his home town of Harrogate, Yorkshire, he was out of bounds. They were all full and refused to accept him.

So in his desperation 42-year-old Dave splashed out £650 on a 420-mile round trip to Islay in the Western Isles of Scotland and returned with his prize.

Dave, an aerial photographer, hired a four-seater Cessna and flew north with his clubs to join the Machrie Golf Club which has no waiting list and where the combined joining fee and annual subscription adds up to £100.

Dave took with him golfing pal John Warner, an 11-handicap member of Harrogate, to mark his card and after three rounds achieved a 16 handicap.

McEVROY STEPS DOWN

PETER McEvoy, arguably Britain's greatest ever amateur, has decided not to compete in any more major events this year and may even consider retiring from competitive golf.

The 37-year-old, who played a key role in Great Britain and Ireland winning the Walker Cup in Atlanta last August, competed in the recent international against France and that may prove to be his swansong.

This shock move comes as McEvoy is struggling to find the time to compete at the top of the amateur game with his sports marketing company flourishing. He also wants to spend more time with his family.

BUSH'S NEW WEAPON

US President George Bush and Vice President Dan Quayle have shown an interest in a new, apparently devastating, weapon by ordering two of them. The lethal device apparently fires straight, long and true, if you ask Jack Nicklaus, Ray Floyd or Jumbo Ozaki, who all used one at this year's US Masters.

The new Bridgestone J's handground metal woods with graphite shafts have become the hottest golfing property in America since Augusta's last craze, Jack Nicklaus' big-headed putter in '87. President Bush and Vice President Quayle have placed their orders through the Congressional Golf Club in the hope of beating the rush.

CHARITY CHALLENGE

A celebrity challenge match featuring double Masters' champion Nick Faldo raised nearly £20,000 for two Hertfordshire-based charities.

Over 550 spectators attended the fun matchplay event at East Herts Golf Club, Ware, to watch Faldo and comedian Jimmy Tarbuck lose 2 and 1 to Walker Cup star Peter McEvoy and Ted Dexter, chairman of the England cricket selectors. The money raised will be split between the St Albans Church Urban fund and the East Herts McMillan hospice, which is based in Welwyn Garden City, Faldo's home town.

PGA official David Wright refereed the match, Faldo played off plus four handicap, McEvoy plus two, Dexter three and Tarbuck six.

ROSEMARY'S RECORD

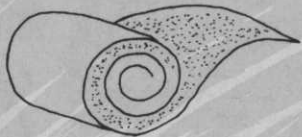
WHEN Rosemary Reed (Willesley Park) beat Jennifer Perkins of the host club 5 and 4 at Rothley Park to win the Leicestershire county championship for the sixth time, she created a record.

Mrs Reed has now won at least one county title in each of the past five decades. She won the Lincolnshire championship three years in a row from 1959 before her marriage, while her previous successes in the Leicestershire event came in 1967 and '68, in 1978, '81 and '83.

Next year Mrs Reed, who is in her mid-fifties, will have been playing county golf for 40 years.

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As an experienced greenkeeper, you will be only too familiar with the problems of keeping a green, healthy and free from turf diseases such as foiler dollar spot and leaf spot.

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Both units provide an image that is bright, clear and positionally correct over a class leading viewing area.

MACROSCOPE 25 provides a fixed magnification of 25x over a field of view of 8mm.

MACROSCOPE 18-36 200mm provides a

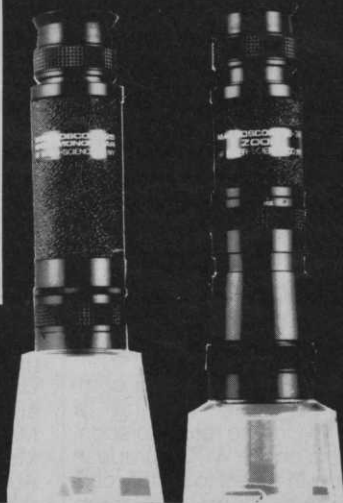
variable magnification over a field between 6.3mm (at 36x) and 11mm (at 18x).

Both units are camera adaptable via the simple, low cost MACROMATE 1 adaptor. This allows either unit to be coupled direct to most 35mm lenses and by means of easily available stepping rings most other lens sizes can be coupled.

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Pesticide threat to natural aerator

Earthworm burrows, too, exert both physical and chemical effects on soil. Burrows are of two types. Temporary burrows are made by earthworms moving from one feeding site to another. Permanent burrows are homes to individual worms, are usually more extensive, and are open to the surface, allowing the resident earthworm to select the most favourable microclimate for feeding. Permanent burrows are fastidiously kept clean by earthworms removing casts, organic matter and soil that have washed in.

As they burrow, earthworms excavate networks of passageways throughout the soil, which improves the soil's porosity. Up to two-thirds of all soil pore space is estimated to be the result of earthworm burrows, which can increase a soil's moisture-holding capacity – in some cases by as much as 400 per cent. Because of the large diameter and low surface-tension of most burrows, they also serve as drainage systems during irrigation and heavy rainfall. This may account for better mixing of soluble nutrients throughout the soil profile.

Earthworms also act as effective agents of soil aeration. As they penetrate the topsoil and proceed downward into the subsoil, they may increase the soil-to-air ratio by eight to thirty per cent.

Earthworm Attrition

With so many benefits to the soil accrued from the activity of earthworms, why are they given so little consideration when pesticides are selected, pesticides that ultimately bring them harm?

Pesticide registration guidelines initially placed little importance on the potential impact of pesticides on non-target species. This has changed dramatically in recent years, and the Environmental Protection Agency now gives considerable attention to the impact of pesticides on earthworms and other non-target species during the registration process. Use patterns that negatively impact non-target species are unlikely to obtain registration; in fact, at present there are no pesticides registered by the EPA specifically for earthworm control.

Lack of knowledge is another problem – the applicator is often unaware of the detrimental effects that various pesticides have on earthworms. To be sure, the acute effects of various pesticides on earthworm distribution and abundance

We conclude our in-depth and fascinating look at the earthworm, started in our June Issue.

have been the topic of very little research in this country. Even less is known about pesticides' chronic effects on earthworms.

Another explanation may be linked to the increasing popularity of the game of golf during recent years. To meet the demands of greater use, more sophisticated means of pest control – and more advanced chemicals – are needed to maintain tees, fairways and greens under heavy use.

Finally, early chemicals with broad-spectrum pesticidal activity and long-term residual effects, such as chlordane, resulted in the chronic reduction of earthworm activity. A single treatment could hold earthworm numbers in check for multiple seasons, depending on soil type and climatic conditions. By comparison, pesticides in use today are generally less toxic to earthworms; consequently, earthworm activity is more noticeable.

Pesticides and Earthworms

Toxicity to earthworms varies widely among types of pesticides classified by use – insecticides and related compounds, fungicides, herbicides, fumigants and vermicides. Two groups of pesticides are extremely toxic to earthworms and most other soil organisms – fumigants, such as chloropicrin, dichloropropane, and methyl bromide, and vermicides (designed intentionally to kill worms), such as ammonium sulphate, lead arsenate, and mercuric chloride.

Herbicides, at the other extreme, pose relatively little threat of earthworm toxicity. Their modes of action are directed toward plant regulation, and physiological processes of plants differ significantly from those of animals. This leaves fungicides and insecticides responsible for the most extensive pesticide impact on earthworms.

Insects, like earthworms, may be beneficial inhabitants of the soil in that they decompose organic matter; they

may also act as predators or parasites to harmful insects. However, they can also be serious pests and must be maintained below damaging levels. Root-and shoot-feeding insects, which pose the greatest threat to golf course turf, are presently managed with organophosphate and carbamate insecticides to reduce their populations to non-injurious population levels. However, a determination of non-injurious densities is purely arbitrary.

As illustrated in Table 1, many of these compounds present a toxic threat to earthworms.

Insecticide Toxicity

Earthworms are generally susceptible to carbamate compounds, which will significantly reduce their populations. Carbaryl, a carbamate pesticide often used for insect control, acts as a cholinesterase inhibitor, thereby producing long-lasting immobility and rigidity. Bendiocarb (Turcam) and propoxure (Baygon) are two other carbamate insecticides that cause paralysis in earthworms at normal dose rates. Carbofuran, another carbamate, is also very toxic to earthworms. Moreover, a sublethal response, characterized by weight loss, delayed clitellum development, and absence of cocoon production, has also been observed at recommended rates of carbofuran application.

Organophosphates are the most widely used class of turf insecticides.

They have been successful in controlling white grubs, mole crickets, chinch bugs, and sod webworms, to name a few. Of the organophosphates, ethoprop is the most toxic to earthworms. In contrast, chlorpyrifos, isofenphos, and trichlorfon are considered non-toxic to earthworms when applied at normal dose rates.

Understanding how particular classes of biocides act upon target species may yield insights as to their effects on other living organisms. Organophosphates, as well as carbamates, mimic the structure of the acetylcholine molecule, an important component in the transmission of nerve impulses across synaptic gaps in many animals. Cholinesterase, an important enzyme in the nervous system, is responsible for the destruction of acetylcholine once a nerve impulse has crossed the synapse, thus preparing the synapse for another impulse. The presence of organophosphates or carbamates results in the phosphorylation of cholinesterase, thereby suppressing the destruction of acetylcholine.

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Team support for Walter at Open



A greenkeeper hard at work to make the Open a great success.

FOR several years prior to the formation of BIGGA, a small band of Scottish greenkeepers had been giving their services to the Open Championship by means of bunker raking duties.

Now in 1990 a Greenkeeping Support team and a links management committee will be involved in a much more organised operation. The Links Superintendent at St Andrews,

Mr Walter Woods, was one of the greenkeepers instrumental in getting the Association involved in the world's most important golf tournament.

This year Walter will be hosting his third Open and I know he is proud of his profession and BIGGA.

The first Chairman of BIGGA really had his work cut out this year but, as ever, Walter and his team have come up with a course to test the world's best golfers.

The Association is proud of his achievements in the profession and our colleagues in the Golf Course Superintendents Association of America have also acknowledged his services by presenting him with their much coveted 'Old Tom Morris Award'.

Certainly over the last two years the Association has had much more involvement at the Open Championship starting with the flooding at Royal Lytham and baking last year at Royal Troon. This year the Support Team will be resident at Elmwood College, Cupar, Fife, one of the G.T.C. Approv-

ed Colleges for Greenkeeper Training.

The team will be breakfasting early and most will arrive at the course before 8.00 a.m. On the first two championship days play will commence at 7.15 a.m. and BIGGA will have a member with each match.

Prior to commencement of play Walter and his team will have been cutting from first light and the final touches applied to give the first class conditions the players now come to expect from our members.

The Open Championship amongst all the other tour-

naments including the American Master, still has that certain air of expectancy about it and the final scenes are fantastic to behold.

Members, after completion of their rounds wait at the 18th green for the finale. For members previously involved July 18th cannot come quickly enough.

Those who will be involved for the first time will be part of a professional team supporting Walter to ensure the world's greatest golfing tournament is played on a course in first class condition.

DAVID F. GOLDING

BIGGA
joins
in to
make
event
success

As our tribute to Walter Woods, Head Greenkeeper at this year's Open venue at St. Andrew's, Greenkeeping Management highlights the man himself and BIGGA's role in helping Walter make the world's greatest golfing tournament run like a well oiled machine . . .

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The new Ransomes GT with Verti-Groom is, quite simply, the most precise greens triple ever.

Now in just one operation you can groom greens and precision mow. The new greens unit with Verti-Groom attachment will reduce the build-up of thatch and give you a

smoother, faster putting surface and a more consistent finish across each and every green.

Here are just some of the unique new advantages of the Ransomes GT.

With the Verti-Groom mounted ahead of the front roller, the greens unit roller base is around 20% shorter

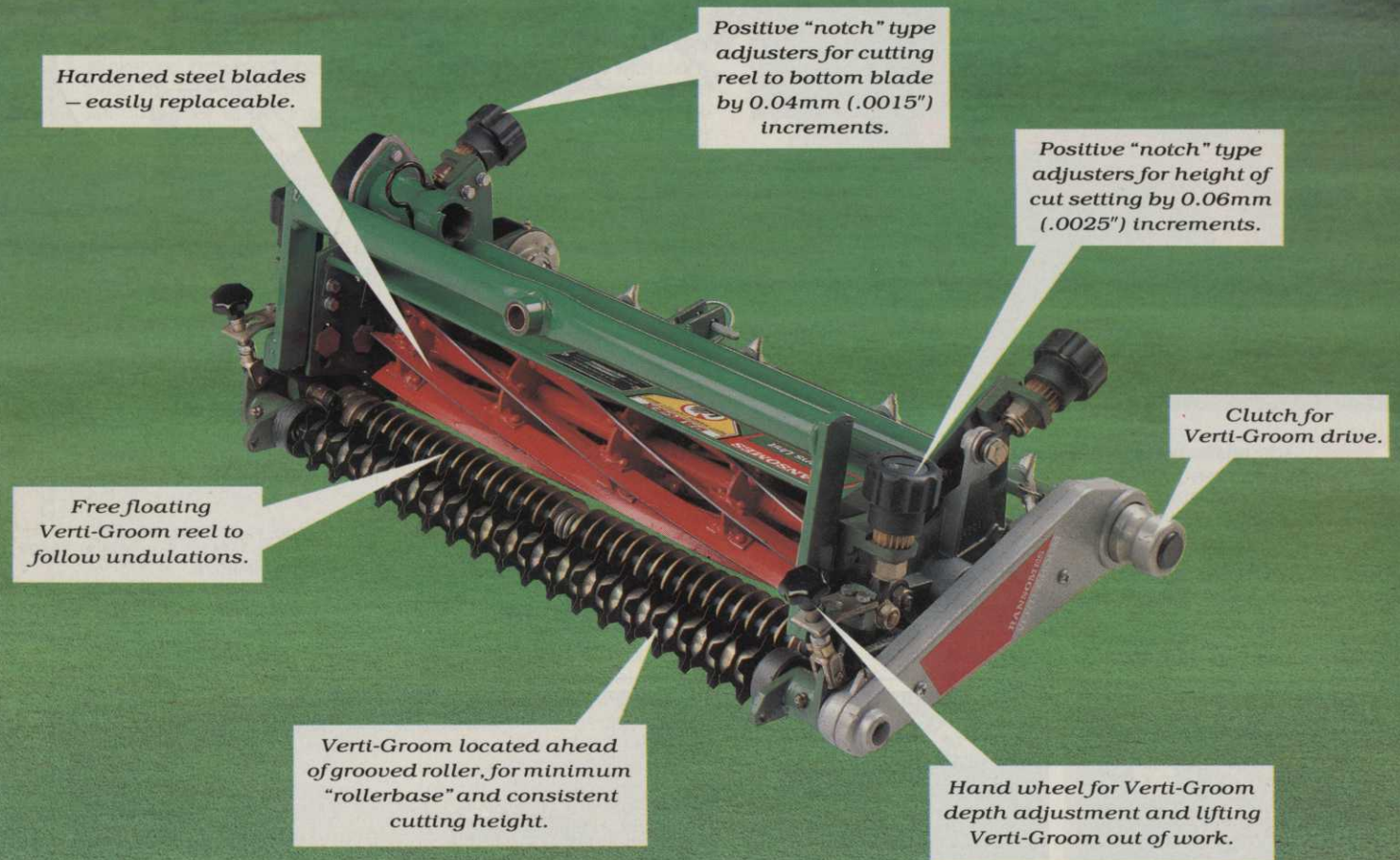
than any comparable machine.

So it gives a more consistent height of cut over undulating areas while dramatically reducing the risk of scalping. It's fully floating too so there's no risk of digging in.

You can engage or disengage the Verti-Groom attachment with a



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Verti-Groom located ahead
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depth adjustment and lifting
Verti-Groom out of work.

Greens Unit and Verti-Groom.



simple hand-operated clutch and for standard greens mowing, lift it well out of work.

The greens unit itself is entirely new too, making it more precise than ever before.

Now you can adjust the height of cut by increments as fine as .0025"

and adjust the reel to the bottom blade by .0015" at a time. Solidly engineered, notched micro adjustments mean no tools are required.

These are just a few of the many features that make Ransomes GT with Verti-Groom the most precise greens mower money can buy.

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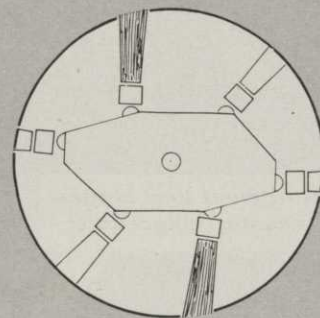
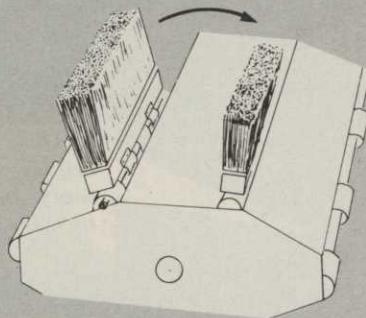


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BALI Show continues to grow

COME rain or shine, The British Association of Landscape Industries Show at Stoneleigh, Warwickshire provided the ideal base for business and potential customer to get together.

More than 40 new exhibitors chose to participate in this years event and their confidence did not go unrewarded.

From the big boys such as Jacobsens, Massey Ferguson and ICI down to the one or two man "minnow" companies Stoneleigh provided a professional location both indoors and out.

More than 240 exhibitors were housed in two separate huge exhibition halls with other companies based outside in either static or working exhibit areas.

The first day saw heavy showers scatter crowds at the outdoor sites with the afternoon in particular proving a trial for those hardy souls brave enough to venture into the fields.

However they were rewarded with an exciting and informative series of displays by companies offering a wide variety of equipment applicable to a myriad of industries including greenkeeping.

Indoors a steady stream of visitors were able to view the stands arranged in a grid formation in the two halls. Demonstrations also took place in an outdoor arena ad-

acent to the indoor exhibition halls.

The general consensus of opinion among exhibitors was favourable generally with many tradesfolk commenting on the professional organisation of the event and the promising number of visitors.

The vassitudes of the British weather dictated that numbers outside rose and fell depending on the precipitation. However large numbers took advantage of the working sites to view the machinery and many firms reported taking healthy numbers of orders at their stands.

Several of the market leaders made a conscious decision to stay away from the show this year following general dissatisfaction. However judging from the visitor numbers their decision was perhaps a hasty one.

Show Press spokesman Steve Mitchell pronounced himself satisfied with the way things had gone at Stoneleigh and said he was looking forward to the event next year.

"Most of the people I have spoken to have said they have been very pleased with the response they have had from the show and this bodes well for future events" he said.

"I think we have tightened things up where necessary and this has been reflected in the general reaction. Support for the event has grown from 1989 and I would hope this will continue into 1991."

Greenkeeping Management's editor Mike McClelland reviews the recent BALI Show held at Stoneleigh in Warwickshire.

COUNTRYSIDE POLICIES ARE RIGHT FRAMEWORK FOR THE FUTURE - BARONESS TRUMPINGTON

BARONESS Trumpington, Minister of State at the Ministry of Agriculture Fisheries and Food visited Landscape Industries 90 at the Royal Agricultural Society of England's Stoneleigh showground.

Speaking at the showground the Baroness said: "Farmers and others living and working in the countryside face a challenging period of change. I do not think it would be going too far to say that the change is unprecedented since World War II. Twin pressures are causing this situation. On the one hand there is the need to reform agricultural policy to get surpluses under control.

"On the other hand there is concern about the environment and the effect of intensive agriculture.

"In 1986/87 the Government foresaw that the reform of the Common Agricultural Policy would bring with it changes in the pattern of land use. That is why we produce the Farming and Rural Enterprise package.

"This contained a range of new measures to help the agricultural industry adapt to the new situation. For example, it extended the coverage of the Environmentally Sensitive Areas, and introduced the Farm Woodland Scheme and the Farm Diversification Grant Scheme.

"Since then we have seen set-aside introduced and pilot extensification schemes are on the way. Nitrate Sensitive Areas will also have their effect on agricultural production. We are considering what else needs to be done.

"In particular, we want to see if conservation measures can be more integrated with agricultural support measures. For example, we recently persuaded the European Community to allow environmental requirements to be built into

the Hill Livestock Compensatory Allowances system.

"We have been criticised by some for adopting so many different measures that we are causing confusion. It has also been suggested that we should adopt a more positively planned approach to cope with the situation.

"I think that such criticism is misguided. I believe that the right approach is to provide a policy framework within which the necessary changes can take place and not to plan those changes in detail. The situations of individual landscapes and farmers vary.

"What suits one will not suit another. The range of measures we have adopted are targeted at dealing with particular problems. They are designed to help farmers make their own choices in the difficult times they face.

"Farmers are producers of food but crucially they are also custodians of the countryside. Only with a thriving and viable agricultural industry will it be possible for the countryside to be maintained and improved. It must be a living, dynamic workplace.

"Only if farmers have viable businesses will they have the resources that are necessary to ensure that we have a landscape of which we can be proud".

SIERRA LAUNCH AT STONELEIGH

SIERRA United Kingdom Ltd chose Landscape Industries '90 at the N.A.C. Stoneleigh to launch its landscape fertiliser manual.

Already leaders in supplying fertilisers to growers of ornamental plants worldwide, Sierra through the manual feature the significant environmental, labour saving and ease of use benefits associated with their controlled release fertiliser product range.

The manual is a comprehensive guide to Sierra products and their use and includes samples of the products contained in a neat tray. Set out in a clear, concise, easy to read format the guide gives step by step product choice, use and cost information.

The guide will be of special interest to landscape architects, DSO managers and all those involved in writing specifications for the Industry.

Subjects covered include tree and shrub planting and maintenance, Beds and borders, hanging baskets and planters, interiorscapes and turf establishment and maintenance.



A typical scene during the BALI Show at Stoneleigh.



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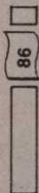
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GMA Show all set for really spectacular debut in September

THE GMA Show, Britain's major new exhibition for the garden machinery and outdoor power equipment industries, takes place for the first time from 2-4 September 1990 at Kempton Park, London.

Due to the exceptional response from the industry the show will be more than twice the size originally projected.

The original sales target, set at 15,000 square metres, has been exceeded by a massive 106%. Total stand space occupies 31,500 square metres of which 8,242 square metres are indoors and 23,241 square metres outdoors.

In addition there is an enormous Demonstration Site giving visitors the opportunity to test a wide variety of machines and equipment for themselves.

A total of 184 exhibitors representing at least 320 companies will be taking part at the Show. The core products of the exhibition – garden machinery and outdoor power equipment – will be complemented by turf management, landscaping, garden accessories and business services.

New product launches are planned by many of the exhibitors including Testers of Edenbridge, Westcon Equipment UK, Conway Products Ltd and Homelite Textron Ltd.

As planned the exhibitor profile is a well balanced mix of manufacturers and dealers providing plenty of ideas and buying scope for both the pro-



The Bourgein Vertidrainer in action.

fessional and domestic markets.

As Show Director Christopher Newton explains: "The fact that The GMA Show has been given such tremendous support by both sides of the industry – the manufacturers and the dealers – is strong testimony to the industry's need for an all em-

bracing exhibition."

Kempton Park is conveniently situated in the South of England, only 15 miles from Central London, and is therefore served by the excellent network of motorways surrounding London.

The British Rail station at Kempton Park will be opened specially for the show and fre-

quent trains will run from Waterloo. For international visitors, Kempton is only 20 minutes from Heathrow Airport and no more than 45 minutes from Gatwick.

Companies wishing to exhibit should telephone Catherine Sleigh, Sales Manager, on 071-486 1951.

**Added
extras
for
the
public**

IN addition to some 184 exhibitors and an enormous demonstration site, there are several other features which will add to the interest and enjoyment of visitors. Among these are an Engine Repair Competition and walk-in Model Dealer Showroom.

The GMA Skills Competition

The GMA Skills Competition, specially designed for apprentices, is being run on the final day of The GMA Show. The competition is open to apprentices who are currently attending a relevant course at a College affiliated to the Garden Machinery Association.

Organised in conjunction with Evesham College and the Garden Machinery Associa-

tion, the competition offers youngsters looking to make their way in the industry a chance to display their knowledge and skill before exhibitors and visitors. The entrants will be judged on their ability to identify and rectify faults.

The top three competitors will be presented with a trophy, certificate and cash prize. The competition is sponsored by Atterton & Ellis, Claymore Grass Machinery and Honda.

UK Small Engine Repair Championships

The GMA Show is to host the finals and semi-finals of the UK Small Engine Repair Championships on 2 and 3 September. This competition is organised and sponsored by

Briggs & Stratton, Kohler Engine Division, Tecnamotor and is open to all UK garden machinery specialists. The top three will be presented with a trophy, certificate and cash prize.

Model Dealer Showroom

A walk-in Model Dealer Showroom has been designed and coordinated specifically for The GMA Show by design consultants Barsby, Prince and Partners.

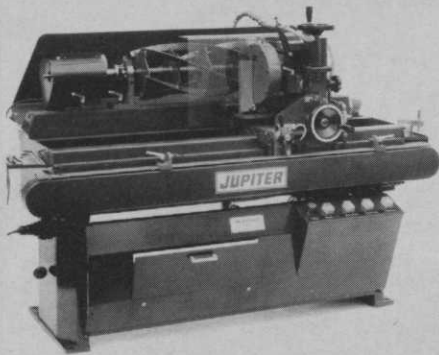
The Model Showroom will give retailers and dealers the chance to update themselves on the latest design and equipment in shop fittings.

Continued on page 35

LET US GIVE YOU THE EDGE

THESE CLUBS ALREADY HAVE IT!

- Carnoustie Golf Links
- Cawdor Golf Club
- Collingtree Leisure
- Ely City Golf Club
- Gleneagles Hotel
- Goring & Streetley
- Hags Castle Club
- Kinross (Green Hotel) Golf Course
- Leek Golf Club
- Lingfield Park
- Muirfield (Gullane) Golf Club
- Ponteland Golf Club
- Royal Dornoch Golf Club
- Royal Liverpool Golf Club
- Slaley Hall G & C Club
- Washington Moat House
- Whitecraigs Golf Club



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

See us at these exhibitions:

G.M.A. SHOW
 Kempton Park
 2 - 4 September, 1990
 Stand 1638

I.O.G. MACHINERY EXHIBITION
 Peterborough
 4 - 6 September, 1990
 Avenue 1, Stands 25 - 26
 SHOW 90

N.W. Branch I.O.G.
 18 - 19 September, 1990
 Haydock Park
 SCOTSTURF 90
 Ingliston, Edinburgh
 14 November, 1990

BIGGA EXHIBITION & SEMINAR
 Harrogate
 23 January, 1991



The NEW JUNO 36" capacity Cylinder and Bottom Blade Grinder will accommodate every make and type of Professional and Domestic cutting cylinders and soleplates. Simple to operate, fast changeover from cylinder to bottom blade grinding.

ERIC HUNTER GRINDERS LTD

HOBSON INDUSTRIAL ESTATE, BURNOPFIELD, NEWCASTLE UPON TYNE, NE16 6EB.
 TEL: (0207) 70316. FAX: (0207) 70312

A NEW COMBINATION OF POWER & SAFETY

ALLEN

THE ALL-IN-ONE CUTTER

The Allen Reciprocator features two 20-tooth, reciprocating blades that dramatically reduce the danger of debris becoming flying projectiles and prevent the kickback that is normally caused when a blade strikes a fixed object.

Powered by a 22.5cc Zenoah engine with electronic ignition, this unique professional petrol trimmer provides the durability and performance of a steel blade but the safety and versatility of a nylon head.

® Reciprocator™ is a registered trade mark of Komatsu Zenoah.

RECIPROCATOR[®]

JUST ONE REVOLUTIONARY CUTTING HEAD DOES ALL THESE JOBS!

EDGING AROUND GOLF BUNKERS

POND WEED - EVEN UNDERWATER

BRUSH & SCRUB

THE SECRET'S IN THE HEAD!

The steel blades remain safer during use because they do not rotate 360. The blades move back and forth in a 2" to 3" range of motion

IDEAL FOR TRIMMING AROUND GOLF BUNKERS, DITCHES, WATERHAZARDS - IT CUTS UNDER WATER!

Send for full details NOW!

**ALLEN POWER EQUIPMENT LTD,
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 TEL: 0235 813936**

Please send Allen Reciprocator details

NAME _____

ADDRESS _____

POSTCODE _____

Tick if demonstration required. GM

See us on Stand 1144 at the G.M.A.

DESIGNED WITH SAFETY IN MIND

Continued from page 33

Maximising sales is the target for all retailers and the aim of the showroom is to offer creative and innovative ideas for displaying products using samples of exhibitors' equipment to illustrate the point. Barsby, Prince and Partners will provide a consultancy service to answer existing problems that dealers may have.

THE semi-finals and finals of the UK Small Engine Repair Championships are to be held at The GMA Show September 2 to 4 at Kempton Park.

The competition, running throughout May and June, is open to dealer service engineers. Entrants are required to complete two written papers each consisting of nine questions. The papers will be published in the May and June issues of The GMS Magazine and must be returned by the end of June.

The nine semi-finalists and three finalists will compete in practical sessions at The GMA Show. They will be tested on identification of common faults and their ability to repair an engine.

Three prizes will be awarded: 1st prize - £500, 2nd prize - £300 and 3rd prize - £150. The competition is organised and sponsored by the following companies: Briggs and Stratton UK Ltd, Kohler Engine Division and Tecnamotor.

FIRST HAND EXPERIENCE AT THE DEMONSTRATION SITE

EXHIBITIONS are all about excitement, whetting the appetite of the visitor coming to buy. A visit to the show will provide plenty of this.

Visitors will not only be able to see, touch and compare the latest machinery and equipment on the market but they'll also have the chance to test it in the enormous Demonstration Site at Kempton Park.

Over 40 companies have opted to use the Demonstration Site including Ransomes Consumer, Kubota, Husqvarna, Briggs & Stratton and Claymore Grass Machinery.

This eye-catching feature enables visitors to both watch the exhibitors' demonstrations and to obtain first hand experience by testing out the machinery for themselves.

Catherine Sleight, Sales Manager of The GMA Show commented: "We are delighted to have so much space available at Kempton Park for demonstration purposes.

"Whilst static displays are essential, the demonstration area will provide colour, noise and activity - all necessary ingredients for compulsive viewing.

"For the first time in the UK, market leaders are making use of the demonstration facility giving buyers and specifiers a real opportunity to test and compare machinery."

WESTCON EQUIPMENT (UK) LTD

BIG John tree spades are making an impact across the UK, planting and moving semi-mature trees (up to 12" dia) and enhancing the landscape overnight.

Since the introduction of the Big John range into the UK, by Westcon Equipment, a number of models have been sold including tractor, loader, and truck mounted models, the latter being the most popular.

At the G.M.A. Show, Westcon will exhibit the model 55A mounted on a Bedford 4 x 4 truck, capable of lifting 5"-6" diameter trees with a rootball width of 55" and depth 48". Big John's reputation for heavy duty construction can be seen from close quarters on both this model and the 32-3P tractor mounted machine, ideal for nurseries and golf courses, which will also be at the show.

Complimenting the Big John tree spades will be Westcon's well known Rayco range of Stumpcutters, ideal for clearing roots and stumps after yet more storms.

After much demand, a new diesel model will be available for inspection. The Rayco 1635D powered by a Lister-Petter 30hp will provide economical and reliable stump grinding at a very reasonable price and will stand alongside the well known and very popular Rayco 1620 JR with twin slewing rams, which is now in service with contractors and local authorities both in the UK and Europe.

The 1620 JR model is powered by a 20hp Kohler engine, is self propelled, with all controls being hydraulically activated including the telescopic tongue.

This machine is able to remove stumps to a depth of 12" below ground level, and some 30" above ground, and because of its compact design it will pass through most garden gateways.

Irrigation and drainage are all part of a Greenkeepers work and Westcon will be displaying the Parsons T120 powered by Kohler 12hp engine for trenches between 4" to 6" wide and up to 36" in a larger machine is required then Westcon can supply a cable model from W. Germany powered by a Deutz 15hp diesel capable of digging trenches 6" wide and 5' deep.

Both of these machines cause little disturbance permitting quick and easy backfill with a one man operation.

HURSTRIDGE PRODUCTS

THE unveiling of this GMA Show, being the first of its kind, should prove to be a welcome innovation to all the visitors and exhibitors. Hurstridge Products Limited, consider this show as an ideal opportunity for the turf culture market to demonstrate the broad spectrum of its wares.

Hurstridge Products Limited acknowledge this show and we will be exhibiting our own launch, which will also prove to be a welcome innovation, as we enter a new decade under the new title of a Limited Company. We will continue to gain strength as one of the Leading Suppliers of Fine Turf Dressings and Growing Media in the South East of England.

Hurstridge Products Limited's "bridge" to the future, involves quality results and using technical knowledge as our "keystone". Our success has germinated from customer service, care and catering for the needs of the individual. We maintain a philosophy which dictates that we are big enough to supply what the customer wants, yet we remain small enough to supply it when and how the customer requires.

**GMA Show
Sept 2 - 4**

With over 25 years experience in the Sports Turf & Horticulture Industry, the outstanding success of this family based business has been built on a deserved reputation for quality and service and the personal recommendation of our customers. With this firm foundation, Hurstridge Products Limited will embrace the European input in the near future and will endeavour to remain one of the south East's Market Leaders.

Hurstridge Products Limited has recently undertaken a planned programme of expansion comprising of new buildings, advanced production methods, skilled marketing techniques and a modern, efficient office management system. These have all been introduced to cater for the demands of today's ever expanding Leisure & Amenity Markets.

Hurstridge Products Limited extend an open invitation to all visitors of the GMA Show to meet our team on Stand No. 2216.

Trees forming a separate theme

THE GMA Show has announced that for every 10 visitors passing through the doors it will donate one broadleaved tree to Britain's landscape. At the close of the show the total number of visitors will be counted and for every ten, one tree donated to the tree fund.

Local Authorities, groundsmen, greenkeepers, parks managers and other professional visitors at The GMA Show will be invited to apply for the trees which will be delivered to the named sites after the show.

The GMA Tree Planting Stand, located on the walkway between the Grandstand and the main exhibition site, will be dressed with a selection of young trees from Woodland

Improvement (Nurseries) Ltd. These will be sold at reduced prices on the last day of the show.

The trees donated by The GMA Show will consist of a number of varieties from the Roottrainer and Container stocks of Woodland Improvement, which can be planted all year round.

To mark the opening of Britain's first International Professional Lawn, Garden, and Outdoor Power Equipment Exhibition, a six foot tall native tree will be planted at Kempton Park.

The inaugural tree planting will be carried out on the opening day of the show. The Management at Kempton Park Racecourse is selecting an appropriate site for The GMA Show tree.

Continued from page 35

BOURGEIN CARRY THE TORCH

BRITISH Company L D Bourgein (Oxford) Ltd has been carrying the torch for trenchers over the past thirty years. With the growing awareness amongst contractors and users alike of the cost-effectiveness that narrow trenches dug at high speed brings, Bourgeins are planning a full line-up of working trenchers at both GMA and IOG Shows.

As manufacturers, they will show their new long track TF700 sportsfield drainage trencher and as Southern UK dealer for J.I. Case both pedestrian controlled and large trenchers/mole plows will be working.

As local Case Light Equipment Dealer for parts of Oxon, Berks and Bucks a full display of Uniloader Skidsteers and Vibromax Compaction Equipment can be seen. Experts from the Bourgein Sales Team look forward to seeing you.

NEW GOLF GREENS MOWER FROM ALLETT

THE ALLETT Super Shaver is a 20" pedestrian mower designed specifically for golf greens, bowling greens and cricket wickets.

It has an eight blade, high speed cylinder which gives 146 cuts per yard, and precision rollers for absolute accuracy. Height adjustment and cutter adjustment is quick and easy and there are independent clutches for cylinders and roller drive.

Most mowers of this type are fitted with ratchets in the rear roller which means the mower progresses in a zig-zag manner.

Allett have overcome this problem by fitting sprag clutches in each roller which enables the mower to be driven in a perfectly straight line. The Allett Super Shaver is available with a stiff brush attachment and transport wheels.

See them on the AT Oliver & Sons, Stand No. 1019.

ALLEN POWER

EXHIBITED on the Allen stand at the brand new GMA show is the full range of Allen Power Equipment, plus a host of new products for the 1991 season.

A complete line up of petrol and electric mowers 16", 18" and 21" will be their plus Zenoah brushcutters 22cc, 26cc and ever popular Pro 43 the 41cc brushcutter that sets the standard amongst professional users.

The new Allen Garden Groom 18" scarifier fitted with a 3.5Hp Kawasaki engine and collection facility will make its debut to professional users at the GMA.

The range of National Triple Mowers will be shown, the 68", 84" and 84" PTO Gang Mower, the 28" Allen Champion is displayed along with the new range of Scavenger Vac Sweeps in widths of 21", 27" and the new 27" self propelled.

Goblin Shredders, Allen Tillers all will be there along with some other brand new machines that are yet to be finalised in time for the GMA.

AGRIA (UK) LTD 1444

AGRIA (UK) Ltd offers local authorities and commercial users a comprehensive range of equipment for turfcare, grounds maintenance and horticultural use.

On show at Kempton will be Agria (UK) Ltd's complete range of ride-on triple mowers including the 8300 with a choice of front-mounted rotary, flail and cylinder mowers. Double blade cutter, band rake, front disc cutter, sweeper and winter service attachments are also available on this multi-purpose system.

The 9300 Triple Mower has variable working widths of 216cm, 159cm, 91cm and 76cm and will cut up to 5 acres per hour. The fully hydraulic system has separate hydraulic lift for each cylinder with cutting height from 20-60mm. Short wheelbase and rear axle steering enable the machine to be used on any terrain, with independent differential look for use on slopes. Power is provided by a low pollution water-cooled diesel engine.

Agria's reciprocating mowers have a selection of interchangeable attachments. Rotary or flail mowers, mulcher, 2-speed sweeper, broadcaster, snow blade and thrower can be added to the 5500K 2 or 4 stroke model.

Attachments on the Universal 2-wheel Tractor 3400K include cutterbar, cylinder and flail mowers; mulchers transporter and broadcaster with traction drive.

The new Agria 5200 V5R self-propelled Verticutter is

designed for commercial use. Powered by a 5hp Briggs & Stratton engine the 50cm cutter spindle counter rotates removing thatch and fibrous layers of lawn debris.

WESSEX PEAT CO LTD

WESSEX Cocopeat* is a 100% renewable resource, with all the characteristics of a high quality peat moss, thereby making it the perfect alternative for peat, so helping to save the world's ever diminishing resources.

Not only is it a natural alternative to peat but, as it is made completely from coconut husks, it contains several of its own unique characteristics.

Unlike traditional peat, Wessex Cocopeat* has a unique sponge-like structure which will retain larger quantities of water, nutrients and oxygen (AFP), thereby improving aeration. This also results in less leaching, thereby reducing the amount of additional feeding and also has the advantage of being 100% weed free, with an ideal pH of 5.

Due to its naturally high AFP, another major saving in both material and labour in using Wessex Cocopeat* over traditional peat is that there is no need to add perlite and bark etc.

More than just being a peat alternative; with all its added benefits one would expect to pay a premium for Wessex Cocopeat* but, in fact, it is competitively priced against a good quality sphagnum peat moss.

Continued on page 39

SISIS AT GMA

SISIS Equipment will be displaying a selection of their world renowned range of sportsground maintenance machinery at the GMA show in September.

Of particular interest will be the power force range of pto operated equipment for use with the SISIS Hydromain Twin 25 and suitable Compact Tractors. This range includes the Varicore aerator; Powaspred top dresser; twin-unit Rotorake; Litamina sweeper; Contra-Seeder seeder; Powaspray sprayer.

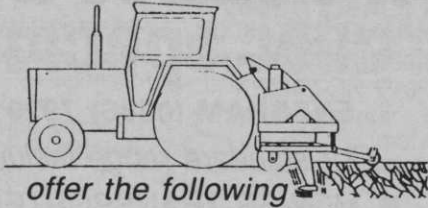
Also on show will be the new Fibamo 40 with 40cm (15ins) working width which supersedes the 12in Fibamo. After test marketing in France this new model is now released in the UK and has been well received by a number of retail outlets.



The SISIS Varicore.

43

Aeration & Drainage Services



offer the following

1. AERATION

Verti Drain hire/Twose Turf Conditioner & Robin Dagger - we are, at present running 4 Verti Drains (various sizes) and can offer tine sizes from 1/2" diameter by 12" long at 2 inch centres, up to 1" diameter by 16" long at 4 inch centres. Also available, Hollow tines. Therefore we can cater for any Verti Draining need such as Greens, Tees and Fairways, etc.

Twose - this machine operates by way of seven vibrating blades which are pulled through the ground in a similar fashion to small mole ploughs, therefore relieving compaction and improving surface drainage.

Robin Dagger - This very light and portable machine injects oxygen into the soil and around the roots.

2. DRAINAGE/SANDSLITTING

Wizz Wheel Trencher + Backfill sand/gravel hopper this is to be available on a weekly rate (min. hire 3 days) should you just require trenches excavated to be backfilled by yourselves, or, quotations can be submitted for complete sand slitting/drainage programmes including 'Hitek' stripdrain.

3. CONSTRUCTION/ALTERATION

Should you find the work load too great on your own greenstaff regarding construction/alterations of greens tees and bunkers, etc., we would be pleased to submit a quotation for such projects.

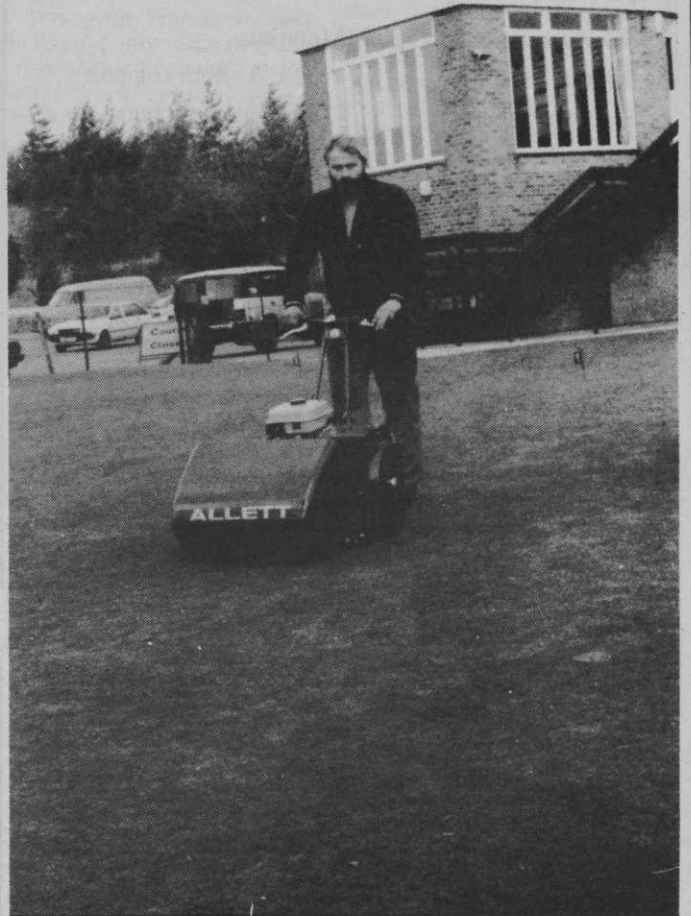
**Paul Wright, Aeration & Drainage Services,
20 Westminster Close, Eastbourne,
Sussex BN22 0LQ**

Tel: Eastbourne (0323) 506725

Mobile: (0860) 838241. Fax: (0323) 411980

ALLETT MOWERS LTD

See us on the A. T. Oliver & Sons
Stand No. 1019 at the GMA



THE PROFESSIONAL GOLFING MOWER

Ideal for Bunkers and Steep Banks



See us on Stand
1526 at the GMA

The Nikken Knapsack fitted with the Hover safety hood is the ideal solution. The engine and sensitive mechanical parts are not in contact with flying sand.

In addition the machine can be used for scrub clearance, hedge trimming, strimming and pruning.

Nikken leads the field for freedom of movement and safe operation.

Send to G&C Trading, Unit 4, Graham Potter Estate, Beech Avenue, Swindon, Wiltshire SN2 1JY

**SALES OFFICE 0462 700547
or 0793 513214**

A CLOSE SHAVE

If you're looking for a fine cut mower for golf greens, bowling greens or cricket wickets, then you need look no further than the Allet Super Shaver. The Super Shaver can cut to within 1/16" and give a superb finish with 146 cuts per yard. All rollers are ground for absolute precision and the mower is powered by a Robin engine, which runs on lead free petrol.

For further details please contact:

ALLETT MOWERS LTD

UNIT 60, BIRKITT ROAD, EARLSTREES INDUSTRIAL
ESTATE, CORBY, NORTHANTS, NN17 2DT.
TEL: CORBY (0536) 68950. FAX: (0536) 201856.

wessex peat co ltd



Suppliers and manufacturers of high quality, competitively priced, growing mediums, sports top dressings, root zone mixes and materials for golf course construction throughout the UK and Europe.

The Wessex Peat Group is also the sole supplier of Wessex Cocopeat* and Cococompost* - the truly unique natural alternatives to moss and sedge peat and peat-based composts.

Sports and Landscaping Materials

Fineturf dressings	Tree & shrub compost
Sportsfield dressings	Multipurpose compost
Top soils	Irish sphagnum peat moss
Screened & sterilised soils	Speciality sands
Cricket loam	Bark (all grades)
Tennis loam	Peats (all grades)

*ALL DRESSINGS, BARK, LOAMS & PEATS
AVAILABLE LOOSE OR BAGGED*

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STAND No. 2404

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Our standard range includes:

- MOWER TRANSPORTERS ●
- MINI TRACTOR ●
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- MINI EXCAVATORS ●
- PLANT TRANSPORTERS ●
- LIGHT VEHICLE TRANSPORTERS ●

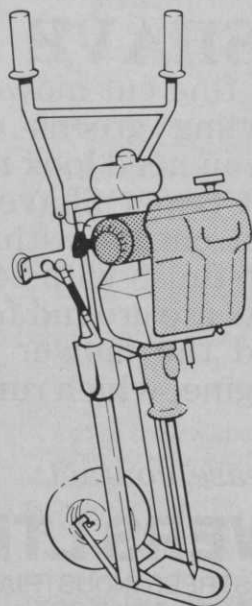
★ Specials a Speciality ★

A BRITISH FAMILY COMPANY
SPECIALISING IN THE DESIGN AND
MANUFACTURE OF TRAILERS FOR
LOCAL AUTHORITIES AND PUBLIC
UTILITIES

HAZELWOOD ENGINEERING CO. LTD.
Bishampton Road, Rous Lench,
near Evesham, Worcs. WR11 4UN
See us on Stand 1087 at the GMA Show

SOIL COMPACTION?

*The Robin Dagger will relieve
compaction and improve
drainage without surface damage.*



- Creates a permeable substructure
- Injects oxygen into the soil and around roots
- Encourages plant roots to spread both outward and downward
- Loosening of soil allows more efficient absorption of fertilisers
- The Dagger is both light and portable

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DOLMAR** SACHS-DOLMAR (UK) Ltd.
SACHS-DOLMAR House, Clare Street, Denton,
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Please send me more information on the Robin Dagger.

Name

Company

Address

Stand 1209 at the GMA Show

ONE OF BRITAIN'S TRENCHER
MANUFACTURERS HAS
SOMETHING TO SHOW YOU:



- 50hp air-cooled Lister diesel ● Laser depth control ● High discharge conveyor ● 100mm-1,000mm depth ● 100mm, 150mm, 200mm widths ● Only four grease nipples ● Hydrostatic track drive ● Deep heat-treated track rollers ● Sand-slitting Oxford Wheel, 50mm widths up to 400mm depth, gives front-mounted tough ground ability ●

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South Hinksey, Oxford. OX1 5AZ.

BOURGEIN

Tel: (0865) 735420
Fax: (0865) 326155

Continued from page 36

Other professional products available in the Wessex range: Screened Soils - Sportsturf Dressings; Landscaping Materials; Growing Mediums; Tree Planting Compost; Bark; Sands and Grits.

A.N.T. HOLDINGS NIM-WIMAG

NIM-WIMAG will be exhibiting at the GMA Show, Kempton Park, for the first time this year, showing their robust RIDE-ON ROLLER. They have been highly successful with this piece of equipment on the continent and are the sole UK supplier.

The roller which is used for maintaining parks and leisure ground facilities has the smallest possible turning circle for its size, due to its integral split drum design. Operator comfort is assured with a seat that has been turned 90 degrees towards the driving direction, ensuring that forward and reverse movement can be achieved without a change of seat position.

The joystick control means that an infinitely variable speed of up to 60 metres per minute can be achieved in either direction from a maintenance free hydrostatic drive. The rollers dimensions are as follows: length 1600mm, width 1070mm, height 1200mm and weight - empty 330kg, loaded 535kg.

Nim-Wimag are also part of a national engineering company who specialise in a wide range of winch and lifting equipment for the Civil Engineering, Mining and Off-shore Industries. For further information contact Newcastle (091) 262 4730 or see us at stand 1047 at the GMA Show.

AEBI TERRATRACS

AEBI Terratracs were introduced in Britain four years ago. There are a lot of machines working in City Councils, Metropolitan Borough Councils, Water Authorities, Internal Drainage Boards and for private contractors.

With the low ground pressure tyres, the machine will work on any soil conditions and in any weather conditions, without leaving any marks.

Standard four wheel drive, again to reduce damage of turf and increase pulling power.

With the low centre of gravity and wide wheel base, the machine is capable of work on steep banks, where ordinary tractors fail.

With the standard three point

GREAT DEALS AT SACHS-DOLMAR (UK) STAND DURING GMA KEMPTON PARK

SACHS-Dolmar (UK)'s constantly increasing range of outdoor power equipment will be displayed at their Stand number 1209 during the 1990 IOG Sports and Leisure Exhibition at Peterborough.

From Sachs-Dolmar, twelve engineered models of chainsaws covering all needs from the casual user to the professional will be displayed, with the new Model 115i Safir making its first appearance. The patented injection-type carburettor which eliminates the problems caused on many makes of saws by lead free and synthetic fuels, is now featured on four Sachs-Dolmar chainsaws.

Also from Sachs-Dolmar is the Disc Cutter Model 309 Extra, a modified and improved version of the very popular machine, now available with the new dust suppression system. Incorporating a very effective anti-vibration system, the 309 together with all Sachs-Dolmar engines can use either lead free or leaded fuel.

The new rugged brushcutter range from Sachs-Dolmar has a 21cc engine and is available with a choice of handle and

shaft to suit a variety of cutting needs. Also at the Stand will be the Sachs-Dolmar HR-100 power washer that was introduced last year.

Already on show at IOG for the first time, are the eleven Sachs-Dolmar (UK) rotary lawnmowers in two ranges, the 'Premier' and the 'Standard'. The 'Standard' range has the very low cost electric Ondaverdi 14" and three Briggs & Stratton powered 19" versions.

The seven 'Premier' models all have a very efficient blade brake and are powered by the world renowned Kawasaki VX 4-stroke 4.5 h.p. engine. Designed to cut wet or dry lawns down to 4mm, they are available in 19" or 21" blade models and with power drive and electric start. As sole Robin UK concessionaires, Sachs-Dolmar (UK) will display the full range of eight brushcutters spanning from the 16cc Model NBF 171 to the professional 50.7cc Model NB 50L and including the new 34cc Model NB 351, a rugged straight shaft double handled professional machine. All are supplied complete with full harness, safety goggles, toolkit and instructions.

The revolutionary Robin Dagger Soil Ameliorator will be displayed for the first time in its Mk2 form. The CB 412 Dag-

ger is a much modified version of the machine which was introduced two years ago and has been a resounding success at dealing with soil compaction problems.

Dagger Mk2 now has two wheels which eases transportation and distributes its weight more evenly on the ground, a new air filtration system and general strengthening of the frame and lift system. Demonstrations of this compact, easily operated machine will be frequently carried out at the Show.

Also on show from Robin is the Hedgetrimmer range with the new 23" blade double action double sided Model HT 200L, and the Robin Blower which has a blow rate of 7.7 cubic metres per minute.

The Sachs-Dolmar (UK) family of portable generators and welder-generators will be displayed. Generators range from 2 to 4 kVA with a selection of engines, and the welder-generators have a choice of power outputs and a Honda or Briggs & Stratton engine.

Displayed on Stand J14 to 16 will be examples of Sachs-Dolmar (UK)'s considerable holdings of spares, accessories and ancillary equipment. The popular range of workwear and safety clothing will also be shown.

HAZLEWOOD TRAILER SPECIALISTS

HAZLEWOOD Trailer Specialists will be exhibiting a selection of their range of galvanized trailers specially designed for the transportation of mowers and other horticultural equipment.

The family-owned British company has continually developed their products over the past ten years to accommodate the ever changing requirements of the industry.

Both present and new customers are invited to visit our stand for a chat with a member of the family.

Stand No. 1087.

GIBBS OF BEDFONT AND RIPLEY

GIBBS of Bedfont and Ripley plan to exhibit Kubota tractors and attachments and sportsground, golf course and horticulture at the GMA Show.

Also on display will be the Case International Tractor for sportsground and highway and a representative selection of Ransomes, Cushman and Ryan, Hayter and Turner grass maintenance machines.

Read Greenkeeping Management for the best features

linkage and PTO at the front and rear this tractor is very versatile with various grasscutting implements at the front, and landscaping equipment at the rear. In certain cases the machine is capable of doing two jobs at once.

The build quality is of a high standard and therefore the machine is very reliable.

There are three models in the AEBI range:

TT88 - with hydraulic drive its ideal applications are endless as infinite ground speeds may be selected at any engine rpm.

(engine Mercedes 60hp).

TT80 - a newly developed machine based on the successful TT77, with 8 gears forward and reverse and the option of an additional four crawler gears. A very operator friendly machine with the latest techniques used for operator comfort. (engine Kubota 50hp).

TT33 - the smallest machine in the range, lightweight, ideal for grass cutting and other light work, superb on banks. (engine Kubota 30hp).

Our stand number: 1185.

TURF MACHINERY HIRE

Bantam Self-Propelled Turf Cutter

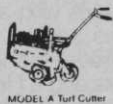


The Ideal Turf Cutter For:

Nurseries
Landscapers
Building Contractors
Schools and Universities
Athletic Fields
Golf Courses
Park and Recreation Centres

Combines all the features you need to cut in all turf conditions

ORIGINATORS OF SPECIALIZED TURF CARE EQUIPMENT



TURFCO

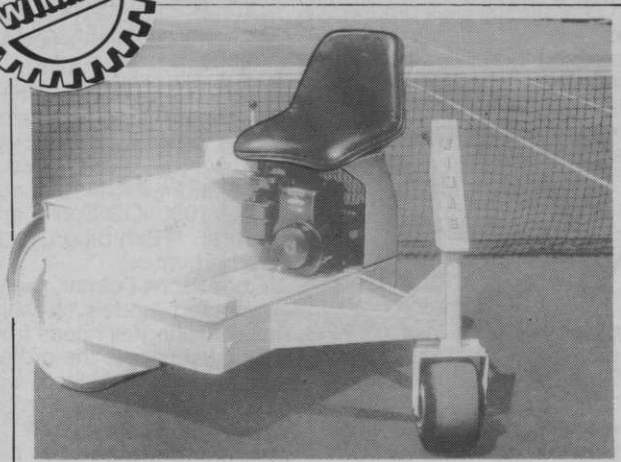
SEE US ON STANDS
2452 AND D45
AT THE G.M.A.



Gerald and Trevor Brooks
Woking GU21 4YA
Tel: (0483) 764467
Fax: (0483) 767928



Ride on Roller



— see us on stand 1047 at the GMA —

Ride on roller for all ground maintenance needs suitable for tennis courts, athletic fields, cycling and hiking trails, landscape gardening, etc.

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- smallest possible turning circle ●
- maintenance free hydrostatic drive ●
- easy to operate by everyone ●

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AEBI TERRATRACS

THE ULTIMATE GROUND CARE MACHINE

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Stand 1185
at the GMA



The AEBI Terratracs are extremely versatile implement carriers with three point linkage and PTO at the front and rear of the machine. Therefore the AEBI terratracs can be equipped with a whole variety of grasscutting and landscaping implements.

The AEBI's are fitted with low ground pressure tyres and this in combination with the wide wheel base and low centre of gravity and the low weight enables the machine to work under all ground conditions, and is still capable of working on banks where others fail.

For further details please contact your nearest dealer or

Inter-Drain (England) Ltd

Holland Hill, Low Road, North Wheatley, Retford, Notts DN22 9DS
Tel. (0427) 880000. Fax. 0427 881024

PRODUCT FOCUS

AQUACELL

PAUL and Harry Wright from the South of England, both very keen amateur golfers with Paul being an ex head greenkeeper, have designed and developed a new irrigation system for repairing and preventing one of the Greenkeeper's biggest problems namely dry compacted areas on greens.

Greens are not flat and it is on the slopes and undulations where most dry areas occur. Most of the water placed on these areas runs away without sufficient being absorbed to ensure healthy growth. Watering for prolonged periods to try and alleviate this problem results in overwatering of lower areas.

Paul and Harry approached this problem by trying to develop some way of holding water on the dry areas long enough to be absorbed into the ground and also prevent over watering of the lower areas. With this in mind, they developed a cellular system of irrigation using cells which clip together to form approximately one square metre of mat which can then be layed on the problem areas.

The bottom of each cell has a number of small holes which allows a small but continuous flow of water on to the ground and the base of the cell walls hold the water in place until absorbed into the ground.

The cells are made of a translucent material which when left in place, for example after seeding, allows sunlight and air to pass through, thus having a greenhouse effect and therefore stimulating early germination and establishment.

Regular use of the Aquacell system has several cost effective features. It permits controlled watering on selected areas only which cuts down on water consumption overall and can also be used very early and very late in the season when total watering of greens is not advisable.

It is very easy to use and non labour intensive. Aquacell will also allow more efficient use of wetting agents where required as wetting agent can be introduced at the same time as watering.

Some prototype cells were left with Jack McMillan for evaluation while he was Head Greenkeeper at Sunningdale Golf Club prior to taking up his new career as consultant.



The lightweight Nomix Compact – each chemical cartridge contains enough herbicide to spray for 3 miles.

NEW SPRAY SYSTEM AT LANDSCAPE INDUSTRIES EVENT

BRISTOL based Nomix Manufacturing has launched a new spray lance that will make weed control a much safer and easier operation.

Consisting of a lightweight, very accurate system that gives total control over spray droplet sizing, the Nomix Compact overcomes all the problems associated with traditional knapsack spraying.

The key design feature is a ready-to-use 750ml chemical cartridge that simply snaps into the end of the lance, removing the need for a backpack and clumsy connecting hoses.

Inside the robust, leak-free, re-sealable cartridge is a mem-

brane which collapses as the chemical is used up.

Nomix has pioneered the development of a Total Droplet Control system which uses a specially designed spinning disc to meter out herbicides properly formulated in oils, polymers and surfactants thus ensuring that the product stays on the weed target with no drift.

"The Compact is a simple extension of the Nomix TDC system making low-cost spraying even easier," says company chairman, David Gill. "It will help operators halve the time normally taken to spray areas using traditional knapsacks."

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QUANTUM GREEN THE ULTIMATE IN TURF NUTRITION

GREENKEEPERS and groundsman are over the moon with Maxwell Hart's Quantum Green.

Following the successful launch of Quantum Green, containing slow release Didin in the spring of 1990, exceptional results have been found by its users on all fine turf areas.

Quantum Green was developed to meet the needs

of today's turf, giving a balance nutrient ratio and an organic base to reduce the risk of scorch, and to compound a true fertiliser containing Didin.

Didin slows down the Nitrification process by inhibiting the growth of Nitrosomonas Bacteria.

By the incorporation of Didin in Quantum Green, the life of Nitrogen in Ammonium form is prolonged.

15

RISKS ELIMINATED IN A GUARDIAN STORE

SAFE and secure storage of hazardous substances in a Guardian store from Portastor High Security Products eliminates risks in three ways.

Guardian buildings and vaults safeguard toxic, flammable and corrosive substances at the workplace, protect people from possible harm and protect businesses against possible prosecution under the latest COSHH (Control of Substances Hazardous to Health) regulations.

Hazardous substances are ubiquitous and perception of their potential dangers is mounting. Even short term workplace storage of small quantities of everyday hazardous materials – paint, solvents, chemical additives, drugs and weed killers are just a few of many typical examples – can represent a risk to health and the environment and is now a potential source of substantial legal and financial penalties.

The rigorous new COSHH regulations are comprehensive regarding use of hazardous substances at work, including their secure storage, and are now in force. Prosecutions for COSHH infringements will soon be starting so speed is essential for the many smaller and non-specialist organisations who have not yet safeguarded their hazardous materials.

Guardians hazardous materials stores will almost certainly provide the cost effective answer to the problem.

Well proven, all steel Guardian stores have been specially developed to meet all relevant Health and Safety regulations for secure storage and are widely specified throughout the industry and the public sector. They are available in a wide range of sizes from the chest freezer-sized Chemvault unit to walk-in buildings capable of containing large quantities of materials.

Specifications depend on the nature of the substances to be stored. Options include high and low level wall vents, full 60 minute fire resistance, meshed floors with liquid spillage trays below and flameproof lighting, among the most frequently specified.

Guardian buildings and vaults protect the environment from hazardous substances.

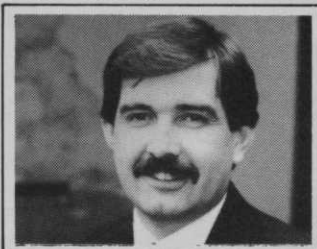
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EDUCATION

BIGGA APPOINT REGIONAL EDUCATION CHAIRMEN

THE Regional Education Chairmen will liaise with the Education Officer, David Golding.



The following nominated members will liaise closely with the colleges within their Region and act where requested as external assessors. Any members with queries regarding their Education should in the first instance contact Headquarters and speak to David. The Regional Chairmen are selected to help the colleges through Liaison Meetings being held and the Greenkeepers viewpoint being expressed through these Chairmen.

Many of the colleges have very active liaison committees and the greenkeeping lecturers are very grateful for the assistance of leading greenkeepers in their area, together with representatives from the county unions and industry.

KUBOTA CONTINUES TO SUPPORT GREENKEEPING

KUBOTA (UK) Limited, have again contributed £5,000 towards the training of golf course managers and head greenkeepers.

Organised by BIGGA the management courses have been specifically designed to meet the needs of both groups.

Also supported by the Greenkeepers' Training Committee, the four week courses will cover a variety of subject areas including the management of golf greens, tees, fairways and bunkers, together

Scottish Region
Mr Cecil George
4 Alexandria Road
Lenzie
Kirkintilloch
GLASGOW
G66 5BB
Telephone: 041 776 7609

Northern Region
Mr Alan Gamble
94 Harlow Crescent
HARROGATE
North Yorkshire
Telephone: 0423 500458

Midlands Region
Mr Dean Cleaver
3 Riddell Close
ALCESTER
Warwickshire
B94 6QP
Telephone: 0789 762012

South-West Region
Mr Gordon Child
Archways
Churston Road
CHURSTON FERRERS
South Devon
Telephone: 0803 844056

South-East Region
Mr John Millen
2 Boyton Court Cottages
Sutton Valence
MAIDSTONE
Kent
ME17 3EG
Telephone: 0622 843383

Ireland
To be nominated

Colleges Within the Region
Elmwood College, Cupar, Fife
Oatridge College, Broxburn,
Edinburgh
Langside College, Rutherglen,
Glasgow

Colleges Within the Region
Askham Bryan College, York
Cheshire College of Agriculture,
Nantwich
Lancashire College, Bilsborrow,
Preston

Colleges Within the Region
Warwickshire College, Moreton
Morrell, Warwickshire
Welsh College of Horticulture,
Northop, Mold, Clwyd, CH7 6AA

Colleges Within the Region
Cannington College, Cannington,
Somerset
Sparsholt College, Sparsholt,
Winchester

Colleges Within the Region
Oaklands College, St Albans,
Herts
Plumpton College, Plumpton,
Lewes, East Sussex

College
The Botanic Gardens, Dublin

with computing for the course manager, budgeting and accountancy, health and safety, conservation, pesticide management and turf diseases.

Mr Brian Hurlley, Vice President-Director, Kubota (UK) Ltd, said: "Once again I am delighted to be able to continue our support for BIGGA's second series of management courses".

David Golding, BIGGA's Education Officer said: "The first series of management courses, attended by over 100 course managers and greenkeepers last year, proved extremely successful. Kubota's continued generous

funding will allow us to further develop and enhance our education programme".

The courses will be held dur-

Thanks for the thanks

Dear Sir,
I am now placed at Fernfell Golf Club in Cranleigh, Surrey thanks to an advert in Greenkeeping Management I am settling in very well and am really pleased to be back in Greenkeeping again.

I hope you will find my name cropping up in some of your features in the future and I look forward to a bright prospective career.

Once again, I thank Greenkeeping Management most sincerely for your help and advice in my getting a job and I hope that I may be able to show my gratitude by supporting and help in the promotion of BIGGA and GREENKEEPING.

Thanks again.

N.P. BECKFORD

● *Editors note . . . the power of Greenkeeping Management in action!*

ing October/November 1990, at the Aldwark Manor Hotel Golf and Country Club, Aldwark, Aline, York.



LANGSIDE COLLEGE

SPORTSTURF -F.T. 3 yr DR & evenings

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

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

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



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Phase II Golf Greenkeeping	Block Release
Phase III Golf Greenkeeping	Day Release
	& Block Release
Horticultural Machinery C&G 395	Day Release
	& Block Release

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Contact: Dennis Mortram, Cheshire College of Agriculture, Reaseheath, Nantwich, Cheshire, CW5 6DF. Tel: (0270) 625131

Want to know about Greenkeeper Training?

Askham Bryan College can set your Career on the right course. We have been training Greenkeepers for many years and are a Centre approved by the Greenkeepers Training Committee.

Telephone Mrs Margaret Cairns on 0904 702121 and benefit from our experience.



... Ask Askham!

ASKHAM BRYAN COLLEGE

ASKHAM BRYAN, YORK. Tel: (0904) 702121

Get on course to manage even better

BIGGA has long recognised the need for professional greenkeeper training. The Association realises that if the professional is to gain a higher standing both in this country and abroad then members need to have the resources available to acquire a broad spectrum of knowledge about their chosen job.

Under the skilled leadership of BIGGA's Education Officer David Golding many greenkeepers have already had the benefit of attending a management course at BIGGA Headquarters in Aldwark Manor, near York.

The feedback has been tremendous prompting this year's series of courses in October to be arranged together with the generous funding of KUBOTA (UK) Ltd.

BIGGA envisage a tremendous response and it is vital that anyone wishing to attend the courses should contact David on (04373) 581/582 as soon as possible.

Such initiatives are merely the beginning. The Association is looking to the future and planning in a big way.

Future editions of Greenkeeping Management will keep you up to date with new education initiatives. This month's issue has a reader reply card for anyone wishing to attend October's courses. Simply fill it in, tear it off and post it off together with the appropriate fee. Next month's magazine will also contain information about the 13 finalists for the TORO Greenkeeper of the Year Award, don't miss it.

ISEKI GOLF GOES TO IRELAND

THE 1990 Iseki Greenkeepers Golf Championship got under way in pasture's new, when the series visited Ireland for the first time.

Some sixty greenkeepers from Northern Ireland and Eire associations played over the beautiful Forrest Little Golf Club, just north of Dublin, a parkland course under the expert care of Owen O'Connor and his staff. His expertise was complimented by every player.

The Forrest Little Course is situated just to the North of Dublin Airport, and indeed on the 8th tee, it's no exaggeration to say aircraft landing at the airport are only some 50ft off the ground. Bringing a new meaning and dimension to your golf shot.

Some fine scores were recorded in each of the three categories and it's no understatement to say the Irish team who visit the Iseki Golf Greenkeepers final at Moortown on September 12th, 1990, will be a force to be reckoned with.

Two brothers dominated category one for the golfers with a handicap from 0-9 including with Frank Byrne recording a 69 nett ahead of his brother Gerry, who recorded a net of 71. Tom Mchugh recorded a 73 nett to book his place to the Moortown finals.

In category two an excellent score of 69 nett was recorded by John Spiers, ahead of Terrance Crawford and David Malom.

Prizes were presented by Peter Powell, the Irish Sales Manager for Iseki whilst BIGGA were represented by Executive Director Neil Thomas and Education Officer David Golding.

Thanks must go to Chris Nolan, Secretary of the Irish Golf Greenkeepers Association.

BIGGA's management courses are the ideal way for you the greenkeeper to broaden your knowledge and futher your careers. Don't delay enrol today!

MANAGEMENT COURSES - WEEK 4

This will be an advanced week for those members who have already attended one of BIGGA's in-house courses.

Subjects to be covered during the week will include: Report writing, self awareness, team building, stress, public speaking, also the STRI will again be presenting papers.

BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION MANAGEMENT COURSES FOR COURSE MANAGERS/FIRST ASSISTANTS

Week 1 (October 22nd - 26th). Week 2 (October 29th - November 2nd). Week 3 (November 5th - 9th)

Day	9.00 a.m. - 12.00 noon	1.30 p.m. - 5.00 p.m.	6.30 p.m. - 9.00 p.m.
MONDAY	Delegates arrive for Registration Lunch at noon	'Using Your Time Better' Roy Brighton Time Manager International	Introduction to the Computer 'Trims' Fred Robinson
TUESDAY	Computers - continued	'Grasses for the Golf Course' Sports Turf Research Institute Staff	Personal Awareness John Middleton Askham Bryan College
WEDNESDAY	Conservation - A Management Plan for your Golf Course Anne-Marie Brennan	Problems Associated with the Maintenance of Tees, Surrounds, Fairways and Bunkers Sports Turf Research Institute Staff	Communication Skills Nick Bisset Askham Bryan College
THURSDAY	Health and Safety at Work Act HM Agricultural Inspectorate Graham Oddy	Problems Associated with the Maintenance of Greens Sports Turf Research Institute Staff	Formulating a Golf Course Budget Bruce Cox Askham Bryan College
FRIDAY	Management of Pesticides Turf Diseases Neil Baldwin Sports Turf Research Institute	Following Lunch - Depart	

Coffee Break 10.20 a.m. Lunch 12.00 noon Evening Meal
24 DELEGATES PER WEEK

Unrelenting time in store for all

GORSE, gorse, and yet more gorse is in store for BIGGA members when they encounter the formidable Ganton course – hosting their national tournament in August.

The unrelenting Yorkshire challenge that is Ganton is bound to bring out the grit in every competitor.

For besides the awe inspiring gorse, Ganton also "boasts" 111 bunkers, dotted menacingly around its heathland vista lying in wait to catch the wayward shot of the unwary greenkeeper golfer.

Head greenkeeper David Spurden and his four staff have their work cut out with this 6,900 yard course.

Its difficulty can be gauged in the fact that its regulation par 72 has an added stroke given to it for difficulty – one to bear in mind when the national tournament begins.

Fairways are narrow and there are a lot of semi-blind shots to play. Ganton may well prove a Waterloo for the 80 odd greenkeepers brave enough to tee off.

In his seven years at Ganton, David has learned how to master the maintenance of the course and among other things now has the reputation as an expert mole catcher – a necessary skill when one sees the damage they do on surrounding land.

In common with many of the greenkeepers, David has been hampered in his preparations this year by the early spring drought which has left several fairways distressed and subject to burning. He has counteracted the worst of the dry weather by applying wetting agents and quadratining.

And in order to avoid the danger of cutting too low, greenkeeping staff have been double cutting using two Toro's in sequence. It is surprising just how much the second machine picks up despite the fact they both have their blades set at the same height!

As the late great Henry Cotton once said of Ganton, "The bunkers are receptive, the greens are not." One thing is for certain, they are firm and true and a real test for the approach shot.

As with many private courses around the country, David is constantly working with his committee to avoid the worst excesses of that common phenomenon, overplaying. Judging from my guided tour of the course under the kind auspices of the club secretary, Air Vice Marshal R.G. Price CB, David and his hard-working team of one first assistant and three assistants are winning the battle.

Ganton does not suffer from sub-surface compaction, being blessed with quite a free draining soil. However, quadratining is important in order that wetting agents can be introduced into the soil.

The club has a ten-year rolling programme on equipment replacement us-

Greenkeeping Management's editor Mike McClennan reviews Ganton – the course chosen for this year's BIGGA National Tournament.

under par winner of the PGA Championship in 1981.

The last four holes provide a particularly testing finish and the 18th has provided some dramatic twists of fortune in several championships. To quote Robert H.K. Browning "This hole makes a spectacular and nerve-testing finish; many a match has been lost, or card ruined, by three putting this final green".



● *The regal Ganton Golf Club - ready to provide a true test of skill for BIGGA greenkeepers next month.*

ing machines from the major manufacturers, such as Toro and Cushman.

One of the on-going battles David and his team are fighting is to eradicate the remaining meadow grass on the course in favour of fescue bents. In this, as in all matters relating to the course, David has an ongoing and positive dialogue with both his Chairman of Greens and Secretary.

Ganton is not an easy course to manage but my whistlestop tour convinced me that the greenkeepers will have a testing but thoroughly enjoyable national tournament.

For the historians Ganton is of great interest. The club celebrates its centenary in 1991. It was fortunate enough to have the legendary Harry Vardon as its professional, followed by Ted Ray, both of whom won the Open Championship on each side of the Atlantic.

After the Ryder Cup in 1949 the course was tightened up and the 12th hole extended; no other major changes have been made and the full course now measures 6,882 yards. Since the war Ganton has hosted many major championships, both professional and amateur. The wind generally has a significant effect on scoring. Bernard Gallacher was 5 over par in winning the Dunlop Masters in 1975 while Faldo was the 10

Ganton gorse waits for the stray shot

Autumn is approaching!
Thinking of turf maintenance?

Now is the time with Stewarts
range of top dressings and
fertilisers specially formulated
for quality courses

STEWARTS

at the
CENTRE
of turf management

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Dalkeith EH22 4BZ
Tel: 031-663 6617 Fax: 031-663 0651

Stoney Brae, Potterhill
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Tel: 041-884 7525 Fax: 041-884 6252

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E & S Sportsground Contractors
39 Knox Green, Binfield, Bracknell
Berks RG12 5NZ. Tel. (0344) 860690

MOBILE RADIO FOR GREEN KEEPERS

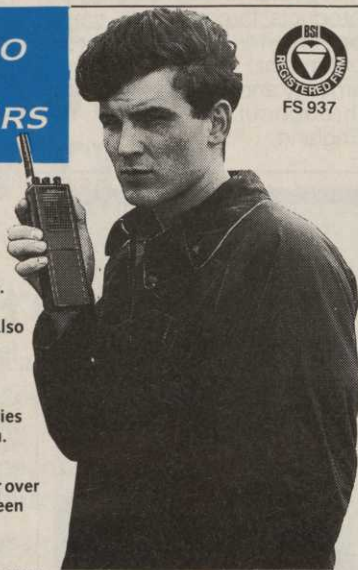
The benefits of mobile radio are probably well known to you.

It can keep you in touch with all your staff whether they are at the club or in town collecting supplies. It can do away with unnecessary journeys around the course. It can also help co-ordinate important club tournaments.

However one of Britain's largest independent mobile radio companies is probably less well known to you.

Zycomm Mobile Radio have been supplying mobile radio systems for over a decade now and have recently been awarded the prestigious British Standard 5750.

So if it's Mobile Radio...Talk to Zycomm



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A comprehensive range of cultivated turf for all sports ground and landscaping requirements.

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IN TOUCH WITH
"THE BEST TURF ON EARTH"

MOVEMENTS & MURMURINGS

AQUISITION OF T PARKER & SONS (TURF MANAGEMENT) LTD AND PARKER MOWER REPAIRS LTD BY THE MOYSES STEVENS GROUP LTD

TWO companies, both very well known in the amenity and sports turf trade, have now combined under one ownership.

The Moyses Stevens Group Ltd, the holding company of Moyses Stevens Ltd, the London florist and Roffey Brothers Ltd of Bournemouth has acquired T Parker & Sons (Turf Management) Ltd and Parker Mower Repairs Ltd of Worcester Park from the Parker family.

Jennifer d'Abo, Chairman of Moyses Stevens has become Chairman of the Parker companies, Mr Jim Parker remains as Managing Director but other members of the Parker family have resigned as directors.

Stephen Billycald, John Wynne-Williams, Charles Lumley-Ellis and Nicholas Wood, Directors of Roffey Brothers, have been appointed Directors of the Parker Companies.

Parker has been a major customer of Roffey Brothers for several years with Roffey supplying most of the Turf Dressings sold by Parker.

The directors of both companies believe that there is great potential for developing

ALEX TAKES A BREAK – AFTER 45 YEARS

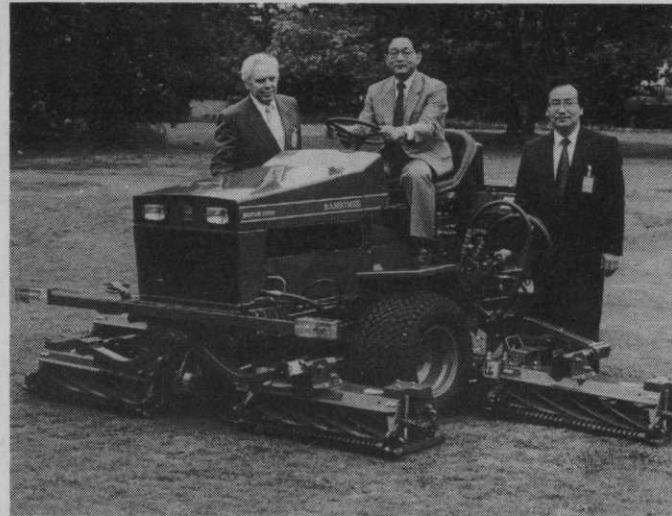
AFTER being involved in the agricultural and grass machinery business since 1945, when he left war-time service with the RAF, Alex Kelly is retiring at the age of 65 from Turner International Ltd. He plans to devote more time to his own garden.

Employed in the Sales and Marketing department at Turner International, Alex was involved with some of the company's key UK customers and dealers, an area where his wide experience of the industry was of great benefit to the company.

"We supply machinery to users throughout the UK and abroad," says Turner's Sales Director Graham Satchwell. "Alex was an important member of the team and he will be sadly missed."

To mark his retirement, Alex was presented with a cheque from Turner International and a car radio cassette by his colleagues.

Alex Kelly, left, says farewell to Turner International's Sales Director Graham Satchwell.



KUBOTA ENGINES MAN VISITS RANSOMES

SEATED at the wheel of a Ransomes Motor 350D is Mr. Yoshiyuki Mizushima, Export Manager, Kubota Engine Division, responsible for worldwide sales.

He flew in specially from Japan for a meeting with top management of Ipswich-based

Ransomes Sims and Jefferies.

Ransomes is one of Kubota's main engine customers in the UK and the purpose of the visit was to discuss future co-operation and working relationships.

Also pictured are Kubota's General Sales Manager Mr. John Cook and Mr. Eizo Kato (right), Kubota's Chief Engineer for UK Applications.

together the supply of fertilizers, chemicals, grass-seed, dressings, equipment and machinery to the expanding sports ground, golf course and amenity market.

Roffey and Parker will continue to operate as separate

companies but will work closely together to offer a range of products through both companies to meet the requirements of the growing amenity and sports turf market throughout the South of England.



TURFLAND PROFESSIONAL APPOINTS NEW TERRITORY MANAGER

ROGER Moore has been appointed Territory Manager by Turfland Professional Equipment Limited to lead the company's sales activities in East Anglia, Greater London and South East England.

The position is a new one which has been created by an upturn in sales and diversification of the company's wide range of products.

Turfland distribute a comprehensive range of turf-care equipment into the rapidly expanding sports, leisure and amenity industries.

Products include Brouwer gang mowers, turf cutters, turf harvesters, Vac cleaning system, verticuts and rollers, together with Brillion seeders, the Rotadairon stone-burying machine and, the latest addition to the range, the MPG 2000 turf laying machine.

Roger is a qualified horticulturist and worked five years as head gardener for a local authority before moving into the sales field.

His most recent experience was as a sales representative for a major manufacturer of audio equipment and ancillary products, dealing with retail outlets and distributor networks nationwide.

JACOBSEN NAMES TOM CARTER – VP INTERNATIONAL OPERATIONS

JACOBSEN Textron have recently announced the appointment of Tom Carter as Vice President of International Operations.

He will oversee all of the Company's distribution and sales activities outside North America with direct responsibility for Jacobsen's United Kingdom operations.

His duties will include developing current and future products to meet the needs of international customers. In addition, he will oversee Jacobsen product service operations worldwide.

Tom Carter joined Jacobsen in 1977, most recently serving as Vice President of Strategic Planning.

Following closely the recent appointment of Rene Orban as Managing Director of Jacobsen UK, this new appointment not only highlights the company's intention to become the UK's leading supplier of turf machinery, it also underlines Jacobsen's commitment to Europe.

RECRUITMENT



FLACKWELL HEATH
GOLF CLUB LIMITED

High Wycombe, Bucks.

require an experienced

DEPUTY HEAD GREENKEEPER

Salary negotiable according to
experience.

Modern 3 bedroomed house
available on golf course.

CVs to Secretary,
Flackwell Heath Golf Club
High Wycombe, Bucks. HP10 9PE



WISLEY GOLF CLUB LTD

This Robert Trent Jones Jnr 27 hole golf complex presently under construction at Wisley, near Guildford, Surrey and due for completion by August 1991 invites applications from qualified Greenkeeping Staff to fill the following positions:

First Assistant Greenkeeper Qualified Greenkeepers Assistant Greenkeepers

Favourable employment terms apply but accommodation is not available. Interviews will take place in London in July.

Applications with CV's should be addressed to:

SPORTSFORCE EUROPE LTD
Park Lane, Brook, Godalming,
Surrey, GU8 5LA

BLOXWICH GOLF CLUB

require a

Head Greenkeeper

The successful applicant will be well qualified with considerable experience in all aspects of modern greenkeeping methods, including the maintenance of machinery and irrigation systems.

The ability to lead and motivate the greenkeeping staff is essential.

No accommodation is available. However, salary will not prove to be a barrier in attracting a suitable candidate with the appropriate qualifications and experience.

Applications in writing with full C.V. to:

The Secretary
Bloxwich Golf Club (1988) Ltd
Stafford Road, Bloxwich,
Walsall, West Midlands,
WS3 3PQ



OXLEY PARK GOLF CLUB

urgently require an

Assistant Greenkeeper

Qualifications are desirable but not essential. Salary negotiable.

Applications in writing including CV to:

The Secretary
Oxley Park Golf Club
Bushbury
Wolverhampton WV10 6DE

Urgently required

EXPERIENCED GREENKEEPER

To join golf course construction company in
South of England

Excellent prospects for the right person.
Own car essential. Keenness drive and
enthusiasm are also required. Must be
self-motivated with ability to lead small team.

Contact: Karen Ellison
on 0372 379592

RECRUITMENT

Assistant Head Greenkeeper

Must be experienced in all aspects of greenkeeping. Have mechanical and pesticide knowledge. Qualifications desirable, but the right experience is essential.

The successful candidate must be capable to deputise for the Head Greenkeeper and have the ability to teach and motivate staff.

Salary negotiable depending on experience. No accommodation.

Apply with full C.V. to:
The Secretary
MITCHAM GOLF CLUB
Carshalton Road, Mitcham Junction,
Surrey, CR4 4HN



THE GREENOCK GOLF CLUB

invite applications for position of

COURSE MANAGER

Applicants should have thorough knowledge of modern greenkeeping techniques in particular in relation to moorland turf and wide experience of use and maintenance of machinery, equipment and watering systems. Ability to manage staff and organise and participate in work programmes will be essential.

Greenock Golf Club has 27 holes and has a progressive attitude to conditions of employment and course development.

Salary: £14,000 circa. No accommodation.

Applications in writing with details of age and experience to:

The Secretary,
Greenock Golf Club,
Forsyth Street, Greenock,
Renfrewshire PA16 8RE

WEST MIDDLESEX GOLF CLUB (established 1891)

require a

Head Greenkeeper

Applicants should be suitably experienced in course management and have the ability to motivate staff.

A salary package negotiable to £20,000 is envisaged, which includes as part of salary an excellent 2 bedroom modernised cottage on the course.

Please apply in writing with full c.v. to:
The Secretary/General Manager
West Middlesex Golf Club
Greenford Road, Southall,
Middlesex UB1 3EE



Cleveland Golf Club

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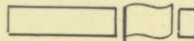
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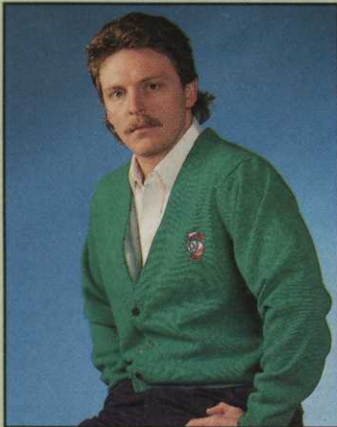
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The Stimpmeter under scrutiny

The USGA claims that once the Stimpmeter is put into widespread use, and the resulting data can be analysed and acted upon, the possibilities for improved playing conditions are endless. As long ago as the mid-70s it developed preliminary green speed charts. These were based on data from tests performed by its own agronomists on some 1500 greens in 36 American States during the 1976 and 1977 playing seasons. Here are their charts:

Speeds for Regular Membership Play		Speeds for Tournament Play
8.6"	Fast	10.6"
7.6"	Medium-Fast	9.6"
6.6"	Medium	8.6"
5.6"	Medium-Slow	7.6"
4.6"	Slow	6.6"

These speeds, the USGA stress, are presented for general information only. It is not the intention of the USGA to attempt to standardise green speeds which should remain up to the membership of each individual club e.g. Augusta National which for the Masters, which is a Club Invitational Tournament, the green speed is determined by the Club and is thought to be between 11" and 12" (the actual speed is not public knowledge!).

Nonetheless this type of information is invaluable and may well influence the green speeds aimed for in USGA-controlled events such as the US Open Championship.

What's the Stimpmeter position in Britain?

Little is heard of the Stimpmeter. We know one Golf Club where the Head Greenkeeper swears by it – George Barr at the Ham Manor Golf Club in Angmering, East Sussex – and we intend to feature George and his experience with the Stimpmeter in our next article in this series.

There is also the East Sussex National course which may use a Stimpmeter because it is reputed to have been chosen by Jill Thornhill, the Curtis Cup Captain, to help her side prepare for the defence of the Cup against the Americans at Somerset Hills, New Jersey, in July. She has been told that East Sussex National's American-style greens (fast and sloping) have the same speed as Somerset Hills!

Otherwise virtually nothing.

Even the authoritative (and welcome) Report of the Greenkeeping Panel of the Royal & Ancient GC ("The Way Forward") only once mentions the Stimpmeter (page 23 – and this is to warn our greenkeepers and their Golf Clubs) not to bow to pressure from tournament professionals to mow to "a pre-determined Stimpmeter reading – irrespective of prevailing rainfall, grass species or long term damage."

Indeed, it is disappointing not to find in this Report more mention of the Stimpmeter. Was it a missed opportunity? This Report would surely have been the ideal opportunity at least to offer an evaluation of the Stimpmeter. In its concern to warn us (and rightly) against an uncritical transplant of the "Augusta image", the Report itself seems to have been guilty of confusing the function of the Stimp-

We conclude John Nelson and Harold Swash's expert analysis of the Stimpmeter's use on both sides of the Atlantic.

meter with the results it can lead to if used uncritically.

The Stimpmeter's function is to measure green speed, and it is the only one known to us at present. Surely therefore it has a role in defining playing quality standards on golf courses (golf greens) – work which the Sports Turf Research Institute (STRI) see as "the most important research work to be undertaken" in improving the quality of our courses (page 20 of "The Way Forward" Report).

If, as is stated in the Report (page 33), we need "year round courses with firm, fast, true greens and firm, mud-free fairways", then surely we need to define what 'fast' means. Does not that mean using the Stimpmeter (at least in the absence of anything better)?

Where do we go from here?

Harold would suggest we need first some facts – a database.

We need to find out who is using the Stimpmeter, where and with what results.

We need to find out the speed of our greens for members' use and for tournaments and per type of course e.g. links,

parkland and so on. Only then would we be in an informed position to evaluate the desirability of setting speed standards for our own greens.

This means the use of the Stimpmeter – the trained use – and who better than greenkeeping staff to be trained to use it – not least in order to persuade and convince them to continue to use the Stimpmeter as "their right arm"

The 'Fudge' Factor

There will be the danger of what Harold has termed the "fudge factor" – the problem of various – unintended or intended – in the length of ball roll, when using the Stimpmeter, produced by "human error". Any two people using the Stimpmeter will handle it differently and might get different results – however slight.

This is one reason why a pattern of up to 8" is accepted by the USGA. In view, however, of what Harold believes are the relatively slower speeds on our greens, he thinks we can live with this problem – at least initially – and that it is more important to get started in training our greenkeepers to use the Stimpmeter and to assemble the database.

But he has foreseen the need to remove "human error" from Stimpmeter readings, and has invented what he has christened a "Stimpmeter Adjustment Bracket". This is fitted to the Stimpmeter and makes its use an automatic one thereby eliminating human error.

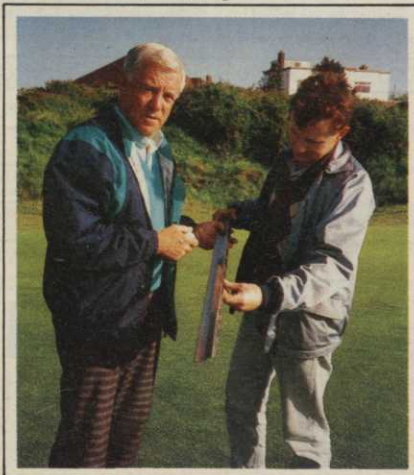
However he feels that its current value lies more with the Augusta's of this world which have already become very proficient in using the Stimpmeter and indeed work to a tolerance of no more than 3" in the pattern of ball roll (on such fast greens and fine grasses, a second ball rolling over the track of the first ball could find the grass still lying down from the roll of the first ball and roll that inch further).

The 1st to adopt the Stimpmeter in Europe

Maybe to have to follow the Americans in discovering the value of the Stimpmeter is not to everyone's liking, but not to be the first in Europe – that really would be unpalatable! Well, Harold noticed that the venue for this year's Peugeot Spanish Open Championship, and Spanish contender to host the Ryder Cup in 1993 – Club de Campo in Madrid – already uses the Stimpmeter.

The day the Championship started (26th April) The Times Newspaper, London, reported:

"Yesterday, before their scheduled double cut, the greens registered 10 on the Stimpmeter, the device used to measure their speed. Today, they should be moving into the Masters region of 11 or 12."



Harold Swash, left, examines his stimpmeter with an assistant.









DO YOU RECOGNIZE THIS PROBLEM?

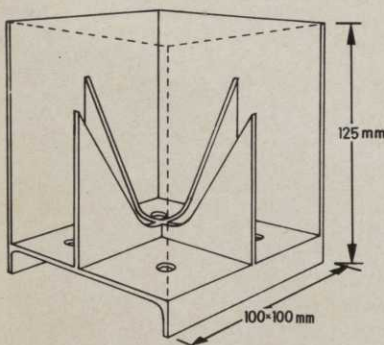
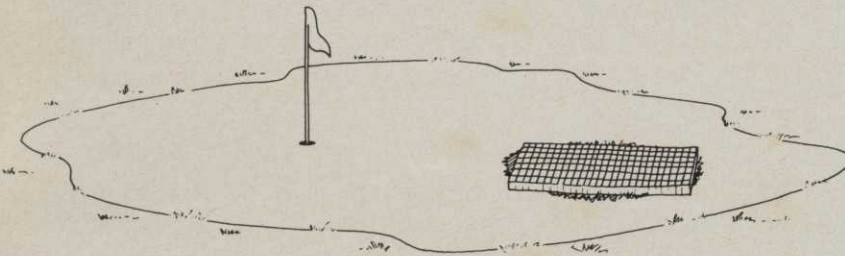


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