

SEPTEMBER 1986

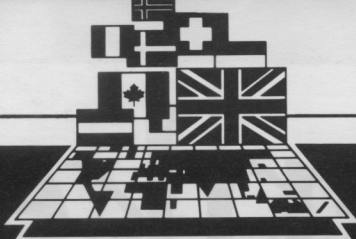
# Greenkeeper



*The Official Magazine of S.I.G.G.A. & E.I.G.G.A.*







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## The Management of British Golf Courses by

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## Golf's modern dilemma

ON a recent visit to Scotland, I had what I suspect must be the classic illustration of 'black and white' golf clubs. On consecutive days in August, a doctor friend and I, both adequate golfers and he a respectable past captain, decided to play Gleneagles and Blairgowrie – the King's and Rosemount courses.

Gleneagles was exceptionally well-presented for the visiting golfer, from locker-room to putting green. The course itself was a joy and, to my delight, the greens were sufficiently fast to induce my opponent to four-putt the first! All the staff we encountered, from starter to steward, greenstaff to waitress, were helpful and polite, non more so than the ranger who appeared astride a Honda three-wheeler on the sixth fairway to encourage a husband and wife from Tokyo to step aside in the cause of speeding up play. It was money well spent.

Rosemount, by contrast, was a great disappointment. I had last played there some 25 years ago and remembered it as 'The Sunningdale of Scotland,' which it isn't now. The course, changed by the addition of a couple of the dullest holes built anywhere, had greens that were slow and bright green. They were so spongy, even in August, that any shot left a pitch mark, a great number of which remained unrepaired. The greens were not good in August, so you wonder what they are like in a wet February.

Our enjoyment was further spoilt by a member in charge of a fourball who, despite two *requests* from the doctor, steadfastly refused to let our twoball through from the fourteenth green to the home hole. Whatever it costs, Blairgowrie overcharges.

I believe that these two incidents are really what golf is all about today and by 'golf' I mean course maintenance and presentation – if it's no fun to play, it's no fun to pay. Those who can pay, will buy the best and those who can't, will be left with the soggy bogs.

Scotland is also in the news on another more important front. SIGGA is the first of the three greenkeeping associations to commit itself to the proposed British and International Golf Greenkeepers' Association (see page 13). Well done, gentlemen! EIGGA is in the process of a postal ballot, the result of which will be announced at a series of branch EGMs on October 1. The BGGA is rumoured to have said yes but, apparently, the association is waiting till after the declaration of the EIGGA result to announce its position.

A previous headline in *Greenkeeper* may have been misleading or misunderstood. 'BIGGA may not necessarily be better' (page 3, July issue) was a statement made to encourage rank and file members of all the associations to ask those charged with the responsibility of discussion and negotiation searching questions regarding BIGGA in order that as many of the wrinkles be ironed out at the start so members cannot say afterwards "I didn't know."

A united greenkeeping fraternity must make sense and, no doubt, BIGGA will be the start, with no loss of the ideals and progress that have characterised SIGGA and EIGGA since their respective splits from the BGGA.

**MICHAEL COFFEY**



**ONE MORNING AT  
OVERPAR GOLF COURSE**

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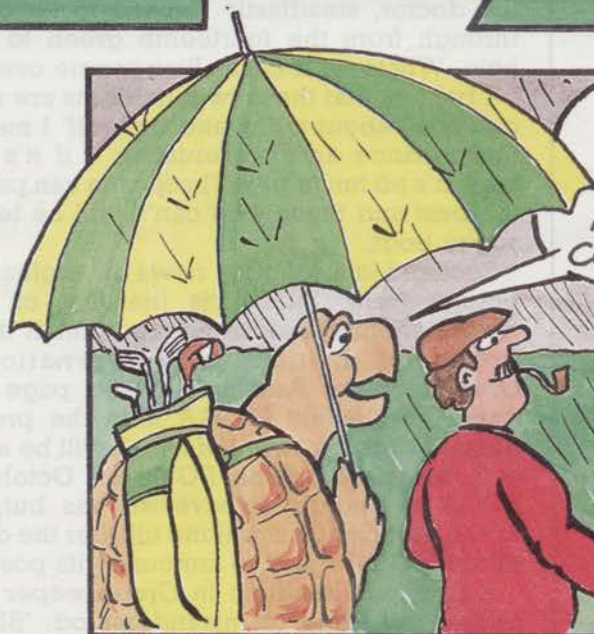


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# BASF



# A RETURN TO HAND MOWING

**By Chris Mardon,  
course manager at  
West Malling GC, Kent**

IT IS well known that the first golf courses relied upon 'nature's greenkeepers,' such as rabbits, sheep and cattle, to maintain grass at a reasonable level. Indeed, the earliest greens were sited on areas inhabited most intensely by animals.

The comparatively recent invention of the cylinder mower heralded a new age. They required brute strength to push and pull and some were so heavy, horse power had to be utilised. Grouped together, cylinder mowers formed gang mowers.

Lighter models came in to cut greens and eventually engines were fitted to drive the cylinders, cuts per yard being dictated by the operator's walking speed. Finally, self-propelled mowers were developed.

The arrival of the Ransomes Overgreen enabled the task of cutting greens to be speeded up and also developed a new mowing pattern of half light and half dark, similar in appearance to fairways mowed with trained gangs. The Overgreen was the first 'triplex' and, having no hydraulics, required great skill by the operator to turn at the ends, which produced a unique mowing pattern.

Many golf clubs stuck to pedestrian mowers until the early 1970s when the first modern triplexes arrived from the USA. At this time, Britain was suffering from inflation and a wages explosion. Triplex mowers could replace men and save time. Well, that was the theory!

The popularity of triplexes grew along with the increase in the popularity of golf which, with the increase in the number of players, put pressure on pedestrian mowers. Inflation's spiral continued and more clubs bought triplexes. There were more golfers, more competitions,

more pressure for greens to be cut at weekends.

The now discredited green-keeping practices of these times, over-watering and over-fertilisation, increased the need for more frequent cutting of 'lush' greens, so more clubs bought triplexes. Hand mowers almost disappeared, some clubs had none.

Triplex mowers had now become the norm and there were some benefits. Scarifying and verti-cutting were much easier. Frequent cutting and an early start enabled greenkeepers to keep ahead of play. However, all was not wonderful with triplex mowers. The constant clean up pattern around greens caused a new bogey - 'Triplex Ring'. Damage to turf on collars and approaches brought wear to these areas and, worst of all, hydraulic leak damage.

Meanwhile, in America, the land that spawned the modern triplex, many clubs returned to pedestrian mowing. It's now the norm for the majority of wealthier clubs.

Progress in the USA, as we have seen, has advanced the triplex mower from cutting greens and approaches, to cutting and boxing off clippings on fairways. This policy has found its way across the Atlantic. Walter Woods now cuts the Old Course fairways at St Andrews using triplex mowers and with encouraging results.

In the UK, while the triplex revolution was under way, the pedestrian mower maintained one bastion, the professional tour. The PGA European Tour, paying lip service to consistent course preparation, encouraged all tournament venues to cut with pedestrian mowers, as did the R & A for Open Championships, although Royal Lytham in 1979 and Royal St George's in 1981 were exceptions.

West Malling Golf Club was built as recently as 1974 and really knew no other mowing practice than the triplex. While preparing last year's budget, I estimated

that the two triplexes owned by the club would need replacement. They were both ageing and, during 1984, had proved unreliable.

In recent times, the almighty dollar had outshone the pound and this dramatically altered the cost of new American triplexes. Enquiries showed an almost weekly increase in prices. Spare parts, always expensive, had reached absurd levels. One glance at repair bills helped me to decide that an alternative should be sought.

Pedestrian mowing always appealed to me. Apart from the generally accepted improved appearance of greens cut by hand, I had always enjoyed operating these machines for the feel and closer contact you achieved with turf.

My trip to Windsor in 1984 allowed a thorough investigation of all available pedestrian mowing machines, costs and availability, along with current prices of triplexes.

After opting for a return to pedestrian mowing, I approached my maintenance crew with some ideas and a discussion of the practicalities ensued. I was very pleased by their enthusiastic response and now had to convince the club management that our new ideas would be of substantial benefit to all.

I worked out my case carefully. With five staff, we would need five mowers. I prepared a chart showing comparative purchase costs (fig 1). Annual service costs would be an important factor and so was the average life expectancy. As can be seen, the capital cost per year, the initial cost divided by the likely lifetime, showed a considerable saving for five pedestrian mowers against one triplex.

The next thing to consider was labour costs (fig 2). At West Malling, we have 20 greens - 18 on the golf course, a putting green and a practice chipping green. Triplexes seemed to have good labour cost advantages, but if



### COMPARATIVE PURCHASE COSTS

	TRIPLEX	WALKING
NEW MACHINE (APPROX)	£10,400	£1010 x 5 = £5,050
ANNUAL SERVICE COSTS	£800.00	£160 x 5 = £800.00
AVERAGE LIFE EXPECTANCY	5-7 YEARS	8-10 YEARS
CAPITAL COST PER YEAR	£1500-£2080 PER YEAR	£101-£126 PER YEAR x 5 = £505-£630 PER YEAR

Fig. 1.

men and mowers were being sent to all parts of the course, we performed numerous other essential tasks (fig 3). In order to transport men and equipment about the course, we looked at what we had available.

As one area could easily be covered by walking, we needed four vehicles. The Cushman was an obvious choice. We had an old van that could cope with another area. Two tractors could be used with existing trailers to complete the transport arrangements at no extra cost to the club.

Fuel requirements for these would be minimal, two being diesel powered. Regrettably, apart from special events, such as the captain's day, club championship and open events, it is impractical to bring in all the staff to

cut at weekends. Therefore, both sets of figures in fig 3 take account of triplex mowing at weekends.

It is assumed that the average regular mowing season lasts about 32 weeks, so it can be seen that, by incorporating other golf course tasks into the mowing pattern, the increased efficiency of labour usage produced another saving.

In order to achieve this, however, it was necessary to purchase extra hole cutters, lifting hooks, rakes, etc. A large part of our 1984 budget had been spent on spare parts and fig 4 shows a comparison of spare part costs and a fuel cost comparison. This saving multiplied by five days per week over the 32-week season shows a fuel saving cost of some

### COMPARATIVE LABOUR COSTS

TRIPLEX	WALKING
20 GREENS = 1 MAN x 3.4 HOURS x £2.80 PER HOUR = 5 MEN x 1 HOUR x £2.80 PER HOUR = £9.52 PER DAY	= £14.00 PER DAY

Fig. 2.

£300 per season.

Most important was how we intended to divide the work. Initially, we decided to allocate each an area to look after, but consideration had to be given to variations in ability among the crew. If we could develop a rota system, not only would interest in the entire course be maintained by all the crew, but a poor performance or less well-adjusted machine would not be confined to one area and each green would only be treated this way once a week. (In fact, there is little evidence of performance variation.)

In order to minimise interference from, or to, golfers, we needed to ensure that we stayed ahead of play. We have two starting points - the 1st and 10th

Fig. 3.

### OTHER GOLF COURSE TASKS

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5 MEN x .33 HOURS x £2.80  
= £9.24  
PER DAY

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1 MAN x 2.5 HOURS x £2.80  
= £7.00  
2 x PER WEEK = £14.00

5 MEN x 3.3 HOURS x £2.80  
= £4.62  
2 x PER WEEK = £9.24

#### WEEKLY MOWING COSTS INCLUDING OVERTIME (x7)

	£77.64	£100.00
WEEKLY HOLES & TEES	£14.00	£9.24
BUNKER RAKING x 6	£99.00	£61.20
OVER ALL COST PER 7 DAYS	£190.64	£170.44
	x 32 WEEKS	x 32 WEEKS
	£6100.48	£5454.08

Fig. 4.

### COMPARATIVE COSTS OF COMMON REPLACEMENT PARTS

	TRIPLEX	WALKING
BOTTOM BLADE	£21 x 3 = £63.00	£8 x 5 = £40.00
EXCHANGE ENGINE	£815.00 EACH	£175.00 EACH
TYRES	£68.00 EACH	N/A
HYDRAULIC DRIVE MOTORS	£270.00 EACH	N/A
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FUEL CONSUMPTION PER 18 HOLES	£0.82 GALLONS PER HOUR x 3.4 HOURS = £2.78	£0.13 GALLONS PER HOUR x 5 x 1 HOUR = £0.65





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## A RETURN TO HAND MOWING – CONTINUED...

### West Malling holes.

A rota scheme that encompassed our important ideal of daily mowing was evolved. Fig 5 shows it with a five-man crew, five-day week and 20 greens. This gives each man four greens per day and easily lends itself to a five-week rota. We divided each area into a route and decided that we should all take one of the greens played first. As a starting point, the figures to the right indicate the greens covered by each operator.

Starting at about 7am each morning, holes 1, 2, 10, 11 and 12 are cut first. By 7.30am, holes 3, 4 and 13 are cut well ahead of play. The figures under bunkers are the number on each hole and the total is for the route. Tees are changed as the men pass by on their route.

On day one of week one, operator one works route one. On day two of week one, he works route two and so on. The others move around as indicated. With this information clearly presented, the club management readily agreed to try hand mowing.

The system has worked even better than expected. Starting daily at 7am, we can cut all 20 greens, rake all 53 bunkers and, when necessary, change all holes and tees and be back in the shed before 9am, well in front of any golfers. Should anyone be on

DAILY GREENS MOWING ROTA									
WEEK 1	ROUTE 1	ROUTE 2	ROUTE 3	ROUTE 4	ROUTE 5	GREENS 1	ROUTE 1 TEES 2	BUNKERS 1	HOLES 5
MON	1	2	3	4	5	1	2	3	4
TUES	5	1	2	3	4	2	3	4	5
WED	4	5	1	2	3	3	4	5	1
THUR	3	4	5	1	2	4	5	1	2
FRI	2	3	4	5	1	5	1	2	3

WEEK 2	ROUTE 1	ROUTE 2	ROUTE 3	ROUTE 4	ROUTE 5	GREENS 2	ROUTE 2 TEES 3	BUNKERS 2	HOLES 4
MON	1	2	3	4	5	2	3	4	5
TUES	5	1	2	3	4	3	4	5	1
WED	4	5	1	2	3	4	5	1	2
THUR	3	4	5	1	2	5	1	2	3
FRI	2	3	4	5	1	1	2	3	4

WEEK 3	ROUTE 1	ROUTE 2	ROUTE 3	ROUTE 4	ROUTE 5	GREENS 3	ROUTE 3 TEES 4	BUNKERS 3	HOLES 3
MON	1	2	3	4	5	3	4	5	1
TUES	5	1	2	3	4	4	5	1	2
WED	4	5	1	2	3	5	1	2	3
THUR	3	4	5	1	2	1	2	3	4
FRI	2	3	4	5	1	2	3	4	5

WEEK 4	ROUTE 1	ROUTE 2	ROUTE 3	ROUTE 4	ROUTE 5	GREENS 4	ROUTE 4 TEES 5	BUNKERS 4	HOLES 2
MON	1	2	3	4	5	4	5	1	2
TUES	5	1	2	3	4	5	1	2	3
WED	4	5	1	2	3	1	2	3	4
THUR	3	4	5	1	2	2	3	4	5
FRI	2	3	4	5	1	3	4	5	1

WEEK 5	ROUTE 1	ROUTE 2	ROUTE 3	ROUTE 4	ROUTE 5	GREENS 5	ROUTE 5 TEES 1	BUNKERS 5	HOLES 1
MON	1	2	3	4	5	5	1	2	3
TUES	5	1	2	3	4	1	2	3	4
WED	4	5	1	2	3	2	3	4	5
THUR	3	4	5	1	2	3	4	5	1
FRI	2	3	4	5	1	4	5	1	2

Fig. 5.

holiday or off sick, we have a four-man rota, which works almost as well. Adopting this system has given our ageing triplex an extended lease of life and taken the pressure off.

One machine is now used exclusively for collars and approaches and these areas have shown a vast improvement. We also use this machine for regular verti-cutting. The other machine's

role is to cut greens at weekends and to cover the other triplex should the need arise.

Running costs have improved. Fuel expenditure is well down, as is the purchase of spares. There are undoubted improvements in quality and appearance of greens. Pressure has been taken off the tees mower and I now have no fears of being caught out by mechanical breakdown as I have adequate back up in all areas. I have eliminated 'Triplex Ring' and collar damage and have ensured that tees and bunkers are looked after on a more positive daily basis.

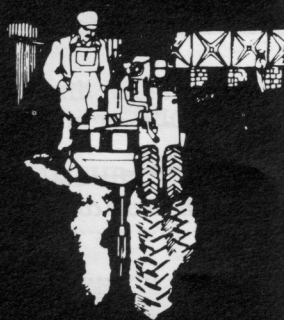
I have instilled a greater sense of pride and achievement in my crew, which now has more time for other maintenance tasks. For West Malling Golf Club, hand mowing works. It will probably work for your club, too. Sizes of greens, access problems, transport, availability of suitable, reliable staff will all need to be considered but, in my opinion, the balance has changed and, even if it costs your club more, the aesthetic and turf benefits make it well worthwhile.

After all, it is accepted that the single most important golf course maintenance operation, cutting the greens, is improved most by the quality of the cutting equipment employed, the skill of the operator and the frequency with which it is used!

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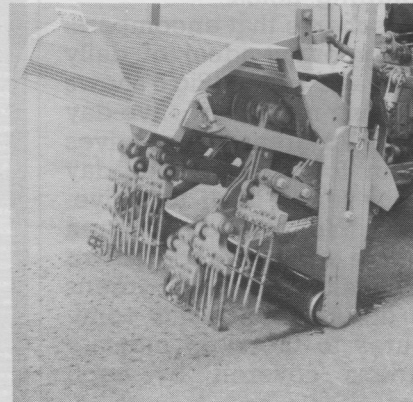


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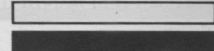
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## Support The South Wales Seminar

As previously announced in *Greenkeeper* (August), the South Wales branch of EIGGA is to hold a two-day educational seminar at The Abbey Hotel, Great Malvern, Worcestershire on November 1-2.

The final programme of speakers and lectures in nearing completion. At present, it reads: Jim Arthur, who will talk on *The History Of Greenkeeping*, Billy McMillan (Sunningdale GC), *Course Preparation And Presentation For The 1986 European Open*, Michael Coffey (Greenkeeper), Laurence Pithie (Minchinhampton GC), *Managing A Cotswold Golf Course*, Nicholas Park, *The Golfer On Your Course - Is The Customer Always Right?*

Also presenting papers will be Bill Lawson (Heswall GC), Geoffrey Athill on *Man Management*, Derek Ganning (The Belfry), *Projecting A 36-Hole Golf Complex Into The Future*, Paul Pearse (Effingham GC), Bill McCrea (secretary of Walton Heath), *The Golf Course - Presentation For Maximum Effect And Enjoyment* and George Brown (Turnberry), *An Open Move*.

Such a first-class array of speakers ensures an extremely informative and interesting weekend.

The seminar has been staged in a central location close to the

motorway network in order to attract visitors from across the UK.

Secure your place now by filling in the form below and sending it, together with your deposit of £10, to: Raymond Hunt, South Wales Branch Administrator, 9 Esplanade Avenue, Porthcawl, Mid-Glamorgan. Cheques should be made payable to: 'EIGGA South Wales.'

The cost for EIGGA members is £57, non-members £62. Daily attendance costs £15 (EIGGA members) and £18 (non-members). Anyone interested in golf and golf course preparation will be made welcome and further information can be obtained from me on 0656 771335.

Raymond Hunt.

## Sussex

Tandridge Golf Club, across the 'border' in Surrey, hosted our August fixture and an enjoyable time was had by all. Thanks go to John and staff for having the course in its usual excellent condition and the steward for the buffet.

The result was: 1st - A. Butrymowicz 36pts, 2nd - M. Gould 34pts, 3rd - P. Simpson 34pts.

Finally, on a personal note, I would like to thank all of you who attended the match for giving me the raffle money. I was really depressed at losing money on the course. As you will all probably know, when buying a house, every penny counts. Once again, thank you very much.

A. Butrymowicz.

## Victory For West Malling

The inaugural Course Management Trophy was held at Hankley Common GC in August. Played in the Bowmaker format (best two Stableford scores from three) over 36 holes for a trophy presented by Hankley Common, teams consisted of a head greenkeeper, green chairman and secretary. The competition was sponsored by Chipman.

Brigadier D. Cottam, captain of Hankley Common, welcomed the participating clubs and announced that the open competition could be held at the club annually.

He thanked management committee member John Harris, whose idea the event was. John, together with secretary Danny Lee, was the main motivator in getting the event off the ground, he added.

Prizes were presented by John Collins, marketing manager of Chipman.

Course Management Trophy (164 points) - West Malling, represented by E. Thompson, H. Ellis and C. Mardon, who each received a silver-plated pitching wedge donated by Chipman.

Second all day - West Hill (153 points), R. Meek, W. Leighton and B. Roe. Third all day - Blackmoor (152 points), R. Banfield, R. Spiller and J. Neweers.

1st am (80 points) - Reigate Heath, D. Lattey, T. Hobbs and D. Walden. 2nd am (74 points) - Langley Park, T. Taylor, P. Macfarlane and D. Gould. 1st pm (77 points) - Hankley Common, J. Harris, D. Lee and I. McMillan. 2nd pm (75 points) - Brookmans Park, J. Welch, J. O'Brien and D. Casson.

A tote, held in aid of the EIGGA Greenkeepers' Benevolent Fund, was won by Hankley Common, who then decided to donate the £56 to the fund.

H. Ellis, secretary of West Malling, thanked the host club for providing a well-kept and presented golf course (special thanks to Ian McMillan) and a most enjoyable day.

He wished the competition success in future years and hoped to be competing in 1987 - a sentiment that was fully endorsed J. Harris.

I wish to reserve a place at the South Wales seminar and enclose a deposit of £10 (cheques made payable to 'EIGGA South Wales').

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Post to: Raymond Hunt, 9 Esplanade Avenue, Porthcawl, Mid-Glamorgan CF36 3YS



## South Wales

Our summer golf tournament and evening lecture was held at Royal Porthcawl GC. Simon Hopkins of the home club won the tournament.

The branch committee would like to thank Royal Porthcawl for making the club's facilities available. We would also like to thank Rigby Taylor, SISIS and Gregor Jaimeson for donating prizes.

In dreadful conditions, the golf course played very well and when the rain did ease in the afternoon, the back nine became a slightly more comfortable proposition. Congratulations go to the greens staff for presenting the course in such fine condition.

The evening lecture was a great success, with the club's common room playing host to nearly 30. Mark Black, a superintendent from Florida, gave an excellent and thoroughly entertaining talk.

The committee welcomes new member Graham Thomas of Haverfordwest GC to the branch and sends its commiserations to Bill Lawson and staff at Heswall on the Wirral. The club recently suffered an arson attack, which resulted in two-thirds of its machinery and maintenance sheds being lost.

Members are reminded that for any information regarding the branch, they should contact me on 0656 771335.

*Raymond Hunt.*

## Surrey

Once again, I would like to thank Sunningdale for allowing us use of its course for the McMillan Tankard.

The course was in its usual superb condition, thanks to Jack McMillan and staff.

First prize went to G. McNiven on 36 points, ahead of P. Pearse, 35 points, and M. Connors, 34 points.

On behalf of the greenkeepers, secretaries and greens chairmen who took part in the first Course Management Trophy last month, I would like to thank Hankley Common GC and Chipman. The company was excellent and a good day was had by all – hopefully, it was the first of many.

I look forward to seeing many of you at the extraordinary general meeting on October 1, hopefully to be held at the New Zealand club at 7.30 pm.

Members will be informed of any change and if you cannot come to the meeting, please use your postal voting slip.

Remember, amalgamation can only strengthen greenkeeping for the future.

*A. Bradshaw, Branch Chairman.*

● **The North-West branch will be holding an EGM at Chester GC on Wednesday October 1 at 8pm to discuss the amalgamation of the three associations. All members are welcome.**  
**Guy Cannings.**

## East Anglia

Sorry about the distinct lack of news, lads – pressure of work and all that. Let's go briefly through what's been happening... A new vice-chairman was elected at the AGM and Dave Wells has been in action already due to Sterlie Goddard's ill health.

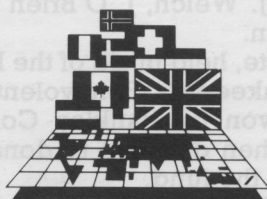
We even found time for a game of golf at Eaton (not too far to travel this time!), where the prizes went to: greenkeepers' 0-17 section – 1st P. Howard, who had 39 points and a gross score of 73. He won the Bentley Trophy playing off six handicap. In second place was Paul Bertenshaw (Royal Norwich) with 35 points.

The 18-28 section was headed by C. Barnard, whose 37 points gained him the Victa Cup, while second place went to Brian Lemon (Barnham Broom) on 34 points. First guest was Ray Stockley (Royal Norwich). Mike Kenyon picked up the booby prize.

The prize presentation was in the hands of Mr L. Rowe, captain of Eaton GC, and we thank the club for their hospitality and courtesy of the course.

October 4 sees greenkeepers taking on club members at Heath Farm. A team of 12 is needed and anyone interested should ring Sam Sylvester on Aldeburgh 2215.

*Mick Lathrope*



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the left down Central  
Avenue as you enter**





## Double Tops For SIGGA At The Open Championship

The Open at Turnberry has come and gone and congratulations must go to George Brown and his staff for the fine condition of the Ailsa course.

SIGGA's involvement in the tournament was two-fold. First, a base for greenkeepers and friends to meet and relax away from the excitement of play was provided. Second, the association organised bunker rakers for all four days of the championship.

The SIGGA tent was again an unqualified success. It was where greenkeepers and friends, greens chairmen and club officials, members of the trade, agronomists and consultants and educational associates all made a bee-line for. There were visitors from overseas as well and fellow greenkeepers from the BGGA and EIGGA.

An assistant greens superintendent from Atlanta in America thoroughly enjoyed her time talking to Scots greenkeepers until she was waylaid by an Irish trade

member - the blarney was something else...

The new system for bunker rakers, one raker for each match, was, after the expected teething troubles, a great success and a more popular method with rakers, players and officials than one man attending to a certain group of bunkers.

The weather, especially during Thursday and late on Saturday, was not ideal for spending five hours raking bunkers and great credit must be paid to those who stuck to the task so diligently, which was everybody.

Even greater credit goes to those fit and hardy souls who went round twice in one day! Well done, lads, you were a shining example to us all. Incidentally, this included three members of SIGGA who are greenkeepers in Sweden and we are delighted to have them in our ranks.

There were greenkeepers from as far afield as the north of Scotland to the north of England and they all considered it a very worthwhile job, which also gave them the opportunity of watching the world's top golfers as close as you can without actually playing alongside them.

I decided at the start of this report not to mention any names, but I feel I must single out (besides George Brown) Tom O'Brian, course manager at Royal Birkdale, who gave Mrs O'Brian a free rein in the exhibition tent so

he could rake bunkers. It was good to see that even a headman from an Open Championship venue was prepared to roll up his sleeves to help out.

The organising team, ever willing to learn from their mistakes, have already drawn up a list of ways to improve the system for the next time, including a base nearer to the 1st tee and the provision of something hot to eat or drink during inclement weather.

I cannot finish this report without mentioning the help we received from George Brown and his staff, who were so helpful even though they had more than enough to keep them busy. SIGGA said thanks to George on the Saturday evening by presenting him with a plaque recognising his endeavours.

## Dear Sir

We at Downfield were most appreciative of the remarks on the condition of our golf course, which were made in the report of the SIGGA golf tournament (August's issue of *Greenkeeper*).

At that time, both Bill Milton, the head greenkeeper, and myself were aware that, due to a combination of the weather conditions throughout April, May and early June and our intensive efforts to eradicate annual meadow grass, the darned stuff had died out on us by the square yard, leaving a pretty thin looking sward and, in places, no sward at all.

Despite extensive overseeding and much toil and sweat by Bill and his staff, we were still far from satisfied with the state of the course when SIGGA held the tournament.

However, all the participants appeared to enjoy their day and the *après golf* was very convivial. It was interesting to listen to the shop being talked and the experiences being swapped and it was gratifying to realise the position of high esteem our head greenkeeper enjoys among his fellow professionals.

Yes, it was a great day among good company. Haste ye back to Downfield.

*L.S. Wright, Greens Convenor,  
Downfield Golf Club.*

## SIGGA Supports New Association

The attendance at an extraordinary meeting in Stirling recently to vote on proposals to unite the three greenkeepers' associations was fair considering the time of year.

SIGGA president Walter Woods was in the chair. After his introduction, Walter answered questions on the proposed new association and its constitution. It was gratifying to see that those present had come prepared to ask many varied questions, to which they wanted reassuring answers before voting on the proposals.

Questions covered aspects such as boundaries, subscriptions, employment, the magazine,

area funding, location of headquarters, powers and duties of the general administrator, backing from the R & A, the rights, if any, of trade members and what benefits greenkeepers will gain.

These and many other questions were dealt with convincingly by the chairman, aided by J. McKean, and when the chairman called for the vote to be taken, the first two proposals were passed unanimously and the third only had two dissenters.

So, SIGGA has decided that, conditionally on the acceptance of the same proposals by the BGGA and EIGGA, it will become part of the new association.



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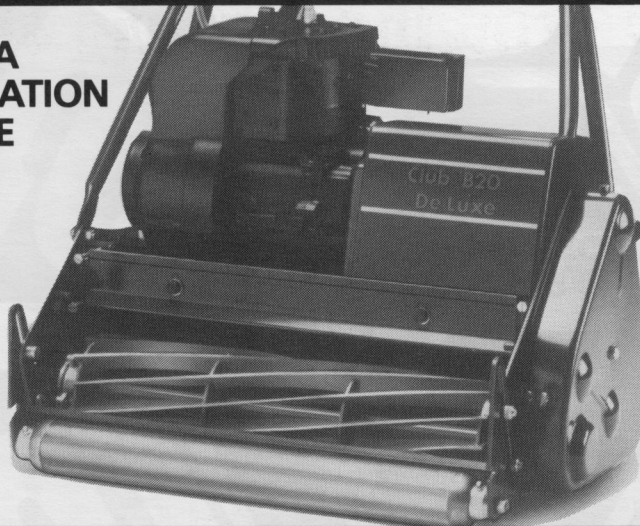
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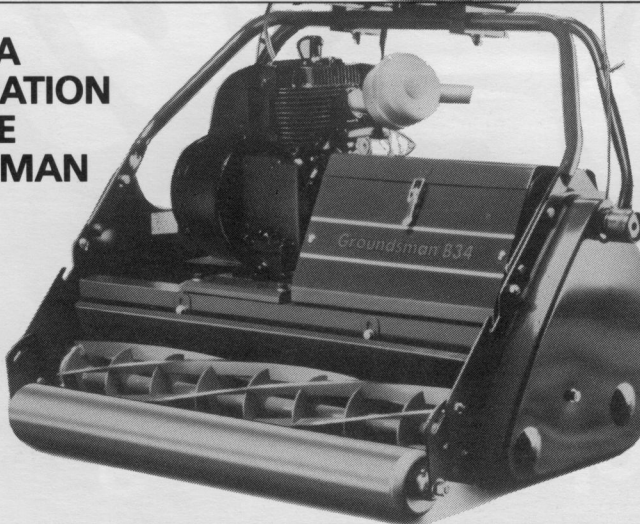


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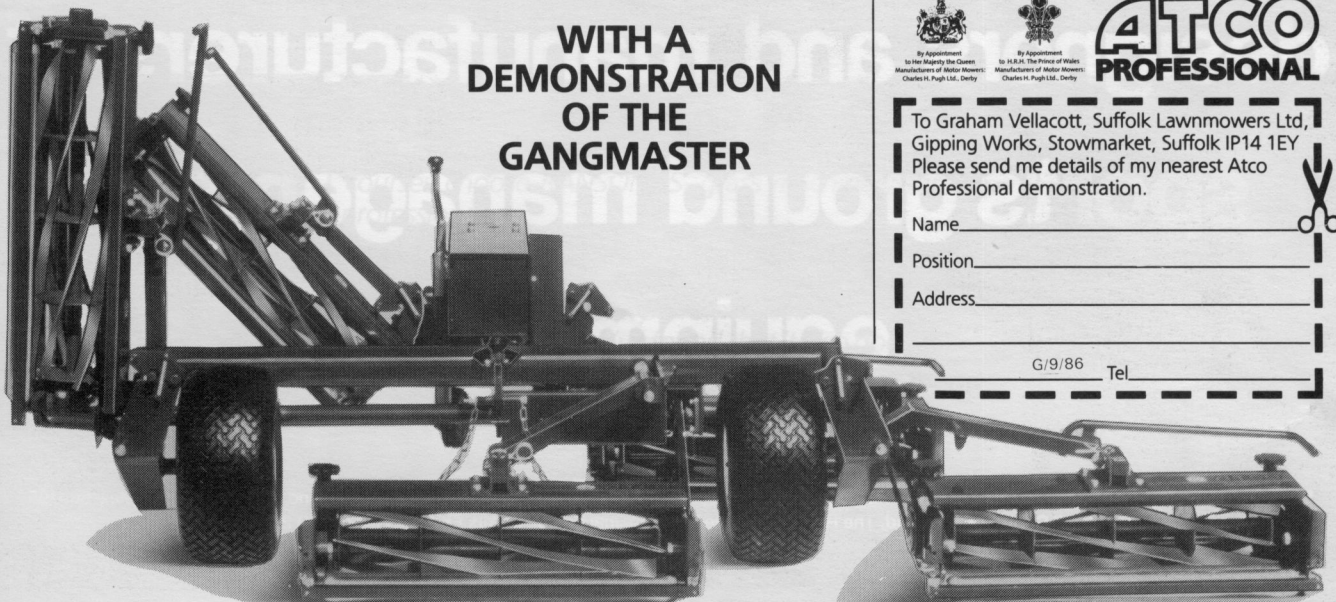
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## Big News For Those Little Jobs!

Lely (UK) Toro has introduced a new triplex trim mower, the Reelmaster 216, designed primarily for mowing smaller turf areas on golf courses.

Featuring a 6ft cutting width, the Reelmaster 216 uses a hydrostatic transmission to allow single pedal foot control and avoids the need for manual gear-shifting. The mower's tricycle design - rear wheel steers, front wheels provide traction - offers manoeuvrability in tight situations, while Toro's 'sector-rod' steering mechanism gives a design and durability similar to rack and pinion steering.

To assure continuous cutting, a stabilised rod provides constant pressure on the v-belt driving the cutting reels. Each of the three reels is supported by independent suspension to allow an even cut over all types of ground.

A single knob mechanism, exclusive to Toro, adjusts the bedknife-to-reel, aided by a quick-release system of the v-belt tension. Height of cut can be adjusted in  $\frac{1}{4}$ in increments with a quick-pin mechanism allowing a return to the original height-of-cut settings.

A hydraulic lift, accessible from the operator's seat, raises and lowers the entire cutting unit and a 16hp air-cooled Kohler engine provides a cutting speed of 5mph and a transport speed of 7.5mph.

Toro has also announced an 11-blade optional cutting unit for the Greensmaster 300 greens mower.

Providing a 59in cut width, the cutting unit's 5in diameter reel features 11 hardened carbon steel blades welded to five spiders. Height of cut can be adjusted as low as  $\frac{3}{32}$ in. An optional quick height-of-cut kit allows for convenient height-of-cut changes in .100 increments.

The Toro 11-blade cutting unit comes equipped with  $\frac{1}{8}$ in bedknife and an optional tournament bedknife for cuts down to  $\frac{3}{32}$ in. A centrally located single-hand knob control adjusts reel to bedknife in .001 in increments.

Toro's five-blade cutting unit option is in full production and the eight-blade cutting unit will continue to be available.



The new Reelmaster 216 from Lely (UK).

## Management Buy-Out

Trevor Martin, general manager of Vitax, with the support of Mike Lawton, technical/production manager, and Trevor Holmes, sales manager, has bought-out Steetley Minerals.

The move has been supported by investment from the main distributors of the three fertiliser

ranges, designed for commercial growers, the retail trade and the sports and amenity industry. Suppliers and Vitax advertising agents have also backed the new venture.

Further information can be obtained from Trevor Martin on 0704 893311.



Now heading Vitax, Mike Lawton, Trevor Martin and Trevor Holmes.



## Pesticides In Perspective

A series of leaflets discussing various aspects of pesticide usage on land and in water has been published by the British Agrochemicals Association.

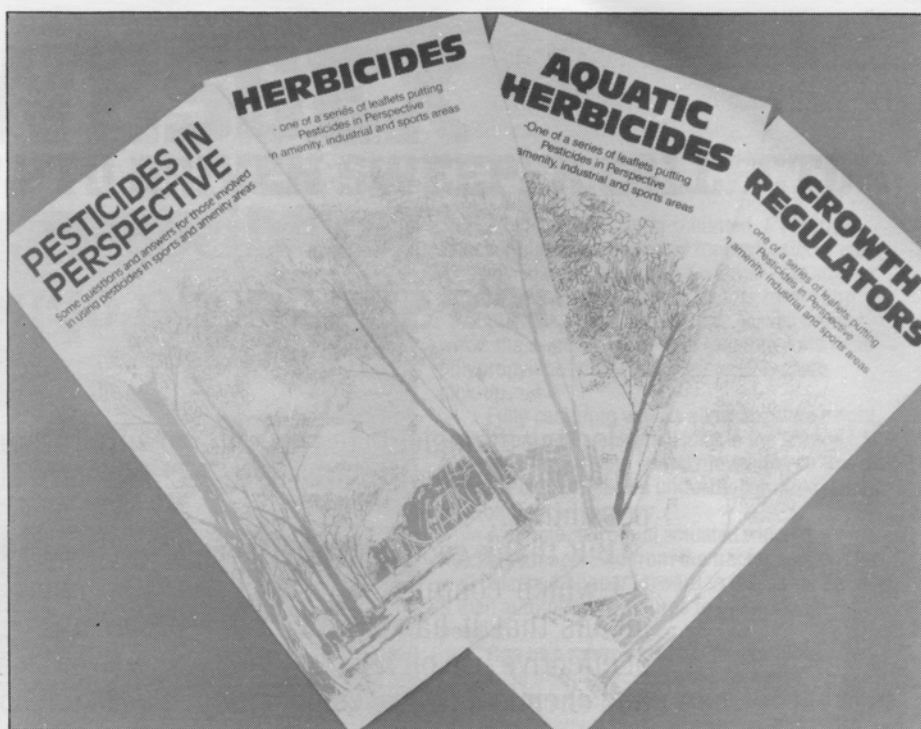
The four leaflets, part of a series aimed at 'putting pesticides in perspective' in amenity, industrial and sports areas, form the basis of a continuing information programme for professional users.

Tearlach MacLean, director of the BAA, said: "This series is designed to inform those whose work involves them in the use of pesticides in amenity, industrial and sports areas."

The leaflets will be available as a series for the first time at the IOG's Windsor exhibition this month.

*Pesticides In Perspective* answers commonly asked questions on the use of pesticides. *Herbicides* differentiates between selective and non-selective herbicides and describes the types of product available and how and why they are used.

*Growth Regulators* describes how chemicals can be used to manage and modify the growth of plants in areas such as roadside



The new series of leaflets from the BAA.

verges, industrial sites and forestry.

*Aquatic Herbicides* emphasises the need for prudent management of water, whether for commercial or amenity purposes. The leaflet points out that aquatic weeds can interfere with drainage and irrigation or cause water to become stagnant and, therefore, a possible health hazard, make fish husbandry more difficult and cause damage by blocking pumps and filter equipment.

Both leaflets list the types of product approved by the government's Pesticides Safety Precautions Scheme, their uses and how and when they should be applied.

More detailed information is available in the BAA's *Directory Of Amenity Chemicals*, priced £1.50 and also available from the same address as the leaflets: British Agrochemicals Association, 4 Lincoln Court, Lincoln Road, Peterborough PE1 2RP.

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Dear Sir

May I correct an impression that Dr Hayes and Mr Arthur reflect in their article in the July issue? They suggest that the fertiliser trade is trying to sell more fertilisers to golf courses because of the recession in agriculture.

The higher profile adopted by my association in recent months has been simply and solely to help stimulate informed discussion and debate on the complex issues of whether, when, where and how much fertiliser should be used.

Too often we have seen sweeping statements criticising the use of fertiliser. The situation is not black and white and I am among the first to recognise that every green, every site, in fact, poses a different set of conditions.

The fertiliser industry is not in the business of selling fertiliser where it is not needed. It serves nobody, least of all manufacturers' reputations, to adopt this policy, whether it be fertilisers for golf courses or washing-up liquid for housewives.

My association's objectives are to encourage the sensible use of fertiliser in situations where it will be a benefit. This can best be achieved by encouraging discussion on the subject, involving technical and advisory specialists from all sides, including the manufacturers.

*J. Mottram, Director General,  
The Fertiliser Manufacturers  
Association, London EC1.*



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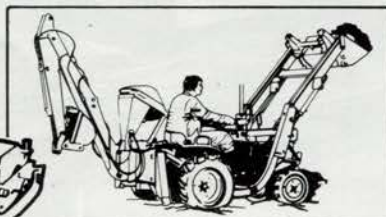
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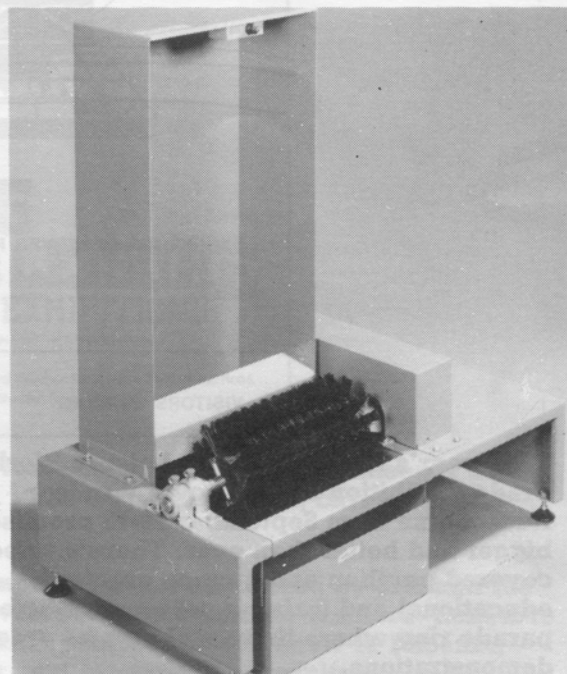
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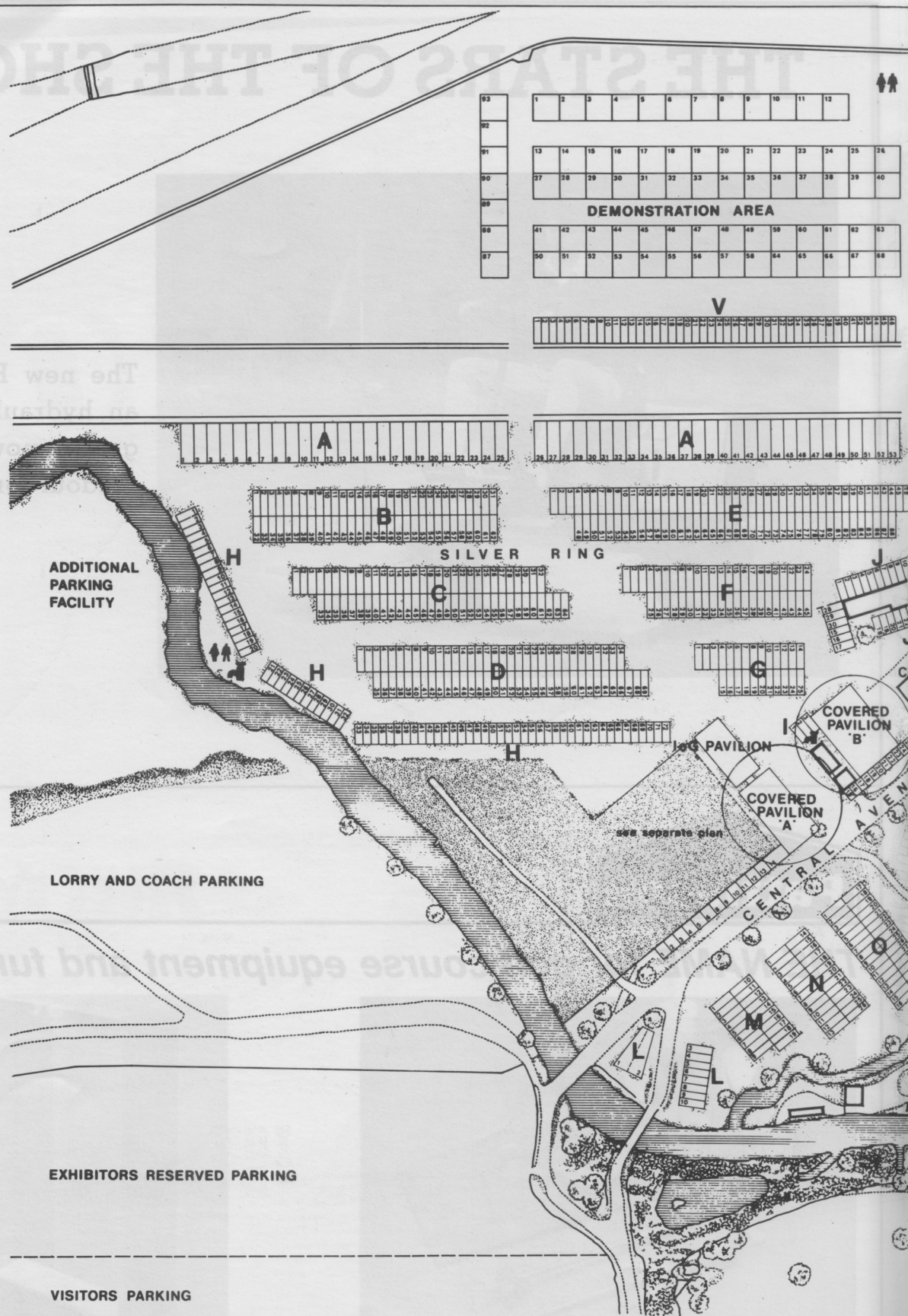


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**THIS** year's IOG Sports and Leisure World Trade Exhibition at The Royal Windsor Racecourse from September 16-18 promises to be bigger and better than ever. There's a second covered pavilion and a much greater educational and training presence, housed in the parade ring where there will also be practical demonstrations.

As before, a charity stand will be run by the

Windsor Lions. A number of charities will benefit, including the Royal Gardeners' Orphan Fund, whose patron is the Queen Mother.

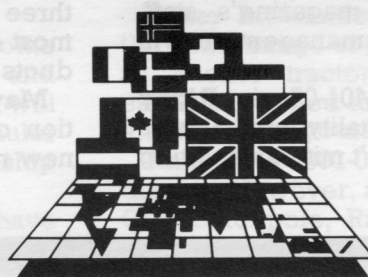
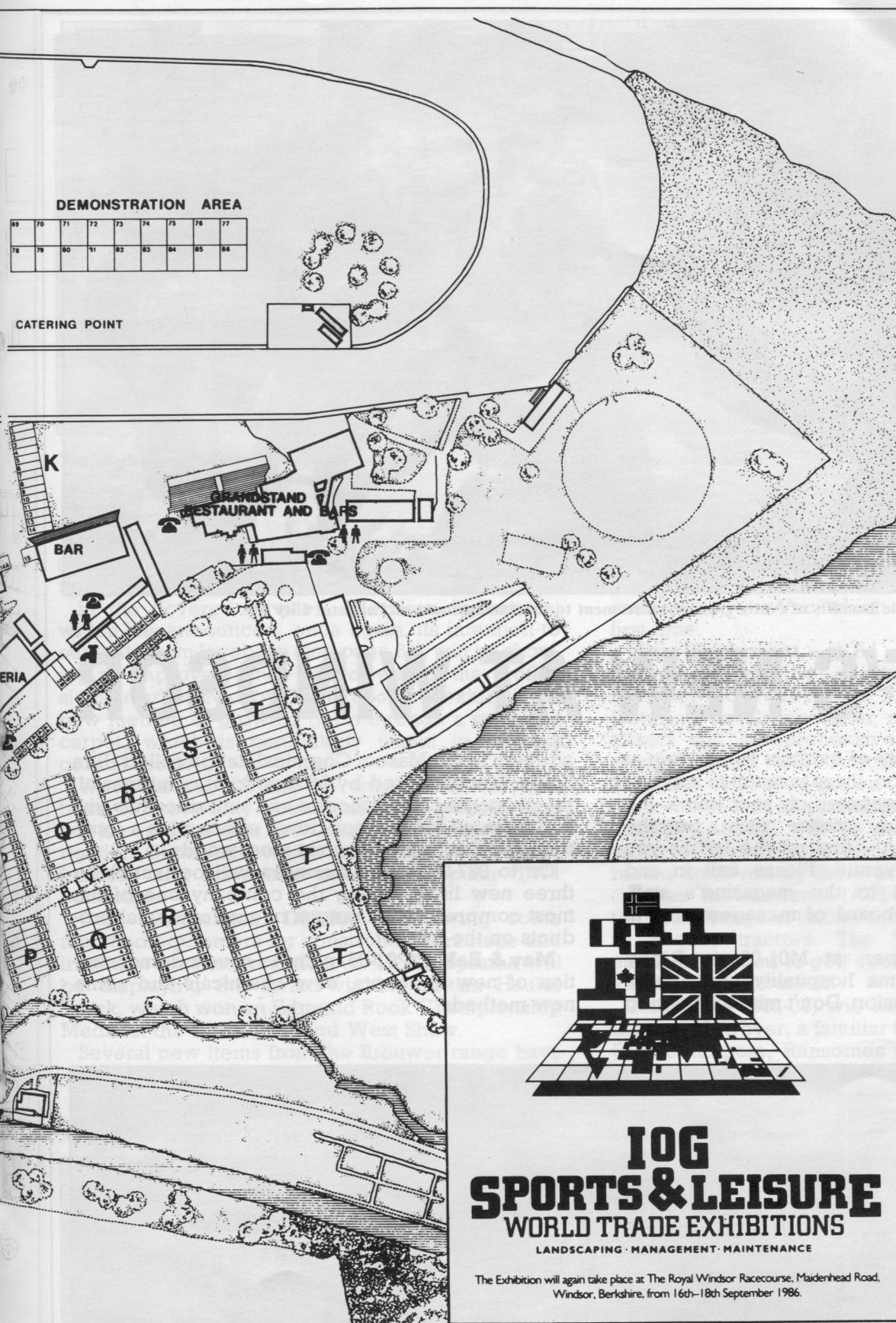
Stand merit awards are to be judged at 5pm on the Monday prior to the opening day and the results of these awards, together with those for the best literature, will be announced the following day, Tuesday September 16, at 6pm during a reception in the exhibitors' club.



# DEMONSTRATION AREA

69	70	71	72	73	74	75	76	77
78	79	80	81	82	83	84	85	86

CATERING POINT



## IOG SPORTS & LEISURE WORLD TRADE EXHIBITIONS

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The Exhibition will again take place at The Royal Windsor Racecourse, Maidenhead Road, Windsor, Berkshire, from 16th-18th September 1986.

The Groundsman Of The Year and Young Groundsman Of The Year competitions have reached their final stages, with five finalists in each section. Among the 'seniors' is Laurence Pithie, golf course manager at Minchinhampton Golf Club, Stroud, an EIGGA member and previous winner.

In the junior division, Trevor Dennis, an apprentice greenkeeper at King's Lynn GC, and

Wayne Roberts, an assistant greenkeeper at Poulton Park GC, Warrington, carry our best wishes.

The competitions are sponsored by SAI and the £3,000 worth of prizes include winners' tickets to the GCSAA conference and show in Phoenix, Arizona next January. The results are to be announced at a reception in London on October 31. ▶





David Dury demonstrated the benefits of Notts grass reinforcement to the management of Leicester City FC.

# WHAT'S NEW AT WINDSOR

AMONG the vast variety of exhibits to be seen at this year's IOG exhibition, there is much to look out for. Our preview concentrates on new items. But the first step for any visitor must be the *Greenkeeper* show unit – first on the left as you walk down Central Avenue. Please call in and make yourself known to the magazine's staff. Members of EIGGA's board of management will also be in attendance.

Opposite *Greenkeeper*, at M01-05, is **Rigby Taylor**, whose Panorama hospitality unit always makes a striking impression. Don't miss an exciting

addition to the Mascot Chemical Range called Ultra Sonic. Manufactured by Monsanto, it combines all the properties of glyphosate and simazine, thus giving an immediate knock-down effect, plus a long-term residual effect, against most weeds.

On to 027-28 where **Farmura** will be launching three new lines, giving the company one of the most comprehensive ranges of environmental products on the market.

**May & Baker** (P01-05) plans to have a demonstration of new concepts, new chemicals and some new methods.

All that Fisons has to offer...







The Hazlewood 1900 MT trailer.

Just around the corner, **Hazlewood Engineering** (P19-25) is showing the 1900 MT trailer, suitable for transporting a three cylinder motor mower.

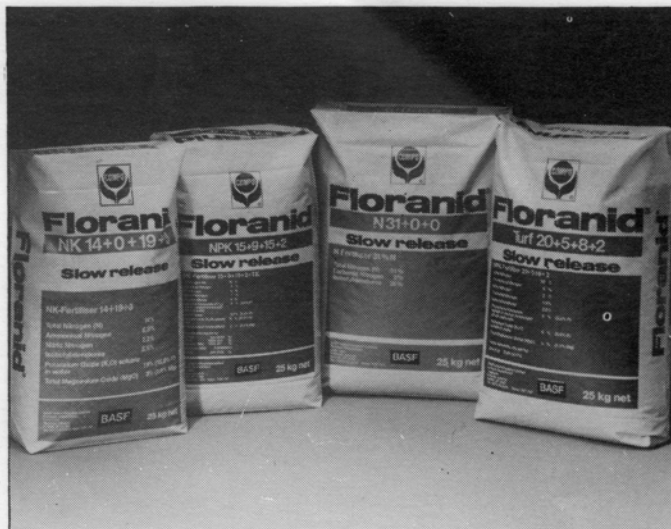
In the covered pavilion, **Morrison Industries**, which has announced, once again, its intention to separate from Jacobsen (see page 34), will be showing an improved range of mowers for the professional market. Nearby, **Notts Sports** is exhibiting a new method of growing grass through a synthetic carpet, which is particularly useful in fighting coastal erosion.

**Watermation**, G23-25, the only British manufacturer of heavy-duty sports turf pop-up sprinklers, will be exhibiting its new Mark 2 Computerised Irrigation Controller, which has a number of extra features and advances over the popular TW1 controller.

**Golf Landscapes**, D37-39, is showing some modified equipment for construction drainage and irrigation installation and, at 42-43, **Eurolume** will be displaying the award-winning British Hauler Truck, which won an Edmund Rock Championship Medal at the Royal Bath and West Show.

Several new items from the Brouwer range have

Adaptability is the key to The Hauler's success.



Floranid by BASF.

recently been launched on to the UK market by **Turfland Professional Equipment** (D50-53). These include the Verti Cut Mower for removing thatch and the Brouwer-Vac, which will be on show for the first time.

**Agar Equipment** - at A4 - is introducing a new five gang cylinder mower and the Jumbo Sweeper/Collector, while **Fisons** (H27-30) will be featuring its Greenmaster range of fine turf fertilisers and comprehensive chemical range, including Tritox and Turfclear. At stand H55-56, **Turfland** has seed-grown turf from its various nurseries to suit all professional requirements.

**BASF** (A01-03) will be exhibiting the Floranid range of slow-release fertilisers and a display of results achieved by these products.

**Boxer International** (A05-09) will be exhibiting the Boxer range of tractor-mounted rotaries, as well as Bucher tractors. The TM800/850 model is especially suited to golf course applications, so go and see it for yourself!

**Ransomes** (B01-07) will have its usual extensive display. However, a familiar face will be missing as Guy Catchpole, Ransomes sales director, retires

The Hauler gained royal approval for Eurolume.







Differential lock and power steering have been added to the Ransomes Motor 3500.



The new Ransomes Compact 215 mounted triple gang mower for use with tractors of around 18hp.

just prior to Windsor. We all wish him well – and good golf!

**Supaturf** (A38-40) has undergone a few changes lately, especially on the promotional and PR side. Richard Fry has been appointed to deal with these matters and, no doubt, he will head an impressive display of turfcare products.

**Kubota** (A26-30) has a futuristic star attraction in the PX2100 radio-controlled grass cutter for use in awkward areas. Look out also for Kubota's other new ride-on mower, the F2000.

On stand E11-13, **SCC Lands Maintenance and Pearl (Service Systems)**, between them, have a unique range of equipment to drain, construct, sand-slit, verti-drain, tree plant, etc. They also have everything you might need to build anything from a tennis court to a sportsfield.

New pesticide legislation requires that all such chemicals are used properly. **Burts and Harvey** (E33-34 & 77-78) has produced a new training film entitled *The Safe Use Of Environmental Chemicals* and this will be 'premiered' at Windsor.

Visitors to the **Chipman** stand (E35-40) will be introduced to a new total herbicide, Arsenal XI. This

innovative product combines Imazapyr and Atrazine to produce a sparkling performer featuring broad spectrum and long term weed control.

Stand F07-10 will be the home of both **TORO** machinery and irrigation. On the irrigation side, the main attraction will be the brand new hi-tech VT4 video computerised irrigation control – not only does it control the individual satellite pop-up system but, being based on IBM hardware, the VT4 can be used by club secretaries, for instance, to store membership details, handicap lists and pay-rolls.

Low growing grass is the big news from **British Seed Houses** (J20-21). Two new grasses, Lorina perennial ryegrass and Logro slender creeping red fescue, are claimed to show up to 25 per cent savings in annual mowing costs.

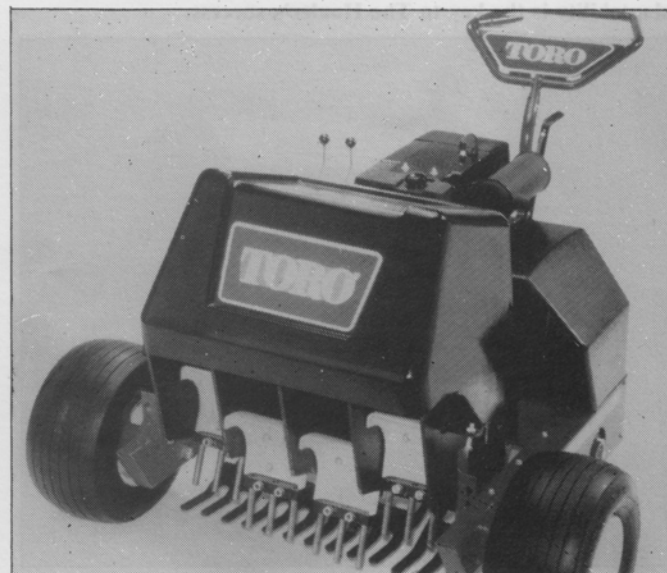
**Johnsons Seeds** (J23-24) also has new varieties, including Jupiter, a slender creeping red fescue currently under trial with the STRI. Johnsons is the only national seed house producing wild flowers and grass seeds and the latest developments involving these mixtures will be on show.

**SISIS** (K01-14) will, as in previous years, have its

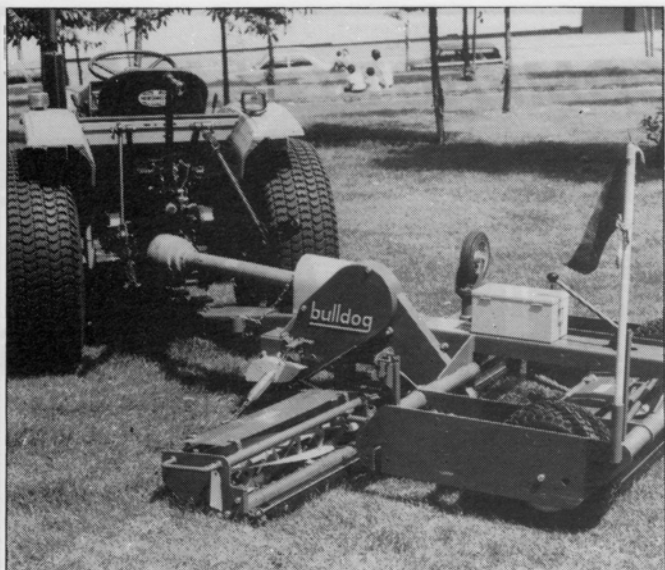
Agar's Jumbo Sweeper/Collector.



The new TORO green aerator.







The Roberine Bulldog.

100ft long dome filled with more orange wonders. A new Hydrotrac vehicle is to be introduced. The 55hp tractor unit incorporates twin seats front and rear, PTO hydraulic linkages and will power a range of specially designed attachments all of which will be demonstrated at the show.

**Dabro International** (T29-31) has, over recent months, embarked upon an intensive development programme, creating a complete new generation of turf maintenance machinery for use with tractors and other power units. A novel feature of the turf-slitter range is a new control mechanism, accurately controlling the degree of penetration of the tines, blades and knives by the operator from the vehicle seat.

**Bob Andrews'** (T09-16) latest acquisition is the Amazone Groundsman range and this will be on display, along with a host of other new products. In the demonstration area, the Lawn Genie will be put through its paces for visitors' approval.

**ICI Professional Products** (S26-30) plans to unveil two new products, Daconil and Tornado, for effective control over all fine turf diseases. Advice will also be available on turf management and disease control problems.



The Green's Hinomower 398 triple hydraulic cylinder mower.

**Turfmaster**, on stand S05-12, has made real progress under its new set-up, with sales set to double for the second year running. A number of machines are on show for the first time and there's a reduction of £750 on the 84 model.

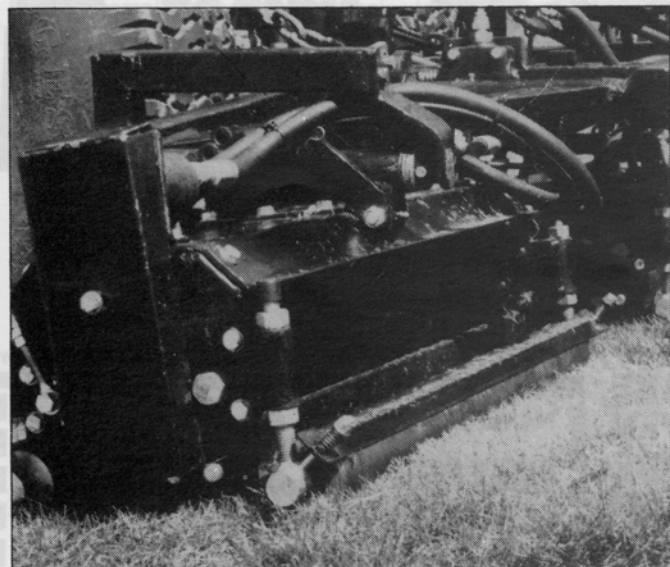
**Claymore Grass Machinery** (R21-24) launches the Roberine 1602 self-propelled five gang cylinder mower and will display the complete range of Roberine machinery, as well as the full range of Green's mowers and machinery.

**Huxleys** (R14-20 & 44-50) celebrates its 40th anniversary this year – of special interest is the TR138 hydraulic reel mower, with seven bladed cutting heads and a 3.5m width of cut. **Parkers** (Q23-27), one of the show's longest serving exhibitors, has several new products, including fertilisers and hand-propelled spreaders.

**Lawn Mower Specialists** (Q39-40) is the UK distributor of the Palmer Multi-Core turf aerator. It is manufactured as either a pedestrian or ride-on model, with the tines set as an easily removable unit. A variety of tines is available.

Finally, **Iseki UK** (W01-10) will be introducing a new tractor, the TD4451, in its mid-range, along with numerous other machines and attachments.

Twinroll floating heads on the Huxley TR138.



Another view of the TR138 hydraulic reel mower.



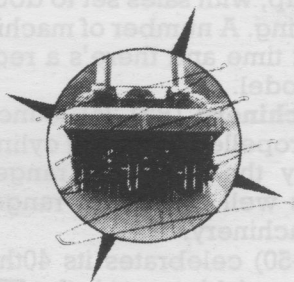


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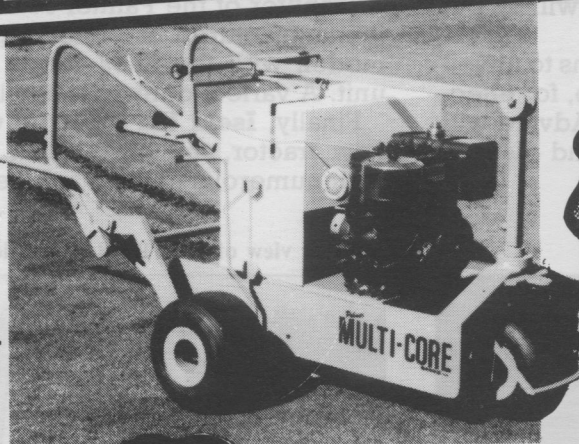
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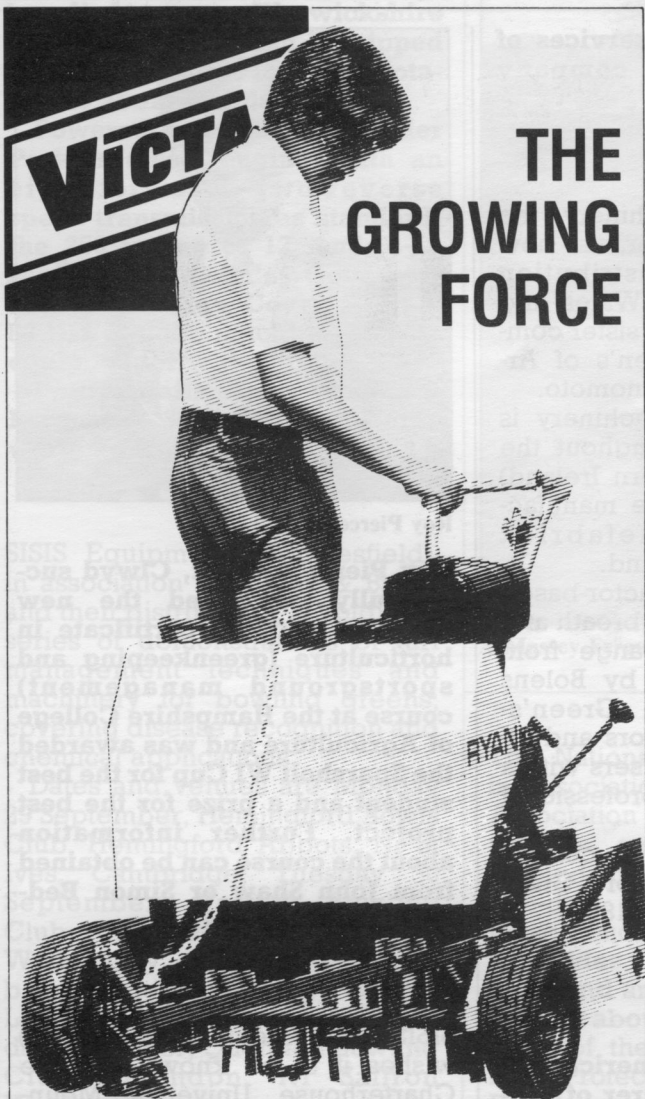
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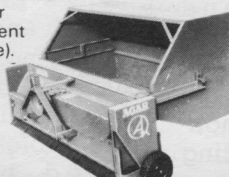
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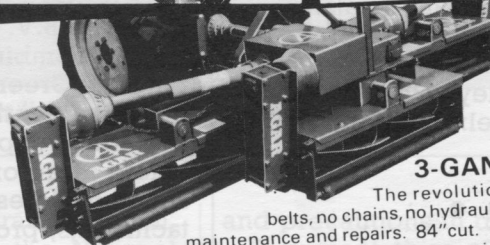
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The unique Dabro pressure system will ensure a consistent maximum 8" depth penetration of the turf even in the harshest of conditions, an ideal unit for use on playing fields, hockey, rugby, football pitches and on golf fairways. Models are available to suit all tractors and power units within the 14-80 h.p. range.

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## People, Places, Products

The Sports Turf Research Institute is holding three courses at Bingley in the autumn on the theory and practice of turf construction and management. They will last for five days (Monday to Friday) and cover soils, grasses, turf diseases and pests, drainage, watering, fertilisers and machinery.

Starting dates are October 20, 27 and November 3. The fee is £90 for members and £110 for non-members (plus VAT), excluding accommodation and meals.

Further details from the Secretary, Sports Turf Research Institute, Bingley, West Yorkshire BD16 1AU. Tel: Bradford (0274) 565131.

**Alginure Products** exhibited at Agasia '86, the Asian agricultural show, in Kuala Lumpur, Malaysia recently. They were one of 16 UK companies with individual stands that formed the British Overseas Trade Board section.

Alginure's participation was supported by SAI, whose export sales manager Jill Heeks was in attendance together with Alginure's marketing manager Malcolm Pettit.

Alginure is the exclusive distributor in the Far East for SAI's fertilisers Enmag and Scotphos, which were promoted at Agasia '86, along with Alginure's products and the soil stabilisation

and erosion control services of Alginure's parent company Comtec (UK).

Claymore Grass Machinery, the UK Bolens distributor, is now responsible for distribution throughout England, Wales and Northern Ireland of its sister company's products Green's of Arbroath and Green's-Hinomoto.

Claymore Grass Machinery is also distributing throughout the UK (excluding Northern Ireland) the professional range manufactured by Machinefabrick Roberine B.V. of Holland.

The combined tractor-based range of Green's of Arbroath and the high work-rate range from Roberine, supported by Bolens estate tractors and Green's-Hinomoto diesel tractors and attachments, provides users with a wide selection of professional equipment.

For further information, contact John Jebbett of Claymore Grass Machinery on 021-327 6186.

**TORO**, the largest American independent manufacturer of professional turf and lawncare equipment, has acquired an interest in the Kansas-based Olathe business.

TORO equipment is handled exclusively in Great Britain by Lely (UK), based at St Neots, Cambridgeshire (Tel: 0480 76971).



Roy Pierce.

**Roy Pierce of Flint, Clwyd** successfully completed the new one-year national certificate in horticulture (greenkeeping and sportsground management) course at the Hampshire College of Agriculture and was awarded the Sparsholt WI Cup for the best student and a prize for the best project. Further information about the course can be obtained from John Shaw or Simon Beddows on 096 272 441.

**SISIS Equipment** (Macclesfield) wishes it to be known that the Charterhouse Universal Mounting Frame, currently being offered to accept 'SISIS and many other attachments,' has not been designed, tested or approved by SISIS. The company offers its own mounting frames for attachments within the Hydromain System or for mounting on other compact or larger tractors.

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A 35 kW/47 DIN hp four-wheel Massey-Ferguson 250 tractor, supplied to one Warwickshire golf club, has been equipped with special tyres for extra flotation to avoid turf damage.

Powered by a three-cylinder Perkins diesel engine, with an eight-forward, two-reverse speed transmission as standard, the 250 is one of 12 models in Massey-Ferguson's Coventry-made 200 Series. Covering 38 to 88 DIN hp, the machines can be equipped for wide applications.

Full details from Massey-Ferguson, Stareton, Nr Kenilworth, Warwickshire CV8 2LJ.



A Massey-Ferguson makes light of its load.

SISIS Equipment (Macclesfield), in association with May & Baker and their distributors, is holding a series of demonstrations of turf management techniques and machinery for bowling greens, covering disease recognition and chemical applications.

Dates and venues are Monday 29 September, Hemingford Bowls Club, Hemingford Abbots, Nr St Ives, Cambridge; Tuesday 30 September, Norfolk Bowling Club, Unthank Road, Norwich; Wednesday 1 October, Marlborough Bowling Club, Lansdowne Road, Ipswich; Thursday 2 October, Quendon Bowling Club, Quendon, Nr Saffron Walden, Essex.

The daily programme starts at 10.30am and will conclude with an illustrated lecture. For full details, phone SISIS on 0625 26363 or write to SISIS Equipment (Macclesfield), Shoresclough Works, Hulley Road, Macclesfield, Cheshire SK10 2LZ.

The National Turfgrass Council, in association with the National Association of Agricultural Contractors and the Institute of Groundsmanship, is arranging a one-day workshop to enable those concerned with the use of pesticides, particularly on turfgrass and amenity grass areas, to find out about the implications for them of the Food and Environment Protection Act 1985 and the Regulations and Codes of Practice being introduced under it.

This workshop is intended primarily for senior staff concerned with pesticide policy within local authorities and private concerns. Subsequent workshops will be held regionally, if there is demand, to explain procedures

and precautions in detail.

Representatives of the Ministry of Agriculture, Fisheries and Food and organisations concerned with training, proficiency testing and health and safety will be on hand.

The workshop will be held at the National Agricultural Centre, Stoneleigh, Kenilworth, Warwickshire on Tuesday October 7 from 10.00am until mid-afternoon. The cost, including coffee, buffet lunch and tea and workshop papers, will not exceed £40.

For a programme and booking form, write to the Secretary, NTC, 3 Ferrands Park Way, Harden, Bingley, West Yorkshire BD16 1HZ. Tel: (daytime) 0274 565131, (evening) 0535 273188.

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## People, Places, Products

### Continued...

A change is being made to the distribution arrangements in the UK for Morrison/Jacobsen products, which will be marketed separately by new companies. Morrison equipment is to be distributed by a company owned by the current general manager Ray Woodward. It will be called Morrison Mowers UK and based in Gloucestershire. Jacobsen will be forming a new company known as Jacobsen UK, continuing at the present King's Lynn, Norfolk base.

The Tidytee is a combined ball cleaner and litter bin 'with useful additions' from Bridges Pennants of Southend-on-Sea, Essex (Tel: 0702 612344/67393). All items use a single support. There's a litter bin with a removable container, a holder for two golf balls, a hook

for a towel, the company's proven golf ball cleaner and a holder for a plastic water container. Steel parts are galvanised after manufacture and maintenance of the unit itself is minimal.

The Tidytee is priced £96 (excluding carriage and VAT). The water can and towel are extra.

**Harry Johnson, 74, consultant director of Joseph Bentley, died recently. His association with Bentley's spanned 60 years, broken only by the Second World War. He joined the company in 1926 and progressed to salesman, company secretary, director and then managing director in 1965. Although Harry retired as managing director in 1976, he continued to work as a consultant director.**

Bob Andrews has been appointed sole UK distributor of the Amazone range of tractor-drawn Groundkeeper mowers and E.K. fertiliser spreaders.

The Groundkeeper, a development of the Lawn Genie machine, is available in different sizes to suit tractors from 12hp upwards. It cuts and collects long or short grass and scarifies large areas of mown grass, collecting the rubbish. In autumn, it becomes a leaf collector.

The E.K. spreader is made for Bob Andrews by a company that has specialised in fertiliser broadcasters for 50 years, during which time it has made and sold 750,000 spreaders.

The EK300 and EK400 models hold 300kg (265l) and 400kg (375l) respectively. They work well on 15hp (or larger) tractors and broadcast any free-running material over a 30ft swath at almost any selected rate per acre. Amazone EK spreaders handle rock salt and grit for roads and paths.

For further information, contact Ken Salt on 0344 885575 or write to Bob Andrews, Pontiac Works, Fernbank Road, Ascot, Berkshire SL5 8JH.

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Appointment to commence MARCH 1987.

Salary negotiable. (No accommodation).

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Whatever you buy from us, you know it will be an effective tool. And you know it will last. Giving you a truly professional result. Acre on acre, year after year.

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Just the easiest way to look after your course.

Lawn Genie will mow long or short grass; collect cuttings or leaves or rubbish; scarify and renovate.

Easy to handle and manoeuvre, it couldn't be simpler!

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The perfect bunker rakes. Light enough to use with one hand, strong enough to stand up to rough use and designed to live their lives outdoors

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The 3-in-one maintenance system for fine turf.

It's a slitter, a scarifier or a vertical mower, depending on which work-reel you fit.

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Litter just can't hide! This powerful air-broom will quickly winkle out rubbish, wherever it's lurking. Ideal for moving mounds of autumn leaves.

See us on Stand L3-10

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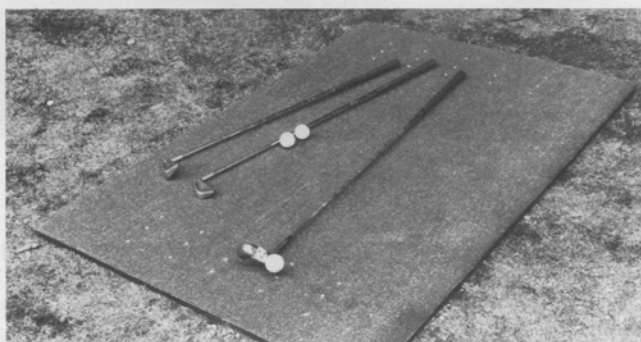
**Boxer International Limited,**  
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 Like a piece of firm, well sprung fairway

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"A British made porous hardwearing all weather tee 1.5m x 1m and 2m x 1m. Synthetic grass, bonded to reconstituted rubber underlay shock pad with 60 tee inserts, combine to give a superb playing surface. Its use is highly beneficial as a WINTER TEE, or when re-turfing tees in the playing season. Also ideal for DRIVING RANGES and PRACTICE GROUNDS both indoor and outdoor." Further details from:-

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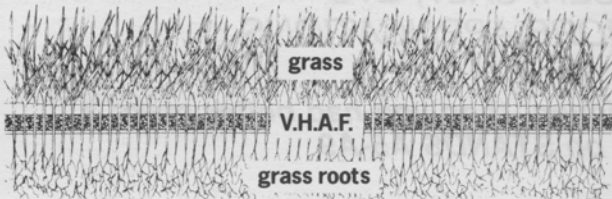


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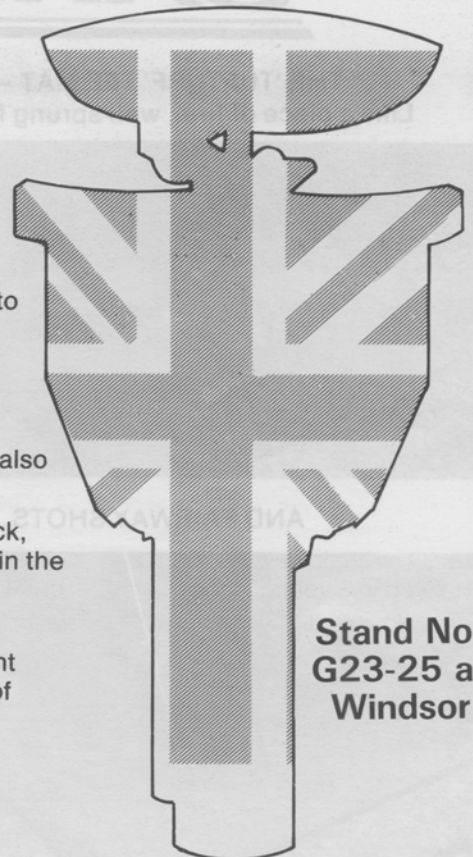
It isn't all "just grass" to us — sometimes it isn't even grass at all. We also design sprinkler systems for artificial surfaces.

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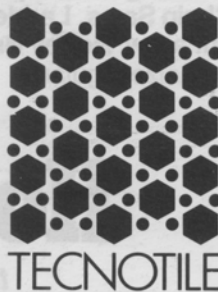
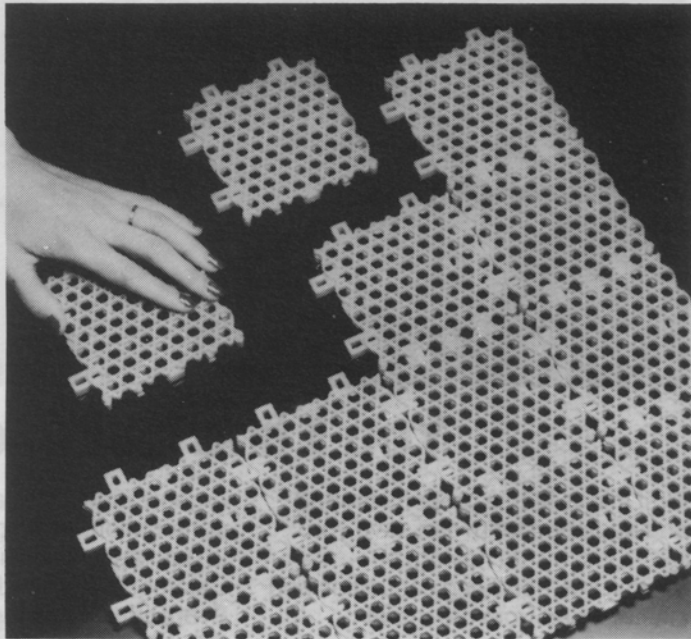
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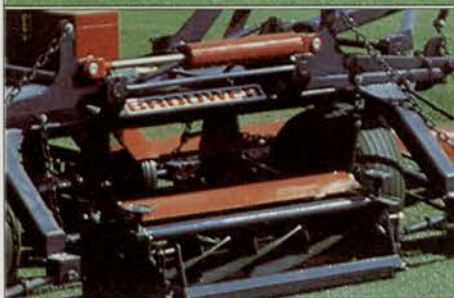


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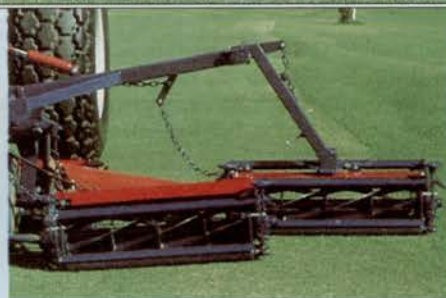
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## DIY Soil Sterilising

With the purchase of a Royer Shredder, it occurred to me that a properly designed table for use with the shredder would make sterilising soil a much easier operation.

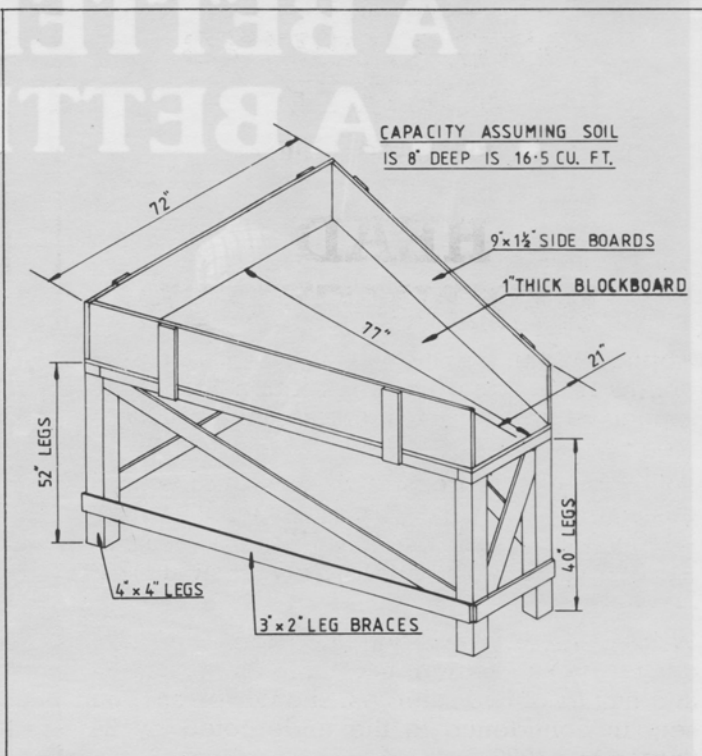
A diagram of this very effective table, complete with measurements, is shown here. The table holds 16.5 cubic feet of soil. The bucket on the front loader holds 13 cubic feet struck or 16 cubic feet heaped.

After a full bucket of soil is placed on the table, I spread 3oz of Basamid over the material before putting it through the shredder. As soon as this mixture has been processed through the shredder, it can then be transported to a suitable storage area, covered with polythene and left for three to four weeks, after which the soil is re-shredded, adding sand as required at the same time. I then test the soil as recommended by the manufacturers.

At all times, care should be taken to follow the instructions on the Basamid container.

**Roy Vernon, Head Greenkeeper, Frinton GC, Essex.**

Below: treated soil is passed through the Royer Shredder.  
Right (top): loading up the table with soil for treatment.  
Right (bottom): Roy Vernon, wearing a cap, measures 3oz of Basamid to mix with a full bucketful of soil.



## **CRAIL GOLFING SOCIETY**

(Instituted 1786)  
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## **HEAD GREENKEEPER**

Applicants should, desirably, be qualified greenkeepers and well experienced in all aspects of course management, with ability to motivate staff.

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Written applications, with full details of age, qualifications, experience, present position and names of two referees, should, please, be sent in confidence to the undernoted by 24 September 1986.

**Secretary**  
**Crail Golfing Society**  
**Balcomie Clubhouse**  
**Crail**  
**Fife KY10 3XN**

## **THETFORD GOLF CLUB**

require a

## **HEAD GREENKEEPER**

Applications are invited from suitably qualified persons with experience in all aspects of Golf Course Management, with a proven ability to direct and motivate staff.

Salary by negotiation – no accommodation.

Written applications only, stating age, qualifications and work experience, to:

**The Secretary**  
**Thetford Golf Club**  
**Brandon Road**  
**Thetford**  
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## **HOCKLEY GOLF CLUB**

invite applications for the post of

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Applications are invited from suitably qualified greenkeepers with experience in all aspects of golf course management.

Hockley is a downland course with an excellent reputation for its greens, and regularly hosts County events for Hampshire.

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## **SHREWSBURY GOLF CLUB**

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### **HEAD GREENKEEPER**

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Salary negotiable, no accommodation.

**Commencing date 1st February 1987.**

Applicants should apply in writing with full details, by 31st October 1986, to:

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A fully experienced Greenkeeper is required to take charge of the maintenance of a long established 18 hole parkland golf course in the London area. The successful applicant must be self motivated and possess proven course and man management ability at the highest level.

Candidates should be able to demonstrate a sound understanding of the planning of golf course resources and expenditure and a positive and purposeful attitude towards the recruitment and motivation of suitable staff, including their tuition.

A salary appropriate to this challenging and permanent appointment will be negotiated.

Comfortable family accommodation will be provided and consideration may be given to full or part-time employment within the Golf Club for the applicant's spouse.

**Written applications are required, giving full career and salary details to date, to:  
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## **HADLEY WOOD GOLF CLUB**

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An experienced greenkeeper is required to maintain and improve this outstanding 18 hole golf course situated on the outskirts of North London.

The successful applicant should have a sound and practical knowledge of greenkeeping including irrigation systems and the maintenance of machinery.

Salary is by negotiation and short term accommodation is available if required.

Please reply in writing, giving details and experience, to:

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**Pier Mancinelli,**  
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# WHEN IT COMES TO ULTRA SAFE, ULTRA STRONG, ULTRA SURE RESIDUAL HERBICIDES WE'VE GOT IT TOGETHER!

Ultra-Sonic is a total weedkiller with residual activity. It is a unique formulation combining a foliar acting herbicide (glyphosate), which

controls annual and perennial grasses and broad-leaved weeds, and a residual herbicide (simazine) that prevents regrowth from weed seeds. Glyphosate is translocated from treated vegetative growth to underground roots, rhizomes or stolons. Leaf symptoms being a reddening then yellowing of the foliage, are seen first on grass weeds but take longer to appear on broad-leaved weeds.

Weeds should be fully emerged and have healthy, actively growing green leaves at the time of application.

Annual grasses and annual broad-leaved weeds can be treated at any time after active leaf growth has started in the Spring.

Common couch reaches the susceptible stage of growth when tillering and new rhizome growth commences, which usually occurs when the

plants have 4-5 leaves each.

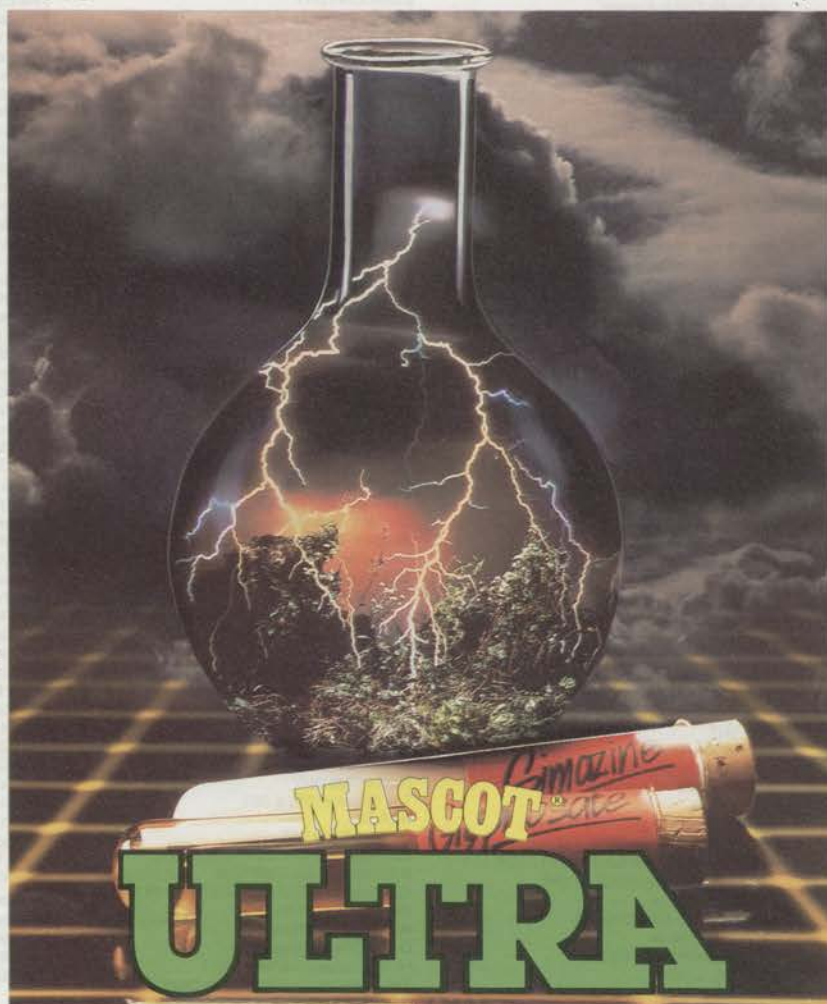
The majority of perennial broad-leaved weeds are at their most susceptible stage for treatment at, or near flowering but before the onset of natural or enforced senescence in the late Summer/Autumn.

Ultra-Sonic is of low toxicity, presenting little risk to operatives, wildlife or the environment when used as directed.

Ultra-Sonic is ideal for highway and industrial use and the control lasts all season.

In established shrubberies Ultra-Sonic will kill

existing weeds and give residual activity.



**SONIC\***  
Herbicide



**Rigby Taylor Limited,**

Rigby Taylor House, Garside Street, Bolton, BL1 4AE. Tel: (0204) 389888/394888.

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