

Greenkeeper



Royal treatment

Give your greens a regal look
with Jacobsen

Want greens fit for tournament play? Jacobsen Greens Kings and Greens Mowers give them the royal treatment.

Greens King IV (foreground) follows the greens' contours. Fully articulated, individually controlled reels let you maneuver around the edges. Reels steer in the direction turned—so there's no drag, scuffing or streaking. Power backlapping, without disassembly,

saves sharpening time and insures a quality cut. Convenient foot pedal delivers smooth, variable speed control.

The Jacobsen Greens Mower (background)—first on the green for over 60 years! It offers you a rugged frame for durability and precision. Yet the Greens Mower is lightweight, perfectly balanced and easy to handle.

It delivers the smooth tournament quality cut demanded by pro golfers.

So get the Jacobsen Greens King or Greens Mower. And give your greens the royal treatment.

**Morrison Industries Limited,
Bergen Way, King's Lynn,
Norfolk PE30 2JG
Tel: King's Lynn (0553) 76333
Telex: 818861**

**JACOBSEN
TEXTRON**

Jacobsen Division of Textron Inc.

Engineered from the ground up.

Staying Power!

That's what every one of our grass and garden machines has got ... even when the going gets tough! And that's because when we build a machine, we build it to last. So if you buy a machine from us tomorrow, we wouldn't expect to see you back for years ... unless, of course, you want a second one.



● BILLY GOAT

All rubbish gobbled up and pulverised in next to no time. Leaves and grass cuttings, fag-ends, newspapers - even small tin cans and bottles. Clears streets, precincts, football stadiums, sports grounds in next to no time. Several models.

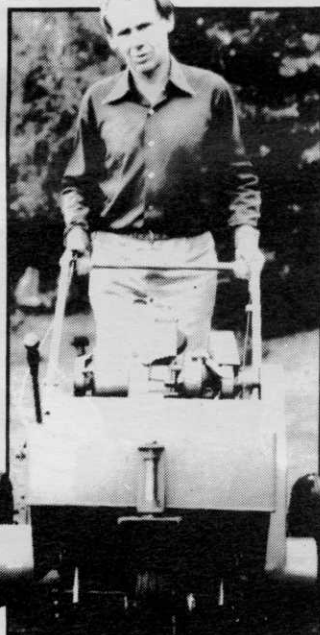
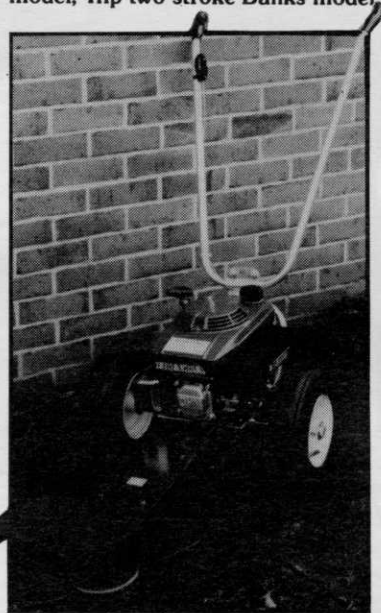


● UNBREAKABLE LIGHTWEIGHT RAKES

Made from a very special material which won't warp or break. Ideal for all-weather golf course use - lasts a lifetime!
Two sizes 14" and 21".

● AUTOTRIM

Precise enough to trim turf. Powerful enough to demolish bracken, heather and tree-suckers. Ideal for trimming neatly around any obstruction.
4hp Heavy Duty four-stroke model; 4hp two-stroke Banks model.



● TURF PUNCH

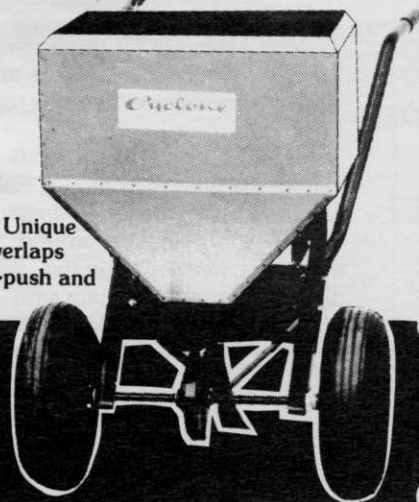
Lawn aerator for fine grass areas. Self propelled, it takes out 3½" cores at walking pace. Interchangeable tines for solid-tine spiking and deep slitting.
3hp four stroke engine.

PROFESSIONAL TOOLS THAT WORK HARDER, LONGER!

Full details of these and other Grass Maintenance machines from:

● CYCLONE MAJOR

The Major Spreader! It holds 100lb of most dressings, spreading any rate between ½-8oz per sq yd in 6ft wide swaths. Unique spread-pattern avoids overlaps or underlaps. Pedestrian-push and tractor-drawn models.



BOB ANDREWS LTD

Pontiac Works, Fernbank Road, Ascot, Berks.
Telephone (0344) 885575

This issue

JUNE 1986

NEWS & VIEWS 11
From association branches

PARKLAND PROBLEMS 14



By Martin Jones, head greenkeeper of the Saffron Walden club, Essex

COMPANY PERSONNEL PROFILE - 17
David Craig of Pattison

JACK LOOKS BACK! 18
Jack McMillan discusses his greenkeeping 'roots' with John Campbell

NOTEBOOK 21
The industry's mouthpiece...

LAST WORD 27

APPOINTMENTS 30

BUYERS' GUIDE 31

Publisher: Fore Golf Publications Ltd
Managing Director: Michael Coffey
Editor: Robin Stewart
Contributors: Jim Arthur, John Campbell, David Jones, Jack McMillan, Eddie Park, Donald Steel, Peter Wisbey and Walter Woods

All advertising matter, editorial copy and correspondence should be sent to: *Greenkeeper*, 121-123 High Street, Dovercourt, Harwich, Essex CO12 3AP. Tel: 0255 507526

Subscription rates:
UK—£14 Continent and USA—£25 Eire—IR £19

Greenkeeper is published ten times a year. Printed in England by J.B. Offset, Marks Tey, Colchester, Essex.
Copyright: Fore Golf Publications Ltd 1986

The Management of British Golf Courses

Since the series of articles by Nick Park first appeared in *Golf Monthly* they have done much to interest and inform the club golfer about the conditions under which he plays. When the complete collection was published by the Greenkeeper Training Committee, thanks to the financial assistance of the R & A, they created even more interest throughout the fine turf industry. However since *Greenkeeper* has advertised *The Management of British Golf Courses* for sale on behalf of the G.T.C. it has become apparent that a number of the original copies that we distributed never saw the light of day — in one small area of the country no less than ten head greenkeepers when asked by the chairman of a greens committee denied all knowledge of the book. Could it be they have even more to hide on their own courses?

In the next issue of *Golf Monthly* Nick Park has updated his thoughts and observations on how the various bodies in the game have performed in relation to their greatest assets, the golf courses, over the last year. It will no doubt make one or two more laymen sit up and take a greater interest in their own course's management, and make the task of all greenkeepers trying to preserve traditional golfing terrain and conditions a little easier.

One championship course which is clearly on the road to recovery is Carnoustie, under the guidance of Links Superintendent John Philp (see March issue of *Greenkeeper*).

At a recent public hearing in Carnoustie, Jim Arthur was able to state that the improvement in the last year was quite dramatic with the links fast returning to their natural character. Let us hope that it will not be too long before this famed links holds another Championship and returns to the Open roster.

The Management of British Golf Courses

by

Nicholas Park

Now Available from Greenkeeper

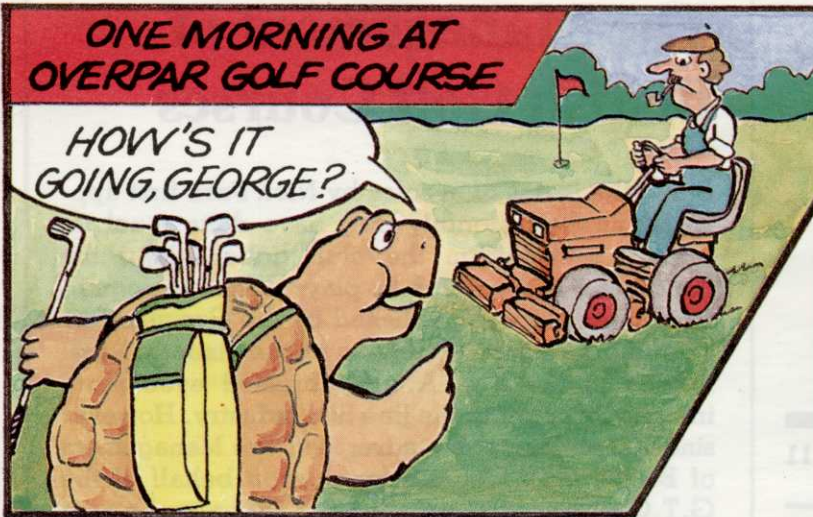
121-123 High St., Dovercourt, Essex. CO12 3AP

@ £2.20 per copy inc. P+P

Proceeds to the Greenkeeper Training Committee

ONE MORNING AT
OVERPAR GOLF COURSE

HOW'S IT
GOING, GEORGE?



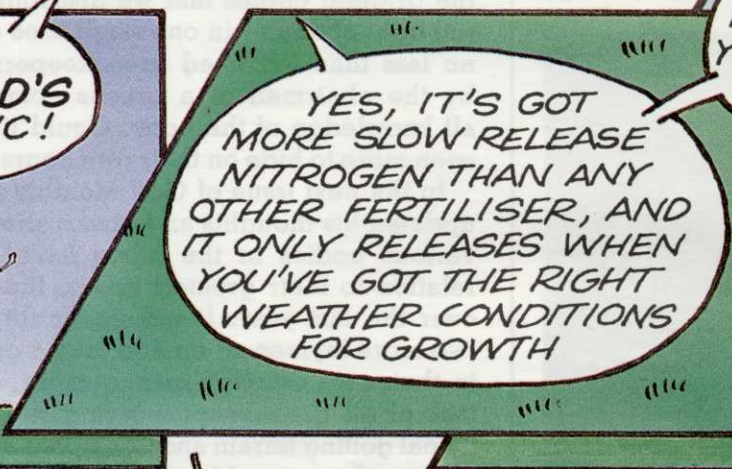
TERRIBLE. THIS FERTILISER
HAS SCORCHED THE
GREENS, THE FAIRWAYS
ARE GROWING LIKE MAD...
... AND I'M RUN OFF
MY FEET.



THAT
FLORANID'S
FANTASTIC!



YES, IT'S GOT
MORE SLOW RELEASE
NITROGEN THAN ANY
OTHER FERTILISER, AND
IT ONLY RELEASES WHEN
YOU'VE GOT THE RIGHT
WEATHER CONDITIONS
FOR GROWTH



AND THAT
CUTS OUT SUDDEN
FLUSHES OF GROWTH,
YELLOWING, PATCHINESS,
AND SAVES ON
MOWING



AND YOU
GET LESS
WITHERING
IN DROUGHT
CONDITIONS TOO



WITH AN
THE IMPROV
MIGHT EVEN
YOUR



The complete Floranid range is available from:



NATIONAL DISTRIBUTION & TECHNICAL ADVICE

George A. Palmer Ltd.
Horticultural and Amenity Division,
Oxney Road, Peterborough, PE1 5YZ
Telephone: 0733 61222

REGIONAL DISTRIBUTION

D.O. Hunt Ltd.
Unit 23, Crossgrange Trading Estate,
Fairfax Road/Cavalier Road, Heathfield,
Nr Newton Abbot, South Devon
Telephone: 0626 834499

T. Parker & Sons Ltd.
Station Approach, Worcester Park
Surrey, KT4 7NF
Telephone: 01 337 0861

Sports Turf Services
Newbridge Industrial Estate,
Newbridge, Midlothian, EH28 8LE
Telephone: 031 333 2345

John K. King & Sons Ltd.
Coggeshall, Colchester,
Essex, CO6 1NL
Telephone: 0376 61543

YOU SHOULD TRY THIS NEW FLORANID SLOW RELEASE FERTILISER

Floranid
N31+0+0
Slow release



IT'S PERFECTLY SAFE - YOU CAN EVEN USE IT WHEN IT'S FROSTY. IT WON'T SCORCH OR LEACH OUT LATER.



A FEW WEEKS LATER

LOOK AT THE DIFFERENCE FLORRI.



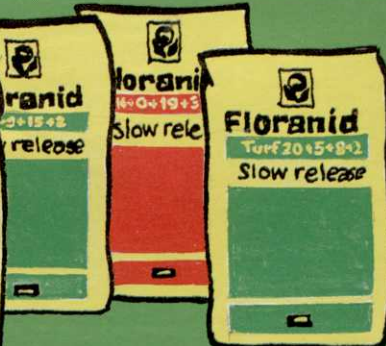
IT'S EVEN PUT SOME GREEN ON THE BARE PATCHES!



THERE'S LESS WEAR WITH FLORANID

THAT'S BECAUSE IT IMPROVES ROOT DEVELOPMENT

LUCKY GREENS IMPROVE PUTTING!



- BETTER COLOUR
- LESS MOWING
- QUICKER RECOVERY
- STRONGER, HEALTHIER GROWTH
- BETTER VALUE FOR MONEY

Floranid is a BASF trade mark.

S. Kenworthy Ltd.
Bollington Old Mill, Little Bollington,
Altrincham, Cheshire, WA14 4TJ
Telephone: 061 928 2397

Richard Aitken Ltd.
123 Harmony Row, Govan,
Glasgow, G51 3NB
Telephone: 041 440 0033

Supaturf Products Ltd.
Hartlebury Trading Estate,
Kidderminster, Worcestershire
Telephone: 0299 250 087

Supaturf Products Ltd.
Unit 2, Ripley Close, Normanton,
Wakefield, W. Yorks. WF6 1TB
Telephone: 0924 891000

Supaturf Products Ltd.
Dromenagh Farm,
Seven Hills Road, Iver Heath,
Buckinghamshire
Telephone: 089 583 2626

Supaturf Products Ltd.
Oxney Road, Peterborough, PE1 5YZ
Telephone: 0733 68384

Gwyn Cadogan
Woodside, Usk, Gwent, NP5 1XF
Telephone: 02913 2026

Grant & Co. (Fertilisers) Ltd.
Landore Station Yard, Siloh Road,
Landore, Swansea, SA1 2MS
Telephone: 0792 52285

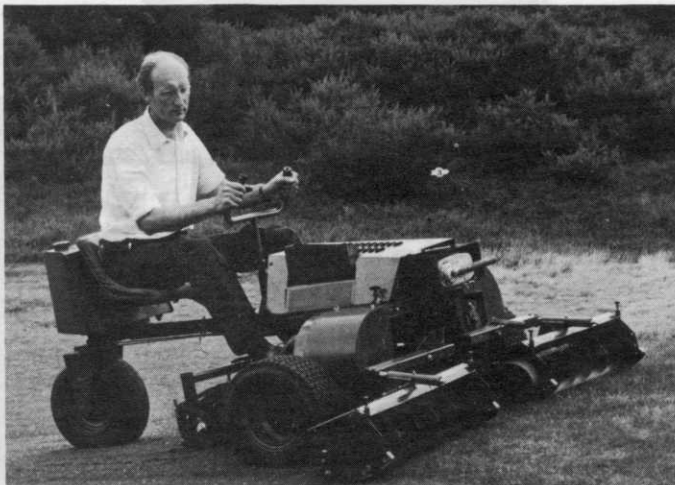
C. Hetherington Ltd.
Old Schools, Marley Hill,
Newcastle-upon-Tyne, NE16 5DY
Telephone: 0207 70363

BASF

A COMPANY WELL PROVED WITH TWENTY NINE YEARS EXPERIENCE IN TURF CULTURE AND MANAGEMENT — LAND MAINTENANCE — DESIGN AND CONSTRUCTION OF GOLF COURSES AND AMENITY AREAS.

For all commercial users

The largest stock of used and reconditioned modern equipment in the U.K. All types of hydraulic and trailed grass mowing equipment available. Reconditioned in our own workshops. Equipment available for sale or hire. Conversions carried out. Annual overhaul arranged. **You are never at a standstill!** Equipment loaned whilst your repairs are completed.



Landscaping, design and construction, tree planting and maintenance projects carried out. Extension and alterations to golf courses. Verti-draining.

Contractors to H.M. Government in U.K. and West Germany.

THE SIGN OF QUALITY

Design and construction of Heath Farm Golf Course, Waldringfield.



**Reconditioned by
C.D.C.
WORKSHOPS**
Chapel Works,
Waldringfield,
Woodbridge, Suffolk.
Tel: 0473-36-791-2-3

Design and construction of Priory Park Golf Course, Nacton, Ipswich.

“The Specialists”

CDC LANDSCAPE LIMITED, CHAPEL WORKS, WALDRINGFIELD, WOODBRIDGE, SUFFOLK.

A MEMBER OF THE CLARKE DEMOLITION AND CONSTRUCTION GROUP.



**Europe's leading
designers and manufacturers of
sports ground management
equipment**

SISIS EQUIPMENT (Macclesfield) LIMITED, Shoresclough Works, Hulley Road, Macclesfield, Cheshire SK10 2LZ, England tel: (0625) 26363 telex: 669795
SISIS Centre in Scotland, The Roundel, Middlefield Industrial Estate, Falkirk FK2 9HG tel: (0324) 29635

Ransomes build mowers as carefully as you choose them.

When you're looking for a real investment

we'll guarantee more than most.

Ransomes Grass Machinery

Ransomes Sims & Jefferies PLC

Ipswich IP3 9QG

Telephone: Ipswich (0473) 712222

Telex: 98174



At Ransomes we make no secret of the return you can expect, when you invest in a **Mounted Hydraulic 5**—we don't need to.

It will give you a high output—up to 7,200 acres a year. Then there's the low maintenance bill. And taking all costs into consideration, an outlay per acre of as little as £1.70.

As for performance you'll be able to judge for yourself, especially on fairways and semi-rough, where undulations make normal mowing difficult.

So with Ransomes we make no bones about our guarantee either. A full 12 months for professional usage.



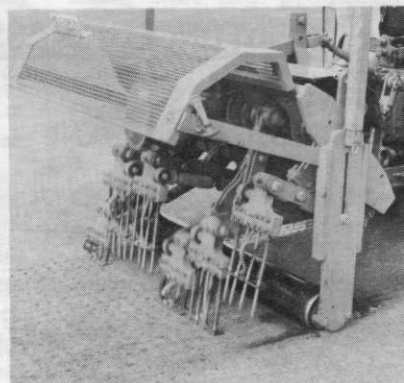
Ransomes build mowers as carefully as you choose them.

JOIN THE GROWING LIST OF THOSE WHO HAVE USED THE PROFESSIONALS



MAJOR

+



CAPTAIN

British Association
Landscape Industries



Engage SCC's land army for all your maintenance, course improvements, construction, landscaping and hiring needs.
All types of turf care equipment for hire.



S/C/C Lands Maintenance Ltd

12 Foxburrow Close, Haverhill, Suffolk CB9 9JJ.

Tel.: Haverhill 62369

Watermation

FOR ALL SPORTS TURF IRRIGATION

You can't beat us when it comes to first class irrigation. With over 15 years experience behind us, we have installed irrigation systems all over Britain, in all the best places, and our sprinklers pop-up in Ireland, in Europe and in Africa.

But you probably know about our past. In the future we will continue to offer the best automatic irrigation installations but now we are ALSO OFFERING A NEW RANGE OF SPRINKLERS, CONTROLLERS AND OTHER SPECIALIST EQUIPMENT, ALL DESIGNED AND BUILT BY WATERMATION IN ENGLAND.

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

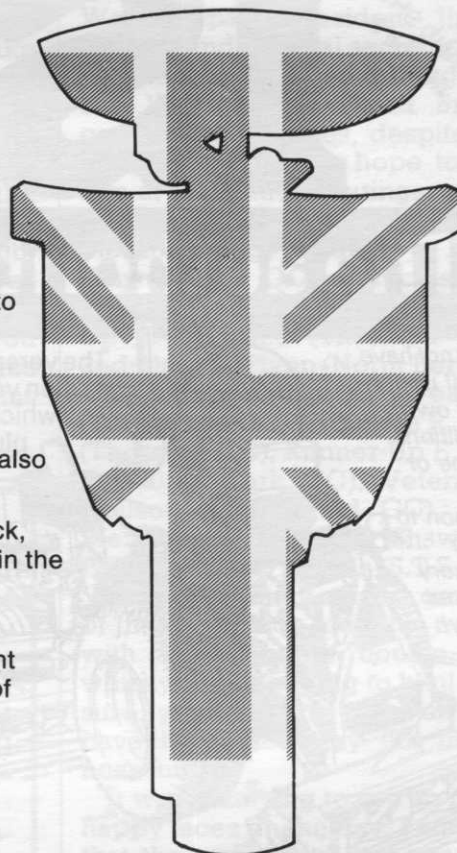
So if you have a golf course, tennis court, bowling green, running track, football pitch . . . or even a whole town to be irrigated and monitored in the Middle East, we can offer you irrigation equipment which is specially designed and suitable for the needs of those areas.

Naturally, we can still supply you with all our usual range of equipment and spares and in fact we now have the most comprehensive range of irrigation equipment in the Country. THE CHOICE IS YOURS.

WATERMATION LTD.

Monument Way E.,
Woking, Surrey. GU21 5LY.
Woking (04862) 70303

also at:
Stirling (0786) 70252
Dublin 760964

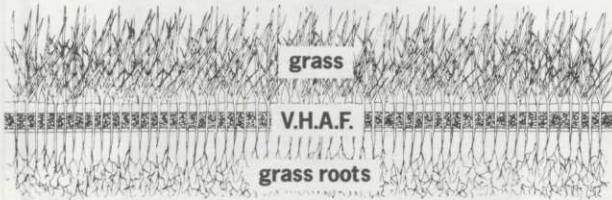


And now, from the innovators

Nottinghamshire County Council have been researching and developing synthetic grass systems for over fifteen years. They recommend –

V.H.A.F. REINFORCED GRASS

REPLACE WORN OUT AREAS WITH V.H.A.F. GRASS REINFORCEMENT



Particularly useful for worn out goalmouths (as installed by Leicester City Football Club), the V.H.A.F. reinforced grass system consists of a synthetic carpet through which natural grass grows. Players have the satisfaction of performing on natural grass and groundsmen have the reassurance that the root system is well protected by the hard wearing V.H.A.F. synthetic carpet.



NOTTS SPORT



For technical advice and information contact:
Nottinghamshire Sports & Safety Systems Limited, Launde House, Harborough Road, Oadby, Leicester LE2 4LE. Telephone (0533) 718892/716344/716027.

For further enquiries, please return coupon to: Nottinghamshire Sports & Safety Systems Limited, Launde House, Harborough Road, Oadby, Leicester LE2 4LE.

Name:

Address:

Telephone No: Date:

Tr/G/1 JUNE

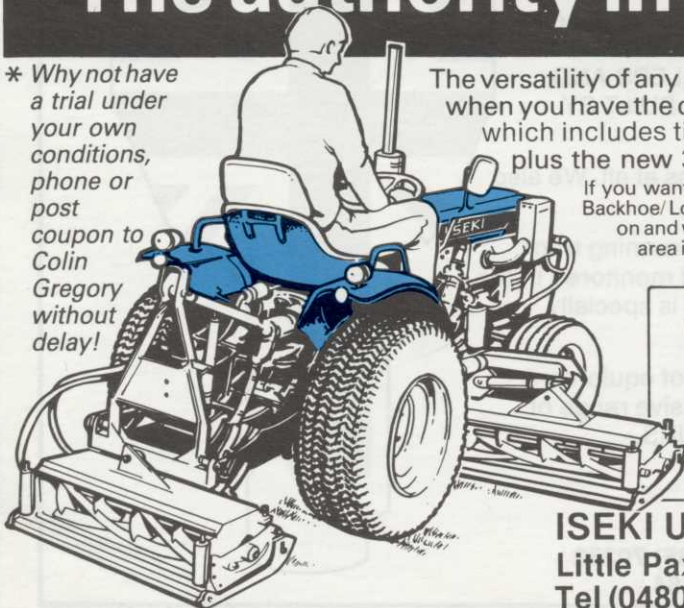
ISEKI

ROYAL HIGHLAND SHOW
Stand 69, Avenue 9

ROYAL SHOW
STAND K40

The authority in compact tractors

* Why not have a trial under your own conditions, phone or post coupon to Colin Gregory without delay!



The versatility of any model from 16 to 72hp 4WD is second to none, particularly when you have the choice of such a vast selection of all British-Built attachments which includes the much acclaimed ISEKI BEAVER GM 386 Triple Mower plus the new 3 and 5 Gang Mowers.

If you want to dig, what better than the exceptional D224 Backhoe/ Loader combination. The choice goes on and on and with Sales and Service Distributors in your area isn't it time you found out more about the best in the business.



ISEKI UK LTD Bydand Lane,
Little Paxton, Huntingdon, Cambs
Tel (0480) 218100 Telex 32528

Please send details as ticked box
Literature
Nearest Dealer
Trial/Demo

Name

Address

Tel No



Ayrshire

The section held a joint seminar with the West at the Inverclyde Sports Centre, Largs recently. It proved a successful venture and the question sessions were very stimulating.

The morning talk was provided by Billy Lockie, professional at Kilmarnock Barassie GC, and Robert McLaren, who represented the Ayrshire Golf Union. Our own Harry Diamond and Cecil George joined the panel for questions and all have to be thanked for their contributions.

A film presentation and a display of products formed the afternoon session by a team from Century Oils by arrangement with D.G. Allan Oils, our local distributor.

We would like to thank Don Hamilton for his assistance in setting up the day. D.G. Allan Oils also put on display the trophy they have provided for the best student at Woodburn House. It should prove a big incentive for students to work hard.

Thornhill GC at Dumfries proved to be a good choice for the section's spring golf outing. The course was in excellent order and we thank Harry Kerr and his staff for the hard work they put in and the club committee for the courtesy of the course.

We had 50 at the outing - among the number was the SIGGA president and we thank Walter for taking the trouble to travel so far. We also welcomed seven greenkeeping friends from Northern Ireland and their company was greatly enjoyed by everyone, especially when it came to harmonising and storytelling!

Congratulations to all prize-winners and thanks to our friends from the South-West who turned out in excellent numbers.

Scratch C. White (Largs CG) 78, 1st-Class D. Wilson (Turnberry Hotel) 83-7-76, Runner-Up R. Burke (Irvine CG) 86-9-77.

2nd-Class M. Power (Troon

Darley) 86-14-72, Runner-Up B. Semple (Dalbeattie GC) 86-10-76.

3rd-Class G. Heron (Turnberry Hotel) 92-22-70, Runner-Up T. Parker (West Kilbride GC) 94-18-76.

Visitor F. Ainsworth (Northern Ireland), Senior H. Diamond (Ayr Belleisle), New Member K. McCarty, (Dumfries and Galloway), Trade R. Bruce.

Two-Ball Foursomes C. White and A. Anderson (Largs GC).

Tickets for the Open prize draw should be with you by the time this magazine is distributed. Please work hard at selling the tickets as this has proved a great success in boosting the section's funds and the SIGGA education fund.

For the first prize, we are giving a weekend in Paris, by arrangement with A.T. Mays (Travel Agents). This is a tremendous prize and well worthy of a 50p ticket. Second prize is a pair of composite tickets for next year's Open Championship at Muirfield. Third prize is a more instant package of composite tickets, for two, for the Glasgow Open at Hags Castle in August.

Other prizes will also be provided in relation to the amount taken in ticket money to satisfy the Lotteries Act. If any members not in SIGGA (Ayrshire) wish to take part in the draw, please contact me by letter and I will send them tickets.

You will have had an application form for bunker-raking at the Open. This again provides an opportunity for greenkeepers to obtain access to the Open and gives the possibility this year of following one match for a round. You could be drawn with Ballesteros or Lyle, so please send the forms back quickly!

Recently, we had corres-

Obituary

It was with deep regret that we learned of the death of Stevie Donnachie on Saturday May 10. Stevie, a past president of SIGGA, had recently retired as head greenkeeper of Royal Deeside Golf Club, Aberdeen.

A fully obituary will appear in the next issue.

pondence with the Californian branch of the USGA regarding twinning with them. This started when Harry Diamond, our chairman, met the president of the California Course Superintendents at St Andrews and we will keep the section informed of further progress.

J. Paton, Section Secretary, Glenhaven, 1 North Road, West Kilbride, Ayrshire KA23 9AQ. Tel: West Kilbride 823210.

East

The East section held its annual spring tournament at North Berwick, CG - 54 members, guests and trade attended on a cold and windy day.

Despite the weather, everyone enjoyed themselves and we are very grateful to the captain and council of North Berwick for the courtesy of the course and clubhouse, head greenkeeper Willie White and his staff for the condition of the course and Mr and Mrs Turnbull for the excellent catering.

We were honoured to have with us SIGGA president Walter Woods, past president Jimmy Neilson and general secretary Joe McKean. It was also a delight to see life member David Brown completing 18 holes, despite the conditions, and we hope to see him at many more outings.

Joe McKean presented prizes to the following: Scratch J. Paton (Turnhouse GC), 1st-class R. Bullock (Seahouses GC), Runner-Up I. Menzies (Thornton GC), 2nd-class D. Flynn (North Berwick GC), Runner-Up C. Yeaman (Turnhouse GC), 3rd-class R. Blair (Thornton GC), Runner-Up E. Holt (Dunakeir Park GC), Veteran J. Neilson (Murrayfield GC), New Member S. Pearson (Shawpark GC), Trade M. Dennis (S.T.S.).

It was certainly a nice gesture of Jimmy Neilson to fill his trophy with whisky - of course, the whisky didn't belong to him! I am sure young Chris Yeaman will have it replaced by Jim in the near future.

It was gratifying to see so many happy faces on the day. I am sure that the troubles of last year are

Continued on page 13...



Kent

At the recent AGM, several interesting points were raised – one such was that all events seem to be held in the eastern part of the county.

This is perfectly true, but the fact is that, at the moment, the vast majority of members are resident there and it is felt only right to hold meetings central to the largest membership area.

In a county as big as Kent, it will not be easy to please everyone all time, but we hope to please everyone sometimes and some people all the time!

The situation will, however, be monitored and when we get a few more members in the western part of the county, we can hold more meetings in that area.

A committee was press-ganged (sorry, elected!), with Peter Wisbey re-elected chairman and myself secretary. New to the committee are John Millen of Canterbury, Chris Mardon of West Malling, Steve Richardson of Cobtree Manor and Steve Suttle of Sene Valley.

This is the first time for a long while that we have been able to get so many people to volunteer their services. With a growing membership and a full committee, we will be able to organise some good events for the future.

In these Kent notes, we would like to publish any interesting happenings at your club or anything out of the ordinary that you greenkeepers get up to! "What interesting things do greenkeepers get up to?" I hear you ask.

Well, how about running in the London Marathon as Steve Suttle did in April. Steve raised money for Leukaemia Research, which he did to the tune of over £200. His time was 2hr 52min 29sec, which sounds to me a pretty good time to run 26 miles, but Steve said that he was hoping for ten minutes better! His final placing was 1,422. Well done, Steve.

Peter Wisbey managed to top

up all his bunkers recently with a few hundred tonnes of sand and then, a few days later, we suffered the highest winds on record for this area. Need I say more? Hard luck, Peter.

John Millen spent a week or so building a reinforced concrete road from the club entrance 300 metres along to the greenkeeping shed. This was built to full specification and saved his club some £6,000 over a contractor doing the work.

If you have any items of news like these, please contact me at the address below or John Millen.

Many Kent members attended the national EIGGA conference and all report that it was, once again, really excellent, with good speakers and a good atmosphere. Our thanks go to Danielle Jones and everyone else who put such a lot of hard work into making it a real success.

Talking of success, no prizes for guessing who won the conference team quiz – yes, it was the 'B Team' from Kent. Well done, lads.

*John Atkins, Branch Secretary,
134 Swalecliffe Road, Whitstable,
Kent CT5 2QA.*

South Wales

The branch will hold its summer golf tournament at Royal Porthcawl on July 29. To follow the day's golf, there will be a three-course dinner and a lecture by Mark Black, a top golf-course superintendent from Florida.

By now, members will have received their entry forms for this event, which should be returned, together with the correct remittance, to Mike Wilson, Golf Administrator, 18 Randall Square, Pembrey, Dyfed – all cheques should be made payable to 'EIGGA South Wales.' To ease the strain on branch funds, members are asked to donate prizes.

Congratulations and best wishes go to Robin Bryson, first assistant at Ashburnham GC, who is leaving the area to become head greenkeeper at The Warren, South Devon.

Raymond Hunt.

Surrey

As you may or may not know, April 19 was the Surrey dinner-dance date. Due to such a poor response from the membership at the Drift, it will probably be the last. I thank those who did attend and I'm sure you all enjoyed yourselves. I should like to convey my thanks to the committee for a superb job in organising the event.

To all members, I would like to say that if you will not support the committee in all the hard work that goes into organising seminars, lectures and socials, I can see the Surrey branch becoming just a golf society and that would be a shame.

Surrey used to be very active, but now it is embarrassing to attend functions as so many are made up of the trade and not greenkeepers.

And, finally, if you want to improve your image in golf clubs, when you turn up to play don't arrive wearing jeans and without a jacket and tie. Dress smartly, be well-behaved and proud to be greenkeepers. Let the club members see that you are responsible. Otherwise, you will always be looked upon as 'just grass cutters.'

Bert Watson

One of Surrey's longest serving members, H. Emery, died recently. His career included 20 years at Chipstead GC and 18 at Walton Heath. The sympathies of the branch go to his wife and family.

All members should have received entry forms for the Cresta Cup, McMillan Tankard and the MacGillivray Shield, as well as a fixture card for the year. If anyone has not, they should contact me.

The first-round draw for the Huxley Bowl is shown here. 'Home' pairings should arrange the matches, which are to be played by June 15. R. Morton and N. Roe or H. Brown and D. Wall v P. Smith and N. Damper, R. Johnson and D. Johnson v P. King and J. Jennings, K. McNiven and G. McNiven v I. McNiven and C. McMillan, I. Jennings and B. Tomlin v A. Davey and M. Lower,

R. Thompson and A. Lomax v A. Armitage and P. Weston, A. Watson and I. Huggett v A. Bradshaw and P. Jordan, K. Munt and Partner v S. McMillan and P. Pearse, W. Martin and J. Noble v B. Turner and D. Shaw.

Belated congratulations go to Cameron McMillan for winning The Golfer Of The Year Trophy for 1985.

Finally, the subject of this winter's series of lectures was raised at the last committee. It's hoped that we can have an evening when the 'branch entertains the branch.' If any Surrey member would like to give a half-hour talk or has any ideas for suitable lectures, please contact me as soon as possible.

Paul Pearse

North-West

The North-West was very well represented at Warwick for the EIGGA conference.

All of those in attendance would like to express their thanks to the board of management, especially Danielle Jones, for all the hard work and excellent organisation that went into the conference.

Among the many good papers delivered were two excellent ones by Derek Green of Royal Liverpool GC and Dave Lucas of

Macclesfield GC, both of whom we all thought did the North-West proud.

The committee has arranged an evening at Watmore's Turfland on Tuesday June 24 at 6.30 pm. A tour of the turf-nursery, a demonstration of machinery and slideshow should make an enjoyable and interesting evening.

All members are invited and they should contact Terry Adamson (administrator) on 0978 83 2908 or Rick Fletcher (chairman) on 051-625 9898 for further details. *Guy Cannings.*

The Chairman's View Of Warwick

A resounding success is the only way to describe the recent EIGGA conference at Warwick. This can only be due to the superb organisation of EIGGA's general administrator Danielle Jones.

Having attended the previous conferences at Brighton, Cambridge and at Warwick in 1985, some things have struck me. First, the enthusiasm of the first year has not diminished.

My background is a green-keeping one and, as far as I remember, there was not a lot of sharing of knowledge previously. The answer to a question regarding fertiliser or top-dressing was usually "a bit of this and a bit of

that." But during these residential conferences, and this is where the biggest step forward has taken place, greenkeepers have communicated more openly with each other - even mistakes are admitted.

Papers presented in the lecture theatre spark off discussion over a meal or a drink, sometimes into the "wee small hours."

One point of note is that greenkeepers themselves are delivering well-presented papers and not only the senior members of the profession.

The session that involved the three younger members, namely David Merills, Cameron McMillan and Raymond Hunt, was an eye-opener. Nervous they no doubt were and, as the chairman of the first session of conference, I certainly know what they were going through, but the preparation was obvious.

The quiz, sponsored by Rigby Taylor, was a chance to show that we are knowledgeable about general subjects, too.

At the end of this, and previous conferences, I have returned to Hartsbourne rejuvenated. The club realises that attendance at an event like this is to their benefit, as well as mine, and I am extremely grateful for their support.

What do I look forward to now? the 1987 EIGGA conference - see you there!

David Low, EIGGA chairman.

SIGGA NEWS & VIEWS - CONTINUED...

forgotten and that the section will be stronger than ever. There are still some subscriptions to come in - if you have not paid, please do so now or your name will be deleted from the mailing list.

There are three dates for your diaries - Wednesday June 4, an outing to Prestonfield starting at noon; the Scottish outing at Downfield on Thursday June 19 and Wednesday September 24, an outing to Royal Musselburgh.

Bunker-rakers are required for the Open Championship at Turnberry from Thursday to Sunday, July 17-20. If you would like to help, please get in touch with me as soon as possible. Free lunches will be available, plus an admission ticket. It is expected that demand for this will be high, so don't delay.

W. Blair.

Central

The section's golfing season began with the spring outing at Lundin Links and, once again, the weather was against us.

Undaunted, some 40 members and guests turned up and those who braved the elements to play should all have been given an award. Nevertheless, everyone enjoyed themselves and the prize-winners were: Best Nett J. Kidd 83-11-72, Best Scratch W. Woods 77, First-class 1st Handicap D. Mackinson 81-3-78, 2nd Handicap C. Stewart 84-4-80, Second-class 1st Handicap G. Blyth 114-24-90 (best inward half), 2nd Handicap J. Park 109-19-90, Visitors' prize A. Jack 87-7-80, Trade prize G. Brown 95-9-86, Two-Ball Foursomes D. Peddie

and F. McNeil 48-16½-31½.

Our thanks go to George Suttie and his staff for having the course in such excellent condition, Mr and Mrs Stewart for the excellent meals and service and to the council and members of Lundin GC for the courtesy they extended to us.

Membership of the section now stands at 92, which is an increase of 17 over last year. To all members of the section who have taken up new posts over the past few months, we offer our congratulations and wish them every success for the future.

Would any members who have moved recently, please inform me - failure to do so will result in no mail or magazine.

John Crawford

PARKLAND PROBLEMS

By Martin Jones, head greenkeeper at Saffron Walden Golf Club, Essex

IN Britain today, there are more parkland golf courses than links, heath and moorland put together. Nearly all new courses will, of necessity, be termed parkland.

But, in 1898, one Garden G. Smith wrote: 'It is quite certain that, had the ground on which ordinary inland golf is played today been the only available ground for the purpose, the game would never have been invented at all.'

I'm grateful to Garden G. Smith for providing me with an ideal introduction and to F.W. Hawtree for including this quotation in his excellent book *The Golf Course*.

'Golf was born on the links of Scotland, and this is the true game, the Royal game, the Ancient game. Around the turn of the century one or two far sighted men saw possibilities in open heathland and began the trend toward inland golf. True parkland courses followed a little later, and between the wars there was an inland golfing boom which has continued to this day.'

There were a few very early parkland courses, e.g. Royal Blackheath in the 17th century. Such places were largely unrecognised as golf courses - overgrown, lush, worm-infested and only playable for a few months a year.

I make no apologies if these words sound familiar - they have been used repeatedly to describe courses in the 1980s. These very early courses were cursed with the same parkland problems we find today. Fortunately, we have, or should have, the knowledge and technology to solve them.

The key to successful golf-course management lies in the imitation of nature. This applies to architecture and greenkeeping or, if you like, terrain and turf.

The terrain - or land - of the original Scottish courses was gently undulating linksland. Many heathland sites had similar

terrain and were fashioned into excellent courses. But parkland varies from the mountainous to the billiard table flat. It is the skill of the architect that extracts the best from these usually non-ideal sites.

Recently, at a place called Loxahatchee, Jack Nicklaus has built an undulating links-like course on a piece of totally flat Florida land. Over one million cubic yards of soil were moved in the process. This is obviously an extreme case. In practical terms, the aim should be to provide interest and variety with the minimum of earth moving. This applies particularly to changes made to established courses. It often rests with the greenkeeper to keep everyone's feet, literally, on the ground.

One obvious feature of parkland courses, virtually absent on their links ancestors, are trees. Early architects immediately saw the possibilities of trees and with only a little opposition, perhaps too little, they were quickly incorporated into the framework of golf.

Trees perform three functions on a golf course - strategy, penal-

ty and aesthetics. Discussion on the relative merits of strategic and penal architecture I'll leave to the architects and the 'Spike Bar Experts'.

It is in aesthetics, the quest for beauty, that the course manager must be most careful. At no stage can he afford to lose sight of the fact that he is employed to provide a turf surface upon which to play golf.

Trees cast shadows and restrict the flow of air over turf. Damp, thin, diseased fairways are too high a price to pay for a few autumnal weeks of attractive foliage. In addition to the direct effects of trees on turf, there is an indirect one. The management of trees is labour intensive. Leaf sweeping, debris collecting, pruning and, ultimately, felling are all time-consuming tasks, time that could be better spent tending the turf on which the game is played.

For new planting, indigenous species are obviously best, but they should be restricted, bearing in mind the needs of the turf.

Also, unwanted seedling trees must be controlled. At Saffron



Not a pretty picture - unsightly scrub.



Poa Annuu devastated by Basal Rot - the 2nd at Saffron Walden.

Walden, heavy rough areas are high mown once or twice a year to prevent them turning to scrub and, ultimately, woodland. Isolated, self-sown specimens are marked for protection, but they are well-spaced and remain solely for aesthetic reasons.

Originally, parkland was for looking at and possibly the grazing of deer. The large estates had sufficient money and cheap labour to maintain their trees. Today, those parks are golf courses and with many clubs already lacking the resources to maintain their turf to the highest standard, we can ill-afford unnecessary trees.

I'm not suggesting that all trees should be felled, merely that they be put in perspective. Some trees contribute directly to the way the game is played, either strategically or penalty. Some trees enhance the appearance of the course. But overplanting, or lack of seedling control, detracts from the open aspect of a golf course, which is fundamental to the production of quality golfing turf.

On the subject of turf, the greenkeeper's job is to manage a surface on which to play golf. A sound management plan is essential for any enterprise. Many basic management textbooks include the following:

Objectives - these are the aims of the organisation. In the case of golf-course management, these would be the ultimate standards desired, given the constrictions of site, climate and resources.

Policy - management actions to achieve the objectives.

Feedback - problems met in the implementation of policy,

which may suggest changes to policy, but not to objectives.

Setting objectives in the business world is the province of top management of a golf club is not qualified to establish objectives for the course, so the not qualified to establish objectives for the course, so the greenkeeper/course manager should offer help and advice. The objectives can be as brief or extensive as you like and this can be best illustrated by an extract from the long-term objectives at Saffron Walden:

'The surface of the tees should be dry, firm and, above all, level. The total teeing area at each hole should be sufficient for year-round use. The sward should be composed of mainly *Agrostis* and *Festuca* grass species and as free as possible from *Poa Annuu*, weeds, coarse grasses and moss.'

Once the course manager knows what is required of him, his job becomes much easier. But it must be made clear that objectives do not change with the committee chairman.

Now it is known what is required, policy can be set. This is best done with the guidance of an agronomist - obviously, an advisor sympathetic to the objectives should be selected. Policy is essentially a basic management programme to achieve the objectives.

Referring again to my course, the policy is one of maximum aeration of all areas, with minimum use of fertilisers and water. It is set out to achieve the long-term objectives and will produce a certain kind of course. The top management of the club

must be prepared for the type of turf you are striving for. Without such a system, nobody knows whether you are winning or losing.

So, objectives and policy have been set and agreed. The resources have been made available and the implementation of policy can begin. This is where we meet the parkland problems and we find ourselves back with those very early courses - overgrown, lush, worm-infested and only playable for a few months a year.

The inherent fertility of parkland soils - especially when compared to links and heaths - produces a huge 'crop' of grass annually. The inland spread of golf was only made possible by the development of the mower. Virtually every square yard of a parkland course requires some form of mowing. Modern machines enable us to carry out the job fairly quickly, but the operation is enormously expensive in terms of men and equipment.

However, it is not necessary to carry out wall-to-wall close gang mowing - usually proposed in the name of 'speeding up play' or 'keeping the place tidy.' An attractive and, in summer, penal grassland can be maintained by infrequent mowing. Even then, the mowing operation merely controls seedling trees and woody weeds. On some sites, occasional weedkilling may be necessary in isolated areas. Clovers can be particularly troublesome in the rough. Here, expenditure, and especially labour, must be minimised to enable the main playing areas to receive the most attention.

Steep banks should be avoided wherever possible, for they look unnatural and are difficult to mow. Where such banks are present, or unavoidable, growth retardants are becoming more popular. There are three types available, each having advantages and disadvantages. If bank mowing is a problem, these chemicals are certainly worth trying.

Routine mowing occupies most of the summer months and a parkland course manager is well aware of the need for efficient, well-maintained mowers, replaced to a planned schedule. Without mowing, a parkland

Continued overleaf...



Contrasting healthy *Agrostis* and sick *Poa Annua* - the 3rd at Saffron Walden.

course would be unplayable by the end of May.

The long-term solution to this particular parkland problem lies with the grass breeders. Cultivars that grow only to a specific height will soon be available. If machinery and labour costs continue to rise at the present rate, it may prove economical to spray off grass in the rough and re-sow with 'non growing' cultivars but, for now, that is just science fiction.

Parkland courses were, and still are, built on a wide variety of soil types, but at least two problems - earthworms and less than ideal drainage - are usually found.

Casting worms spoil the turf surface and should not be tolerated, even if the soil naturally favours worms or their presence is a result of previous faulty management. Fortunately for the time being, we have a most-effective wormkiller in Chlor-dane. This gives long-lasting worm control, but its other effects are unknown. It certainly controls insect pests, deters moles and birds and, if a suitable warning sign is posted, keeps a few golfers off the course.

Control of worms reduces weed problems, but on a fertile parkland soil, the course manager needs to be ever-prepared to deal with heavy infestations. Plantains and daisies are particularly undesirable in any great number.

Drainage, however, is a subject in itself and one I'll leave to the experts. One thing is certain - aeration helps. My motto is: 'If you are stuck for a job, go out and put a few holes in some turf.'

There is a wide range of machines available for this work. Hollow, solid or slit tines all have their applications. With aeration machinery getting quicker and wider, hand-forking is often the only way to treat small inaccessible areas, e.g. narrow paths between bunkers.

The old parkland courses were only playable for a few months - many present-day parkland courses are only fit for play for a few months. In over two hundred years, all we have managed to do is to persuade golfers to play under poor conditions. The reasons for this are well-known - *Poa Annua*, excessive thatch and a lack of aeration. While these are not unique to parkland courses, they are real or, at best, potential problems on all parkland sites. They are found on all areas of the course, but it is the greens that illustrate them best.

My objectives for putting greens (a much better phrase, with the emphasis on *putting*) are that they be in use for as much of the year as possible, firm, fast and true and composed of *Agrostis* and *Festuca* grass species as much as possible. No mention is made of turf density, colour or holding properties.

All management practices are geared towards achieving these aims. That the policy of maximum aeration, minimum water and fertiliser will ultimately achieve these ends is not in doubt, but there are problems in doing so. Many many think they are insurmountable, but this has not been the case at many courses up and down the country.

The first problem is the

psychological barrier of assessing quality. The first converts must be the greenstaff. You can have the very best intentions, but if you judge a green by its appearance from fifty yards, then disappointment is inevitable. Colour is irrelevant and as long as the ball rolls fairly smoothly, then some bare patches are nothing to worry about. After all, bare ground is a potential site for the desirable grasses to colonise. I'm often being told by members, usually the older members who play every day of the year, that the greens look awful... But putt really well.

It is a good 'political' move to use temporary greens as little as possible - the harder turf will stand it better anyway. This gives the members one of the benefits of *Festuca/Agrostis* turf, before they really have it. Besides, play in frosty weather appears to damage *Poa Annua* most.

There are many difficulties in presenting thin *Poa Annua* dominated turf for play. You cannot reasonably expect it to be easy if you are trying to kill it. But *Poa Annua* in turf, like any plant community, will try hard to survive. With lush, rapid growth and seedhead production, it rises like a phoenix from the ashes. Frequent verti-cutting, mowers fitted with combs and always boxing off cuttings, all help to remove as many seeds to the dump as possible. It can also present an acceptable putting surface.

I have had some early success using Aqua Gro wetting agent to suppress seedhead formation. Two half-rate applications made around the time of seeding appear to prevent the flowers developing fully. Whether these seeds are still viable, I do not know - they certainly are less obtrusive - and it gives a short-lived improvement in putting quality.

But this is merely an annual hiccup - for most of the year, you must maintain a turf composed partly of vigorous *Agrostis* areas and partly of thin, weak *Poa Annua*. This is most striking in early spring, when the bents start growth a couple of weeks earlier, while the *Poa* is still yellowish and semi-dormant.

With the one advantage of *Poa Annua* - the ability to quickly recover from wear and damage -

Continued on page 19...

COMPANY PERSONNEL PROFILE – DAVID CRAIG OF PATTISSON

David Craig, 63, represents Pattisson, suppliers of equipment for golf courses and sports grounds. He is married with one son.

"My parents came from Arbroath," David said. "Father was a foreman engineer with Shanks. We moved to London with the company in the early 1920s before my father started a mower repair business in 1928. After leaving school, I studied to be a purser on Royal Mail Lines, but my training was abandoned by the imminence of war."

David's tall, muscular frame endowed him with all the attributes of a first-class athlete and he competed for London as a hurdler and sprinter. Once again, the outbreak of war overshadowed ambition, as it did for most young men. After a short time in the fire service as a dispatch rider, he joined the RAF and spent five years overseas as a wireless operator.

With demob in 1946, he followed his father into the engineering business. "Just after the war, transport was at a premium and we hired vehicles to pick up equipment for repair or I travelled on buses with my bag of tools to service machinery on golf courses.

"The main items of equipment in use then were Ransomes Mark 1 and 2 gangmowers, which were brutes to service. Handmowers, such as the Certes, Golf Lynx and the Lloyds' range, were popular. At that time, motor mowers really had not become fashionable – the Overgreen was in vogue and I remember spending a lot of time overhauling this machine that was considered labour saving. One man could mow 18 greens in six hours using the Overgreen.

"After my father died in 1953, I carried on the business until 1976. I then joined Pattisson as van sales rep. I enjoy working for this famous firm, which is approaching its centenary in the business. In the early days, they also made tractors and power units specifically for golf courses and sports grounds. A director invented the first hydraulic gangmower, but the prototype was never developed, which was a pity for it would have been a



David Craig.

great innovation then.

"My territory, loosely called the Home Counties, covers the south coast, Surrey, Sussex, Kent, Beds, Herts, Essex and London – seven counties in all with around 380 golf courses."

David is a popular figure at greenkeeping association meetings and tournaments. "I have a soft spot for the BGGGA, since my father was one of those instrumental in setting it up in the early '20s.

"I was disappointed that they never really progressed in the manner that the founders originally intended. This ultimately led to a split in the ranks and EIGGA was formed. I have nothing but admiration for the way this new association has organised itself."

With an extensive engineering background, did he have any predictions on machinery trends? "I think greenkeepers are well-served with all the sophisticated equipment now available, although I believe small tractors are going to play an increasing role in the upkeep of golf courses. The only thing I regret is our reliance on so much equipment from foreign countries.

"As I travel around, I am sometimes appalled by the dirty condition of machinery being put away at the end of a working day. Oil changes and lubrication are only luxuries that get done on wet days. During the cutting season,

you frequently see mowers badly abused, dumped in untidy sheds and left there with grass cuttings in the box.

"On the other hand, there are courses where the equipment is treated with care and respect. I maintain you can always tell how good a course is by looking in the machinery sheds to see how the equipment is cared for.

"Over the years, I have made many friends in greenkeeping, some were outstanding characters. Reluctantly, I'll single out two. Jock Glass (Thorpe Hall), who is now enjoying retirement, was the southern section chairman for many years. He did a lot at national level to raise the status of greenkeepers. He was an excellent chairman and, above all, a first-class greenkeeper.

"A completely different character was George Hitchcock, who looked after Coombe Hill. He was a perfectionist, yet a modest, humble man and one of the better greenkeepers of the post-war years. He was a great friend of Henry Cotton."

David recalled a final amusing story on the attitude of some earlier greenkeepers to the advent of labour-saving machinery. "I remember visiting a well-known club in the Wirral with my father to see a Ransomes Overgreen triplex mower being demonstrated. Quite a crowd of greenkeepers and club officials from neighbouring courses had been invited.

"On the green selected for the trial, the machine quickly came to grief with three damaged cylinder reels. After substituting a spare cutting unit and hasty repairs to the other two, the demonstration resumed. But the same thing happened again! I later learned that some of the greenstaff thought their jobs might be at risk through this new-fangled machine and had hatched a plot to put a spanner in the works. Nails had been dipped in green paint and then stuck in the turf to foul the mower blades!

"Greenkeepers today would never stoop to these tactics – they have come to accept progress and the industry has a bright future."

JACK LOOKS BACK!

Greenkeeper correspondent John Campbell spoke to Jack McMillan (Sunningdale) about the 'old days.'

WE often discuss the wisdom and methods of an older generation of Scottish greenkeepers - long experience of turf upkeep certainly taught them a lot. Those that I knew were very shrewd characters - overuse of fertiliser was something they studiously avoided.

They knew what it was like to push a 16 inch Certes mower over a green during vigorous growing conditions and for that reason they cunningly kept the use of turf stimulants to a minimum.

There are not too many greenkeepers around nowadays who know what it is like to physically shove a hand mower over six or nine greens three times a week. Keeping your machine properly set was an art that you had to become familiar with to do a good job. The secret was to keep the cylinder reels razor sharp so they would spin freely.

I recall some of my early days as a young assistant greenkeeper at East Renfrewshire Golf Club, where there were many open ditches. It was difficult to mow close to the edges with gangmowers, so the fringes of water hazards were kept tidy with a little Pennsylvania side-wheel mower. Steep bunker slopes and banks around tees were laboriously mowed this way.

It demanded sheer brute strength in your legs and arms to propel the machine through soft, heavy growth. The art of scything was something that every greenkeeper learned to keep down long grass in awkward corners of the course.

One of my jobs was to mow along the edges of what seemed miles of ditches with a side-wheel mower. It was a struggle to keep it delicately balanced on one wheel as you pushed the machine along the slippery edge. It was all very hard work, calling for a certain amount of

finesse and dexterity to skilfully avoid landing up with your mower in a deep ditch.

We mowed the greens twice weekly with a 16 inch hand mower. When there was a lot of growth, we used to cut them three times a week. Mowing six greens was considered a morning's work. In the afternoon, my job was to hand sieve and mix a barrow load of seed and soil for the repair of divot marks on fairways. We usually concentrated on the landing zones and tees were also done at the same time. We were expected to wheel the loaded barrow from the sheds to where the work was to be done.

The only powered mowers were two 18 inch Atcos - one with a kick start, the other a crank handle. It was my job to cut aprons and green surrounds with one of these machines every week. The tees were cut with the other machine - each of these tasks was usually considered a good day's work for a man.

We had no earthmoving

equipment for construction jobs and I can remember building a cut and fill tee at the 11th hole where it was all pick, shovel and wheelbarrow work. It involved digging into the face of a hill and using the spoil to build up a new tee.

Our methods were simple and the materials used were what was available to us on site. We built a number of tees and greens by these primitive methods and I'm pleased to say that they are among the best on the course, well able to cope with an ever-increasing amount of wear and tear.

Tractor-mounted equipment for excavating was unknown - drainage systems from main leaders down to laterals were all dug out by spade and shovel. Thousands of yards of field tiles were laboriously transported from the sheds in wheelbarrows to avoid tracking up the course with tractor and trailer wheels.

We always took vainglorious pride in proclaiming that golf was cheap in Scotland. Consequently, course budgets



Jack's family 'team' is headed by wife Rita.

were always fairly meagre, putting strict limits on the amount of cash we could spend on course upkeep. It was not until the 1960s with an increasing interest in the game created by the media and TV, that we found more money becoming available to allow a greater investment in staff, machinery and equipment.

Higher subscriptions, increased membership, more golf society play and one-armed-bandits all contributed to the growing affluence of many clubs and they found more money to spend on the course than before.

Coinciding with all this, we began to see the introduction of expensive, highly sophisticated labour-saving machinery. Those who for years had been accustomed to running courses on a shoestring, suddenly found themselves being swept along by the relentless tide of automation. Clubs were beginning to realise they had to spend on plant and machinery to maintain their courses at a higher standard and also to cope with all the problems created by the ever-increasing amount of play.

Looking back on my early career in greenkeeping, it was accepted that most of the work required a certain amount of sweat and toil. Manual labour was more plentiful and jobs were filled by convenience without particular regard for qualifications beyond the need for physical stamina.

Our knowledge was acquired by observation, asking questions, listening and gleaning what information we could from older and more experienced men. Job improvement evolved largely through ingenuity and the need for less laborious methods - there was little opportunity for educational improvement.

I am pleased that modern sophisticated machinery has taken so much of the drudgery and backache out of the work and has helped us to accomplish many jobs more efficiently and economically. The future is bright for young men now coming into the business. The job is more challenging and the rewards commensurate with the responsibility of running a first-class golf course. ●

PARKLAND PROBLEMS CONTINUED...

gone, greater care is necessary in all everyday greenkeeping tasks. Machinery must be maintained to high standards. Oil or petrol leaks can be disastrous on slow-growing, at times, near dormant, turf.

Cutting cylinders should be razor sharp for use on tender turf. Regular backlapping, even weekly on greens mowers, is most important. This is all made much easier if the equipment is maintained and replaced on a planned basis.

Obviously, low-density turf cannot absorb vast quantities of sandy top-dressing at one time. Several light dressings, spread through the season, are necessary. This treatment, with adequate staffing and mechanisation, can be achieved with little disturbance to play and further helps to smooth the putting surface. For example, this year I plan to give five or six dressings at half a tonne per green throughout the summer and a final double-rate dressing in the autumn.

The frequency of aeration usually recommended on our heavier inland soils, between weekly and fortnightly, presents some problems. On a thin turf, with inevitably some bare areas, frequent slitting will cause some surface disruption. But, with care, patience and well set up machinery it can be minimised. Disturbance decreases as time goes on.

Commonsense would suggest that weak *Poa Annua* should be more disease-prone than healthy *Poa Annua*. In fact, it is less likely to suffer severe attacks of *Fusarium* patch. Fungicide use drops dramatically with lower applications of water and fertiliser. The money saved could be spent on top-dressing - quickly, before the club treasurer notices!

On the other hand, starved turf is susceptible to Basal Rot, caused by the fungus *Colletotrichum graminicola*. It attacks *Poa Annua* mainly, so chemical treatment is not required - even if it were possible. It starts innocuously enough with a slight yellowing of the leaves but, combined with starvation, it can devastate a *Poa Annua* dominated area.

The policy stated minimum use of fertiliser and water. But how much is minimum? Commonly recommended fertiliser mixtures are zero phosphate, zero potash, a little nitrogen, plus iron. The aim is to kill the *Poa Annua* over a number of years - not all in the first year. You cannot continue to supply the nutrients essential for healthy growth of *Poa Annua*.

The same applies to irrigation. I try to keep *Agrostis* thriving, while *Poa Annua* is continually under stress. Just how far you can push it depends on how well you have done your public relations, how committed the green chairman is and how thick skinned you are.

Golfer education is a good idea - try to get as many members on your side as you can. A folder of appropriate articles left in the clubhouse certainly helps. In the height of summer, I keep the greens dry and keep out of the bar! In the autumn, I reappear to remind the moaners that the greens are good in winter because they were dried out in summer.

These are some of the problems commonly found in the management of a parkland course. Some, such as excessive growth, can be solved with money and manpower. Weeds and worms can be treated with accurate and intelligent use of chemical technology. Lastly, the problem of the turf quality has to be tackled with guts, determination and not a little diplomacy.

To the golfing purist, parkland courses can never be ideal. But they are the most numerous and are usually conveniently sited. It is the course manager and his staff who allow golf to be played at all. The greater their skill and professionalism, the better the golf.

In conclusion, I believe that we should have good golf courses that happen to be on parkland and not parks where golf is sometimes played.

It is the golf that matters - not the park.

● *The above text formed an acclaimed paper delivered by Martin Jones at the recent EIGGA conference.*

Each year, if you had
98,532 shoes stomping over you,
24,384 golfcarts wheeled
 across you swards (nasty!)
54,368 balls hit directly at you.
 Stood out in the cold,
 drenched in the rain,
 bared to the wind,
 scorched in the sun,
 and constantly mown down.



Wouldn't you need a little help from SEAMAC

These famous courses do . . .

“ . . . I have been using Seamac for about nine years. Now that I have been using it for so long, I find that smaller maintenance doses, at regular intervals, maintain the thick sward all year round.”

Jim McDonald
 Royal Lytham & St. Annes

“ . . . I use it on all the greens, and on fairways at bottlenecks and other stress points. Seamac works by giving a better root system to turf thus growth is healthier and stronger.”

Walter Woods
 Royal and Ancient, St. Andrews

“ . . . I am using Seamac here as I did at Woburn and value it chiefly for the resistance it enables the grass to have to drought, also the quick powers of recovery.”

Derek Green
 Royal Liverpool Golf Club

Help is at hand with SEAMAC 600 for TURF

It improves sports turf on golf courses, bowling greens, tennis courts, football, rugby, hockey and cricket pitches, and amenity grass.

SEAMAC
 AGRICULTURAL LIMITED

Foundry Lane, Chippenham,
 Wiltshire SN15 1JB



available from

T. Dene and Son, The Mill, Maidstone Road, Ashford, Kent. Tel: 0233 25987

T. Parker and Sons, Worcester Park, Surrey, KT4 7NF. Tel: 01 337 7791

Maxwell Hart Limited, 612 Reading Road, Winnersh, Wokingham, Berks. Tel: 0734 785655

Radnor Garden Supplies, Waterloo Road, Llandridod Wells, Powys, LD1 6BH. Tel: 0597 2266

E. T. Breakwell Limited, 814 Stratford Road, Shirley, Solihull, West Midlands, B90 4JB. Tel: 021 744 4477/8/9

Supaturf Products Limited, Osney Road, Peterborough, PE1 5YX. Tel: 0733 68384
 also at: 2 Ripley Close, Normanton Industrial Estate, Normanton, Nr. Wakefield, Yorkshire.
 also at: Unit 31 Hazelwell Road, Sturichley Trading Estate, Sturichley, Birmingham.

Rigby Taylor Limited, Victoria Works, Garside Street, Bolton, BL1 4AE. Tel: 0204 389888

also at: Unit 9a Warwick Industrial Estate, Budbrooke Road, Warwick. Tel: 0926 401444

Joseph Metcalf Limited, Brookside Lane, Oswaldtwistle, Accrington, BB5 3NY. Tel: 0254 393321

Joseph Bently Limited, Barrow on Humber, South Humberstone, DN19 7AQ. Tel: 0469 30501

Stewart and Co., Seedsmen Limited, Stronghold Works, Mayfield Industrial Estate, Dalkeith, EH22 4BZ. Tel: 031 663 6617

Richard Aitkin (Seedsmen) Ltd., 123 Harmony Row, Govan, Glasgow, G51 3NB. Tel: 041 440 0033

Sports Turf Surfaces, Newbridge Industrial Estate, Newbridge, Midlothian Tel: 031-333-2345

New Farm Trials Endorse Hormones For Denser Sward

Farmers are just proving scientifically what leading greenkeepers have known for years - that natural plant hormones, applied to grass, can improve the quality of the sward and enable grass to respond more generously to routine care treatments.

The technique has long been proven on cereals, but the growing importance of grass in the costings of feedstuffs has prompted a more careful look at the extension of established hormone treatment to the grass crop and some of the figures quoted from trials make compelling reading for anyone engaged in the management of grass.

Trials carried out for Seamac Agricultural by specialist grassland farmers bear out the wisdom of what many greenkeepers already practise, based on experience and instinct. And a research programme promises fuller information, which will enable Seamac 600 natural hormone extract to be used with even greater precision and benefit on golf courses. More trials, to be independently monitored and assessed, are in the programme for this year.

In the meantime, it is worth noting that on one farm where observations were carried out with grass grown especially for a drying plant (which was, therefore, managed and measured more closely than is customary on a normal livestock farm), reports spoke enthusiastically of increased tillering and a noticeably heavier 'bottom' to the sward.

The trials were extensive enough to be significant - ten acres treated with Seamac 600 compared with ten adjacent acres untreated.

The management of such grassland has certain parallels with golf course turf, since it involves a series of repeated cuts through the season, with quick recovery needed so that cuts may follow each other as quickly as possible. All the signs pointed unmistakably to the effect of Seamac 600 stimulating tillering,

giving a denser sward from a vigorous root system.

Greenkeepers who already use Seamac 600 will know it is a wholly natural, non-toxic product that is environmentally safe and can be used on turf in constant use. The reinforcement of the grass's own natural hormone resources increases photosynthesis, stimulates more tillers and enables the plant to resist drought. The resultant thicker sward stands up better to traffic.

It is emphasised, by the manufacturer and greenkeeper users, that Seamac 600 does not call for any change of existing basic turf technique. Applied by sprayer at any time during the year, it is absorbed through the leaves and works by regulating the natural growth processes of the grass, thus actually enhancing the effect of whatever routine treatments the greenkeeper normally practises.

It has been the general rule to apply Seamac 600 to golf courses particularly as part of the autumn and spring management programme. One of the first results of the agricultural trials on grass is to suggest that there are extra benefits to be derived also from applications throughout summer, particularly to combat drought stress and the wearing-out of the sward in areas of heavy traffic.

The peak of the effect of treatment seems to come some weeks after application, but further work is being done this year on timings and greenkeepers may prefer to work out methods to suit their specialised demands.

It should be realised that hormones cannot themselves make grass grow from earth that is already bare, but they can improve the density of already growing grass, thus enabling it to stand up to the various stresses imposed upon it.

New Hydraulic Cylinder Mower From Green's

Green's has introduced to its range a triple gang hydraulic cylinder mower for use on smaller compact tractors from 16 din upwards.

Called the triple Bantam, this mower is mounted on the tractor three-point linkage and driven by a tandem pump on the pto, giving an 84in cut.

Each gang unit is independently controlled for cut, lap and lift and a mechanical safety cut-out is incorporated to prevent each cylinder running when lifted.

The outer gangs can be lifted while the gangs on the ground

continue to cut, allowing manoeuvrability round trees, benches, etc. Cylinders are 7½in diameter and are available with five or eight blades. The Bantam is priced at £3,340 (plus VAT) with five blades and £3,409 (plus VAT) with eight blades, including a one-year commercial warranty and free delivery.

Green's machinery is distributed in the UK by Claymore Grass Machinery, Fergus Square, Arbroath, Angus (Tel: 0241 73841) and 37 Dulverton Road, Witton, Birmingham (Tel: 021-326 7171).



The Green's Bantam triple hydraulic cylinder mower.

One Success Leads To Another

After the launch last September of specially formulated water-soluble back-lapping compound, Charterhouse Turf Machinery received many requests from users to provide a simple means of revolving a mower cylinder backwards at low revolutions.

To meet this demand, Charterhouse Turf Machinery has designed the Charterhouse Easy-Lap back-lapping machine. Adjustments for different size cylinders are by means of a hand-wound screw thread, between 0-150mm.

Power comes from a heavy-duty electric motor, fan-air cooled and fully insulated, driving a bevel gear reduction gearbox with dual output for fitting to both left and right handed cylinders via a universal coupling. The motor is fully shielded and weatherproof.

The combination of a back-lapping machine and compound will leave mowers sharp in minutes and regular use will reduce the need for regrinding. Easy-Lap is available with either a single phase or three-phase motor and costs £480 (excluding VAT).

Full details of the Charterhouse Easy-Lap back-lapping machine and back-lapping compound can be obtained from Charterhouse Turf Machinery (Sales), Pink's Yard, Church Road, Milford, Surrey GU8 5JD. Tel: 04868 24411.

Using Pesticides Safely

Practical advice on how to use pesticides safely is given in three free leaflets published by the Health and Safety Executive

(HSE).

Carl Boswell, chief agricultural inspector, said: "Crop spraying can be a risky business. It is essential that operators know how to protect themselves and how to keep pesticides on target crops, where they belong."

Last year, the HSE's agricultural inspectorate issued 114 notices requiring action to be taken in the safe use of pesticides. Nineteen people were prosecuted and fines totalling almost £6,000 imposed by the courts.

Training In The Use Of Pesticides lists organisations providing courses for spray operators. *Protective Clothing For Use With Pesticides* stresses that different chemicals and operations need different protection. It gives advice on choosing and using protective clothing including face shields, coveralls, gloves and boots. *Crop Spraying* is a revised leaflet updating advice on precautions with pesticides and includes a handy reference chart.

All the leaflets, plus a free wallchart, are available from HSE public enquiry points in Sheffield (on 0742 752539), Bootle (on 051-951 4381) and London (on 01-221 0416/0870).

Toro Reshapes UK Network

Toro Irrigation has announced a major restructuring of its dealer network. Toro representation is now shared by three regional distributors which, between them, will be responsible for all irrigation markets in England, Scotland, Wales and Northern Ireland.

The distributors are Turf Irrigation Services of Sandbach, Cheshire, Golf Landscapes of

Brentwood, Essex and Irrigation & Slurry Services of Downton, Wiltshire.

Toro dealers include Sports Turf Services, Edinburgh, Stewarts Construction of Paisley, Par Four of Ripon, Smiths of Grimsby and the Jersey Farmers Trading Union.

Peter Roberts, general manager of Toro Irrigation, said: "We have centralised operations on these three main dealers because of their deep involvement, length of experience, consolidated knowledge and success in the fine turf and sports irrigation markets."

Contact Peter Roberts at Toro Irrigation, Unit 7, Millstream Trading Estate, Ringwood, Hampshire BH24 3SD. Tel: 04254 6261.

Tee Alternative

Firstee - an all-weather tee from Chipman - is a 12sq ft silica sand filled artificial grass carpet. Because of its porous nature, it always provides a good teeing surface.

There's ample room to vary tee-off positions and, being level with the existing tee, it eliminates that uncomfortable feeling of stepping up or on to an artificially prepared surface.

Greenstaff have found Firstee ideal for tree-shrouded tees where it is almost impossible to keep a good grass covering. Installation is simple and maintenance comprises an occasional brush over and top-up with sand.

Chipman is marketing Firstee not as a winter substitute, but an all-year-round alternative to turf. Further information from Chipman on 0403 60341.

farmura

'1976-1986 10 YEARS OF RESEARCH AND SERVICE TO TURF'

The Liquid Organic Fertiliser

Make it part of your management programme — from re-seeding to maintenance

farmura

benefits include

- * Thicker sward
- * Deeper roots
- * Improved germination
- * Greater resistance to stress

For detailed information, contact your distributor or

Farmura Ltd, Stone Hill, Egerton, Kent. Tel: Egerton (023376) 241

farmura

has been used on a wide variety of sites including

- FOOTBALL GROUNDS - Wembley, Aston Villa, Arsenal, Coventry
- GOLF COURSES - Birkdale, Lytham St. Annes, St. Andrews, Woburn
- RACECOURSES - Ascot, Ayr, Chester, Uttoxeter
- LAND RECLAMATION - Work in progress on NCB sites
- ALSO on cricket pitches, bowling greens, tennis courts - in fact, wherever grass is sown, grown and mown

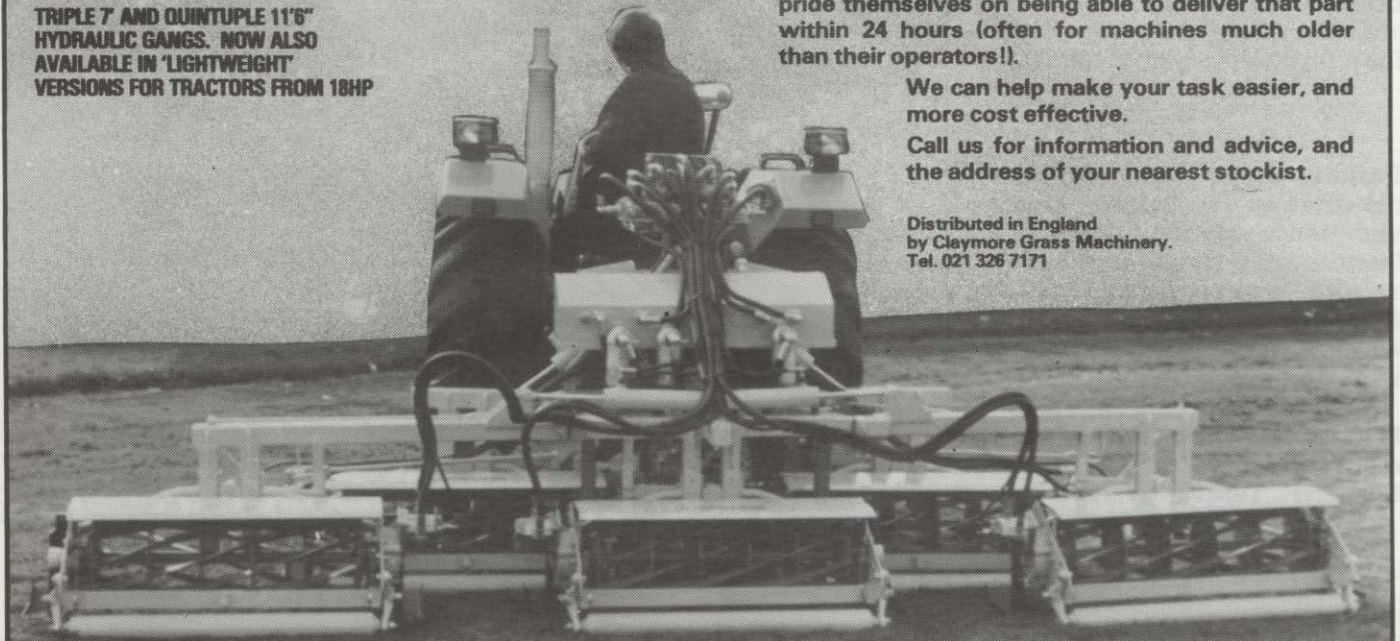




GREEN'S

HYDRAULIC HY-RANGER

TRIPLE 7 AND QUINTUPLE 11'6"
HYDRAULIC GANGS. NOW ALSO
AVAILABLE IN 'LIGHTWEIGHT'
VERSIONS FOR TRACTORS FROM 18HP



In the battle to maintain fine grassed areas, there is no better weapon than a GREEN'S mower. Every machine is built to cut in even the worst conditions and built to last.

Every machine is designed for minimum maintenance and when that seasonal maintenance is required our watchword is accessibility.

When a spare part is needed our central stores pride themselves on being able to deliver that part within 24 hours (often for machines much older than their operators!).

We can help make your task easier, and more cost effective.

Call us for information and advice, and the address of your nearest stockist.

Distributed in England
by Claymore Grass Machinery.
Tel. 021 326 7171

ARBROATH, SCOTLAND, DD11 3DR, U.K.

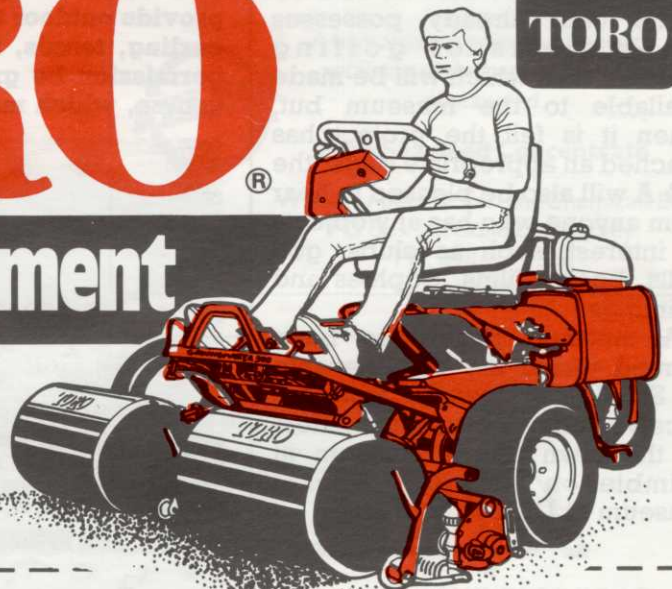
Telephone (0241) 73841

Telex: 76559

TORO

TORO

management equipment



If you want the best equipment that will ensure the finest finish whatever the climate or ground conditions it can only be TORO. The GREENSMaster 300 with new cutting unit is in a class of its own and is recognised throughout the world as the No 1. If you are looking to improve your greens, fairways and any other grass areas there's a model to suit the task. For example, the 'big boy' illustrated left is the REELMaster 350D, tough, reliable 50hp, 4 cyl, diesel engine, 5 cutting units to effectively get through 10.5 acres an hour, day in day out!

Why not have a word with Graham Dale who will be delighted for you or your operative to get behind the controls... the only trouble will be, getting you off!

Please send details as ticked box/s

Literature Nearest Dealer Trial/Demo

Name _____

Address _____

Tel No _____

LELY (UK) LTD STATION ROAD, ST NEOTS, CAMBS PE19 1QH
TEL (0480) 76971 TELEX 32523

People, Places, Products

Brian D. Pierson (Contractors) has been awarded contracts for the construction of a nine-hole course at Charterhouse Public School and nine holes at Moors Valley Country Park for Wimborne council. The company is actively involved in negotiations for a further six golf courses.

Parkers have been appointed distributors for Surrey, London and south of the Thames for Suzuki two-stroke and four-stroke general-purpose industrial engines - from 3.5hp upwards - portable generators and water pumps.

Further information from T Parker & Sons (Turf Management) Worcester Park, Surrey KT4 7NF. Tel: 01-377 7791.

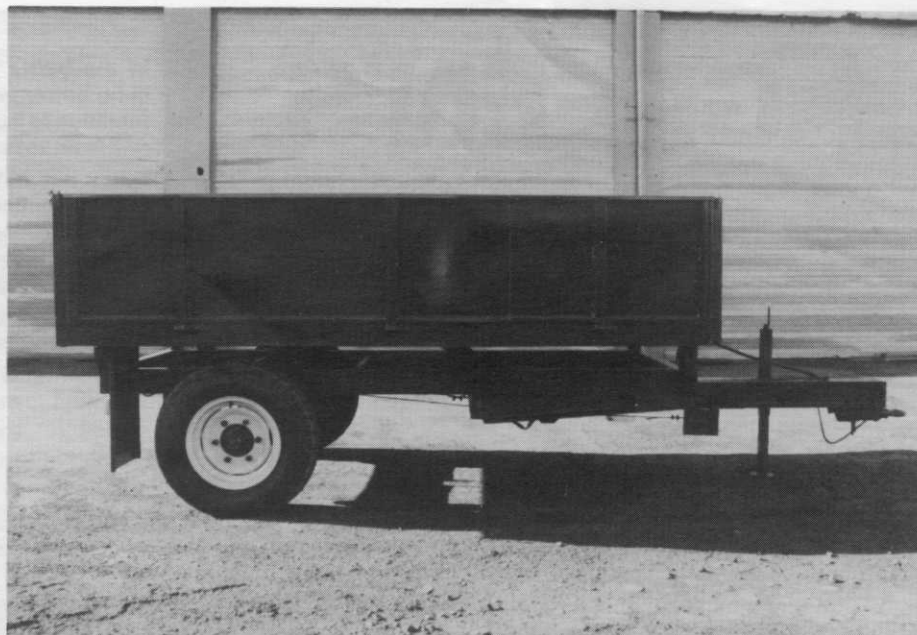
The Royal & Ancient Golf Club aims to establish a golf museum at St Andrews. To be known as The British Golf Museum, it will be housed in a separate building to the clubhouse and open to the public.

The club already possesses many items of golfing memorabilia, which will be made available to the museum but, when it is felt the project has reached an appropriate stage, the R & A will also be pleased to hear from anyone who has any objects of interest, such as clubs, golf balls, books, films, trophies and paintings.

A museum panel has been formed under the chairmanship of Sir Alistair Denny, who has received advice from the curators of the lawn tennis museum at Wimbledon and the cricket museum at Lord's.

Lolode Trailers, the lightweight division of King Trailers, recently fulfilled an order for 22 five-tonne capacity, on-site tipping trailers for the Volta Region African Development Project.

The pto operated tippers, designed for use with agricultural tractor units, feature 2ft steel dropsides and



Out of Market Harborough and into Africa, tippers from Lolode Trailers.

are fitted with a single axle. They were despatched in kit form.

Further details on the trailers

can be obtained from King Trailers, Riverside, Market Harborough, Leicestershire LE16 7PX. Tel: 0858 67361.

St Andrews could have a new championship golf course, together with a hotel and leisure complex, if planning permission is granted for a £5m development scheme. The site for the Craigie Hill project is 107 hectares a few miles north-west of St Andrews at Leuchars.

The 100 bedroom hotel will include restaurants, bars, clubrooms and a swimming pool. The adjoining sports complex is intended to provide outdoor tennis courts and indoor facilities, including squash, curling, tennis, fitness rooms and saunas. Should outline planning permission be granted, outside funding will be sought for the golf course, which may be floated as a public company.



Artist's impression of the new development at Craigie.



**Irrigation systems
designed especially
for your course...**

Backed by over 20 years practical experience, Turf Irrigation Services offer a wealth of professional knowledge few other companies can match.

Tees and greens, fairway watering or perhaps a complete overhaul or extension of your present irrigation system – a word with Turf Irrigation Services, the people who design and install to the highest standards, will ensure that your final choice is the right one.

Write or telephone for professional attention.

**Turf
Irrigation**
Services Limited

Betchton, Sandbach, Cheshire, CW11 0TS.
Telephone 04775 255/6. Telex 367122 TIS G

TORO
MAIN DEALER

RiteFeed

**Natural
Goodness**

NATURES OWN FERTILIZER

**PROBABLY THE BEST LIQUID SEAWEED
PRODUCT IN THE WORLD**



A high alginate growth stimulator retaining all the natural benefits of seaweed.

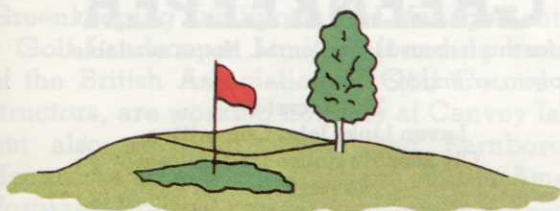
Pure Seaweed Concentrate

Write for details · Farrant Chemicals Ltd
PO Box 26, Guildford, Surrey.
PH: 0483 574562

Chosen to work at the centres of excellence in sport...

Pebble Beach, The Berkshire, Wimbledon, Newmarket, West Ham and so on...

GOLF LANDSCAPES LTD.



ASHWELLS ROAD
BENTLEY, BRENTWOOD
ESSEX. CM15 9SR

Telephone: (0277) 73720
Telex: 995215 GOLF LG

*The proven experience in the field
for construction, drainage and irrigation*

WE CARE FOR FINE TURF



But don't just take our word for it. Put us to the test and ask for a no-obligation demonstration on your course, grounds or sports surfaces. We'll be amazed if we don't get on famously.

HUXLEYS — SUPPLYING AND SERVICING TURF EQUIPMENT DESIGNED TO EARN ITS KEEP...AND MORE.

CUSHMAN TURF-CARE PRODUCTS & FRONT LINE RIDE-ON ROTARIES ●

HUXLEY HYDRAULIC REELMOWERS FOR COMPACT TRACTORS ● ROYER SOIL

SHREDDERS & POWERSCREENS ● THE LITTLE DAVID STUMP REMOVER

Huxleys
Grass Machinery
Hillside
Thorpe Lea Road
Egham
Surrey TW20 8JG

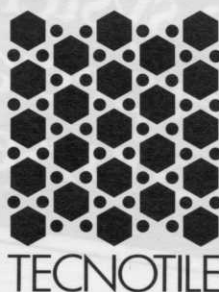
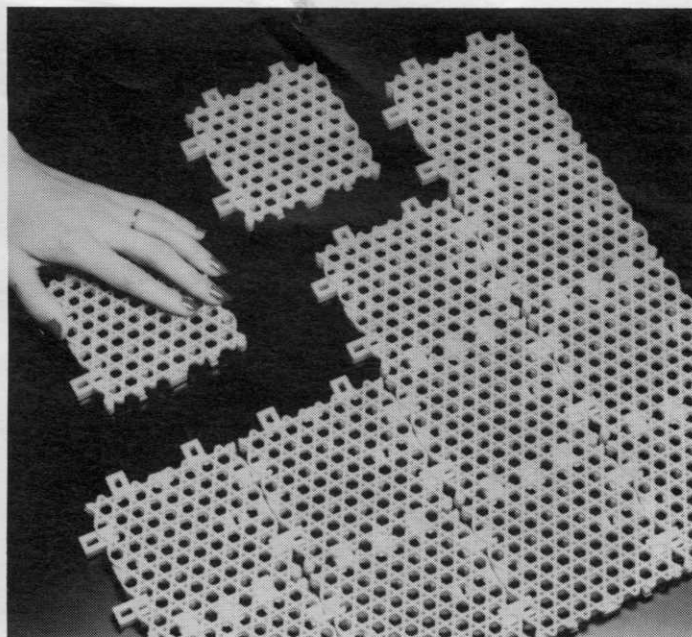


Huxleys
Grass Machinery
The Dean
New Alresford
Hampshire
SO24 9BL

Tel: 0784 38666

Telex: 894426

Tel: 096273 3222



NO DIVOT FILLING
INSTALLATION ON TURF OR SEED
ALL YEAR PLAYING
LESS MAINTENANCE
LIGHTWEIGHT AND TOUGH
CAN BE ROLLED UP
PROTECTS GRASS ROOTS
NO MUDDY PATCHES
EXCELLENT GRIP FOR PLAYERS

TECNOTILE 64 OAKHURST GROVE LONDON SE22 9AQ 01-693 6287

BEWARE of Imitations "FENDRESS"[®]

High Quality Golf Green Top Dressing (FENDRESS) available in bulk loads of 10, 15, 20 and 25 tonnes delivered anywhere U.K. Mainland, N. Ireland.

A Superior Top Dressing, using soils with a low clay & silt content, carefully blended with Fenland Peat and Lime Free Free Silica Sand, shredded and sieved. Ready for immediate application to golf/bowling greens.

Save purchasing expensive equipment which stands idle for much of the year, also high labour costs and problems of finding suitable ingredients of constant quality.

PLEASE REMEMBER THERE IS ONLY ONE TRUE FENDRESS REGISTERED TRADEMARK

Pre-Packed supplies also available.

SPECIAL MIXES TO YOUR SPECIFICATION ALSO PREPARED

ALSO Sedge Peat ("FENPEAT") in bulk.

Lime Free Sands, White or Yellow. Screened Loam etc.

Please telephone T. I. Banks for quotations. You will be surprised by our competitive prices.

Please Contact:



Fen Turf Dressings Ltd., 36 High Street, Market Harborough, Leics. LE16 7NL. Tel.: Market Harborough (0858) 64346.

BISHOP'S STORTFORD GOLF CLUB require HEAD GREENKEEPER

Applications are invited from suitably qualified persons. Attractive salary to the right person with necessary experience. Accommodation available.

The course is 18 holes, 6440 yards, equipped with modern machinery. Successful applicant will be responsible to the Secretary for full management of the Course and maintaining it to its current high standard.

Applications in writing giving details of qualifications, experience, and age to:

The Club Secretary
Bishop's Stortford Golf Club
Dunmow Road, Bishop's Stortford
Herts. CM23 5HP

LEVEN LINKS JOINT COMMITTEE

require

HEAD GREENKEEPER

for this famous Links Course. House available.

Apply in writing to:

The Secretary
Leven Links Joint Committee
Clydesdale House Durie Street
Leven Fife.

stating qualifications, experience and salary expected.

SOUTHPORT '86

Thirteen hours of sunshine — the top figure of the day — gave the Institute of Groundsmanship's first spring exhibition a bright send off.

The two day sports and leisure exhibition at Southport's Victoria Park (13th and 14th May) also brought a pleased response from many of the 100+ exhibitors.

Visitors were largely buyers or specifiers of goods from sports clubs and associations throughout the North. They included managers, groundsmen, greenkeepers and local authority amenity staff, with a series of student groups from horticultural colleges adding an extra dimension to the show.

The huge success of the Institute's Windsor Exhibition in the autumn, which now has an international reputation, is based on more than 40 years' experience. It means that Southport '86 had a lot to live up to in only its first year.

Attendance at the two-day event was 2290 — 850 on the first day and 1440 on the second — a fine achievement by any standards. Such was the success that over a score of exhibitors have already rebooked for 1987.

The dates for the 1987 Southport sports and leisure exhibition have now been confirmed as 12th-13th May 1987. Open stand spaces will be available at £4.50 square metre and part-covered stands at £12.50 square metre. Space application forms are now available from The Institute of Groundsmanship, 19-23 Church Street, The Agora, Wolverton, Milton Keynes, Buckinghamshire. MK12 5LG

BRIGHT FUTURE

Nigel Beckford whose article "Into The Future" appeared in the May issue of Greenkeeper has joined Golf Landscapes Limited, Specialist golf course constructors, as a trainee site supervisor. He was formerly assistant greenkeeper at Belfairs golf course, Southend-on-Sea, and recently was the recipient of EIGGA's top award as most promising young greenkeeper. He begins his career by working on the Company's new 18 hole public golf course at Canvey Island, currently under construction, but will continue his studies at Norwood Hall, Southall on his day release scheme towards his City & Guilds Phase II in Greenkeeping and Sports Turf Management.

Golf Landscapes Limited, founding members of the British Association of Golf Course Constructors, are working not only at Canvey Island, but also at Ilford, Essex and Farnborough, Hampshire on new constructions, and in America, Portugal, Holland and Greece.

NEW LOOK AT RIGBY TAYLOR

Derek Phillips Chairman and majority shareholder of the Bolton based sports turf supply specialists has retired after nearly thirty years with the Company. His place at the helm has been taken by Bernard Hedley formerly the financial director who has been with Rigby Taylor since 1980. On taking up his appointment Mr Hedley confirmed that the Company would continue with its policy of innovation and forward thinking to ensure it remains in the forefront of the turf industry especially with its own range of Mascot products.

The Company also announced that they have signed an agreement with John Souter of Stirling to distribute their products throughout Scotland.

Finally Richard Lawrence, Rigby Taylor's Marketing Director has left the Company.

A KIND COMMENT

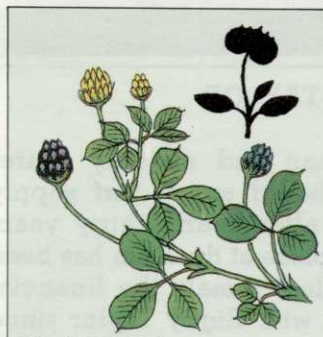
It was gratifying to see the piece on "First British Golf Sprinklers" appearing in April's edition of the Greenkeeper. However, it wasn't very gratifying to see the picture printed upside down! Perhaps you could publish a comment next month correcting this — otherwise your readers may be forgiven for thinking that our pop-ups are Australian sprinklers rather than British. Eileen Hawthorn — Watermation.

SLITTERS ON SHOW

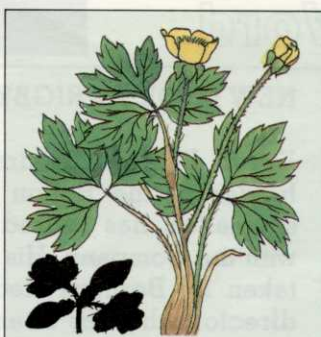
One of the most impressive exhibits at the IcG's Spring Show at Southport was the new range of trailed slitters from Dabro International. The range is compatible with all makes of tractors, each machine features a built-in depth control mechanism — there is a green slitter, an outfield slitter as well as the core tiner.



The Dabro Green Slitter.



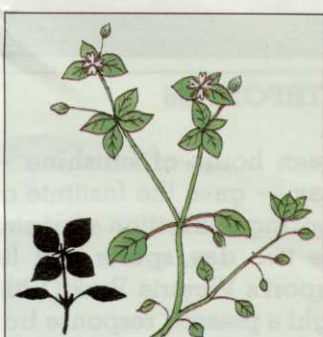
Black Medick



Bulbous Buttercup



Cat's Ear



Chickweed



Common B



Creeping Buttercup



Creeping Cinquefoil



Curled Dock



Daisy



Dandelion



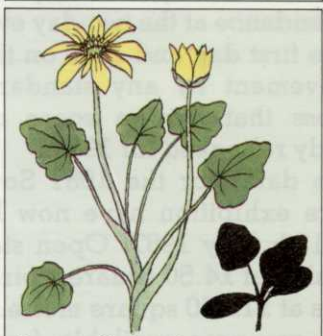
Hawkbit



Heath Bedstraw



Knotgrass



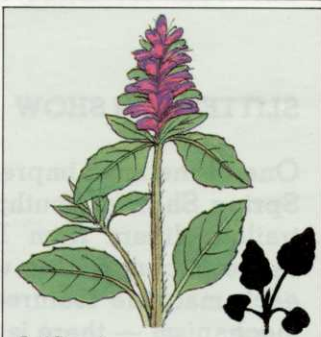
Lesser Celandine



Mouse-ear



Sea Stork's-bill



Selfheal



Silverweed



Smooth Hawksbeard



Speedwells

Can't tell your Anagallis

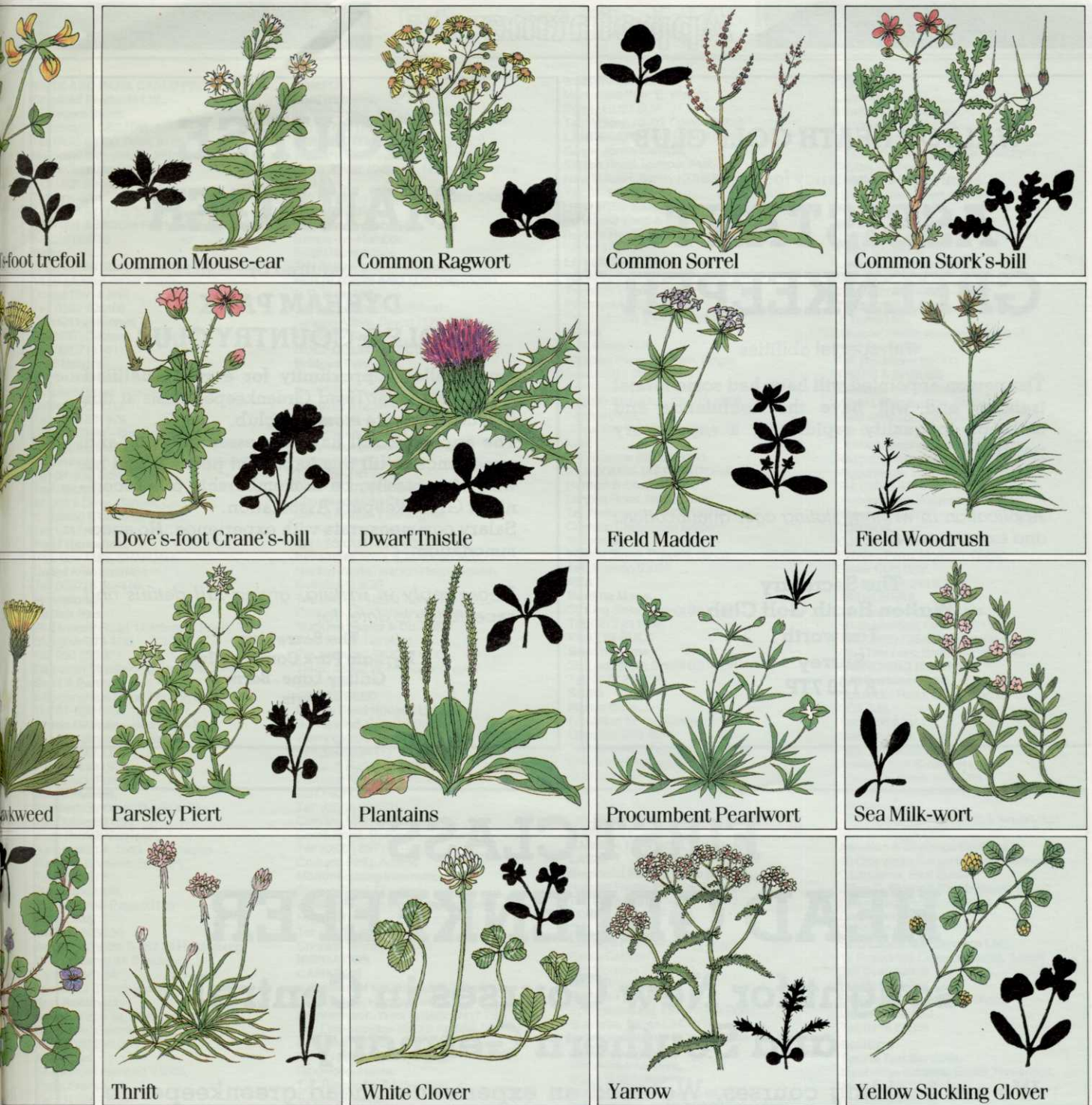
Well it doesn't really matter.
Not with Super Verdone.

Sprayed onto mature active growing turf, Super Verdone will pick out the broad leaved weeds and leave the grass to grow free from competition.

Super Verdone controls all the

weeds shown above, and more. It is particularly effective against difficult weeds like Speedwell and Parsley-piert.

So whatever your weed problem in turf look to Super Verdone. The best-known name in selective herbicides.



from your elbow?

Super Verdone.



Professional Products

ICI Professional Products, Woolmead House East, Woolmead Walk, Farnham, Surrey GU9 7UB. Tel: (0252) 724525.

WALTON HEATH GOLF CLUB

has a vacancy for an

ASSISTANT GREENKEEPER

with special abilities

The person appointed will have had some formal training and will have the confidence and ambition to qualify rapidly for a supervisory position.

Application in writing, stating age, qualifications and experience to:

**The Secretary
Walton Heath Golf Club
Tadworth
Surrey
KT20 7TP**

COURSE MANAGER

required by

DYRHAM PARK GOLF & COUNTRY CLUB

An excellent opportunity for a well qualified Course Manager/Head Greenkeeper exists at this first class private members club.

The applicant will have the essential skills and experience to fill this important position and he will, of necessity, be in membership of a recognised Greenkeepers Association.

Salary commensurate with experience. No accommodation.

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

**The Secretary
Dyrham Park Country Club
Galley Lane, Barnet
Herts.**

FIRST CLASS HEAD GREENKEEPER

sought for New Courses in Central and Southern Germany

We are building courses. We need an experienced head greenkeeper to oversee their establishment and to train new greenkeepers. The position will mean a stay of 2 to 4 years at each new course before moving on to the next. This offers the possibility of challenging employment for 8 to 12 years with the opportunity of finally managing your own course.

The successful applicant will have to have the ability to teach and motivate staff, have a thorough knowledge of all modern maintenance practices including the operation of automatic irrigation systems.

Accommodation will be arranged and an attractive remuneration package will be offered.

Applications with c.v. and references to:

**Herrn Hubertus Angstl,
c/o Golfclub Schloss Weitenburg E.V., Sommerhalde 7-9,
7245 Starzach-Sulzau, Germany.**

BARK AND BARK BASED PRODUCTS

Camland Products Ltd.,
36 Regent Street,
Cambridge. CB2 1DB
Tel: 0223 68780 Telex: 81254

Melcourt Industries Limited,
Three Cups House,
5 Church Street,
Tetbury, Glos. GL8 8JG
Tel: 0666 52711 or 53919 Telex: 43144

BRITISH ASSOCIATION GOLF COURSE ARCHITECTS
Full

J. Hamilton Stutt - Hamilton Stutt & Co.,
12 Bingham Avenue, Poole,
Dorset BW14 8NE
Tel: 0202 708406

Donald Harradine,
CH 6987, Caslano, Switzerland.
Tel: 091 711561

Fred Hawtree,
Martin Hawtree - Hawtree & Son,
5 Oxford Street, Woodstock,
Oxford OX7 1TQ
Tel: 0993 811976

Donald Steel - Cotton, Pennink, Steel & Partners
5 Buckingham Place, London SW1E 6HR
Tel: 01-630 5252

Tom McAuley,
38 Moira Drive, Bangor, Co. Down,
N. Ireland BT20 4RW
Tel: 0247 465953

Peter Harradine,
P.O. Box 1165, SHARJAH,
United Arab Emirates.
Tel: 009716 356446

Provisional
Alistair Rae,
26 Tannoch Road, Uplawmoor Road,
Glasgow G78 4AD
Tel: 050 585 371

Cameron Sinclair - Cotton, Pennink, Steel & Partners
5 Buckingham Place, London SW1E 6HR
Tel: 01-630 5252

Simon Gidman - Hawtree & Son,
5 Oxford Street, Woodstock,
Oxford OX7 1TQ
Tel: 0993 811976

Overseas (Full)
Eddie Hackett,
28 Ailesbury Drive, Dublin 4, Eire
Tel: Dublin 691592

Joan Dudok Van Heel,
Benkenlaan 4, 1640, St Genesius,
Rode, Nr Brussels, Belgium
Tel: 358 5518

Pier Mancinelli,
21 Via Achille Papa 00195
Rome, Italy
Tel: 06 36036 35

Jan Sederholm, S 252 34 Helsingborg,
K. Kristoffersg 3A Sweden
Tel: 042 371 84

Overseas (Provisional)
Kurt Roßknecht,
Dennenmoos 5a, 8930 Lindau-Bad,
Schachen, Germany
Tel: 08382 230 05

R. Berthet,
57-59 Rue Lhomond, 75005,
Paris, France
Tel: (1) 336 77 50

Senior Member
Fraser Middleton
15 Kilmarnock Crescent, Cupar,
Fife KY15 4DS, Scotland

BRITISH ASSOCIATION OF GOLF COURSE CONSTRUCTORS
Chipman Limited,
Horsham, Sussex RH12 2NR
Tel: 0403 60341

Eccles Contracting Ltd.,
Brickfield Street, Hadfield, Hyde,
Cheshire SK14 7DZ
Tel: 04574 63425

Golf Landscapes Ltd.,
Ashwells Road, Bentley, Brentwood,
Essex CM15 9SR
Tel: 0277 73720

Land Unit Construction Ltd.,
Folly Farm, Hanslope, Milton Keynes,
Bucks. MK19 7BX
Tel: 0908 510414

Brian D. Pierson (Contractors) Ltd.,
27 Vicarage Road, Verwood, Wimbourne,
Dorset BH12 6DR
Tel: 0202 822372

Southern Golf & Landscapes Ltd.,
85 West Street, Warwick, Warwickshire
Tel: 0926 492898

COMPOST

Bord na Mona,
36 King Street, Bristol BS1 4DP
Tel: 0272 211666

FENCING (Timber all types)
Wicksteed Leisure,
Digby Street, Kettering, Northamptonshire
NN16 8YJ
Tel: Kettering 0536 517028 Telex: 34395

FERTILISERS
Bentley, Joseph Ltd.,
Barrow-on-Humber,
South Humberdale
Tel: Barrow-on-Humber 30501

FERTILISERS AND TOP DRESSING
D.O. Hunt Ltd.,
14 Fairfax Road, Heathfield,
Newton Abbot, Devon TQ12 6UD
Tel: 0626 834499

GOLF COURSE ACCESSORIES
Bridges Pennants,
68 Southchurch Avenue,
Southend-on-Sea, Essex SS1 2RR
Tel: 0702 612344
Contact: Mr. A. Elvin

H. Pattison & Co. Ltd.,
Stanmore Hill Works, Stanmore,
Middlesex HA7 3HD
Tel: 01954 4171

GOLF COURSE EQUIPMENT
Clan Marketing Co.,
Milton House, Loddington,
Nr. Kettering. NN14 1JZ

GRASS CUTTING EQUIPMENT
Ransomes Sims & Jefferies PLC,
Nacton Works, Nacton Road, Ipswich,
Suffolk IP3 9QG
Tel: (0473) 712222 Telex: 98174
Contact: J.F.R. Wilson/R. Bishop

Watkins Naylor & Co. Ltd.,
Friar Street, Hereford
Tel: Hereford (0432) 274361
Telex: 35302 W. Naylor or contact
your dealer

GRASS SEED
British Seed Houses Ltd.,
Bewsey Ind. Est., Pitt Street,
Warrington, Cheshire.
Tel: (0925) 54411
Contact: Roger Saunders
Portview Road, Avonmouth, Bristol
BS11 9JH
Tel: (0272) 823691
Contact: Michael Warne
Camp Road, Swinderby, Lincoln
Tel: (0522) 86714
Contact: Philip Adams

Mommersteeg International,
Station Road, Finedon,
Wellingborough, Northamptonshire
NN9 5NT
Tel: (0933) 680674
Contact: Michael Perkins

IRRIGATION
CAMERON
a division of Wright Rain Limited,
Head Office, Harwood Ind. Est.,
Littlehampton, West Sussex BN17 7BA
Tel: Littlehampton (0903) 713985
Evesham, Worcs.
Tel: Evesham (0386) 49348
Ringwood, Hants.
Tel: Ringwood (04254) 2251
Spalding, Lincs.
Tel: Spalding (0775) 3764
Norwich, Norfolk
Tel: Swainsthorpe (0508) 470402
Edinburgh, Scotland
Tel: (031) 453 4789
Bridgnorth, Shropshire
Tel: Bridgnorth (07462) 61762
Wetherby, Yorks
Tel: Boston Spa (0937) 845788

Watkins Naylor & Co. Ltd.,
Friar Street, Hereford
Tel: Hereford (0432) 274361
Telex: 35302 W. Naylor or contact
your dealer

IRRIGATION EQUIPMENT
British Overhead Irrigation Ltd.,
The Green, Upper Halliford,
Shepperton, Middlesex TW17 8RY
Tel: 09327 88301 Telex: 928767
Contact Sales Department

Toro Irrigation Ltd.,
Unit 7, Millstream Trading Estate,
Ringwood, Hampshire BH24 3SD
Tel: Ringwood (04254) 6261

Sports Ground Irrigation Co.
Hereward Lodge, Paget Road,
Lubenham, Market Harborough,
Leics. Tel: (0858) 63153

Watermaton Ltd.

Monument Way, E. Woking,
Surrey GU21 5LY
Tel: Woking 70303 Telex: 859224

LANDSCAPE CONTRACTORS
Gavin Jones Limited,
Station Road, Motpur Park,
New Malden, Surrey KT3 6JH
Tel: 01-942 0055

LIME FREE SANDS
Buckland Sand & Silica Co. Ltd.,
Reigate Heath, Reigate, Surrey
Tel: 07372 40151

LITTER BASKETS
Wire Products (Wales) Ltd.,
Treforest Ind. Est.,
Prontypridd, Glam.
Tel: Treforest (044 385) 2501

LOAM
C.H. Binder Ltd.,
Embleys Farm, Moreton, Ongar,
Essex CM5 0HY
Tel: Moreton 246 & 320

LIQUID ORGANIC FERTILISER
Farmura Ltd.,
Stone Hill, Egerton, Nr Ashford,
Kent
Tel: Egerton (023376) 241

RANSOMES DISTRIBUTORS
Henton & Chattell Ltd.,
London Road, Nottingham
Tel: Nottingham (0602) 862161
Contact: Christopher Bryden

Wilcocks,
Walker Street, Preston, Lancs.
Tel: Preston 53068

PEAT
Bord na Mona,
36 King Street, Bristol BS1 4DP
Tel: 0272 211666

PEAT IN BULK
Bord na Mona,
36 King Street, Bristol BS1 4DP
Tel: 0272 211666

SAND
Martin Bros.,
1A Clifton Street, Alderley Edge,
Cheshire SK9 7NN
Tel: Alderley Edge (0625) 584571
Contact: Nick Gray

Wettern Brothers PLC,
Rochester Road, Aylesford,
Maidstone, Kent ME20 7DX
Tel: 0622 70431
Contact: J.F. Hoan

SANDS - HORTICULTURAL AND LAWN
Buckland Sand & Silica Co. Ltd.,
Reigate Heath, Reigate, Surrey
Tel: 07372 40151

SCREENED TOP SOIL
C.H. Binder Ltd.,
Embleys Farm, Moreton, Ongar,
Essex CM5 0HY
Tel: Moreton 246 & 320

SEATS
Barlow Tyrie Ltd.,
Springwood Ind. Est., Rayne Road,
Baintree, Essex CM7 7RN
Tel: Braintree (0376) 22505 Telex: 98173
(Brochure available)

Wicksteed Leisure,
Digby Street, Kettering,
Northamptonshire NN16 8YJ
Tel: Kettering (0536) 517028 Telex: 34395

SEATS PLAQUES
Wicksteed Leisure,
Digby Street, Kettering,
Northamptonshire NN16 8YJ
Tel: Kettering (0536) 517028 Telex: 34395

SEAWEED FERTILISERS
Seamac,
Foundry Lane, Chippenham, Wilts.
Tel: (0249) 652811

SEMI MATURE TREES
Eastcote Nurseries (Solihull) Ltd.,
Wood Lane, Barston, Solihull,
West Midlands B92 0JL
Tel: 06755 2033/4
Contact: Stephen or Michael Fisher

SEMI MATURE TREE PLANTING (EQUIPMENT FOR HIRE)
Eastcote Nurseries (Solihull) Ltd.,
Wood Lane, Barston, Solihull,
West Midlands B92 0JL
Tel: 06755 2033/4
Contact: Stephen or Michael Fisher

SOIL CONDITIONERS
Soilife: Liquid Enzymes,
Romit Marketing for your local supplier
North Wyke Farm, Guildford Road,
Normandy, Surrey GU3 2AN
Tel: Guildford (0483) 811933

TEE MATS

Carpetation Ltd.,
6 Kaffir Road, Edgerton,
Huddersfield HD2 2AN
Tel: 0484 28777
("Tufturf" - Synthetic Grass Backed
Rubber - Porous)

Charles Lawrence UK Ltd.,
153A Farnrod Road, Newark,
Notts. NG24 4SP
Tel: 0636 76218 Telex: 37668
(Synthetic Grass Backed with Rubber)

TREE GUARDS
Lenvale Products Ltd.,
Chart Mill, Chart Sutton, Maidstone
Tel: (0622) 890909

TREE TIES
J. Toms Ltd.,
Wheeler Street, Headcorn, Ashford,
Kent TN27 9SH
Tel: Maidstone 891111

TREES & SHRUBS
Eastcote Nurseries (Solihull) Ltd.,
Wood Lane, Barston, Solihull,
West Midlands B92 0JL
Tel: 06755 2033/4
Contact: Stephen or Michael Fisher

Notcutts Nurseries Ltd.,
Woodbridge, Suffolk IP12 4AF
Tel: 03943 3344
(Incorporating Waterers Nurseries,
Bagshot, Surrey)

TOP SOIL
C.H. Binder Ltd.,
Embleys Farm, Moreton, Ongar,
Essex CM5 0HY
Tel: Moreton 246 & 320

TRENCHERS
L.D. Bourgein Oxford Ltd.,
South Hinksey, Oxford OX1 5AZ
Tel: (0865) 735420 Telex: 83147
Att. Trenchers, Sales, Service, Hire

TRENCHING MACHINES
A.F. Trenchers Ltd.,
Gosbecks Road, Colchester, Essex
CO2 9JS
Tel: 0206 44411
Contact: W.D. Baker

TURF (SPECIALITY)
Rowlawn (Turf Growers) Ltd.,
Elvington, Yorks YO4 5AR
Tel: (0904) 85661 Telex: 57796
Rowlawn G
Fine Purpose grown sports & amenity turf

VERTI-DRAIN HIRE
Aeration & Drainage Services,
10 Oxendean Gardens, Lower Willington,
Eastbourne, East Sussex

Brian D. Pierson (Contractors) Ltd.,
27 Vicarage Road, Verwood,
Dorset BH21 6DR
Tel: 0202 822372

SCC Lands Maintenance Ltd.,
12 Foxburrow Close, Haverhill, Suffolk
Tel: 0440 62369

Worth Draining,
Cornbecks, Irnham, Grantham,
Lincs. NG33 4JQ
Tel: 0476 84266

Scotland
Sports Turf Services,
Newbridge Industrial Estate, Newbridge,
Midlothian EH28 8LE
Tel: 031 333 2345

SECOND-HAND MOWERS

SPECIALISTS IN RANSOME
MOTOR TRIPLES

SHAFTESBURY PLANT

Shaftesbury, Briar Road,
Great Bromley, Colchester,
Essex. CO7 7XD

TEL.: (0206) 230442



Controlled Power.

Mascot Microfine is a controlled release fertiliser containing I.B.D.U. for fine turf.

It's new, effective and efficient and with a choice of five formulations, year round performance is available.

Further details from

Rigby Taylor Ltd; Tel: (0204) 389888.

Rigby Taylor (Midlands) Ltd; Tel: (0926) 401444

Rigby Taylor (South) Ltd; Tel: (0483) 35657

or Souter of Stirling. (0786) 72141

MASCOT
MICROFINE