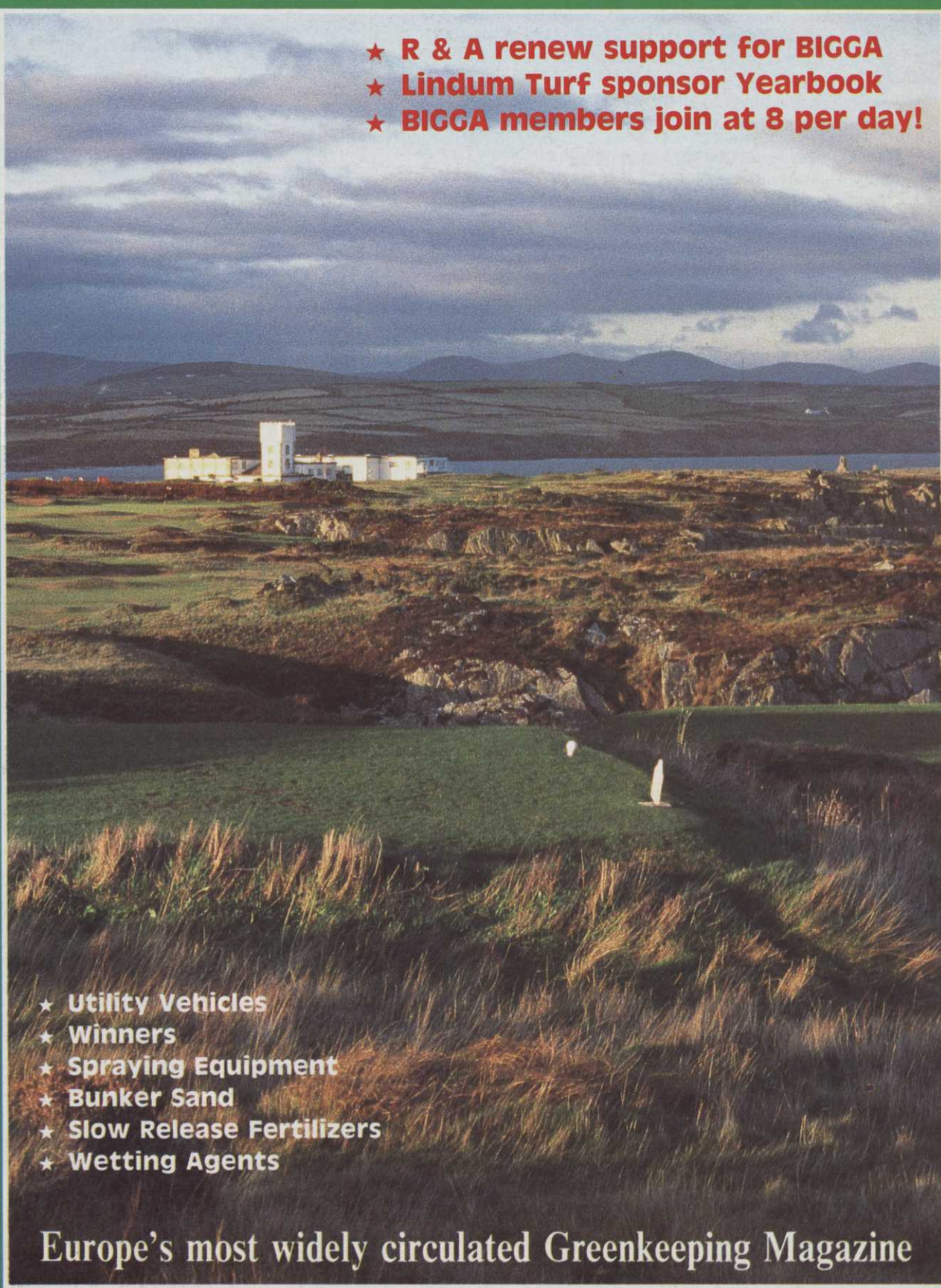


# GREENKEEPING

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BRITISH AND INTERNATIONAL  
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Introducing the all-new Jacobsen LF-100, the 5-gang designed to increase your lightweight mowing productivity.

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Norfolk PE30 2JG  
(0553) 763333.

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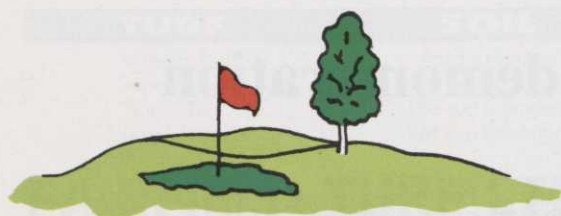
Front Cover: An early winter scene of the Castletown Links on the Isle of Man by Alan Birch - considered apt until the day of deadline for this edition. However, hurricanes in Southern England and snow in the North and Scotland caught everyone unawares - we will report in our March issue.

Greenkeeping Management is the official publication of The British and International Golf Greenkeepers Association, Aldwark Manor, Aldwark, Alne, York YO6 2NF. Tel: 03473 581/2.

# GOLF LANDSCAPES LTD.

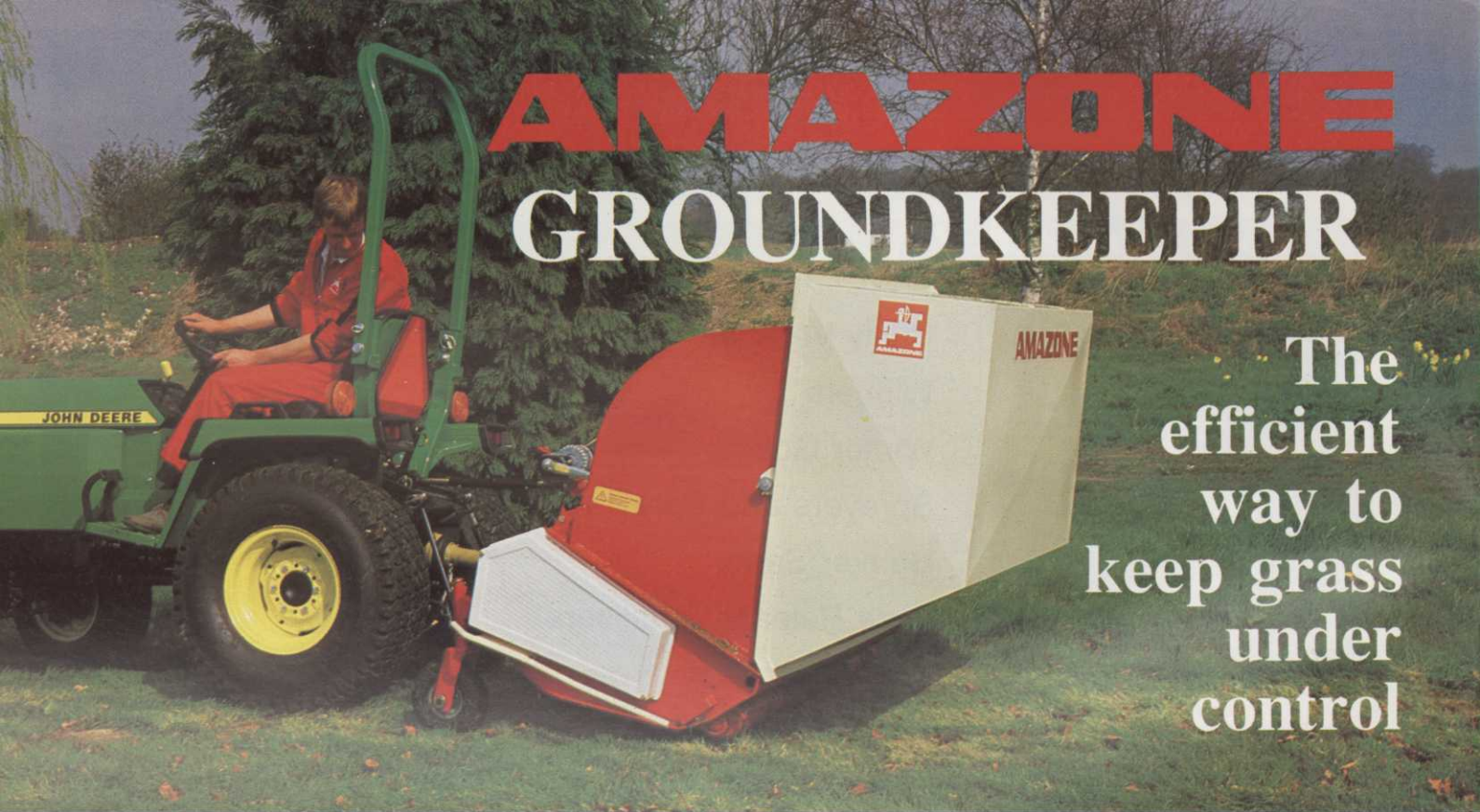
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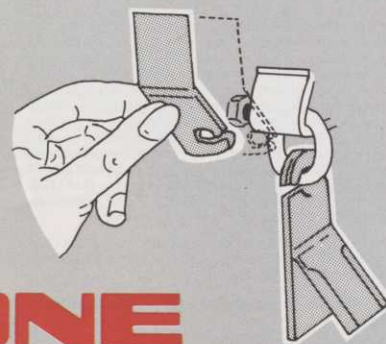
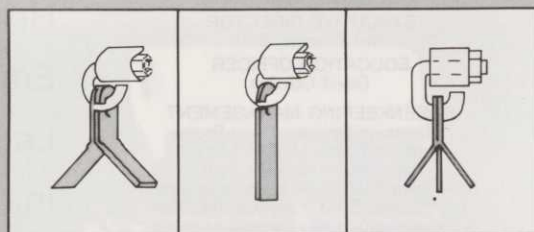
# AMAZONE GROUNDKEEPER

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# FROM HEAD OFFICE



Neil Thomas.

## ISEKI DATES

Ireland: 17th May 1990, Forest Little Golf Club.  
 Scotland: 30th May 1990, Cawder Golf Club.  
 South-West: 14th June 1990, Yeovil Golf Club.  
 Northern: 20th June 1990, Branspeth Castle Golf Club.  
 Midlands: 25th June 1990, Kedleston Park Golf Club.  
 South-East: 4th July 1990, Sudbury Golf Club.  
 Final: Wednesday September 12th 1990, Moortown Golf Club, Leeds.

## NOTICE TO MEMBERS

### Annual General Meeting

This will be held on  
 Tuesday, 13 March, 1990  
 at 2.30 p.m. in  
 The Royal York Hotel  
 York

immediately adjacent to the Railway Station  
**NEIL THOMAS** Executive Director

## RECOMMENDED MINIMUM SALARY/WAGES SCALE

**T**HE Association has updated its recommended minimum salary/wages scale, although actual figures remain the subject of negotiation between the Golf Club and Greenkeeping staff. The quoted rates apply from 1st January, 1990.

	9 Holes £	18 Holes £	27 Holes £	36 Holes £
Course Manager/Head Greenkeeper	11,762 pa	14,879 pa	16,214 pa	18,144 pa
Deputy Course Manager/Deputy Head Greenkeeper	9,244 pa	10,711 pa	11,672 pa	13,060 pa
First Assistant	177.74 pw	177.74 pw	177.74 pw	177.74 pw
Assistant Greenkeeper	166.72 pw	166.72 pw	166.72 pw	166.72 pw
Apprentice Greenkeeper				
All courses	Age 16/17 Age 18 Age 19	83.36 pw 104.20 pw 125.04 pw	Age 20 Age 21 +	145.88 pw 166.72 pw

**N.B.** Where appropriate these rates should be increased to reflect Regional variations (eg 24% in some areas).

The First Assistant is a post designed to recognise a third-in-charge where appropriate to the size of the Club. In cases where the First Assistant is the recognised Deputy, the appropriate Deputy Course Manager/Deputy Head Greenkeeper salary scale should apply.

**N.B.** staff in possession of recognised qualifications should have this reflected in an addition to base salary.

Basic conditions of employment should include:

1. Where accommodation is provided by the Club, it should be rent and rates/poll tax free with heating/lighting costs borne by the Club.
2. Where accommodation is not provided by the Club, a suitable remuneration in addition to the above salary should be paid.
3. 40 hour week.
4. Retirement Pension Scheme.
5. Telephone costs on Club business.
6. Mileage allowance.
7. Time off to attend lectures, demonstrations, BIGGA functions and tournaments.
8. If not salaried, basic overtime to be paid at time and a half, with double time on Sundays and Statutory Holidays.

Membership details are available from: The Executive Director, BIGGA, Aldwark Manor, Alne, York, North Yorkshire YO6 2NF. Telephone: 03473 581/2. Fax: 03473 8864.

## MEMBERSHIP SUBSCRIPTIONS 1990

### GREAT BRITAIN AND IRELAND

Course Manager/Head Greenkeeper	£36.00
Deputy Course Manager/Deputy Head Greenkeeper	£33.00
*First Assistant/Assistant Greenkeeper	£31.00
20 Years of Age or Under	£20.00
International - All Greenkeeping staff	£48.00

Associate/Company.....£50.00  
 (Includes 1 year's subscription to Greenkeeping Management)  
 Corporate - 10 or more....max £500.00  
 (Add £20 for each additional member requiring a magazine).

\*The First Assistant is a post designed to recognise a Third-in-Charge where appropriate to the size of the club. In cases where the First Assistant is the recognised Deputy, the Deputy Course Manager/Deputy Head Greenkeeper subscription rate should apply.

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# FROM HEAD OFFICE

## BIGGA NATIONAL EDUCATION CONFERENCE

ROYAL HOLLOWAY AND  
BEDFORD NEW COLLEGE  
30TH MARCH - 1ST APRIL 1990  
ORGANISED IN CONJUNCTION  
WITH THE INTERNATIONAL  
GOLFERS CLUB

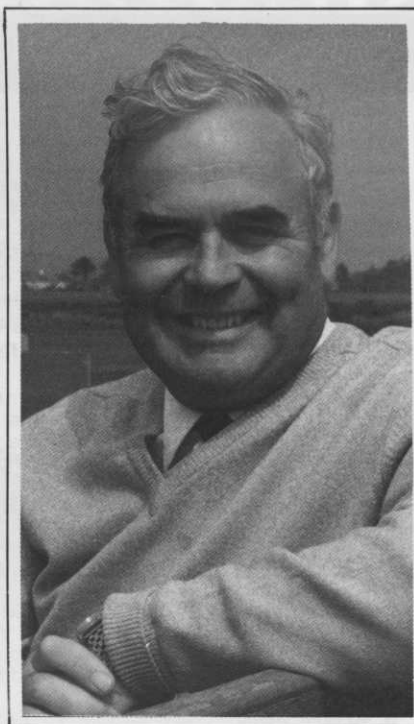
**F**OLLOWING the success of the inaugural National Education Conference held at Queens' College, Cambridge in April, 1989, the task of selecting a suitable college for the second Conference was not an easy one given the high standards set at Cambridge. However, in selecting the Royal Holloway and Bedford New College, BIGGA considers that the standards set will be maintained and allow all international friends easier travelling via Heathrow Airport.

The College was formed by the merger of two old established Colleges of London University, Bedford and Royal Holloway.

Bedford started life in 1849 in a house in Bedford Square, as a College for the education of women. Royal Holloway was founded by the Victorian philanthropist Thomas Holloway in 1886 also as a women's College. Both Colleges began to accept men in the 1960's and now have almost equal numbers of male and female students.

The College is the only large College of London University to be sited outside the capital. It occupies a 100 acre campus on the summit of Egham Hill, about one mile from the town of Egham. The best known local landmark is Windsor Castle which is four miles from the College (the nearest entrance to Windsor Great Park is about 600 yards from the College gates). Delegates will be resident in the Founders Hall. The building is a striking example of 19th century architecture, inspired by the Chateau de Chambord in the Loire Valley. It was opened by Queen Victoria in 1886.

The education and training of greenkeepers continues to be of paramount importance and this Second Na-



*One of the principal speakers at the Conference - John Glover, Rules Secretary, Royal and Ancient Golf Club of St Andrews, Fife.*

tional Education Conference marks another stage in the development of BIGGA's ongoing educational programmes. The Association looks forward to welcoming you to the conference feeling sure that you will gain substantially from the experience.

### DAILY PROGRAMME

Friday March 30

9.30 a.m. - REGISTRATION in

Founders Building

11.45 a.m. - LUNCH - Founders Building

Conference Commences

Chairman: John Millen, Canterbury Golf Club. Member of BIGGA Board of Management and Education

Sub-Committee  
1.20 p.m. - Introduction - Ivor Scoones, Vice-Chairman, BIGGA  
1.30 p.m. - 'POA ANNUA: MYTHS AND REALITIES' Donald B. White, Professor Turfgrass Science, University of Minnesota  
2.10 p.m. - 'GOLF AND GREENKEEPING IN SOUTH-WEST IRELAND' David MacIndoe, Course Manager, Killarney Golf Club  
2.50 p.m. - 'ROOM FOR DEVELOPMENT' George Oldham, Chief Architect, Barratt Developments  
3.30 p.m. - Coffee  
3.50 p.m. - 'THE SWEDISH GOLF FEDERATION AND THE SWEDISH GREENKEEPERS ASSOCIATION IN A PROSPEROUS CO-OPERATION' Lennart Poignant, President of the Green Committee, Swedish Golf Federation. Stig Persson, President of the Swedish Greenkeepers Association.  
4.30 p.m. - 'THE EVOLUTION OF PUTTING GREENS FROM SOIL TO SAND' James M. Latham, Jr. United States Golf Association Greens Section  
5.10 p.m. - QUESTIONS TO THE PANEL

### COMPANIONS PROGRAMME:

Depart by coach from College at 1.30 p.m. to Windsor Castle for tour of Castle and afternoon tea. Return to College by 5.30 p.m.

### Saturday March 31

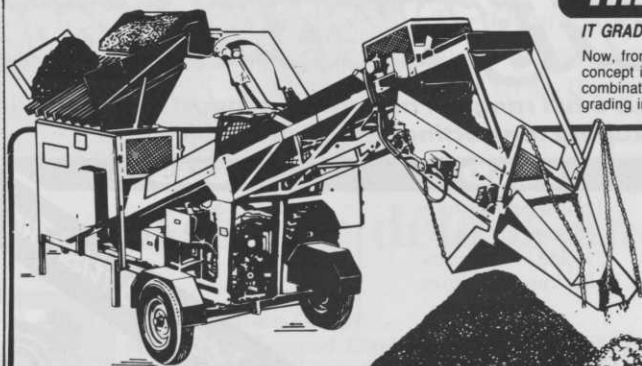
The President of BIGGA, The Rt. Hon. Viscount Whitelaw, C.H., M.C. will be joining delegates during the luncheon period.

9.00 a.m. - 'MANAGING A SURREY CLUB' Ian McMillan, Course Manager, Hankley Common Golf Club

9.40 a.m. - 'MANAGING A SURREY CLUB' continued John Harris of the Green Committee, Hankley Common Golf Club

10.20 a.m. - 'THE GOLF COURSE IN HARMONY WITH NATURE' J. Dudok Van Heel, Golf Course Architect, Belgium

11.00 a.m. - Coffee



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# FROM HEAD OFFICE

**11.20 a.m. - 'COMPARITIVE MANAGEMENT PRACTICES: APPRECIATING DIFFERENT APPROACHES'** Gerald Faubel, President, Golf Course Superintendents Association of America

**11.50 a.m. - 'THE GREENKEEPER AND THE RULES OF GOLF'** John Glover, Rules Secretary, Royal & Ancient Golf Club of St. Andrews

**12.30 p.m. - QUESTIONS TO THE PANEL**

**12.50 p.m. - Lunch**

**2.00 p.m. - INTERNATIONAL GOLFERS CLUB PRESENTATION** Christopher Williams, International Golfers Club

**3.00 p.m. - 'WHY THIS YEARS PROGRAMMES DETERMINE NEXT YEAR'S QUALITY'** Donald B. White, Professor Turfgrass Science, University of Minnesota

**3.40 p.m. - Coffee**

**4.00 p.m. - 'GOLF BEFORE THE GREENKEEPER'** David Hamilton, Surgeon and Historian

**4.40 p.m. - 'COMMON PROBLEMS FACING THE AGRONOMISTS'** Jeff Perris, Sports Turf Research Institute

**5.20 p.m. - QUESTIONS TO THE PANEL**

## COMPANIONS PROGRAMME:

Depart by Coach from College at 9.00 a.m. for guided tour of London

including Victoria and Albert Museum, Hyde Park, Buckingham Palace, Parliament Square, Westminster Abbey, Theatreland, Fleet Street, St. Paul's Cathedral, Tower of London, Stock Exchange and Bank of England. Shopping at Leisure. Pick-up at 4.00 p.m. for return to College.

## Sunday April 1

**9.15 a.m. - 'GREENKEEPING AND OUR HARSH CLIMATE'** Sydney Arrowsmith, Course Manager, Royal Portrush Golf Club

**9.55 a.m. - 'IRRIGATION STANDARDS AND THE GREENKEEPER'** Robin Hume, British Turf Irrigation Association

**10.35 a.m. - Coffee**

**10.55 a.m. - 'GREENKEEPING IN THE DESERT'** Barry Carter, Greens Superintendent, Emirates Golf Club

**11.35 a.m. - 'CHANGING GOLF IN BELGIUM'** David Singleton, Course Manager, Belgium

**12.15 p.m. - 'BRITAIN — MID-AMERICAN CLIMATES — DO OUR MAINTENANCE PRACTICES COMPARE?'** James M. Latham, Jr. United States Golf Association Greens Section

**12.55 p.m. - QUESTIONS TO THE PANEL**

**1.20 p.m. - SUMMING UP**

Paddy McCarron, Chairman, BIGGA

**1.30 p.m. - Lunch**

## COMPANIONS PROGRAMME:

Depart by coach from College at 8.30 a.m. to Petticoat Lane market. Return at 12.00.

BIGGA wishes to thank IGC for its generous support enabling us to present the Second National Education Conference.

IGC and BIGGA are currently working together on various projects aiming to improve the standards of greenkeeping through education at all levels and so enhance the game of golf.

IGC provides a totally new concept in European Golf Course Management, incorporating a highly sophisticated computer system. Improved efficiency and profitability is guaranteed but equally important, their complete range of ancillary services means that your club can progress confidently into the next decade. Their literature will be available for conference delegates and there will also be a presentation of the system by IGC. Again, we would wish to thank IGC for their support of this conference and all the other areas of assistance they are providing to BIGGA and European greenkeeping overall.

● For full programme and application form please contact the Executive Director, BIGGA, Aldwark Manor, Aldwark, Alne, York, North Yorkshire, YO6 2NF. Telephone: 03473 581/2. Fax: 03473 8864.

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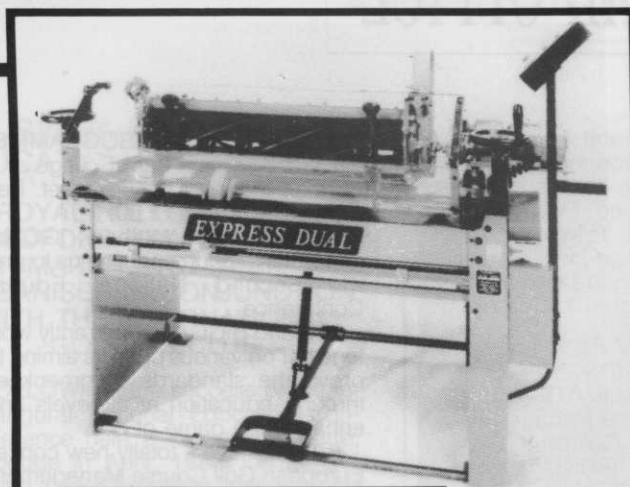
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The AEBI's are fitted with low ground pressure tyres and this in combination with the wide wheel base and low centre of gravity and the low weight enables the machine to work under all ground conditions, and is still capable of working on banks where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

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# UTILITY VEHICLES

## AEBI TERRATRACS

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

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

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

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

4. With the standard three point linkage and PTO at the front and rear this tractor is very versatile with various grasscutting implements at the front, and landscaping equipment at the rear.

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

There are three models in the AEBI range:

**TT88.** With hydraulic drive its ideal applications are endless as infinite ground speeds may be selected at any engine RPM. (Engine Mercedes 60hp).

**TT80.** A newly developed machine based on the successful TT77, with 8 gears forward and reverse and the option of an additional four crawler gears.

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

## THE NEW 9000 - A COMPACT RIDE-ON FROM AGRIA

**N**EW to the comprehensive range of Agria grass mowers is the Agria 9000. A triple cylinder ride-on mower with an overall working width of 6ft (1.95m). Environmentally friendly, the unit is powered by a twin cylinder Briggs & Stratton petrol engine, which incorporates a catalytic converter and runs on lead-free petrol.

Designed to cover the broad spectrum of mowing needs, whether it is amenity and grass land areas, sports grounds, golf courses or to be used by local authorities and contractors; the Agria 9000 will give reliable performance and superior mowing.

From the comfortable and padded driving seat, the first aspect the driver will notice is the easy reach and operation of all the controls.

The three, 2ft 2in cutting units have variable height adjustments, from 0.5 inch to a 1.65 inch cut. With the central mower situated between the front wheels there is no compaction of the grass before cutting, ensuring a clean accurate cut every time.

Each front mower assembly can easily be raised to the transport position. Only 4ft 4in wide, the compact mower can

*The new Agria 9000 triple cylinder ride on mower.*



be driven through the narrowest of openings and gateways or easily transported from site to site.

With the ability to turn in its own length and a dual range hydrostatic transmission, which allows operating speeds of 10km/h and 6km/h in transport and work ranges respectively, the Agria 9000 is a truly versatile machine.

Differential locking increases the traction, providing good stability and handling on almost any slope or terrain.

Operator safety has always been a primary concern at Agria, this is ably demonstrated in the motor cut-out switch upon lifting the two front cutters, or the reverse blade formation of the left-hand mower which throws cuttings and debris away from the driver.

By raising the light, fibre-glass engine cowling, easy access is gained for any maintenance checks. Everything is clearly and well positioned. An excellent back up service includes a 36 hour warranty, whereby if a fault should occur and a part is not replaced within 36 hours, a replacement machine is provided from the extensive network of service agents.

## NARROW TRACK ARTICULATED TRACTOR - COMFORTABLE PERFORMANCE

**P**ERFORMANCE and attention to the needs of the operator - the bases upon which Holder has gained an enviable reputation for its articulated tractors - are both reflected in a more recent addition to the range.

A narrow-track four-wheel drive unit - the powerful Cultitrac A50, is available in this country through sole distributor Lamberhurst Equipment Ltd. of Kent, offering a number of features that are of major significance where space or weight need to be considered.

The 52HP A50, offers excellent power to weight ratios which is enhanced further still by optimum weight distribution through 4 equal size wheels.

Critical soil conditions and narrow row spacing are easily accommodated by this unit making it ideal for use in, for example, orchards and vineyards. Eight forward, four reverse and an optional 'Super Creep' gear, which restricts progress to some 600 m/hr at maximum engine

speed, endorse the versatility of the Cultitrac A50.

This flexibility is enhanced by the variety of implements that can be attached and powered through either the front or rear PTO shafts. Sprayers, a rotary hoe, mowers and foliage cutters, loaders, cultivators and spreaders are all available within the range.

Importantly, the needs of the driver have not escaped the attention of Holder, despite the emphasis that has been placed on the performance requirements of the Cultitrac models. The company points out that, with the 40 litre fuel tank sufficient for 8 hours continuous operation, comfort and convenience of use are of paramount importance in the cab.

If space and excellent all-round visibility are perhaps the watchwords of the cab design, then convenience is the maxim within. All levers are positioned within easy reach of the driving position, while the instrumentation itself is fully illuminated.

## SUPER SWEEP FROM AGAR

**A**GAR say their new all-purpose sweeper, which they have named the "Super Sweep" is "the result of recent developments in the trade, plus a certain amount of persuasion from customers".

Available in five widths, 4', 5', 6', 7' and 8', it is constructed to the Company's usual high standard of specification.

The brushes are 22" in diameter and there is a choice of polypropylene, polypropylene and wire, or all wire bristles, depending upon the type of surface to be swept.

Standard three-point linkage mounted cat, 1 or 2, the unit is suitable for any tractor of 15hp and over. PTO driven through a right angle gear box and shaft to a chain drive.

There are three sweeping positions, offset 25° left, 25° right, or straight in line. Changes are made swiftly by raising the unit on the hydraulics and changing the fixing pin position. Nylon bearings to the pivot make this a smooth operation.

Prices range from £1275 to £1750, all machines are carriage paid on the UK mainland. Full demonstrations are willingly conducted.



# STOP PRESS

## R & A RENEW SUPPORT

**I**n his opening speech at Harrogate which is summarised below, Mr Michael Bonallack, Secretary of the R & A Golf Club of St Andrews, confirmed that the R & A had decided to continue its support for a further 3 years. While no figures were mentioned, it is understood that this will be substantial.

"I have a dual role here today. The first is to officially open the second European Turf Management Exhibition and the second is to join with the Nature Conservancy Council in launching their new publication 'On Course Conservation' - the R & A views both events to be of significant importance to all golfers.

It is just over four years since the R & A agreed to give financial assistance to the formation of a reorganised Greenkeepers Association to be known as the British and International Golf Greenkeepers Association and so pleased are we with the progress and success of the Association, that the committee has decided to continue its support for a further three years.

What progress has been made under the leadership of Neil Thomas?

The membership now stands at 3,500 with over a thousand new members joining in 1989 alone. David Golding has developed a first class educational programme and of utmost importance in this particular sphere is the introduction of the Master Greenkeeper Certificate Award which will be proof and recognition of the highest standards of education.

These educational programmes are having a considerable impact - not only within the greenkeeping profession but also in gaining positive recognition from the home unions and their affiliated golf clubs.

The official publication of the Association, \* Greenkeeping Management, has quickly become recognised as the leading magazine dealing with greenkeeping matters with subscription sales exceeding 4,000 copies a month.

Golf greenkeepers now have an active and thriving association of which they can be justifiably proud.

The 2nd European Turf



*"Golf Greenkeepers have an active and thriving association of which they can justifiably proud."*

Management Exhibition was originally sponsored by BIGGA but from now on it is to be organised and managed by them as well. This exhibition and the accompanying seminars are a happy coming together of the greenkeeping profession with industry associated with turf management and on show is a comprehensive range of products and services which indicate the tremendous growth of interest in this field and the ever increasing new developments taking place. For those with the responsibility for managing golf courses there can be no better forum for updating their knowledge and discussing common areas of interest.

It is only right and proper that those concerned with course management and indeed those also concerned with creating new golfing facilities should have foremost in their minds the conservation of wildlife.

As Walter Hagen once said: "Never worry, to never hurry and be sure to have the time to smell the flowers along the way."

Golf started probably sometime in the 15th Century as a game which developed from natural surroundings. Even the holes were probably old rabbit holes and the clubs, Shepherd Crooks, - the balls either sheeps dung or stones. Now of course golf courses are constructed and involve major

works - and it is thus even more important that designers and constructors take the greatest possible care that their work is sensitive to the needs of the environment and to the wildlife that exists on these sites. The same concern must also be shown by greenkeepers and green committee chairmen who have the responsibility of maintaining both old and new courses.

The R & A is very aware of this and I can tell you that at least two of the Open Championship courses contain sites of special scientific interest and great care is taken at the time of an open to ensure their protection. — We were therefore delighted to be given the opportunity of making an even more positive contribution to nature conservation when approached by the Nature Conservancy Council, represented here to-day by Ian Dair and Mike Schofield, asking us to sponsor the publication of a booklet on "On Course Conservation" — A Guide To Managing Golf's Natural Heritage."

The message it contains is fully endorsed by the R & A — "Is our course being managed with wildlife in mind?" — and this is not just aimed at those courses which do have designated SSSI's but at every single course in the country.

In these times when so many species of plants and animals are endangered by so called

progress it is good to think that golf has a tremendous opportunity to reverse this trend and I heartily commend to you this book, not only for the effect it will have in conserving wildlife — but because its suggestions will make golf courses more interesting, and the game more enjoyable.

## STOP PRESS

H & R Fell and Sons Ltd of Barton-on-Humber, South Humberside, known as Lindum Turf, confirmed at ETME 2, their intention to provide substantial financial sponsorship for the Association's new Greenkeeping Yearbook. To be launched at this year's Open Championship at St Andrews the yearbook will be the only officially published record of its kind in Europe. In announcing their decision, Steven Fell, said: "We take delight in making this move. 1990 has already proved to be an exciting year for us with the announcement of our successful tender for the supply of turf to the 1991 National Garden Festival, the introduction of our unique polymer coated seeds and the opportunity to support a progressive association such as BIGGA.

## STOP PRESS

Debbie Savage, BIGGA's Administration Officer, has confirmed that the official attendance figures for ETME was 4062 which represents more than double the 1989 figure. Debbie commented "We were delighted with this result despite the inclement weather. The trade have generally expressed complete satisfaction with the exhibition with many exhibitors already confirming that they will support the 1991 show."

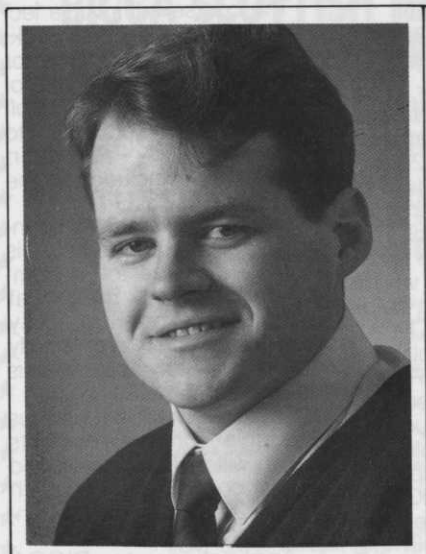
## STOP PRESS

Greenkeeping Management's Publicity Director, Barry Poole, has also confirmed that applications for membership continue at a very high level. He said at the show: "We were always confident that the service, the education programme and the magazine would have a positive effect on recruitment. Little did we realise how positive! In addition to over 1100 new members joining during 1989, with the vast majority of these in the last 26 weeks of the year, new applications during January have been averaging about 40 to 50 per week."

More about ETME 2 and the 1991 Show next month.



# WINNERS



Julian Copping

**A**PPOINTED Ransomes Grass Machinery Sales Representative for the Eastern Counties and East Midlands, **Julian Copping** who had been a leading light in the company's demonstration team for the past three years. In addition to Britain he had been on demonstration tours in other European countries.

Educated at the Copleston High School in Ipswich, Julian Copping served his apprenticeship with Ransomes when he attended the Suffolk College where he gained his BTEC in Mechanical and Production Engineering.

Upon completing his apprenticeship 26 year old Julian, who lives in Ipswich, was on the grass machinery assembly line prior to joining the demonstration team.

A keen photographer, Julian also enjoys tinkering with old vehicles. He has a 1974 Triumph Stag, and Ransomes' old fire engine, a Commer made in 1952, which are looked after with loving care. He plays badminton and has recently taken up golf.

## POWER FOR THE PEOPLE DEALER AWARDS PRESENTED

**G**BRYAN Jones Ltd of Bishops Castle, Shropshire has won the British Isles "Best Dealer" award in the national Sachs-Dolmar "Power for the People" competition that has been running since it was launched in July 1989.

**Bryan Jones**, Managing Director of the winning company, with his son, Sales Manager **Gerald Jones** and Secretary **Wendy Oakley** - who had both contributed to the success - attended at the Sachs-Dolmar (UK) Dealers Open Day at Manchester in December 1989 where they were presented with the first prize by

Managing Director **Bob Pickup**. The prize was a Pentax Video Camera complete with all accessories.

First prize was awarded to G Bryan Jones Ltd for a comprehensive programme of advertising, showroom displays, mailshots, point of sale displays, open evenings and promotional events that best used the Sachs-Dolmar theme "Power for the People". This publicity activity has significantly increased sales for the company which will now represent the UK in Sachs-Dolmar's world-wide "Power for the People" Competition where the prize is £1,500 worth of Thomas Cook travel vouchers.

Second prize in the British competition, a Pioneer Hi Fi Stack System went to Weymouth Hire and Garden Machinery, and the third prize of a portable colour television set went to R R Rouse of Norfolk. Both dealers had used the whole range of publicity methods to promote "Power for the People" again with positive results in sales.

G Bryan Jones Ltd has been in business as Agricultural and Horticultural Engineers since 1972 moving from Lydbury North in 1980 to larger premises in Bishops Castle. They hold franchises for a number of major tractor, machinery and plant manufacturers in addition to Sachs-Dolmar (UK), for whom they have been main dealers since 1974.

**A**DJUDGED to be the 'Best Apprentice of the Year' by the Institute of Engineers and Technicians, Apprentice Technician Engineer, **Simon Baddeley** with grass machinery manufacturers Ransomes Sims & Jefferies of Ipswich. He is pictured (left) with the Company's Personnel Director, **Roger Smith**, after being presented with the prestigious 'Tipping Medal' at the Institute's Annual Dinner held in the London Hilton.

Simon, who lives in Crowfield near Ipswich, created an immediate impression when, at the mock interview while still at school, the Company's Personnel Officer knew he was a young man the company would like to have.

Following a year in the Company's Training School Simon was given the task of improving the design and performance of a trolley used to carry ladles of molten metal.

By this time he had made up his mind he wanted to read Engineering at University and to give him further experience he was given the opportunity to spend time in Engineering Design, Test and Development Departments. Such was his thoroughness while in the Test Dept. he is reputed to have given the Design Engineers unexpected headaches.

As a result of his exceptional academic results at the Suffolk College in Ipswich and his outstanding all round ability, Ransomes had no hesitation in sponsoring him to read Mechanical Engineering at Brunel University where he is in his first year.



(Left to right) Simon Baddeley and Roger Smith



# EDUCATION



The first intake at the College are pictured with from centre left to right: Course Organiser Graham Wright, the Secretary of the Welsh Golf Union, Danny Loe and the North Wales representative of the Union Bert Griffiths.

A golf greenkeeping course - City and Guilds, Phase 1, Greenkeeping and Sportsturf Management has started at the Welsh College of Horticulture, Northhap, Mold, Clwyd. It is the culmination of two years discussion between the Welsh Golf Union, the College and the British and International Golf Greenkeepers Association.

This means Wales now has its own designated college. The Welsh Golf Union sponsors its member clubs to support greenkeeper training in Wales to attend courses at the College.

The response of the first course has been very encouraging with 25 greenkeepers registering, drawn from 17 golf clubs throughout the whole of Wales. The clubs, supporting the course include five of the six

premier clubs on the Welsh competition circuit - Ashburnham, Royal Porthcawl, Royal St. David's Harlech, Prestatyn and Royal Caernarfonshire (Conwy).

A key feature of the course is the close liaison with bodies associated with golf. Regular meetings are arranged to discuss the quality, content and any other matter associated with greenkeeper training within the principality, thus helping to provide a course that the governing body and the Greenkeeper Association requires for its greenkeepers in Wales.

This course is the beginning of a new era of training provision within Wales, and is set to create a higher standard of golf course management which should improve player performance at club and international level.

## CONSTRUCTION COURSE SPONSORED BY ROLAWN LTD

**A**LDWARK Manor, York will be the venue for our first in-house construction course on March 28 and 29 entitled "The Use of Cultivated Turf in the Construction of Tees and Greens".

The course has been sponsored by Rolawn Ltd, whose offices and production fields are close to the BIGGA Headquarters near York. Rolawn's Marketing Director, Rachel Semlyen says of their sponsorship to BIGGA's Education Programme, "We are pleased to have been asked to sponsor this course as part of BIGGA's programme to improve standards and training. In the cultivated turf industry there have been many changes and developments that make construction and renovation more feasible for more greenkeepers, but only if they have knowledge and training".

The course will involve lectures by Robert Laycock, Rolawn's Technical Director and Brian D. Pierson, one of the country's leading Golf Course Constructors. A visit to Rolawn's Turf Production Fields is also included in the course.

Because of Rolawn's sponsorship we are able to offer this course inclusive of accommodation and meals at Aldwark Manor for only £30.00. Places are strictly limited and early application is advisable.

There are twenty-four places available for non-residents which will include Lunch and Dinner on the 28th and Lunch on the 29th. The cost for non-residents will be £10.00.

Applications to BIGGA Headquarters, enclosing the correct remittance.

● The course delegates will receive 3 Master Greenkeeper Certification Credits.

## CREDIT FOR PREVIOUS GREENKEEPING LEARNING

**E**LMWOOD College, Cupar, is to pilot new work to be done in enabling those who have been in the Greenkeeping Industry for a number of years to achieve a vocational qualification. Credit will be given for relevant work experience, proficiency tests, short courses and previous further education qualifications in the achievement of SCOTVEC Modules.

This new initiative is tailor made for the time-served greenkeeper who has never managed to obtain a qualification.

George Baird, who is Head of Agriculture at Elmwood College, is to co-ordinate the development of this new project, calling on the expertise of specialist college greenkeeping staff.

The new project has the objective of devising a system of accreditation of prior learning for application to greenkeeping. The development work was started in December and will run until June 1991. During this time methods of counselling and assessment will be devised to ensure that those eligible can get credit for their knowledge and skills at any level in the Industry. The

special unit at Elmwood College will be open for business early in the new years. George Baird and his colleagues can be contacted on 0334 52781.

A final word from George Baird: "There will soon be no need for anyone to say that they have no qualifications! Anyone with industrial experience will be able to get credit for it, and then they can build on what they have with further education and training. They can get this by short courses, day or block release, full-time course or even distance learning, by which they can study at home and only go to the college for top-up instruction and assessment."

## CAN YOU HELP?

**D**AVID Blonski of the Dunkerque Horticultural College, France is looking to place pairs of greenkeeping students on British courses during the period 16 April to 11 May 1990.

If any members are willing to assist in these placements please write direct to David at the following address: Mr D. Blonski, LEPA Horticole de Dunkerque, 1972 Rue de Lefrinckoucke BP34, 59948 Dunkerque, Cedex 2.

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# RECRUITMENT

## BIGGA SCOTTISH REGIONAL ANNUAL CONFERENCE

to be held at  
DUNFERMLINE GOLF CLUB,  
CROSSFORD, BY DUNFERMLINE

on  
TUESDAY MARCH 20TH 1990

SPONSORED BY SISIS EQUIPMENT (MACCLESFIELD) LIMITED  
PROGRAMME

- 08.30-09.15 Registration
  - 09.15-09.25 Introduction by the Scottish Region Education Convenor, Cecil George, Course Manager, Lenzie Golf Club.
  - 09.25-09.45 Image of a Young Greenkeeper, Jim McKenzie, Course Manager, Renfrew Golf Club
  - 09.45-10.05 Conservation of Golf Courses, Mrs Rene Charles, Nature Conservancy Council
  - 10.05-10.40 Automatic Irrigation, Archie Paterson, Irrigation Engineer
  - 10.40-11.00 Coffee
  - 11.00-11.25 Changes in Greenkeeping in Last 20 Years, Alistair Connell, Course Manager Cawdor G.C.
  - 11.25-11.50 Turf Farming, Graeme Forbes, Stewart & Co. (Seedsmen) Ltd.
  - 11.50-12.05 Questions to Morning Panel
  - 12.05-01.30 Lunch
  - 01.30-01.35 Afternoon Chairman, Scottish Region President, Harry Diamond, Course Manager, Ayr Belleisle Golf Club
  - 01.35-02.05 Budgeting for Replacement of Machinery, Richard Bishop, Ransomes
  - 02.05-02.35 Safe Use of Chemicals, Andrew Robinson, Sports Turf Services
  - 02.35-03.05 Championship Diet for Carnoustie, John Phillip, Links Superintendent, Carnoustie Links
  - 03.05-03.35 The Role of Organics in Modern Greenkeeping, Eddie Connaughton, Grass Technology Int.
  - 03.35-03.50 Questions to Afternoon Panel.
- EARLY APPLICATION ADVISABLE AS NUMBERS STRICTLY LIMITED  
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Debbie Savage at BIGGA Headquarters

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Fax 03473 8864**

Those companies wishing to reserve the same space as they occupied at the 1990 Exhibition are reminded that existing space allocations are guaranteed for reservations received by 28 February.



# WINTER GOLF

Winter golf... what memories those two words can conjure up! In this tongue in cheek look at the inclement aspects of the game **BILL PILE**, Head Greenkeeper of Fingle Glen Golf Club gives 'good' advice to both the novice and veteran player. Now read on...

**F**OR the novice golfer there are some unwritten rules and etiquettes of winter golf he or she must know.

The first lesson consists of two phrases to be used at certain times depending on weather conditions. The novice will soon learn to judge the most appropriate time by following the lead of the more knowledgeable advocates.

As a guide when you arrive at the club to find that the greenkeeper has had the temerity to close the course, just because of a small local 'monsoon', the first phrase can be brought into play: 'We've played in worse than this!' To get the maximum benefit from these words two factors must be borne in mind.

Firstly on no account must the speaker have been on the course to check the truth of the statement, and secondly, his position when making the statement. The position to adopt is one of standing inside the clubhouse, looking out of the window noting the black skies and torrential sweeping rain.

Then in a most accusing tone of voice: 'We've played in worse than this.' If you have judged your moment to a tee (if you'll pardon the pun) this will be echoed by other members sitting in the bar.

The second phrase to learn is: 'We shouldn't be playing in these conditions, it can't be doing the course any good!' The astute reader will have quickly gathered that this statement is used in inclement weather conditions when the greenkeeper hasn't closed the course or brought temporary greens into play.

Again timing and position are of the essence. You must be far enough from the clubhouse so that when you make the statement no-one, (heaven forbid!) would dream of accepting the facts and even



remotely consider walking in. Experienced winter golfers often bring the slightly changed version into play on entering the clubhouse: 'We should never have played in those conditions, hadn't someone ought to close the course?'

Two benefits come from this use of the phrase; firstly you have played your round and secondly the congratulations from your fellow golfers on your concern for the course.

The newcomer to winter golf will encounter on his round certain areas of the course roped off or surrounded by hoops. Now, to the inexperienced, this would, at first sight, seem to mean areas to avoid. However this is not, of course, the case. These obstacles are to test the ingenuity of the golfer as to how to enter this area without tripping over the hoops or catching other parts of the anatomy in the ropes.

The winter golfing beginner will have to look carefully for the next areas that will add to the enjoyment of the round. But the rewards are there for those who can spot the wet and muddy patches to walk through, carefully avoiding the dry clean grass to either side. The pleasure can be heightened if you declare loudly as you are in the middle of the mud: 'When do you think the greenkeeper will cure these areas?'

Perhaps it may be pertinent at this stage to touch on the standards of dress for the winter golfer. Although many styles are in vogue it would seem the really dedicated model themselves on the clothing worn by a bedraggled, retreating, defeated army, whose tailors reside in Third World countries.

However back to behaviour patterns on the course. The next example can, fortunately, be used in winter and summer, although a slightly different technique is required in the summer when the ground is drier.

The move can be brought into play when you find your ball halfway up a grass bank, the steeper the better. As a novice you may at first think to leave your trolley at the foot of the bank. Oh dear, you still have a lot to learn!

The expert will recall the trick here is to pull your trolley up the bank with you, release it, grab a club, play your shot, swing round and grab your trolley before it falls over or runs back down the bank. This is a real favourite with masochists, who mistime the ritual on purpose and positively thrill to the sight of their trolley tipping over, sending clubs, balls and tees cascading in all directions down the bank.

A point here also worth remembering is: Keep your trolley with you at all times, never let it leave your side. Again watch the more experienced and marvel at some of the places they manage to take their trusty trolley with them.

On a more general note, as in the summer, refrain from replacing divots, mending pitchmarks (and you can make some real beauties in the winter when the greens are softer) or raking bunkers, you certainly don't want to be seen to be the odd one out.

Hopefully the novice winter golfer will start to realise from this outline of the 'niceties' of winter golf some of the pleasures that can be gained from playing in the bitterly cold with the wind driving the rain straight at him, and indeed conjure up some new techniques that may end up in the winter golf 'hall of fame!'

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**GREENKEEPING**  
MANAGEMENT



# LETTERS TO THE EDITOR

## GREEN COMMITTEES—AND THE PGA PLEASE NOTE

Dear Sir,

I READ with particular interest Willie Blair's report from East Scotland, and entirely agree with his comments, as do, I suspect 90% at least of my colleagues! He has highlighted a real bone of contention regarding greens committees.

When will these people realize that when they are dealing with a Head Greenkeeper, he is an expert in his profession, or presumably he wouldn't be doing the job. I believe the real problem is probably a question of approach and diplomacy. Instead of trying to tell the head greenkeeper how to do his job, committee members should adopt a much more conciliatory or enquiring attitude, and in this way would avoid annoying a hand-working and conscientious head greenkeeper.

As a matter of interest, I consider myself fortunate in not having problems of this nature; most French people I meet seem to have the impression that all British people, regardless of profession, are experts when it comes to growing grass.

However, to put matters in perspective, and looking at the other side of the coin so to speak, we as head greenkeepers should also understand that greens committees, like ourselves, really have only the well-being and reputation of the golf club at heart. After all, they are elected by members to represent them, and in some instances these members pay a great deal of money in subscriptions for the right to play golf.

In closing, I must admit that observations by Neil Thomas on the lack of appreciation shown to the marvellous work of head greenkeepers Derek Ganning and his staff at the Belfry at the conclusion of the Ryder Cup, are only too evident. In my view, this is a serious omission in most tournaments, and I sincerely hope that golf professionals will also take note, and when they have the ability and good fortune to win, will kindly thank the hard working greens staff who have made it all possible.

Iain Dobson, Course Manager,  
Barbaroux Golf Club, France.

BEING a member for just about a year, I have thoroughly enjoyed your monthly magazine. It has really put me forward in my job as an assistant greenkeeper.

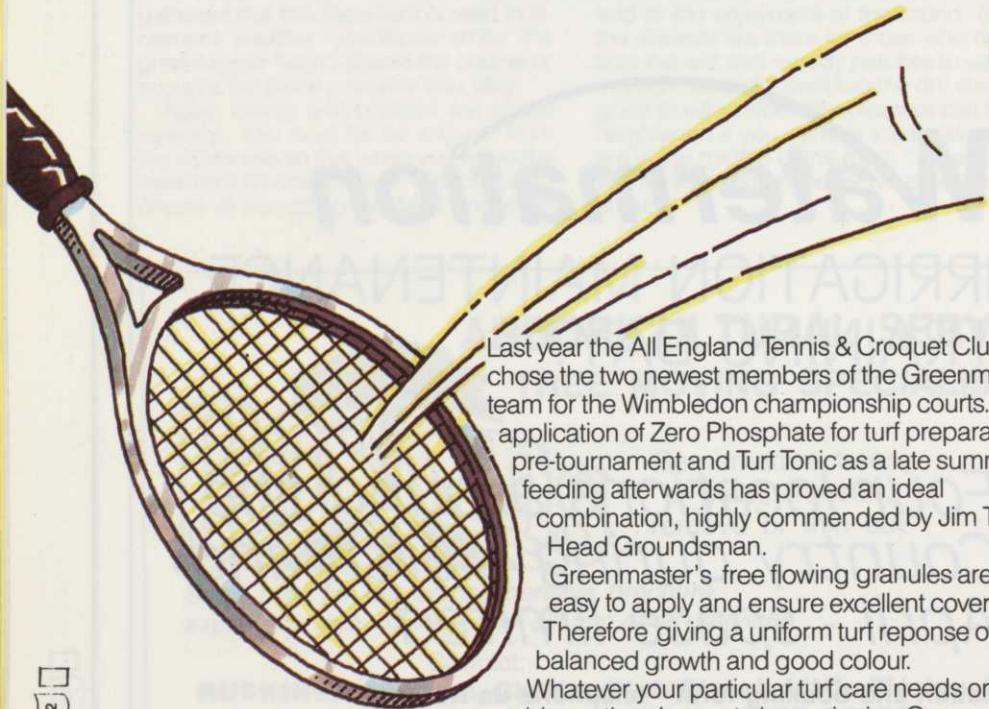
But the Course I work on used to be old farmland as probably most courses are, and we've had nothing but bother with moles.

We do of course hire someone in to kill them but of course he tends to miss a few they don't really do a thorough job I was wondering if there are any courses held locally to be trained to use the chemical's to kill moles, as chemicals are really quite effective. I'm not really all that keen on killing these godsent creature's, for they do a great job - but in the wrong places.

So trapping would also be an idea, where could I obtain moletraps?

Yours faithfully,  
Robert Vance,  
35 Whin Street,  
Clydebank,  
Dumbartonshire,  
Scotland  
G31 3JD

## GREENMASTER—THE RIGHT TEAM SELECTION, WHATEVER YOUR GAME.



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**GREENKEEPING**  
MANAGEMENT



# LETTERS TO THE EDITOR

**A**FTER reading the December issue of Greenkeeping Management. The article on Chris Kennedy (page 43) in this article he stated that Scotland's education system is a decade ahead of that in England.

This, in my opinion, is a very biased comment, to say the least. If the case is so, this would reflect on a higher standard of greenkeeping north of the border, putting Scottish golf courses in a league of their own.

This is certainly not the case. England, not to mention Ireland and Wales, have first class greenkeeping standards, with golf courses on a par with that of Scotland. I would agree that in the past our colleges did not meet the standard achieved in Scotland, but in the last 4-5 years greenkeeping education in England has been developed to a high standard, proven by the strong representation of England colleges in the new Toro Award scheme.

I for one am very proud of the achievements made by English colleges in their forward thinking on greenkeep-

ing training. This, coupled by in-house training given by our association, will give all BIGGA members the same opportunities and progress forward together into the 1990s.

Mr I. Harrison,  
67 Kilmarnock Road,  
Darlington,  
Co. Durham.

Dear Sir,

**B**EING involved with golf course construction and maintenance in Germany, I'm concerned about the present education for German greenkeepers and associated personal.

The only system of which I'm aware uses multiple choice question papers obtainable by post at various stages throughout the years and covering topics such as soils, water, machinery, fertiliser etc.

Harmless enough it may seem, but unfortunately these questions are often ridiculous in their technicality, vague in their interpretation, and are sometimes withdrawn.

Twice a year, candidates are called together for three week periods for intensive discussion on the topics covered in the questionnaire and some practical work. This then produces the label "Greenkeeper" and unfortunately too much stress is put upon the importance of labels in Germany.

I've already met a few who have been dissuaded from the profession because it appears impossibly technical.

And so I would be most interested in any college offering a similar possible education package for overseas greenkeepers. This might include the use of videos, books and papers culminating in an annual two or three week congregation at a financially feasible, strategic location.

A German translation would not be a problem, and with the doors open in '92, it's only fitting (and possibly necessary) that BIGGA lead the way for an educated Europe.

David Abercrombie,  
Rosenstrasse 22,  
8904 Haberskirch,  
West Germany

**T**O whom it may concern. I am writing to you for some information regarding golf course construction.

I am a member of BIGGA and I am very interested in golf course construction, and I cannot seem to get the address for the British Assoc. of Golf Course Constructors, and I was wondering if you have it at your disposal.

If you do would you be so kind to send it to me.

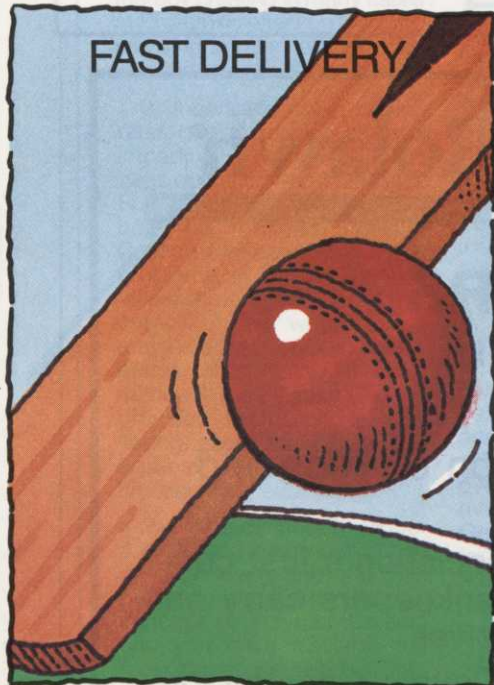
I would be most grateful if you would do this for me.

I hope I am not causing too much inconvenience to you but it is much appreciated.

Gordon I. McKie  
7 Scotsburn Road,  
Tain,  
Ross-shire  
IV19 1PR

● Editor's note: "This request indicates that the BAGCC needs to promote themselves more... we were pleased to send details of the Association to Gordon."

**FAST DELIVERY**



**ACCURATE RELEASE**



**IN ONE**



**USES GREENMASTER FINE TURF FERTILIZERS.**



FOR HEALTHY BALANCED GROWTH



THE QUALITY SLOW RELEASE TURF FERTILIZER



FOR QUICK AND EFFECTIVE MOSS CONTROL



THE ALL IN ONE FERTILIZER AND WEEDKILLER



FOR MOSS CONTROL AND A TOUGHER SWARD

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Fax: (0473) 830046

READ THE LABEL BEFORE YOU BUY: USE PESTICIDES SAFELY.  
Greenmasters Autumn and Mosskiller contain ferrous sulphate.  
Greenmaster Extra contains MCPA and Mecoprop.  
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**GREENKEEPING**  
MANAGEMENT



# LESCO

## CUT COSTS NOT QUALITY

### LESCO 300D

For sheer value the LESCO 300D Greens Mower cannot be beaten. A combination of superior hydraulics with proven quality components, LESCO have engineered the tournament Greens Mower.

Powered by a 3 cylinder diesel engine or an 18hp petrol engine provides complete hydraulic operation, including power steering and hydraulic drive to the cutting cylinders.

Optional extras include turf groomers, verti-cut units and tees units.

**The Greenkeepers dream – simplicity with quality.**



# LESCO

CONTACT CLIVE LOCKWOOD  
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Chapel Works Waldringfield  
Woodbridge Suffolk IP12 4PT  
Tel 0473 36 791 Fax 0473 36 370

**HAS THE CUTTING EDGE**



# Rolawn®

EUROPE'S FINEST TURF

## CONSTRUCTION COURSE

**Sponsored by Rolawn Ltd on  
28th/29th March 1990**

**in the use of cultivated turf in the construction of Tees and Greens**

The British and International Golf Greenkeepers Association's first construction course is sponsored by Rolawn to help greenkeepers carry out renovation in construction work themselves.

**Course Leaders:** Brian D. Pierson, Specialist Golf Course Constructor  
Robert Laycock, Technical Director, Rolawn (Turf Growers) Ltd.

**COST TO CLUB ONLY £30.00 (RESIDENTIAL) £10 (DAY)**

*The course delegates will receive 3 Master Greenkeeper Certification Credits*

Applications and further details from:

**David Golding, BIGGA, Aldwark Manor, Alne, York, North Yorkshire  
YO6 2NF. Tel. 03473 581/2. Fax. 03473 8864**



# IN THE PICTURE

## LINDUM "ON COURSE FOR THE 1990's"

**L**INDUM Seeded Turf announce a "double first". Now recognised as the "Number 1" producer of quality seeded turf for the golf and leisure/landscaping sector.

Lindum Sales and Marketing Manager, Geoff Hodson, commented "We already supply quality seeded turf, individually designed seed prescriptions, fertiliser formulations based on a combination of Mineral and Organic materials and a complete preparation and after care service.

We are now able to announce a breakthrough in seed treatment - Polymer Coated Seed. The coating is used to carry treatments on seed. Until this breakthrough seed has been treated by various methods but there have been three main disadvantages.

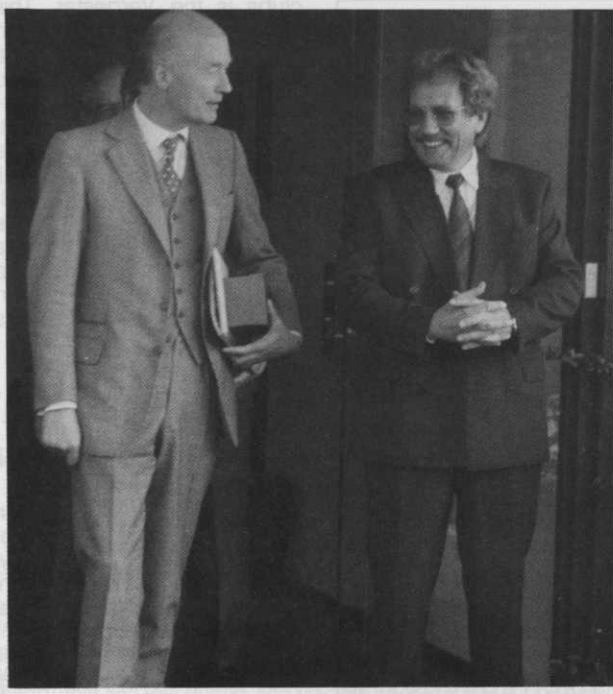
1. Unevenness of treatment thereby creating in many cases in Phytotoxic effect on the seed resulting in retarded germination and uneven establishment.

2. Inconsistency in drilling rates due to residue material impeding flow. Residue in bags due to constant handling. Sometimes up to 40% loss of treatment to seed. Polymer Coating eliminates all of these problems, in fact it enhances establishment, increases accuracy of flow when drilling and there is no residue. For example, using Apron "T" treatment with the Polymer Coating provides protection for the young seed for 6/8 weeks against fungal diseases, "fusearium", etc.

We already supply vigour proven seed attaining high germination levels and of a high purity standard. Add the new concept of Polymer Coating and you have available the most advanced seed in both quality and performance for the 90's.

Another first, Lindum have been awarded the exclusive contract to supply their quality seeded turf and to act as consultants for the next and final Garden Festival at Ebbw Vale, Wales, 1992.

We are looking forward to the 1990's with confidence and to supporting and serving the golf and leisure/landscaping sector.



**P**ICTURED in Munster about to leave the headquarters of Ransomes' German company following a tour of the offices and workshop, (left) the British Ambassador to West Germany, **Sir Christopher Mallaby**, with General Manager, **Gunther Zeiner**.

Commenting on the visit Gunther Zeiner said: "The Ambassador was clearly impressed by what he saw and it was a particular honour and pleasure for us to welcome him to Munster as this year Ransomes Deutschland GmbH celebrates its 25th anniversary."

Currently the largest overseas market for Ipswich-made grass machinery, the German company, which has four depots and fifty employees, is responsible for the distribution and servicing in the Federal Republic.

## TURFEX PROVIDES AN ANSWER TO DRY PATCH

**I**NTRODUCED last year as a major break-through in turf wetting, the concentrated wetting agent Turfex provides a cost-effective solution to the

problem of dry patch, particularly on golf courses and bowling greens, by enabling water to get to the roots of the turf and thus restoring healthy growth.

In laboratory tests conducted in 1988 by the Sports Turf Research Institute, Turfex increased the rate of infiltration into dry patch-affected turf by up to five times that of other wetting agents.

When the STRI went on to conduct a field trial in July last year on a dry patch-affected area, water with Turfex penetrated to a depth of more than 7cm, which was three times the depth penetrated by water alone. In the same trial on compacted soil, water with Turfex penetrated to a depth of nearly 9cm.

Turfex is readily absorbed onto soil particles and in this way provides a lasting action and build-up of effectiveness. It is mixed in cold water at the rate of 1/2 litre in 100 litres of water - an amount sufficient for 500 square metres of turf on the average golf green - and dissolves easily with minimal foaming, which quickly disappears.

Turfex has no adverse effects on turf. Even at double strength no phytotoxicity problems have been reported. And it can be applied by any conventional sprayer.

Its manufacturers, the Horticultural Division of Ser-

vice Chemicals Limited of Daventry, have just announced that there will be no price increase for 1990, which means that Turfex will continue to be sold at a cost of only £1.25 for a quantity sufficient to treat 100 square metres.

An all-British product, Turfex is available from specialist turf-care wholesale distributors. Selling agent is John McLauchlan Horticulture of 50a, Market Place, Thirsk, North Yorkshire YO7 1LH.

## HUXLEYS TO RATIONALISE FOLLOWING CUSHMAN TAKE-OVER

**F**ROM April 1, Huxley Grass Machinery will no longer be responsible for the administration of dealer sales of Cushman products throughout the United Kingdom and Ireland. The company's direct sales of Cushman products from its Egham and Alresford branches will also cease.

These moves follow Ransomes' purchase of Cushman and the decision to distribute Cushman equipment through the Ransomes existing dealer network.

As a result, the directors of Huxley Grass Machinery have reluctantly accepted it will no longer be viable to continue trading at its Egham branch. Therefore, as of May 1 all activities will be based at the company's manufacturing centre at The Dean, New Alresford, Hampshire.

Huxleys' directors stress the decision was reached after a careful appraisal of the situation. The company recognises the loyal and dedicated contribution made over the years by the Egham staff, and has taken every care to ensure the continued well-being of those members who cannot be retained.

Despite the forthcoming changes, the future of Huxley Grass Machinery within the professional turf and grounds care industry is very much assured. Huxleys will maintain and extend the design, development and manufacture of its own range of commercial grass maintenance machinery at Alresford. This range includes Huxleys implements for the Cushman Turf Truckster, and these fine attachments will continue to be supplied to Cushman dealers worldwide.

## BIGGA'S AGM

See page 5



# IN THE PICTURE

## ANOTHER FIRST FOR CHARTERHOUSE

**T**HERE are three keen new golfers in England - thanks to Charterhouse Turf Machinery.

Charterhouse held a prize draw at this year's Institute of Groundsmanship Exhibition at Windsor Racecourse, the entries coming from customers requesting demonstrations of equipment illustrated in the company's comprehensive new brochure.

The prizewinners were drawn on each of the three days of the show, and the top prizes - a set of golf clubs - were won by a trio representing a good mixture from the industry.

Mr Paul Davies, of Mordon Nurseries, Swindon, is an area supervisor with Thamesdown Contractors, a local authority contractor; Mr T.H. Heath of Staunton Harold, Leicestershire, is a ground maintenance contractor; and Mr P. Bloomfield of Ipswich, is a groundsmen for Ipswich School.

"None of the winners were golfers," said Philip Threadgold, Sales Director of Charterhouse Turf Machinery, who presented the prizes. "And Mr Heath was left-handed, so we had to find a special set of clubs. But they are all taking up the game as a result of the draw."

## NEIL AT CENTRAL SPARES

**A**S part of their continuing expansion programme, Central Spares have appointed an additional representative to their sales team.

Two existing sales areas have been reduced in size, and Neil McRitchie, who is based in Dorking, Surrey, will manage a new territory covering six counties in the South and South East of England.

Neil, aged 27, joins Central from the agricultural trade and lists his interest as sport, particularly badminton, amateur dramatics and Morris dancing. This latest appointment brings the number of sales representatives up to five, and the consequent re-organisation of sales areas means that South Wales will get representation for the first time, and trade customers in certain other areas can expect to see a representative more regularly.



Paul Davis

## RICHARD AITKENS NOW SERVING THE NORTH EAST

**A**ITKEN'S Superturf Ltd have expanded their business south of the Scottish border, with new premises at Tadcaster, North Yorkshire.

Norman Shedden and Peter Fell, both ex-Superturf reps, with extensive experience of the Amenity Industry, are the technical representatives who will be serving the area from the Borders to just south of Doncaster.

We would like to congratulate the company and wish them every success with their new venture.

## ALLETT ROTARY MOWERS

**A**LLETT Mowers Ltd have traditionally been associated with high class cylinder mowers which are in use at the majority of first class cricket clubs and the leading sports stadiums of Europe. However the business has increased substantially in the last few years and Allett's now offer three rotary mowers. The largest is the Parkstar. This is a tractor drawn mower which has two full width rollers to give a pleasing striped effect and is ideal for relatively flat fairways. The Parkstar has a very high work rate and is very economical to use and maintain.

Also of some interest to golf

clubs is the Vergestar. This machine is a pedestrian operated rotary mower with a 30" width of cut, and is also available with an interchangeable cylinder cutting attachment. Finally for those areas which require a small rotary there is the Allett AR18. As the name suggests, this is an 18" mower which has grass collecting facilities and is of a more robust construction than the majority of machines of this type.

## ALLEN POWER EQUIPMENT APPOINT PARKERS AS LONDON DISTRIBUTORS

**T**PARKER & Sons (Turf Management) Ltd of Worcester Park, Surrey, have been appointed the London Distributors of Allen Power Equipment of Didcot.

"We feel confident that this association will be of great benefit to both companies," said Mr Peter Jefferis, Managing Director of Allen, when he attended a recent teach-in at Worcester Park of the machines Parkers will be handling.

These were introduced and demonstrated to Parkers Sales Team by Mr Lance Bassett, Allen Sales and Marketing Managing, and Mr David Hyde, Allen Area Manager.

The Allen machines concerned are the National 68" and 84" Triple Mowers; Brushcutters including the Reciprocator, a revolutionary multi-purpose trimmer/brushcutter, edger, branch clipper and pruner which is exclusive to Allen and incorporates a new safety cutter; and Professional Hover Mowers which have the unique Allen 'Safeway' Mowing System, the first really safe blade.

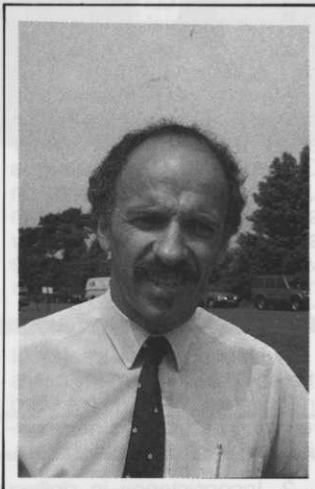
"We are delighted at our appointment," said Mr Peter Simpson, a Director of Parkers, "it further strengthens our position as the leading Turf Care Specialist in the South East of England."

## THE DANARM ROTARY MOWER RANGE

**T**HE Danarm Range starts with the ultra low priced (£123 + VAT) 40cc 13" King 35K model (previously sold by Danarm under the Speedy name), includes three Briggs and Stratton engined

Models (15", 16" and 18") and is completed by two 21" High Quality Professional Mowers powered by 4.5 HP. O.H.V. Kawasaki engines and manufactured for Danarm in Japan.

The Japanese machines marketed by Danarm under the Danarm Asuka name, have been so well received that Danarm will be adding an additional three of these 'top of the range' models including 19" and Electric start versions for the 1990 season.



David Siddon

## ICI APPOINT TWO NEW DISTRIBUTORS

**T**O strengthen their market leading position in the U.K. sports, amenity and landscape pesticide and fertiliser market ICI Professional Products have completed negotiations with two major companies to join their national network of distributors.

The appointment of T. Parker & Sons (Turf Management) Ltd of Worcester Park, Surrey provides a major platform for increased representation and sales in the South East.

An equally important arrangement takes place with the appointment of Sports Turf Services, Newbridge, Nr. Edinburgh who will cover sales in Scotland and Northern England.

David Siddon, Sales Manager for ICI Professional Products commented "The appointment of STS to our national network of distributors is part of our strategy of ensuring we have the best companies in the market distributing ICI Products to the end-customer."



# IN THE PICTURE

## ROYAL VISITOR DROPS IN

**T**HE highlight of Ransomes 200th anniversary celebrations was the arrival of a helicopter of the Queen's Flight at their Ipswich grass machinery factory with HRH The Princess Royal on board. Following luncheon with local dignitaries and directors she toured the works, where well over 50 per cent of the production is exported.

While being shown the latest in sophisticated equipment and techniques used in the manufacture of the company's grass machinery, The Princess Royal made a point of talking with as many people as she could, and over-ran the time allotted to her factory tour by fifteen minutes.

Before departing, Her Royal Highness unveiled an engraved plaque of Cumberland Slate, mounted on a wall in the office foyer, commemorating her visit, and was presented with a posy by Clare Jordan, one of the company's secretaries.

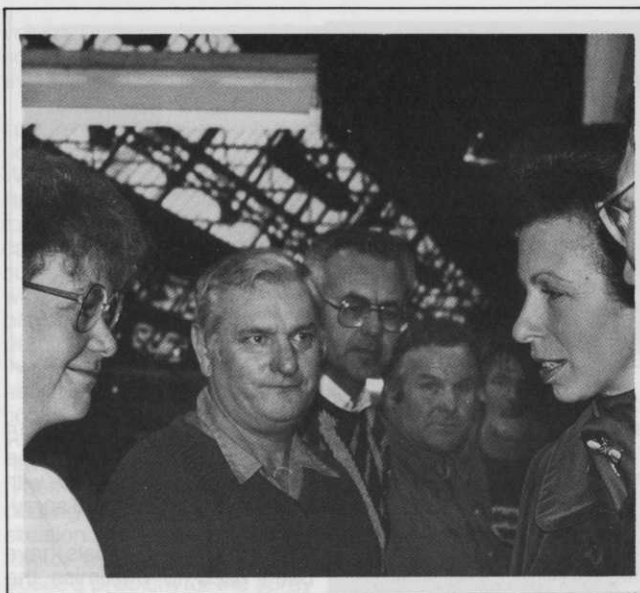
"Having the privilege and pleasure of welcoming HRH The Princess Royal to Ransomes in this the year of our 200th anniversary was a great honour for us", said Group Chief Executive, Bob Dodsworth. "The trouble she took to talk with so many of our employees contributed greatly to making it such a memorable occasion."

## YORKSHIRE MOWERS' LEEDS BRANCH FULLY OPEN FOR BUSINESS

**N**OVEMBER 1989 saw, for the first time, the doors of Yorkshire Mowers Ltd, Leeds branch wide open to professional customers.

The "open house" for existing and prospective users provided the visitors with a "behind-the-scenes" tour of the specialist services housed within the branch.

The event attracted 250 customers from North and West Yorkshire. Interest generated at the day produced a good number of requests for demonstrations of individual items of equipment on customers own grounds in the month following the event.



*Pictured during her tour of Ransomes grass machinery factory in Ipswich, HRH The Princess Royal with (right) Works Manager, Murdoch Matthew, talking to (left) Production Control Clerk, Sharon Page, while listening intently to what was being said are Production Control Section Leaders, Philip Turner and Roy Burton, and Machine Tool operator Mick Bloomfield.*

Yorkshire Mowers, Hull, Sheffield and now Leeds are a company devoted exclusively to the sale and service of grass and turf equipment for the professional and domestic owner's.

These include golf courses, local authorities, sports grounds and stadiums, contractors and public and private estates.

The company, which now proudly boasts of being the largest business of its kind in the county are concessionaires

in the Yorkshire region for Hayter/Beaver, Modust, Kubota, Toro and Gravely Professional Products.

## MONRO HORTICULTURE STRUCTURE COMMERCIAL ORGANISATION FOR THE 1990's

**W**ITH the new company headquarters fully operational at Tuxford, Nottinghamshire, Monro Horticulture has now centralised their purchasing and marketing functions.

In outlining the strategy behind re-organisation, **Andrew Witcomb**, Managing Director said: "We are structuring the company to enable us to better meet the growers' needs in the 1990's. In particular, growers will be looking for increased technical support, and by having specialist managers covering key areas of the growers business, we can provide the products and services they require in a professional and efficient manner."

Commercial managers have been appointed for specific product groups, and Business and Sales Development Managers have been appointed for Capital Equipment.

All managers have many years experience in the horticultural industry, and will be well known to growers throughout the United Kingdom.

**Paul Whiting** takes on the role of Business Development Manager for Capital Equipment, and working with Paul as Sales Development Manager is **Roger Poole**.

**Mike Manly** is Commercial manager for Growing Media; Commercial Manager for Horticultural Plastics is **Mike Evans**, and an appointment will be made soon to cover the Crop Nutrition and Protection sectors.



*Mike Manly*

All managers can be contacted through the company headquarters of Monro Horticulture Ltd., Lodge Lane, Tuxford, Newark, Nottinghamshire NG22 0NB. Telephone: (0777) 871727. Fax: (0777) 871799.



*Paul Whiting*



*Mike Evans*



# SPRAYERS

## MINI-TRAILER (MT 180) FROM COOPER PEGLER

**C**OOPER Pegler recently unveiled their new Mini-Trailer (MT 180) aimed very much at the amenity market. The basic unit features a 180 litre plastic moulded tank mounted on a solid box section chassis and a power unit comprising a two-stroke petrol engine which drives a twin-diaphragm pump.

Fluid control is provided by a compact control valve cluster on the front of the tank which provides on/off positions for pump flow, pressure regulation for spraying via a standard 0-7 bar pressure gauge and directional flow of fluid to left hand, right hand or both spray booms or hose reel as appropriate.

The add on options means that the new Mini-Trailer has versatility in the way that it is powered (petrol engine or electric motor), moved (compact tractor, ATV, cultivator, ride-on-mower, pick up, land rover or pedestrian) and used (spray booms with nozzles or high pressure hose with hand lance and trigger).

Twin booms each fitted with four flat fan nozzle tips and



non-drip diaphragm check valves (DCV's) provide a range of application rates with a total swathe width of 4m.

The booms are adjustable for height, can be positioned to spray horizontally or vertically and are fitted with a break back device.

By replacing the standard tow bar with handles the new Mini-Trailer can be used with a wheel barrow arrangement. The simple hitch plate attached to the tow bar can be replaced by a pedestrian wheel or alternatively a ball hitch to facilitate towing by land rover, jeep or pick up.

### LOGIC ON-BOARD

**T**HE Logic OBS125 Sprayer combines the versatility of an A.T.V. with a compact, professional spraying unit.

Lightweight materials have been used to maximise the carrying capacity of whatever vehicle is used, without sacrificing strength and performance.

The 'One Piece' 120 lt tank unit is secured in seconds on its unique cushion base by two large hand clamps.

The specially moulded tank incorporates a sump and baffle flanges to assist agitation and minimise surging.

A 12 volt electric diaphragm pump (powered from the A.T.V. or similar vehicles own

battery) delivers up to 9 lt per minute at up to 40 lbs psi (3 bar).

Rooms vary in width from 0.5 to 3.5 metres and feature break back clutches to prevent damage, easily adjusted height control, offset adjustment on booms up to 2m for hedgerows etc, stainless steel outer spraylines on booms over 2m with folding facility for transportation and snap fit anti-drip nozzles.

Comprehensive sprayer controls are positioned for easy operation and maintenance, including tank isolation valve and easily cleaned in-line filtration.

Optional equipment which quick attaches, includes a hand lance with 2m of supply hose and a 15m Hose Reel with quick release couplings to accept the hand lance.

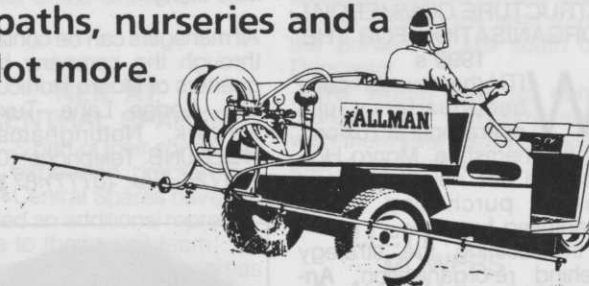
128

### AMENITY SPRAYERS

**T**HERE'S a sector of the spraying market which falls firmly between the tractor mounted, more agriculturally based models and those which are manually

THE GROWING ADVANTAGE OF ALLMAN

**Sprayers for turf, borders, paths, nurseries and a lot more.**



Wherever a sprayer is required take the Allman advantage. We specialise in sprayers, and there are tractor mounted, knapsack and pedestrian units available for every task from turf care to roses. We're British based, have a national spare parts and service commitment and can offer a specification to match any capital or equipment budget.

· Tractor mounted · De-mountable (illustrated) · Knapsack · Pedestrian barrow sprayers · Mistblowers ·

**ALLMAN**

E. Allman and Company Ltd, Birdham Road, Chichester, West Sussex, PO20 7BT. Telephone (0243) 512511 Fax (0243) 511171

THE GROWING ADVANTAGE OF ALLMAN

## VERSATILE SPRAYING ON TURF WITH THE NEW MINI TRAILER



ANOTHER PRODUCT FROM  
**COOPER PEGLER**  
**Crop Spraying Technology**

Cooper, Pegler & Co. Ltd.,  
2 Victoria Gardens, Burgess Hill,  
West Sussex RH15 9LA

Telephone: Burgess Hill (0444) 242526  
Fax: 0444 235578 Telex: 87354 COOPEG G



# SPRAYERS

operated-knapsack and pedestrian operated portable units.

This sector is catered for by E. Allman and Co Ltd of Chichester.

With 70 years' experience in sprayers, Allmans are fully experienced in solving the problems of unusual applications. Three pedestrian operated units are available from the company, two "barrow" sprayers complete with plastic tanks, diaphragm pumps and 2.5 metres of hose feeding a hand lance, all powered by an integral 4 stroke petrol engine.

These 70 litre, 100 litre and 300 litre trolley mounted sprayers are suitable for towing by hand, or with a compact or garden tractor.

Turf care, is catered for by Allman's CR200 and CR400 skid units for mounting on golf carts or four wheeled trucks. These versatile sprayers, can be equipped with spray booms, hose reel and lance, high pressure washing gun and single nozzle and hand lance.

A British company, Allman are backed by distributors offering service and parts supply, Sales Director, Clive Barber, claims that they have seldom met a task for which a sprayer cannot be produced.

The recent Food and Environment Protection Act and the Code of Practice for pesticide use are just as applicable to amenity applications as to agriculture, where they have gained widespread publicity.

volume; so many sprayers are sold with just one pump size available.

The Hardi BL range of small sprayers are ideal for the golf course and sports ground. With a choice of 200 or 300 litre tanks and a three section folding boom, this sprayer is capable of treating small areas such as tees and greens all the way up to fairways and sports pitches. There is the D500 pump suitable for most spraying jobs, the RV10 pump is also available for those situations where a greater range of volumes is required. Hardi have a vast range of nozzle types and sizes capable of dealing with any application situation. The modern compact tractor with an enclosed cab poses a problem for the spray operator; he needs to keep the windows closed when spraying and yet have direct access to the controls of the sprayer when turning and adjusting the pressure gauge. The BL range are available with a simple but very effective modification to give the operator complete control from inside the safety of the cab.

The BL range have a number of other important features such as a deep filter basket, nozzle check valves and triplet fittings to hold three sizes of nozzle thus removing the need to take off one set and change for another when applying another product that requires a different application volume, all designed to save time and reduce operator exposure.

## Hardi Knapsack Sprayers

Carrying liquid pesticide on your back can be a hazardous operation, the risk of leaks must be minimised and operator comfort and safety are very important.

The Hardi RY2 and K15 sprayers are designed to meet the exacting needs of the certificated spray operator.

Precise control over pressure, quick adjusting non absorbent straps, clips on the handle to hold the lance in place, a one way valve on the lid that allows air in but not liquid out are all features of these light and well designed machines. The bodies are made of strong but light plastic that allow the operator to see the level of liquid in machine.

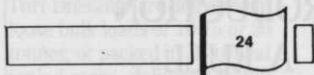
With capacities from as little as 200 litres HARDI Sprayers are a first choice for Compact tractor owners. HARDI assures you of efficient crop chemicals application. It is a company with over 30 years specialist experience in building crop sprayers and an acknowledged leader in the field.

## HARDI – THE SPRAYER COMPANY OF THE FUTURE



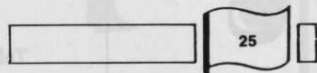
### HARDI Ltd.

St. George's Way,  
Bermuda Industrial Estate,  
Nuneaton, Warwicks  
CV10 7QT  
Telephone: (0203) 372054



### HARDI SPRAYERS

THE Food and Environment Protection Act has brought about a whole new approach to spraying technique. The operator is now required to produce a precise calibration for his machine to comply with the label and the Code of Practice; important factors such as spray quality and application volume are closely associated with pressure, nozzle design and flow rate. This requires a choice of sprayer that is versatile with a wide range of nozzle types and sizes. The choice of pump is critical as it decides the range of water volumes and limits the maximum





# BUNKER SAND

## BUNKER SANDS

A wide variety of sands are used for bunkers, often determined by local availability and cost, however, problems for both the player and the greenkeeper will result from use of sands which are basically unsuited for this purpose. It is, therefore, worthwhile to consider the basic requirements for a good bunker sand.

1. The sand is primarily required to provide a satisfactory playing surface within the bunker and to do so under all weather conditions.

It must, therefore, be relatively free-draining and will usually be a washed and graded sand that is relatively clay and silt free. Very fine sands should be avoided since they tend to compact down under heavy rainfall to produce relatively hard, slow-draining surfaces and conversely under dry, sunny and windy conditions tend to suffer from wind blow. Also the very nature of a bunker shot is such that the club should bite into the sand beneath the ball, this action being difficult to achieve in a compacted, fine sand.

2. Small quantities of sand

are inevitably sprayed onto the green as bunker shots are played, therefore, it is important that the bunker sand should not contain 'large' particles of grit or small gravel which could then affect the true roll of the ball and subsequently cause damage to mower blades.

The sand should also not contain significant quantities of lime particles in order to avoid any deleterious affects to the sward on the green.

Overall consideration of the above factors leads to recommendation that a bunker sand should be washed and graded, medium-coarse, lime free sand in the preferred size range of 0.25 - 1.00 mm with no particles whatsoever above 2mm.

A further factor that is not always considered is the colour of the sand. Some people prefer the strong contrast provided by the 'white' sands, whereas others prefer the more softer tone of a buff sand, the latter being perhaps 'easier' on the eye, particularly during sunny conditions.

The last, but not least consideration is, of course, cost and the sand types recom-

mended are certainly not the cheapest grades available, however, as with turf dressing sands the long term cost effectiveness of selecting a grade meeting the requirements is well proven.

## JOSEPH ARNOLD AND SONS LTD

JOSEPH Arnold & Sons Ltd, one of the last remaining independent suppliers of high quality silica sands, operates from six quarries located near Leighton Buzzard in Bedfordshire.

Quality control is a critical factor gaining customer satisfaction and all products are carefully monitored for consistency throughout the production stages, concentrating on the elimination of large stone and excessive fines.

Joseph Arnolds have developed a range of 3 specialised bunker sands which are washed and unwashed, NT53 (brown sand), DA 52N (yellow sand) and DA 21M (white sand), these are ideally suited for every greens environment.

Bunker sands are always available for immediate delivery on a 24 hour basis.

## MANSFIELD SAND

MANSFIELD Sand Company Limited are well established suppliers of a comprehensive range of high quality sands into the foundry and construction industries and are, therefore, accustomed to producing sands to tight specifications.

The use of such high quality sands on golf courses and other sports turf has increased significantly over the past few years in line with the increased demand for good quality sports turf. The various requirements on a golf course including bunker sand, top dressing sand, sands for slit drains and rootzone sands are all provided for.

Recent developments which should be of interest to the golf course architect and greenkeeper include both fibre stabilised and rubber modified sands and also a top dressing blend of Gypsum and sand suited particularly to heavy clay soils.

## ARNOLD SANDS FOR INDUSTRY

If your product innovation and development skills are constantly demanding more from the raw materials you use, talk to us. You'll find we have a lot in common.

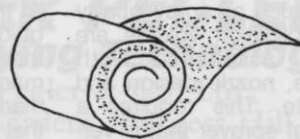
## LEISURE SANDS



Joseph Arnold & Sons Ltd  
Billington Road  
Leighton Buzzard  
Bedfordshire MK43 0JF  
Telephone: 0525 37220  
Facsimile: 0525 37220

## CUCKMERE VALLEY TURF FARMS

THE  
NEW NAME IN  
TOP CLASS  
TURF  
PRODUCTION  
A FULL  
RANGE OF  
TURF FROM  
GENERAL  
LANDSCAPING  
TO GOLF  
GREENS ETC.



Common Lane,  
Berwick, Polegate,  
E. Sussex BN26 6SU  
Tel: Alfriston (0323) 870773





## Target Dressings for Fine Turf

HORTICULTURAL GRITS & SANDS  
TURF DRESSINGS

COMPOSTS : PEAT : FERTILISERS  
ALL GRADES OF BARK AND  
TREE PLANTING COMPOST

These products are extensively used at many golf courses, professional football grounds, bowling greens, also the particle size grading makes this material ideal for sand slitting, where good drainage is required.

### BUNKER SAND

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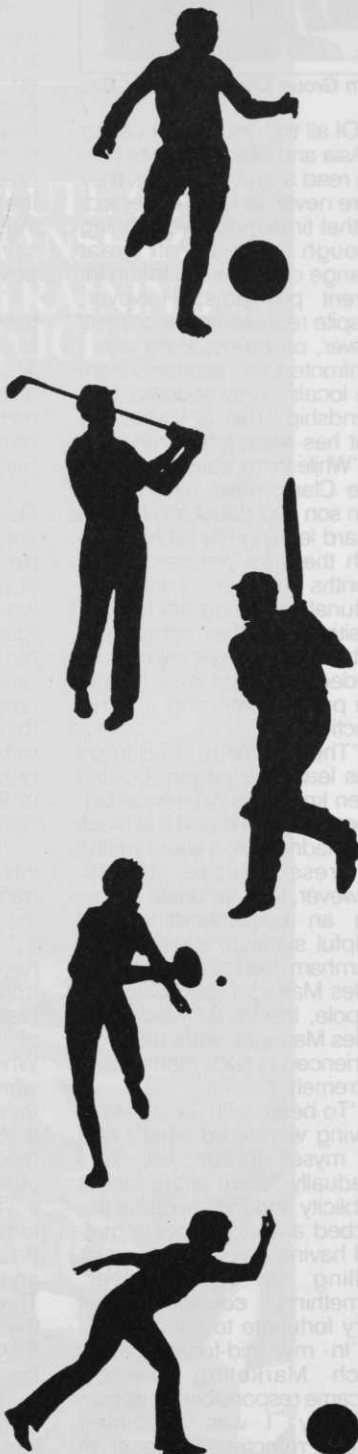
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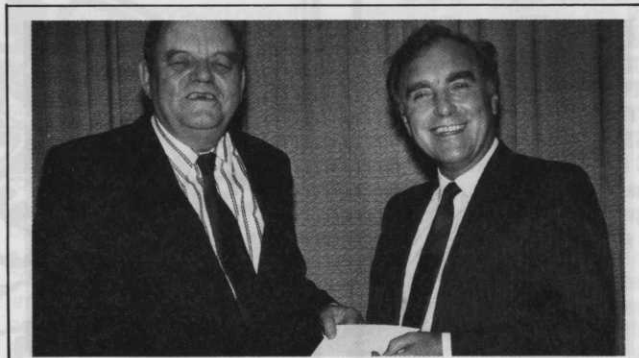
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# PERRY CREWDSON

*After a lifetime of service with Ransomes, Sims and Jefferies, Perry Crewdson has just retired. Latterly he held the post of Public Relations Manager and it is probably in this role he is best remembered. Greenkeeping Management is delighted to publish this interview and wishes Perry every best wish in his retirement.*



*Perry Crewdson receive a cheque from Group Chief Executive Bob Dodsworth.*

“**E** DUCATED at Wellington College, before leaving I had to make up my mind what I wanted to do. Unlike to-day there were only three choices. Should I join the Army, Navy or Air Force?”

“For no reason other than my father being a regular soldier I decided to join the Navy and was accepted as a potential Fleet Air Arm Pilot. Upon joining the Navy I was told, along with many others, that we were excess to requirements.

“I became a Coder and was sent out to Malta. As a Coder/Translator, I was about to join the Commandant du Boc, leader of the French 1st Sloop Flotilla, due to sail for Saigon, when the Japanese war came to an end. I saw her alongside in Toulon but never went on board.

“I remember my days in the Navy for the odd duties in MFVs and Landing Craft but mainly for the amount of tennis and hockey I played while serving on a Naval Air Station in Malta. I was too young to have coded in anger!!

“Joined Ransomes as the first post war special Apprentice at the age of 21. Following 18 months on the shop floor I became Assistant to the Plough Works Manager.

“Although I thoroughly enjoyed being involved in works management my aim was still to get into the Export Dept. Had it not been for the war and the changing nature of the world I may well have become an Agricultural Officer in the Colonial Service.

“I joined the Export Dept. as the Lawn Mower Export Rep. Before being let loose to the outside world I accompanied lawn mower service/demonstrators in the London area and took over the North of England.

“When considered fit to

represent the company overseas my first trip was to Belgium, followed by nearly six months in Canada and the U.S.A.

“I had hardly returned from N. America when I was sent out to Asia where I represented the company's lawn mowers, farm machinery and electric trucks. Adapting to the contrasting environment took some doing - I had to slow down and not get impatient.

“When the Marketing Divisions were formed I became the Farm machinery Area Supervisor for Asia and Africa. A large territory to cover but I was in my element.

“I was the first person from Ransomes to visit Japan after the war and the first to fly the polar route. In those days flying the polar route was something new and I was presented with a certificate which is held in the company's archives. In those days we used to sell some 700 field mowers a year in Japan, as well as ploughs and lawn mowers.

“An achievement of which I'm particularly proud was, after spending about 3 weeks in Rangoon, we won an order for 500 disc ploughs from the Burmese Government.

“Three of my most 'hairy' times were in Africa. Getting out of Leopoldville in the Belgian Congo 3 days before Independence, flying across the Sahara, with 2 engines shut off, making for Rome and leaving the runway while taking off in Lagos.

“One of the more amusing times was when asked to bring up the rear of a Hindu Procession in Madras with a Fordson tractor and Ransomes plough. The Procession also included Holymen, highly decorated elephants, cattle, water buffalo, goats and numerous 'hangers on'.

“Of all the countries I visited in Asia and Africa, despite having read about them first, they were never as I had expected. At that time many were going through periods of great change combined with the inherent problems. However, despite representing a colonial power, on no occasion was I confronted with animosity from the locals - only courtesy and friendship. This is something that has always amazed me.

“While in my early thirties my wife Clare, gave birth to our twin son and daughter. I found it hard leaving her on her own with them for periods of two months and more. I was very fortunate in being offered the position as the company's Publicity Manager which included, amongst other things, the press advertising and PR functions.

“The first thing I had to do was learn the jargon. I didn't even know the difference between a half tone and line block and hadn't a clue about writing a press release. I was, however, very fortunate in having an understanding and helpful staff. In addition Bob Garnham, the Farm machinery Sales Manager, and Guy Catchpole, the Grass Machinery Sales Manager, were more experienced in such matters and extremely helpful.

“To begin with, I confess to having wondered what I had let myself in for, but as I gradually learnt more about publicity and PR I became absorbed and no longer regretted having given up overseas selling. It is, however, something I consider myself very fortunate to have done.

“In my mid-forties, when each Marketing Division became responsible for its own publicity, I was appointed Sales Promotion Manager of the Electric Truck Division which has taken over the

marketing of Ransomes made fork life trucks from the Hyster Co. The materials handling industry was very different to what I had been accustomed to and I admit to having found it difficult to work up enthusiasm for the economics and means of moving pallet loads of goods. My heart remained with farm and grass machinery.

“Prior to the company selling the electric truck business, some ten years ago, I returned to PR for the Grass and Farm Machinery Divisions. I have never felt one man should be responsible for both press advertising and PR and the last ten years of my working life have, I'm pleased to say, been devoted solely to PR activities.

“Although I had been out of the grass and farm machinery business for some six years only, I could count the faces among the Press I remembered, and who remembered me, on one hand.

“When a Lawn Mower Demonstrator nearly 40 odd years ago, never in my wildest dreams did I think such sophisticated equipment would be used to maintain turfgrass. The introduction of hydraulics and hydrostatic drives have, in my view, revolutionised grass cutting. I don't think it had even entered my mind 40 years ago that mowers would one day be powered by water cooled diesel engines.

“It really does date me having seen a horse drawn triple gang mower in regular use in the London area.

“Of my outside interests, I have had the greatest pleasure from being a member of the National Turfgrass Council and of the Advisory Panel of Whitehouse Enterprises, the workshop for the disabled in Ipswich. My one regret is that time hasn't allowed me to do more with the NTC in recent years.

“I count myself extremely fortunate in being able to look back at an interesting, fulfilling and enjoyable working life. There have, of course, been the bad times, but without them, one wouldn't appreciate the good ones to the full.

“I shall miss, not only my friends at Ransomes, but also those I have been privileged to know in the turfgrass industry and the Press.”



# Peterborough 1990. The I.O.G. Sports and Leisure World Trade Exhibition.

**September 4th-6th 1990**

1990 and the "Greatest Show on Turf" moves to its new location at the East of England Showground, Peterborough. For everyone involved in the landscaping, management and maintenance of sportsgrounds and leisure facilities it's an event not to be missed.

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Peterborough's centralized location is ideal for road, rail and air links, and the Showground itself boasts ample car parking spaces and easy access for everyone involved.

## **Many exhibits on display.**

Everything that is needed for the care of sports grounds, playing fields, leisure and other amenity areas will be on show. These include: Advisory Services, Arboriculture, Agrochemicals, Buildings, Engines and Motors, Irrigation, Outdoor Furniture, Plant and Machinery, Play equipment, Protective clothing, Safety and Security, Seeds, Turf, Plants, Technical Books and Journals, Sports Goods, Waste Disposal and many more.

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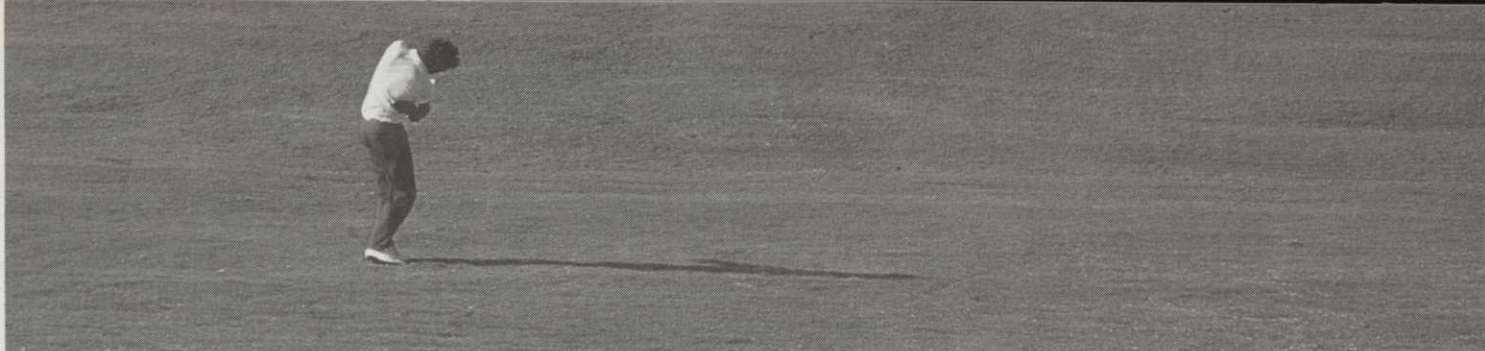
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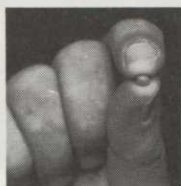




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# SLOW RELEASE FERTILISERS

## CRF COSTS PER SQ YD COMPARABLE WITH CONVENTIONAL FERTILISER

**C**ONTROLLED release fertiliser may seem expensive compared with ordinary granular products. However, recommended application rates are low and just one spring dressing of crf lasts a whole season. Comparing the costs, Mr Richard Flower, head greenkeeper at Mendip Golf Club near Bath calculates Osmocote N crf to be no more expensive than conventional fertiliser. It also gives steady turf growth without flushes and reduces labour input.

A half hundred weight bag of ordinary 17:0:9 fertiliser costs Mr Flower £7.00 and at 1oz/sq yd covers 800 sq yd. His total tee area is about 5,400 sq yds. To keep tee turf looking good, it often requires repeated dressings during the summer. "I dress tees and surrounds three times, at 6 week intervals with 1oz/sq yd 12:0:9 fertiliser" said Mr Flower. He therefore covers 16,200 sq yds, at a cost of 2.4p/sq yd, plus 4 hours labour per application.

Osmocote N crf was applied on trial tees at 3/4 oz/sq yd last March using a cyclone spreader. The tees were not irrigated. "It gave good grass cover all year. The turf didn't flush, then wear away and start looking hungry, which happens with the ordinary feed" he observed.

To feed the tees with Osmocote N for the season needs one dressing at 3/4 oz/sq yd. At this rate, a 25kg bag of Osmocote N crf from Sierra UK Ltd, Nottingham,



covers 1180 sq yds. At £40 per bag this equates to 3.3p/sq yd, but he saves over eight hours' labour cost and management time. "On comparison there's hardly any difference in price between using crf and my ordinary fertiliser" said Mr Flower. "The advantage is you only have to apply the crf once - before things get really busy - and the turf grows steadily all year."

Osmocote N granules contain NPR 39:0:0, in organic resin coating, safe for users and the environment. The rate of nitrogen release depends on soil temperature. At average temperature 16°C one application lasts 7 months. Release rate mirrors grass growth therefore reducing the chance of leaching and granules are small enough to avoid being picked up by

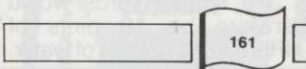
mowers. Costwise crf is comparable with conventional fertilisers and a labour-saving means of keeping tee turf green and strong all season.

applications.

Flo-Gro liquids are compound fluid fertilisers formulated as totally clear solutions without any sediment. To ensure accurate and consistent quality "state-of-the-art" computerised auto analysis has been used to guarantee the nutritional content of each product. Some of the Flo-Gro products contain "Didin Fluid" the slow release nitrogen inhibitor which phases the amount of nitrogen available to the plant.

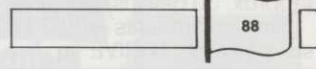
Flo-Gro liquid fertilisers eliminate unsightly powder and granule residues and mower "pick-up" on fine turf. Formulated as liquids Flo-Gro ensures more accurate and simple measuring and application can be combined with pesticide and other liquid turf care products.

Flo-Gro products will be available for use on turf and each is packed in 20 litre plastic containers, each product is colour coded to ensure easy recognition.



## NEW SOLUTIONS FOR GROWING PROBLEMS

**T**HE Farmura Flo-Gro range represents a completely new and revolutionary approach to turf nutrition. Specially formulated for use on turf following a successful national commercial users trial programme Flo Gro liquid fertilisers offer the professional Greenkeeper, Groundsman and Landscaper an advance range of products providing a safe and simple alternative to conventional fertiliser



## THRIVE

**T**HRIVE 100 per cent Organic Plant Food and Soil Conditioner, is the direct result of pollution control systems developed for farmers to use in containing and converting farm wastes into useful fertilisers. By containing these toxic slurries, seepage into watercourses with consequent environmental damage is prevented.

The process is anaerobic digestion of raw cow slurry, in large underground tanks. During this digestion period, weed

*continued on page 30*

**Farmura Environmental**

**IN 1990**

FARMURA WILL MAKE  
THE NEW 'FLO-GRO'  
LIQUID FERTILIZERS  
AVAILABLE TO THE  
TURF INDUSTRY

**FLO GRO**  
LIQUID FERTILISER

- Maximises nutrient uptake at soil and foliar level — reduces soil build up of excess nutrients
- Encourages more even application through spraying, providing even grass growth response
- Stimulates a healthy green colour without undesirable flushes of growth
- Eliminates unsightly powder and granular residues and mower 'pick-up' on fine turf

20  
LITRE  
plastic  
drum

**RESULT:** GREAT NEWS FOR GREENKEEPERS. BAD NEWS FOR COMPETITORS

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**GREENKEEPING**  
MANAGEMENT



# SLOW RELEASE FERTILISERS

continued from 29

seeds, toxins and disease pathogens are destroyed, but all the nutrients of the original manure are retained.

These nutrients are in both ammoniacal and slow release organic forms, which gives a most natural response, without a swift flush of growth, and then a fall back. THRIVE liquid plant food does, however, give a strong and steady growth, offering quite remarkable results.

Some of the benefits when used on turf, are: Much improved soil structure. Improved root development. Greater drought resistance. Increased micro organism activity. Reduced dependence on chemical fertilisers. THRIVE liquids help reduce environmental pollution.

Application rates for grasslands are as follows, but should be used as a guide only. For instance, sandy soils will need somewhat higher amounts than medium or clay soils.

One 25 litre drum of THRIVE diluted into 132 litres of water (approx. 30 gallons) per acre.

Smaller amounts would be six pints of THRIVE in five

gallons of water to feed about 125 square yards. A golf green of 375 square yards would therefore be 18 pints of THRIVE in 15 gallons of water.



## ICI LONGLIFE FERTILIZER

WHEN ICI Professional Products as one of the worlds largest companies introduces a new range of fertilizers to the sports, amenity and landscape market, there is a great deal of attention given to their activities. So it was when in 1988 ICI Professional Products acquired the marketing rights for the Longlife range of turf fertilizers.

As the needs of the grass plant changes in light of new cultivars, management practices and increased wear and tear on the turf, fertilizer suppliers must adapt the analysis of their fertilizers to suit these changes.

ICI technical staff reviewed current research and soil analysis data from a wide range of turf situations, furthermore the view of experienced greenkeepers and groundsmen were also sought. The result of these investigations has enabled ICI to bring together a range of products to suit all these different needs. In particular ICI identified early on the need for a zero phosphate fertilizer and this is why Finegreen NK is a key part of their fine turf range.

The Longlife range now consists of four products for fine turf and four for sports fields. The tables show clearly the range available. All the products contain in addition to the nutrients shown, a combination of trace elements derived from seaweed which provides a range of organic nutrients.

"One of the major reasons why the Longlife range has made such an impact in the UK market is the incorporation of the unique nitrification inhibitor Didin" sates Patrick Goldsworthy, ICI's Products Technical Manager.

The grass plant can absorb nitrogen in both the nitrate and ammonium forms; but the ammonium form, which is less prone to leaching, is used more slowly by the grass plant resulting in a reduced flush and a longer period of growth."

"By including the nitrification inhibitor 'Didin' in their fertilizers ICI ensure that the majority of nitrogen present in the rooting zone is in the ammonium form. This results in a prolonged feed from one application and a more efficient

continued on page 33

## THRIVE LIQUID

PLANT FOOD AND SOIL CONDITIONER IS A 100% NATURAL FERTILISER WITHOUT ANY CHEMICAL ADDITIVES WHATSOEVER

It can be sprayed onto grassland in cold or hot, wet or dry conditions. Because it is a fully processed, natural product, it will not scorch, even if used undiluted. The nutrients are in both ammoniacal and slow release organic forms, giving a gentle and steady response, without a swift flush of growth.

### SOME OF THE BENEFITS WHEN USED ON TURF ARE:

- Much improved soil structure • Improved root development
- Greater drought resistance • Increased micro organism activity • Reduced dependence on chemical fertilisers • Thrive liquids genuinely help to reduce environmental pollution.

For further information please contact our sales office at:

**THRIVE INDUSTRIES LTD., CAREY STREET, KETTERING, NORTHANTS NN16 0JL**

**Telephone: (0536) 411177  
Telex: 347202. Fax: (0536) 411736**

Three applications a year should be quite sufficient for very healthy grass growth. The increased micro organism activity will also help in the control of thatch. THRIVE liquid is intended to be used as a coarse spray, and fine filters should be removed from equipment before use. Clean out with clear water afterwards.

### TYPICAL ANALYSIS OF THRIVE LIQUID PLANT FOOD

- (n) Nitrogen 4.32 per cent.
- (p) Phosphorous .96 per cent.
- (k) Potassium 3.2 per cent.
- Calcium 1.5 per cent.
- Magnesium .43 per cent.
- Sodium .66 per cent.
- Manganese .027 per cent.
- + other trace elements.
- Heavy metal contents are very low.
- Copper 139 parts per million.
- Lead 11 parts per million.
- Zinc 1154 parts per million.

• **Note:** Because THRIVE is a natural product, it is not possible to guarantee this analysis to be absolutely accurate from batch to batch. However, each batch produced will be reasonably close to make major difference to the results obtained.



# Longlife

WITH THE  
**DIDIN**  
DIFFERENCE

'Longlife' is a modern family of turf fertilizers designed by professionals for professionals. That's why there are two distinct ranges – one for Fine Turf, one for Sports Fields.

This new generation of eight different products is formulated to meet the needs of modern day turf maintenance. 'Longlife' fertilizers are easy to apply mini-granules, all organic-based with added seaweed extract. Most contain 'Didin' to ensure that Nitrogen is released in a controlled way, feeding the turf for months instead of weeks.



For a colour brochure which gives detailed information on 'Longlife' products, write to Dept LF at the address below.

## The Next Generation, from



### The Fine Turf Range

'Longlife' Spring and Summer 14:3:7 + 2% Mg  
'Longlife' Autumn Feed 5:5:15 + 2% Mg. + 1.5% Iron  
'Longlife' Finegreen NK 15:0:5 + 2% Mg  
'Longlife' Nitrogen with Iron 8:0:0 + 2.5% Iron

### The Sports Field Range

'Longlife' Spring and Summer 11:6:9 + 1% Mg  
'Longlife' Autumn Feed 10:10:15  
'Longlife' Plus 14:3:7 + 2% Mg. + 2,4-D and dicamba  
'Longlife' Nitrogen 25:0:0 + 1.5% Mg

'Longlife' Plus contains 2,4-D and dicamba.  
READ THE LABEL BEFORE YOU BUY: USE PESTICIDES SAFELY.  
'Longlife' is a trade mark of Imperial Chemical Industries PLC.  
'Didin' is a trade mark of SKW Trostberg AG.

## Professional Products

Farnham, Surrey GU9 7UB.  
Tel: (0252) 733919



# Golf course irrigation?

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Yes, if your club is considering up-dating or extending its present irrigation system or you are thinking of investing in this important "Greenkeeper's Aid", have a word with ISS. Established for over a decade, ISS have years of experience of golfcourse irrigation systems design, installation and maintenance - this experience is yours for the asking. ISS will gladly visit your course for a chat - phone or write to them now!



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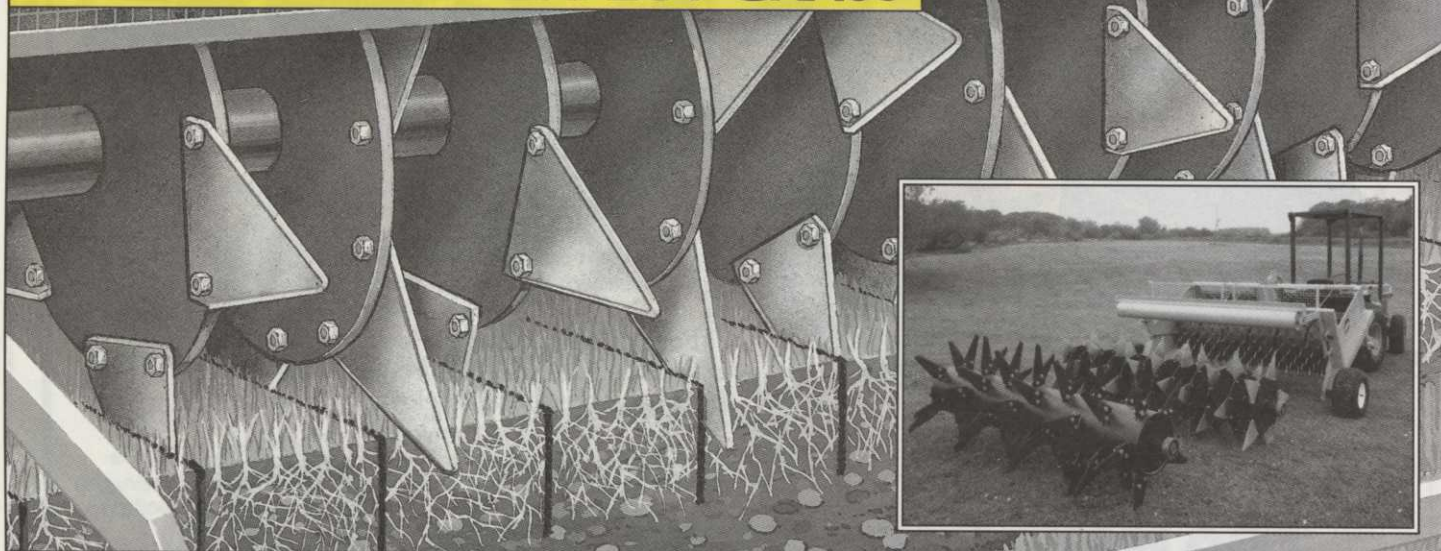


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## THE BLADES OF PERFECT GRASS



**T**o revitalise tired turf you need to get right back to grass roots. Soil compaction and poor drainage can rob roots of the essentials of air and water, creating a barrier and preventing expensive dressings reaching their mark.

The outfield slitter and the green slitter have one frame and one aim in common, to cut through underground problems and promote healthy grass growth. One man can switch reels from outfield to green slitter on his own effortlessly and just as easily fit a core tiner.

Cut consistency is ensured with a unique precision depth control and you can add

extra weight with drum ballast. The hollow tines on the core tiner remove plugs which are collected inside the drum and emptied through a trap door.

The McConnell Dabro Interchangeable System gives you three options for lawn care with implements that slip easily in and out of a common frame.

Take the first step to healthy grass by writing or phoning for your local dealer.

**McCONNEL DABRO**

INTERCHANGEABLE SYSTEM

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# SLOW RELEASE FERTILISERS

continued from 30

## FERTILIZER FOR FINE TURF

Longlife Spring & Summer  
14.3.7 + Didin + Mg + seaweed extract

Longlife Finegreen NK  
15.0.5 + Didin + Mg + seaweed extract

Longlife Nitrogen with Iron  
8.0.0 + 2.5Fe + seaweed extract

Longlife Autumn Feed  
5.1.5 + Mg + Fe + seaweed extract

## FERTILIZER FOR SPORTS FIELDS

Longlife Spring & Summer  
11.6.9 + Didin + Mg + seaweed extract

Longlife Autumn Feed  
10.10.15 + Didin + seaweed extract

Longlife Nitrogen  
25.0.0 + Didin + Mg + seaweed extract

Longlife Plus  
14.3.7 + Didin + Mg + seaweed extract  
= 2,4-D/didcamba

use of nitrogen due to less leaching."

"We realised at an early stage the importance of slowing down the release of nitrogen so that the plant could

utilise this valuable nutrient at the time it was needed. We understood the importance of slowing down the leaching process, reducing the release of nitrates into the soil and water

profile. Both IBDU and Didin were available but we considered that Didin offered many advantages over IBDU.

Reasons for deciding in the favour were many.

1. Didin activity is temperature dependant therefore as the temperature rises and the turf is growing more rapidly additional nitrogen becomes available under these conditions.

2. Didin offers the advantage of releasing nitrogen over a time scale which parallels the growth patterns of the plant. Greenkeepers and groundsmen can retain a higher level of nutritional control over a period of time.

3. Didin is economically priced which allows Longlife to be extremely competitive against IBDU slow release products and conventional fertilizers.

4. The action of Didin is specific to only one bacteria, Nitrosomonas and therefore will not cause thatch build-up by delaying the natural decomposition of organic matter.

5. Finally, and particularly relevant in these environmentally sensitive times 'Didin' significantly reduces nitrate leaching.

Didin is now well into a long term trials programme at the Sports Turf Research Institute and preliminary results have shown significant differences with comparable products included in the trials.

"Another major feature of Longlife fertilizers is in its physical formulation," comments Steve Hall, ICI's Product Manager for Longlife fertilizers. "The Longlife granule is a compound fertilizers have the nitrification stabilizer as well as the other nutrients in each granule.

Blends, however will cause "speckling" due to the variation of nutrients in each granule and the different release rates of the various nitrogen sources.

The granule itself is of high quality with excellent spreadability. Both the size of the granule and its quick breakdown will ensure minimal mower pick-up.

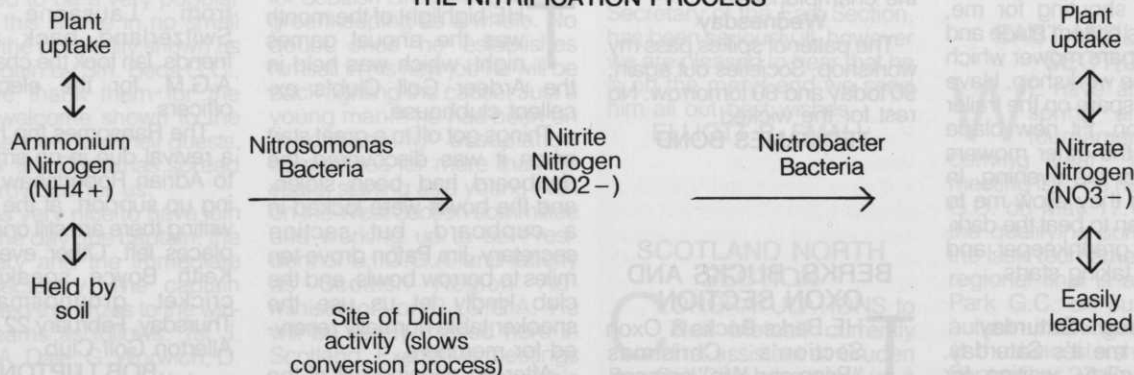
A comment expressed by many greenkeepers, groundsmen as well as the trade is "why so cheap when compared with other slow release products?"

The reason says Steve Hall is simple.

"The production costs are lower. As ICI is a major fertilizer manufacturer and the manufacture of Longlife is in the UK this saving can be passed onto the end-user.

ICI offer a free soil analysis service to all Longlife customers. This service facility conducted at ICI's Jealotts Hill research station, the largest of its kind in Europe, tests 80-90,000 soil samples each year covering agriculture, horticulture and the turf industry. Soil analysis is very important to the greenkeeper and groundsman as it enable a high level of management control to be undertaken. This is particularly highlighted in sand based greens where phosphate and potash levels need continual monitoring."

## THE NITRIFICATION PROCESS





# AROUND THE GREEN

## A GREENKEEPER'S VIEW OF THE 1989 EUROPEAN OPEN AT WALTON HEATH

**T**HE preparation and worry for Clive Osgood, head greenkeeper at Walton Heath starts long before 1989 and works up through the months to the week.

August had no rain and drying out, days were long, hand watering avoiding members and societies every day. The lads getting used to hand mowing again. Who cut that one?! Was he drunk?! Plus all the other things that go with a big tournament.

Then the lorries arrive, tents, stands, track way, fork lifts running all over the place, if they have their way. TV cables and stands go up, it doesn't look like our course any more. Still the members and societies play, sometimes over the heads of the erectors. Play is stopped on the first of the new and 18th of the old.

Now we are working in the early mornings and late at night working to get it right for the players and the TV.

### Day One - Thursday

Start mowing at 5.30 am, I take the mowers and lads out on the tractor and trailer keeping them leapfrogging and waking them up. Lovely sunrise, very peaceful and quiet but no time to stop, all the last minute touches to be done. All mowed, greens, tees, surrounds, holed and pins out, have breakfast and clean and adjust mowers ready for the next cut in the evening. Stakes and roping to sort out, in the evening finish mowing in the dark, check the mowers again ready for morning.

Nine o'clock go home.

### Day Two - Friday

It's 5.30 am again so off we go. Someone running about the course shouting for me, he's bent his bottom blade and needs the spare mower which is back in the workshop. Have to carry the spare on the trailer from now on. Fit new blade and check the other mowers etc ready for the evening. In the evening they allow me to cut one green to beat the dark. Now I'm a greenkeeper and the mickey taking starts.

### Day Three - Saturday

They tell me it's Saturday. Dark and misty, waiting for

daylight so we can get going, it comes at 6.10 am and tee off is at 7 am. We've got to move fast today. I have to help them cutting today, and it's my turn to take the mickey.

Smaller field today so we start the evening cut earlier and all finished by 7.30 pm. My wife says, "What an I doing home, was it a half day?!"

### Day Four - Sunday

Up with the dark! I mean lark!! Off we go, last cut and its raining. Panic, I've got foam coming out of the green as I cut, check the machine, I'm not a greenkeeper after all, what do they do out here? I know, wetting agent, carry on and it's all done again. Check machines and clean them off and then go and watch some golf at last, to see the winner Andrew Murray come home.

It was good to be one of the team, some moans, very tiring but lots of laughs. Great bunch of lads. We won anyway, the course was great.

### Monday

Off we go again, mowing the other course, tees and surrounds, members out at 8 am. Fencing, ropes and stakes to take down, miles of it and everything in the workshop to sort out.

### Tuesday

Mowing and fencing again but it's our day, The Walton Heath Greenkeepers Championship over the tournament course 7111 yds par 72. Ten of us play, even Clive the Head Greenkeeper. Prizes as well, supplied by Nick Hill of Birchgray and our Club Pro Ken McPherson. Boy was it tough. The winner, your truly, giving the lads 25 years at least and a beating. Net 73 off 19 handicap, my day and I won't let them forget. We soon opened the champagne and toasted the championship.

### Wednesday

The patter of spikes pass my workshop. Societies out again, 90 today and 80 tomorrow. No rest for the wicked.

**TED JAMES BOND**

### BERKS, BUCKS AND OXON SECTION

**T**HE Berks Bucks & Oxon Section's Christmas "Bring and Win" competi-

tion was held at Whiteleaf Golf Club, Bucks, on Thursday December 7, 1989. The event was a nine hole Stableford and tee'd off at midday.

Everyone taking part won a prize, with the exception of the overall winner who also took home a fine turkey. The top three winners of the day were as follows: 1st, D. Summerall (Badgemore Park Golf Club), 2nd R. Clarke (Temple Golf Club), and 3rd B. Holt (Burford Golf Club).

A very good turnout made for a very enjoyable day.

Also held at the same venue was our annual A.G.M. Your committee members for the forthcoming year remain the same as those elected for 1989. The committee would like to express their thanks to the following: Jim Sutherland (Head Greenkeeper) for the use of his course for our event. The steward, Mr Whalley, and his staff for keeping the bar open and the Secretary and Committee of Whiteleaf Golf Club.

For providing extra prizes for our competition we thank CMW for the turkey, Riseborough Turf Supplies for the christmas puddings and Maxwell Hart, Rigby Taylor, Stabrite and Golf & Turf Equipment who supplied bottles of various liquor.

On a final note, congratulations are to be awarded to Paul Malia (Flackwell Heath Golf Club) for reaching the final of the 1989 Iseki National Greenkeepers Tournament held at Moor Allerton Golf Club, North Yorkshire. Paul received an award for winning the over 55's part of the competition. Well done.

**HARVEY TRIBE**

### AYRSHIRE SECTION

**T**HE highlight of the month was the annual games night, which was held in the Ardeer Golf Club's excellent clubhouse.

Things got off to a great start when it was discovered the dartboard had been stolen, and the bowls were locked in a cupboard, but section secretary Jim Paton drove ten miles to borrow bowls, and the club kindly let us use the snooker table normally reserved for members.

After an evening full of the

festive spirit (and also not a little beer), the results were as follows: Most points overall: Duncan Gray, Bowls winner: Charlie White, Runner-up: Duncan Gray. Snooker winner: Steve Cockburn, Runner-up: Duncan Gray. Putting winner: Charlie White, Runner up Steve Cockburn. Domino winner: Tom Parker, Runner up: Jim Paton.

The picture shows all the prizewinners with their booty of birds and booze. To finish, on behalf of the Ayrshire Section I would like to wish the rest of the BIGGA membership a happy and successful new year.

**DUNCAN GRAY**

### NORTHERN SECTION

**T**HE final section event of the 80's the Christmas golf at South Leeds Golf Club was almost, but not quite, a flop.

On opening the bedroom curtains to be greeted by a layer of "the white stuff" the day took on a bleak view. Many people who had booked to play turned up and stayed for the meal and, even better, some hung about all day to make sure of a seat at the A.G.M. in the evening.

I would like to thank everyone who did stay and to the staff of South Leeds for putting up with us! Lastly Mel Guy who was more disappointed than anybody that the golf didn't take place.

The A.G.M. did go ahead as planned with fifteen members present. The new officers are as follows: President, Mr W. Mountain; Chairman, Mr P. Sutton; Vice-Chairman, Mr A. Gamble; Secretary/Treasurer Mr R. Lupton and Committee: Messrs E. Walsh, E. Paley, P. Taylor, G. Hope, C. Garnett, B. Carr, T. Jarvis.

Good to see Ian Tomlinson from Lausanne G.C., Switzerland back among friends. Ian took the chair at the A.G.M. for the election of officers.

The Ransomes trip has had a revival due in no small way to Adrian Robertshaw whipping up support, at the time of writing there are still one or two places left. Other events are Keith Boyce speaking on cricket groundsmanship, Thursday, February 22 at Moor Allerton Golf Club.

**BOB LUPTON**



# AROUND THE GREEN

## DEVON AND CORNWALL SECTION

**O**UR Christmas meeting was held at the now traditional venue of Okehampton Golf Club on Wednesday December 13.

First event of the day was the greensome stableford golf competition with the players competing for the P.J. Flegg Trophy.

The non-golfers enjoyed a course walk to gain their appetite for the superb Christmas dinner waiting for them on their return to the clubhouse.

Golf results: 1st R. Whyman & B. Ridgeway, 2nd K. Brown & A. Cann and 3rd K. Broad & M. Oliver. After the Christmas dinner we held the raffle for the Browns Hamper which was present by J. Palfrey of Browns.

This was followed by this year's entertainer the very popular Jethro. As usual he had us all in stitches, but there was a surprise addition to the entertainment especially for Dick Parr who was arrested by a WPC stripogram who took down everything to use in evidence. It must be said that Dick took the surprise very well and I bet he's already planning his revenge.

After Jethro came back on and finished his excellent act we held the second raffle with over thirty prizes on the table. I would like to thank Okehampton Golf Club for the use of their excellent facilities. Thanks to Richard Wisdom and his staff for the excellent condition of the course. Also thanks to the girls in the kitchen for the superb meal and service.

R.M. WHYMAN

## MID ANGLIA SECTION

**T**HE Christmas Texas Scramble once again proved to be a very popular event, this is due in no small part to the hospitality shown us once again by Sth. Beds G.C., and we thank them for the warm welcome shown to the greenkeepers and their guests, also for the Christmas spread they provided for us.

It was very nice to have join us for the day, the captain, the secretary and the immediate past secretary. The captain presented the prizes to the winning teams as follows: 1st J. Wells, A. Dale, G. Worwich, D. Matthews, from Welwyn

Garden City G.C. 2nd S. Proodfoot, G. Bruce, J. Masters, R. Saunders, from Berkhamsted/St. Neots and 3rd R. May, D. Kitchiner, P. Simmons, S. Mason, from Welwyn Garden City G.C.

I think John Wells must have a full set of decanters by now! Finally may I thank the members of the trade for their continuing support of the section, and that all those present at Sth Beds enjoyed their day.

The Match Secretary is to run a new competition this year. The format is to be a four-ball betterball matchplay. A draw will take place after each round and the final will be held on a neutral course.

The competition is open to all greenkeeper members of the section, partners do not have to be from the same club. Further details and entries by March 31 to K. Bunting, Tel. 044 284 3359.

### Future Events

Monday February 19. Mr D. Godfrey, Inter Seeds, Course Management, the venue is Beadlow Mannor G.C., the talk will commence at 2 p.m. sharp.

Wednesday May 2. Golf tournament at Leighton Buzzard G.C. Cost £15.

Wednesday July 4. Summer tournament at Cold Ashby G.C. Other events will appear in this section of the magazine in due course.

Will any section member who has not received the questionnaire and forthcoming events list please let me know. Tel. 0727 35984.

GEOFF SMITH

## SCOTTISH REGION

**T**HE Scottish Region congratulate Chris Kennedy on his new appointment at Wentworth. In Chris we have lost one of the hardest workers for Scottish Greenkeepers and greenkeeping as a whole. No doubt once he establishes himself in his new job he will be back fighting the cause. Just a young man!!! he has been on greenkeeping association committees for more than 20 years, starting as a young man on the West Section committee and working up to be President of S.I.G.G.A. and latterly as Scottish Region Administrator for B.I.G.G.A. He will be sorely missed here in Scotland. Executive meetings won't be the same without his

dry humour and wry comments and the famous "Kennedy Bunnet" will no longer be seen at Region outings.

We must also thank Chris's wife Joan who has been in the Scottish office since it began first working with Joe McKean and then with Chris, dealing with all our many queries and moans with her usual cheeriness and supporting the Scottish Region committee at official functions and events. Before any big event Joan was also tireless in helping Chris with the organisation which took up many hours work. We will miss them both very much and we wish them and their little daughter Suzanne 'Guid Luck' in their new venture.

As from January 1990 I am the new Administrator for the Scottish Region. All Scottish Region business will now be directed to me at my home address, 2 Castle Park, Kincardine-on-Forth, By Alloa, FK10 4QH. The Scottish Region telephone number is now 0259-31445. My wife, Edna, will be on hand most of the time to deal with any calls or enquiries.

The new President of the Scottish Region for 1990/91 is Harry Diamond, Ayr Belleisle Golf Club. A well known personality in Scottish Greenkeeping for many (many?) years. Harry will have as his Vice-President, John Crawford, the new Course Manager at Haggis Castle Golf Club.

The same two people are also our Board of Management representatives. Our thanks must go to Walter Woods for his great contribution on our behalf as one of our Board Members since the inauguration of B.I.G.G.A. We would like to think that Walter will still have a special role to play for B.I.G.G.A. as a whole in the coming years.

We were sorry to hear that Willie Blair the hard working Secretary of the East Section, has been seriously ill, however we are pleased to hear that he is on the mend and we send him all our best wishes.

ELLIOTT R. SMALL

## SCOTLAND NORTH SECTION

**C**ONGRATULATIONS to Neil Metcalf currently first assistant at Cruden Bay Golf Club who takes up a

similar position at Crieff Golf Club on March 7. Also Stuart MacGregor originally from Panmure and Arbroath who has returned from exile in Redcar, to take over at Forfar, and Derick Cowans who is the new head greenkeeper at Ballater.

GORDON MOIR

## NORTH EAST SECTION

**S**PRING Competition - Alnmouth G.C. (Foxton Hall) April 26, 9.30 a.m. Match vs East of Scotland October 9 (Consett). Autumn Competition T.B.A.

Congratulations to Steve Pope on completing 30 years service to Tyneside G.C.

On January 9, in conjunction with Kirkley Hall College of Agriculture, a seminar was held on the subject of drainage. A good attendance of around 80 to 90 greenkeepers, and groundsmen attended travelling from afar as Carlisle and the Isle of Man.

Speakers were of a very high standard first speaker being Mr Howard Swan, his subject: "You don't play golf in Wellingtons". Verdict - excellent!

Thanks must go to Dr R. Parlane and Mr Attwood for their excellent programme of speakers throughout the day. Unfortunately there were not many greenkeepers or chairman greens committees in attendance but it was nice to see Mr O. Snowdon there representing Durham Golf Union.

● Should any member wish to go to Gosforth Park Golfing Complex on the target golf, greenkeepers may use their membership card as before as long as it is not abused.

JIM RICHARDSON

## EAST MIDLANDS SECTION

**W**E have arranged our spring and autumn tournaments for the coming year. The spring meeting is to be held at Rugby G.C. on May 17. This is also the qualifying competition for the Iseki tournament. The Iseki regional final is at Kedleston Park G.C. on June 25. The autumn meeting is to be held at the Leicestershire G.C. on September 27. Entry forms for



# AROUND THE GREEN

the singles and pairs knockout competitions will be sent out in April and it is hoped that they will be well supported. Any members who were unable to attend our A.G.M. and wish to get in touch with me about anything, may do so on Melton Mowbray (0664) 61642.

GORDON MITCHELL

## SOUTH WEST SECTION

"MAD Dogs and Englishmen go out in the noon day sun" or rain as the case may be. In conditions of torrential rain and a scything wind when you wouldn't normally see a greenkeeper for miles around there were dozens of us slogging around the links course at Weston-Super-Mare for the Veals Christmas Trophy.

Experience finally showed through with John Kane the veteran player from nearby Clevedon shooting a superb 76 gross from a 6 handicap.

Everyone deserved a prize. The result is as follows:

1st J. Kane (Clevedon) 76:6:70; 2nd M. Gray (Long Ashton) 82:11:71; 3rd M. Dodd (Burnham & Berrow) 88:14:74; 4th Vic Lewer (Wells) 88:12:76.

1st Gross N. Pring (Wells) 76; 2nd C. Rawlings (Wells) 79.

Congratulations were extended to the Weston-Super-Mare greenstaff, and best wishes were expressed to the Head Greenkeeper Jim Carter on his forthcoming retirement. All competitors gave a vote of thanks to Weston-Super-Mare Golf Club for having us and wished to return in better weather conditions.

That man John Hinton, who must be one of the most widely travelled men in the country recently, popped up at Bath Golf Club on January 10 to give his most interesting talk on fertilisers. John, from B.A.S.F. was in fine form as he gave us plenty of food for thought, provoking an after speech conversation which went on well into the evening.

I'm sure those who bothered to turn up went home with much useful information under their belts. I won't print the actual number of members who turned up in the morning for the guided tour of course and facilities but suffice it to say it saved Head Greenkeeper Bob Burkin a long walk!

The small morning golf com-

petition was won by Richard Gregory of Mendip with 41 points off what used to be a 23 handicap. Don't forget the Regional Seminar at Sparsholt on March 13th, I'll look forward to seeing you then.

PAUL WORSTER

## SOUTH COAST SECTION

OUR December meeting occupied a full day as it consisted of an 18 hole stableford competition, Christmas dinner, section annual general meeting and a talk from our President, Jim Fry.

Joe Burdett has kindly supplied the details of our turkey trot competition as follows: "Sponsored jointly by Rigby Taylor and J.T. Lowe Limited, this 'fun' event attracted 41 competitors from all over the region. The sponsors very kindly supplied the prize table with many turkeys of various sizes, including a bottle of brandy and bottle of whisky for the 'longest drive' and 'nearest the pin'.

"It just so happened that Phill Nason of Southampton, achieved the longest drive and was also nearest pin, but the committee in its wisdom ruled that as he was 'driving' he should relinquish his claim to 'nearest the pin' and let the host club greenkeeper (Reg Varlow) take the award.

"The Chairman, Ken Lodge, thanked the sponsors for their generosity, and said how appreciative the members were of the granting of the Courtesy of the Course for the competition. The meal supplied by the Club was of the highest order, and thoroughly enjoyed by all."

Results: Rigby Taylor Shield and 17lb turkey: Phill Nason, Southampton, 38 points. J.T. Lowe Cup and 15lb turkey: John Flavell, Parkstone, 38 points. Best surviving score (0-14 handicap) 10lb turkey: Bob Walker, Boscombe, 37 points. Best surviving score (15-22 handicap) 10lb turkey: Kerron Daly, Salisbury & S. Wilts, 38 points.

It has been my personal pleasure to look after the golfing needs of the greenkeepers of the South Coast, and with you turning up in such good numbers, it makes the work so much more worthwhile. To our sponsors throughout the year "Thank You for your generosity", long may it continue.

To our host clubs, with your valued support and generosity in granting 'courtesy of the course', our efforts are enhanced. Our long-lasting gratitude is extended to you all.

I would like to thank Joe, on behalf of all our members, for the work he carried out running the section tournaments.

The section annual general meeting followed the presentation of prizes. Reports were given by the secretary, tournament organiser and our Chairman, Ken Lodge, as regional representative for the section.

Items of interest included; venue for the I.S.E.K.I. Regional Tournament at Yeovil Golf Club on June 14. section representatives would be chosen from the section's spring tournament at Hayling Golf Club on May 15.

Election of officers resulted in last year's team being re-elected with the exception of Phil Wentworth who has resigned. Nominations for this vacancy are required, names please as soon as possible. A number of points concerning the magazine were raised, and these will be taken up by your regional representatives.

Copies of the minutes for the 1989 annual general meeting are available from me upon request. Following the annual general meeting our President, Jim Fry, gave an amusing short talk on his visit last February to the G.C.S.A.A. Anaheim. This was billed in advance as an illustrated talk. However, the illustrations turned out to be photographs rather than slides! Jim is going over again this year in the company of Eric James, so between them the section should get the illustrated part of the talk later in the year.

Thank you Jim for all your help and support, and I look forward to next year's presentation.

BOB DENNIS

## SOUTH WALES

I WOULD like to thank Pyle & Kenfig Golf Club for giving us courtesy of their course and clubhouse for the day.

Also thanks to Paul Robinson and greenstaff for putting the course in excellent condition and the stewardess behind the bar and kitchen staff for the wonderful food.

On Wednesday, December 3, we held our Christmas competition at Pyle and Kenfig Golf Club. The day started with everybody meeting at the club at 10.00 a.m. and then proceeding to hold our A.G.M.

The meeting was well attended, probably the most that has been there for many a year, and I would like to thank all that made the effort to attend.

The meeting started with the chairman, Mike Jones opening the meeting, by thanking everybody for their help throughout the year and told the meeting that he would not be able to carry on next year as he will be captain of his home club.

The two sub-committee members were selected, with the following being elected: Education, Steven Evans, Dave Coundley and Peter lacey. Golf and Social, Robert Kitcher, Dennis Jones and Gareth Rees.

Huw Morgan told the meeting that the Education Officer, David Golding has been to a meeting at Penceod College with the possibility of it becoming the Welsh college recognised by headquarters. Dennis Archer said that the college has been rejuvenated and firms are making machines available to the college for teaching purposes.

The Welsh Golfing Union will fund greenkeepers to go to Mold but not to Penceod.

Huw Morgan asked if there were tickets allocated for the Ryder Cup to Greenkeepers, Dennis Archer said that there were tickets allocated and were available at the I.O.C. show at Windsor.

Mike Wilson brought up the subject of the golf meetings and said that he thought there were too many meetings. A vote was taken and was carried by the meeting, it was proposed by Walter Jones and seconded by Robert Kitcher.

The following officers were elected: Chairman Huw Morgan proposed I. Morris, seconded M. Wilson. Vice-chairman Hugh Parry proposed P. Swain, seconded S. Evans Treasurer Paul Robinson re-elected. Section Administrator Philip Swain re-elected.

The Section Administrator told the meeting that since he changed his job he sometimes could not make the meetings and would be using the other



# AROUND THE GREEN

officers appointed. The meeting took note of the administrator's comments. Committee members: Robert Kitcher proposed H. Morgan, seconded H. Parry. Gareth Rees proposed H. Morgan, seconded S. Evans.

## Regional Board

Dennis Archer and Philip Swain were re-elected and Hugh Parry was voted on to the Board to make sure that if the Section Administrator could not make it there would still be two people present from the section.

The fixtures for 1990 have been arranged and hopefully there will be fixture cards printed and sent out to members.

**PHILIP SWAIN**

## KENT SECTION

**N**OT much to report this month, although you will have been notified of some of our forthcoming lectures. Looking forward to this year I suppose we will soon be arranging our spring tournament at a venue yet to be decided, but for now we must concentrate on getting the winter out of the way.

Approximately 30 members attended our Turkey Trot Christmas competition at Wilderness Golf Club on Thursday December 14 (although Bernard Dibhams was all set to play on his own the day before). Thanks must go to John and his staff on the condition of the course and to the club and the catering staff for being so hospitable and laying on a super Christmas dinner.

Conditions for play on the day were not very favourable and led to some reasonably low point scores, with every point being hard earned, but at least everybody left with a prize. First choice went to Nigel Stapely on a count back over Steve Suttle and Bryn Preece.

The A.G.M. passed quite peacefully although with 106 members now in the Kent Section the hard core 30 or so as usual attended, leaving some to wonder that somewhere there must be 70 exceedingly shy greenkeepers perhaps with a section of their own holding meetings in some secret location.

If they could overcome this condition we would be only too pleased to have them attend and participate in the activities

of what is, after all, their section and association.

The only changes as far as the committee goes is the resignation of Derek Keen of Tudor Park. Due to very heavy workload and responsibilities over the country he felt that he could no longer give adequate time and support.

He has all our thanks for his past work and his place is now taken by David Wood of Holtye Golf Club. As John Millen pointed out having a large membership does create a small problem as far as the section's funds are concerned, as sending out, information about events and golf tournaments does eat into the piggy bank as well as the costs of running some of the competitions.

We were reminded that there is now £109.00 in the hole in one fund for an ace in one of our competitions, and there would be no more worthy a winner of this prize than John Millen.

John devotes an enormous amount of time and effort not only in the running of the Kent Section, but also to the Association as a whole and he deserves our thanks and appreciation, which must also extend to his family for the disruption that we cause to their lives, and to Canterbury Golf Club.

**PAUL COPSEY**

## CENTRAL SECTION

**T**HE largest fund raising event held in the section, the Annual Prize Draw, was held at Tulliallan Golf Club, with the main prize winners resulting as follows:

1st L. Cruickshank. 2nd K. Ritchie. 3rd S. Stewart. 4th A. Revell. 5th A. Jones. 6th B. Lawrie. 7th S. Massam. 8th T. Peddie. 9th M. Cooper. 10th J. McAtamny.

Our thanks go to Tulliallan Golf Club for giving us the use of their clubhouse, our guests who helped to make the draw, everyone who attended and to those who donated prizes.

Entry forms will be reaching members soon for the Spring Tournament at Elie on the 19th April, and the Inter Club Tournament, which is run throughout the summer. If members wish to enter these competitions PLEASE return the entry form, along with the correct fee, by the date printed on the form.

As many will know I have

moved from Dunfermline Golf Club to take over as Course Manager at Haggs Castle. I will remain as Section Secretary in the meantime and my new address is 82 Dumbreck Road, Glasgow G41 9DW. Tel. 041 427 4701. If any member wishes to take a more active part in section affairs and finances the office of Section Secretary, please get in touch with me.

Another committee member

on the move is Keith Vertigan of SISIS, Keith has moved back down south. Although lost to the section committee he will not be lost from Scotland completely as he will be running the Scottish area from England, sounds familiar. Keith has served on the committee of the Central Section since it was formed in 1980 and the best wishes of every section member go to him and his family for the for the future.



**KEITH CLEVERLY**

**“T**HE Association learnt with great sadness of the passing of Keith Cleverly. He was well liked and respected by many of our members and very supportive of the Greenkeeping profession. Keith was instrumental in establishing ICI's close links with BIGGA and the success of the ETME Seminar programme owes much to his initiative. He was good company and always enjoyed life to the full. At a personal level, I much appreciated his help and advice in the early days of BIGGA as he saw the need for the Association to establish firm roots for its future development. I know that I speak for all our members in offering our deepest sympathy to Keith's family at this sad time”.

**NEIL THOMAS**



## THE EFFECTS OF MOWING

### HEIGHT AND FREQUENCY

### OF CUT ON THE

### QUALITY OF PUTTING

### SURFACES

By David Boocock,  
Agronomist STRI

#### Background

THE appearance and quality of putting surfaces are affected by the height of cut, frequency, time of day, as well as the pattern of mowing and type of equipment that is used. From the earliest days of preparation of lawns and areas used for sports turf, it has been appreciated that regular defoliation of any herbage is a severe regime, and thus one simple operation eliminates a large range of potential competitors.

It restricts plant populations to dwarf growing or mat forming species such as daisy, clover and the wiry, shorter growing grasses that can survive such conditions. Amongst the grasses, such treatment tends to favour the finer fescues such as Chewings and slender creeping red, both browntop and creeping bent and annual meadow-grass. Occasionally naturally selected forms of smooth-stalked meadow-grass, ryegrass and creeping soft grasses, will persist even under close cutting.

#### Mowing effect

The effects of close mowing include stimulating aerial shoot growth, improved density and smaller leaf size - fining down coarser bladed grass leaves. It also decreases root and rhizome growth and the manufacture and storage of carbohydrates. Clearly the cut leaf surfaces are potential entry points for disease organisms.

One of the basic laws of growing turf is that if grass is making height then it is not making density. It therefore follows that mowing should commence on a newly established sward as soon as the surface can take the equipment. A general rule of thumb is to remove no

more than one third of the green leaf tissue at any one mowing. Allowing the grass to grow away and then cutting back severely, removing say two thirds of the green leaf, weakens and thins out the plants.

The clear implication, and well proven in both trials and practice, shows that of turf cut once, three and five times a week, the sward cut most frequently consistently produced the best quality turf, densest sward and greater number of shoots per square inch.

#### Mowing Height

Effective height of cut is the height of the shoots immediately after mowing. It is similar but not exactly the same as the bench setting, i.e. the mechanically measured height of cut.

All cylinder mowers ride on the top of compressed foliage so the effective mowing height will be slightly greater than the bench setting. The extent of this difference will depend on stiffness, elasticity and size of grass shoots as well as the weight of the unit and size of front and rear rollers.

When ground conditions are soft following rain or on poorly drained surfaces, or where thatch is present, the mower can sink in enough to reduce the effective mowing height - sometimes below bench setting and often responsible for scalping or scrubbing, particularly at the edges of greens.

Close mowing can thus produce a turf which is aesthetically pleasing and suitable for the game of golf, but there are disadvantages. These include the sward being less tolerant of environmental stress, more prone to disease and very dependent on good management. The shorter root system cannot draw on deeper reserves of moisture or nutrients in the soil.

The greater number of shoots are under more competitive stress and so less tolerant of heat, cold, drought, disease and foot traffic. We must therefore compromise by adjusting the height of cut to suit both the game of golf, time of year and any additional stress the sward may be under.

#### Height of Cut

Traditionally in our mild climate greens are topped at 5/16th in during autumn and winter - from the time that growth slows down noticeably, usually in October. Longer grass inevitably means slower paced greens and often uneven surfaces, especially where a variety of grasses forms the turf cover. Species such as annual meadow-grass stop growing earlier; some browntop bents, Yorkshire fog grass etc. continue making slow growth and these differences in height, even when cut uniformly, result in unevenness. This begs the question 'why not continue cutting at summer height'?

The reason for raising the height of cut in autumn is straightforward and simple - imagine grass as the pile on a carpet. If you start winter with a short pile, the effect of continued play is to reduce it even further through wear and abrasion, exposing grass crowns to damage, thatch or even the soil. With less "cushion" or pile, the soil beneath is more vulnerable to the compacting effects of play and this damage results in slow recovery and growth in spring and, of course, a weak, thinner grass cover is much more prone to invasion by free-seeding species such as annual meadow-grass.

Winter cutting height has to be a compromise between what is acceptable for the game at that time of year and weakening of the plant. Topping occasionally as necessary to maintain the desired height is still important, since excess leaf cover encourages disease through creating a moister micro-climate in the leaf canopy.

Taken to extreme, too long a cover will weaken and thin out the grass through shade effects and, of course, is likely to cause bleaching or result in a severe check when cut down in spring.

In summer mowing objectives are different. There must, however, be a gradual transition between winter and summer height of cut. In our uncertain spring weather, too close cutting too early frequently gives rise to problems, severely checking growth if there is a late cold spell, leading to increased wear and slower attainment of full and sustained growth.

The height of cut adopted in summer aims to provide a uniform and smooth surface of consistent pace. Heights vary slightly according to the resources available at any given club, but a general average is 3/16th in., slightly lower, to say 5/32nd in., when sustained and vigorous growth is taking place, slightly higher when there are other stress factors, e.g. problems with irrigation during drought.

Greens can, of course, be cut even closer given a thin bottom blade and smooth surface and are often consistently mown at 2/16th in. all summer, purely with a view to maintaining pace. This particularly severe regime can be detrimental long-term - or even in the short term, if additional or more severe stress factors are not taken account of.

Much depends on which grasses are the predominant species, soil type, amount of play and management skills of the greenkeeper. Generally speaking, prolonged over-close cutting such as this leads to a weaker turf, allowing moss to spread in, damage from play and invasion or further spread of annual meadow-grass.

#### Frequency of Cut

Practical experience and trial work over many years has shown that frequent mowing, not too closely, is far superior for both maintenance of the grass species best suited to golf, and for the game itself.



When grass is growing vigorously, daily mowing is routine, at most top class courses. Grass can put on between 1/16th and 2/16th in. leaf extension in 24 hours, most of that at night, which will dramatically alter pace and since grasses grow at different rates, there is some effect on smoothness too.

Daily mowing will eliminate these effects and present putting surfaces at as near the ideal height for play as possible.

The advent of triple mowers made such frequent cutting a practical proposition for those clubs with limited numbers of staff and certainly eases problems at the weekend when most club competitions are played.

#### Direction of Cut

Varying the direction of mowing is an important aspect of this routine operation. All grasses tend to develop a "grain" or "nap" if mowing is constantly carried out in only one direction. This results from leaves, stems and any stolons being pushed flat by the front roller and encouraged to grow in the one direction only. Over time this will certainly affect both pace and trueness of the surface.

Since we require grass to be growing as upright as possible, the direction of mowing should be altered at every cut, usually in each of four directions in turn. This is most easily achieved using hand mowers and the distinctive pattern they produce is more striking than that of triple units. A consecutive ribbon pattern is usually adopted for each individual mowing. It looks attractive, and minimises compaction during turning on surrounds.

Mowing with triples does present difficulties on some smaller greens, especially where some surrounds and features limit areas where turns can be made and quite often opportunities for varying the direction of cut too. Wherever practical, mowers should be turned on surrounds, not the green itself, and over a wide arc rather than a sharp, spin turn which scuffs and bruises the grass leaves.

Triples demand a wider turning circle and wear and tear thinning out the cover can be a problem around the edges of

the putting surface. Excessive speed on the final outer trim pass is the biggest single factor in wear here. Occasionally omitting this final pass, varying the width and wheel track by raising one or other of the outer units on triples which have this facility, and hand mowing once or twice a week, all help to minimise such damage.

#### Speed of Putting Surface

Green speed or pace are the current buzz-words to which golfers pay far more attention than is warranted. Committees in their ignorance pursue the concept of pace on greens as if this were the only aspect that counted on putting greens, often to their long-term detriment. Far too many people have the fixed idea that pace results simply and solely from closer cutting. Many an annual meadow-grass green has been "tarted up" for A Pro-Am by shaving far too closely for a few days and the general membership have lived to regret it in succeeding weeks, if not months, as the turf struggles to recover.

Height of cut is but one aspect affecting the pace of greens and in aiming for speed we must not risk losing all-year-round playing conditions. Speed depends on a number of factors including:

**1. Weather Conditions:** Weather patterns are unpredictable in the UK and weather always has the final say. Heavy rain before any match will always slow greens down, and if followed by drying winds pace can improve dramatically in a matter of hours - remember Royal Lytham during the 1988 Open.

**2. Species of Grass:** This is possibly the most important factor. Fine-leaved fescues will always be faster and annual meadow-grass greens the slowest.

**3. Height of Cut:** Shaving greens will speed them up for a time, but this kills fescue very quickly. Agrostis is rather less affected, but is weakened and opened up, thus letting free seeding annual meadow-grass spread and eventually dominate.

**4. Frequency of Cut:** Cutting 7 days a week at a sensible height gives far quicker greens than mowing alternate days and avoids the need for over-close cutting.

**5. Grooming:** Regular light grooming which helps keep surface nap to the minimum is useful once or twice a week during the growing season, as too is combing or brushing.

**6. Verticutting:** Surface thatch, fluffiness, straggly flattened stems, are all inimical to pace. Verticutting helps to maintain upright growth and carried out at a light setting once a week, provided growth is satisfactory, can improve pace quite noticeably. Trials have shown increases in pace of as much as 1 foot over stimp-meter readings of 7 foot before verticutting.

**7. Drying greens out:** Clearly dangerous if drying out goes beyond the point where it becomes difficult to restore permeability.

**8. Lean greenkeeping:** Referring to minimal use of both fertilizer and water - thus indirectly encouraging the finer grasses and avoiding the lushness and seeding of annual meadow-grass which slows greens up dramatically.

These points clearly show the dangers of going for excessively slick greens for a major event and risking their condition the rest of the year. The aim must be to keep blades to about 3/16th in. for most of the growing season, coming down to 2/16th in. for only limited periods, to mow daily (or twice daily) for really big events, to groom and verticut lightly and regularly when there is growth and to keep feed and water to the minimum.

This does not mean there should be no special preparation before a major tournament. Naturally, clubs and greenkeepers want their course to be enjoyed and be a fair test of the professional or amateur golfer's skill on the day. They will be as much in favour of having fast greens as all good golfers are, since the game is won on the green, but must keep things in perspective and within the restraints discussed above.

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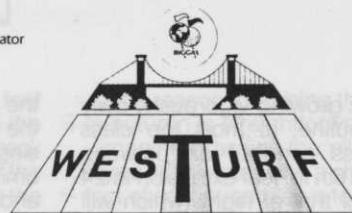
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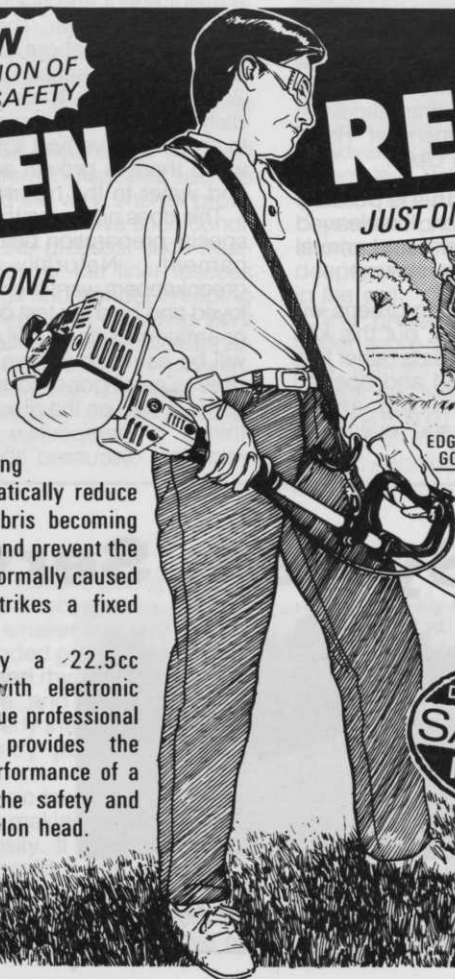
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# NEW COURSES

## ON COURSE FOR EASTER

### OPENING

**C**OLLINGTREE Park Golf Club, the UK's first five star combined golf and housing development with leisure resort, is on course for its scheduled Easter 1990 opening and is already inviting corporate business and private membership.

The Northamptonshire complex features a challenging course designed by former US and British Open champion Johnny Miller in consultation with the Jack Nicklaus Organisation. Centrepiece of the 18 holes is the innovative island green at the 18th, probably Britain's first.

Designed for all levels of golfing ability, the main par 72 course is situated in 150 beautifully landscaped acres. There are over six miles of underground piping for drainage purposes and 14 miles of irrigation piping with 11 acres of lakes to control a floodplain area.

Included in the golf development is an exciting new training academy, claimed



*Peter Jones, Course Manager described the 18th green shown above as 'really special'. We can see why!*

to offer the most sophisticated golf practice facility in Europe with a 16 bay covered range; two par four and one par three practice holes; an indoor video teaching room and a computerised custom fit club centre.

Unique to Collingtree will be free use of buggies for members. Paths have been laid throughout the course to enable buggies, to be used all year round.

In addition to the course itself, plans are being prepared for a luxurious 100 bedrooomed country house hotel, due to open in autumn 1992. This will be constructed in the heart of the development.

And already nearing completion is the first phase in a series of prestige housing developments by some of Britain's leading quality builders. More than 200 individually designed executive homes - priced between £230,000 and £400,000 each - are being built on 64 acres of land around the course. Most are being constructed alongside the fairways.

Collingtree Park has been developed by International Resort Holdings Ltd (IRH), a subsidiary company of the Property Company of London PLC.

**EDITORS NOTE:** Greenkeeping Management wishes to receive details from both the private and public sector about new course developments.

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# WETTING AGENTS

## THE LONG HOT SUMMER - DID WETTING AGENTS PERFORM?

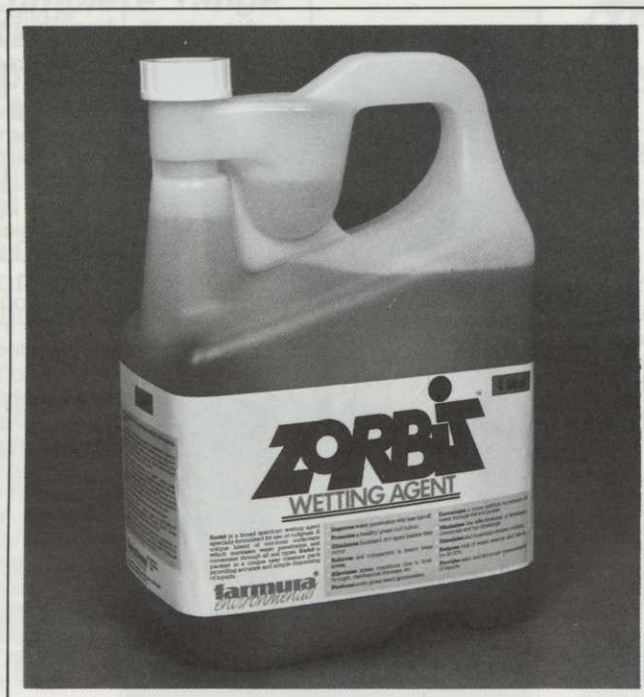
**T**AKING a look at field results and the results of controlled scientific trials - the answer is "some did and some did not". We take a closer look at what happened and give some reasons why to help you make decisions about wetting agent use this year to give the right results.

The benefits for turfgrass management include prevention or alleviation of dry patch, penetration of water through thatch build up, penetration of water into hard, dry, compacted areas, more uniform turfgrass cover and quality and increased water efficiency because less water is wasted by run off and evaporation. Problems with several of these situations were experienced last summer.

Did wetting agents perform? Yes. Were there differences in performance? Yes. Both in products and in methods of use. For example, trials conducted by STRI during the last two years have revealed significant difference in the effectiveness of wetting agents for increasing infiltration into turfgrass on golf courses.

Differences have also been observed in the amount of product required to achieve results, the actual cost of using different materials, the residual of applications, etc. Several wetting agents perform quite consistently well - some do not seem to work at all. STRI trials have also shown differences in the performance of preventative as compared to curative type application programmes.

Results from the recent "long, hot summer" showed that AquaGro used preven-



tatively, i.e. commencing applications in the Spring, BEFORE dry patch appears, was effective in keeping dry patch from forming. By contrast, a curative program, i.e. not beginning wetting agent applications until some dry patch is evident, eventually alleviated the dry patch problem - but not without stress occurring to the turfgrass. These results are consistent with findings in several other countries where the AquaGro is used for prevention or alleviation of dry patch.

Wetting agents did perform last summer. There are products on the market that work well and the better informed greenkeeper who uses them strategically will benefit from their use.

## FARMURA ENTERS ZORBIT!

**F**OLLOWING ten years of research and development Farmura Ltd have entered the turf wetting agent market with their new broad spectrum wetting agent, Zorbit.

Zorbit contains a unique blend of non-ionic surfactants designed to assist water penetration and movement through a wide range of soil types.

In addition to improving water penetration, eliminating dry spots and relieving the effects of soil compaction Zorbit will maximise the benefits of fertiliser and top dressing applications and stimulate deeper root development.

Zorbit is supplied in 6 litre packs which provides accurate, simple and economic dispensing of liquids.

For further information contact Farmura Ltd., Stone Hill, Egerton, Ashford, Kent, TN27 9DU. Tel: (023 376) 241/581.

## NEW SYSTEM FOR APPLYING AQUA-GRO WETTING AGENT

**S**UPATURF have introduced a new system for applying their leading wetting agent, Aqua-gro - the Aqua-gro Advantage System.

This brand new system incorporates a ready-to use applicator which fits quickly and easily onto a standard hose, and an Aqua-Gro pellet container. By simply fitting the pellet container into the applicator, Aqua-gro can be applied through a hose pipe during normal irrigation, allowing water to move uniformly into root zones. The high volume of water used ensures complete turf safety under any weather conditions providing temporary relief for localised dry spots, puddles, compaction or thatch.

The Advantage Applicator and fittings are able to handle the high pressures normally used to operate irrigation systems. The pellet will dissolve in about 1 hour at water pressures of 60 to 90 psi and one pellet should treat up to one acre or 6 to 7 average greens at a rate of 10 minutes per green.

**Farmura**  
environmental

## IN 1989

FARMURA LAUNCHED  
'ZORBIT' THE NEW  
TURF WETTING AGENT  
FORMULATED  
SPECIFICALLY FOR USE  
ON FINE TURF

**RESULT:** GREENKEEPERS VERY PLEASED. COMPETITORS NOT PLEASED AT ALL!

STONE HILL, EGERTON, ASHFORD, KENT, TN27 9DU. TELEPHONE (023 376) 241/581

# ZORBIT

## WETTING AGENT

- Promotes a healthy green turf colour
- Eliminates localised dry spots before they occur.
- Relieves soil compaction in heavy wear areas
- Encourages a more uniform movement of water through the soil profile
- Stimulates and maintains deeper rooting

6  
LITRE  
easy  
dispenser  
pack



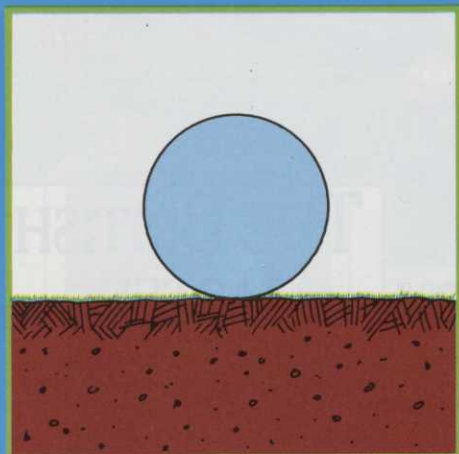
- For early Spring Greenup.
- Reduces time spent watering by up to 50%.
- Improves effectiveness of systemic fungicides.
- Alleviates dry spot problems.
- Drains excess water quickly.
- Reduces costs — saves time.

- Maintains deeper rooting.
- Grows more uniform turf and plants.
- Improves soil insecticide control.
- Reduces frost damage.
- Reduces potential for disease.
- Increases uniformity and quality.

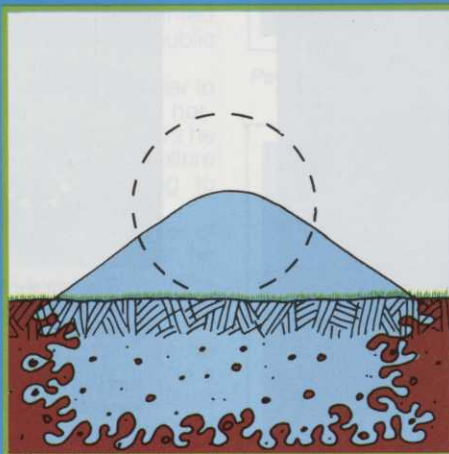
make  
your  
water  
work  
with...

# AQUA-GRO

Water drops stick together, do not penetrate, wet through, or drain in soil.



AQUA-GRO eases surface tension, water moves into and through soil freely and uniformly.



Uniform water movement means better plant and turf growth, aeration and drainage. No dry spots! No wet spots!



the wetting agent you can trust

**Supaturf**

Supaturf Products Limited  
Old Fosse Works, Coventry Road  
Narborough, Leics LE9 5GJ.  
Tel: (0533) 750256 Fax: (0533) 750973



# The Perfect Mixture for Every Application



Grade A Amenity Mixtures provide the basic essentials for a greener Britain. High quality grass seed with good persistence, hard wearing resilience with good colour and, in many cases, considerably reduced maintenance costs.

24 different mixtures, selected to meet the most exacting professional standards, are available for the whole range of amenity uses.

Qualified technical advice on any aspect of amenity seed use is available from the acknowledged experts in the industry.

**GRADE  
A  
AMENITY  
MIXTURES**

*keeping Britain green*

*Phone for a free catalogue now*



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BANBRIDGE 08206 22207

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

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Telephone 031 663 6617  
Fax: 031 663 0651

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**"THE BEST TURF ON EARTH"**



Lindum are Masters of growing fine turf for golf greens and tees.

**THE BRITISH  
MASTERS.**

"I am absolutely delighted with the quality of the Lindum turf supplied for the greens of our new south course." Michael Hunter, Estate Manager, Wentworth Golf Club.

Need we say more? If so, ask for a copy of our new brochure.

**LINDUM** Seeded Turf  
FOR LANDSCAPE AND LEISURE

For more information, telephone Stephen Fell, 065 261 329, Lindum Seeded Turf, Church House, Horkstow, Barton on Humber, South Humberside DN18 6BG.

**THE MASTERS OF FINE TURF PRODUCTION**



# MOVEMENTS AND MURMERINGS

## NEW HUXLEYS APPOINTMENT HIGHLIGHTS MAJOR EMPHASIS ON PRODUCT DEVELOPMENT AND PRODUCTION

**E**DDIE Fox, a member of the Huxleys grass machinery team for 20

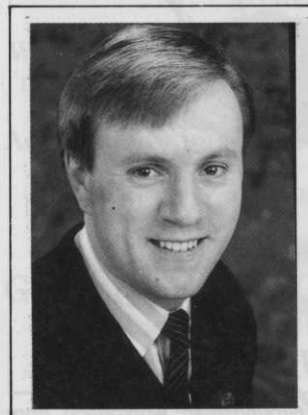


Eddie Fox

## CLAYMORE GRASS MACHINERY NEW APPOINTMENT

**I**AN Rotherham has joined Claymore Grass Machinery as Northern Area Sales Representative. Ian will be responsible for the sales and marketing support to Claymore customers in Northern England up to the Scottish Borders.

Ian, who is 29, was previously general manager with a prominent horticultural machinery retail group and has previous experience as a retail sales representatives for professional grass machinery.



Ian Rotherham

years, has been appointed a director of the company. He takes on overall responsibility for the new product development and production departments of the business, which is located at The Dean, New Alresford, Hants.

The appointment reflects the new level of importance acquired by equipment development and manufacture within Huxleys following the company's decision to concentrate its activities on the sales, service and hire of its own Huxley product range.

"Eddie's exceptional talents and experience of both the industry and the company will help ensure that these objectives will be met fully in coming years," commented Mr Edward Huxley, the founder of the business. "He has made an immense contribution to the past development of the company, and his appointment as a director reflects the major emphasis now being placed on new product developments and production.

Married with two daughters, Eddie comes from a farming family and trained as an agricultural engineer at Rycotewood after leaving school. He spent some time in the automotive trade prior to joining Huxleys in 1969. His interests include photography, carpentry and golf - when time allows!

## ROGER AT THE HELM

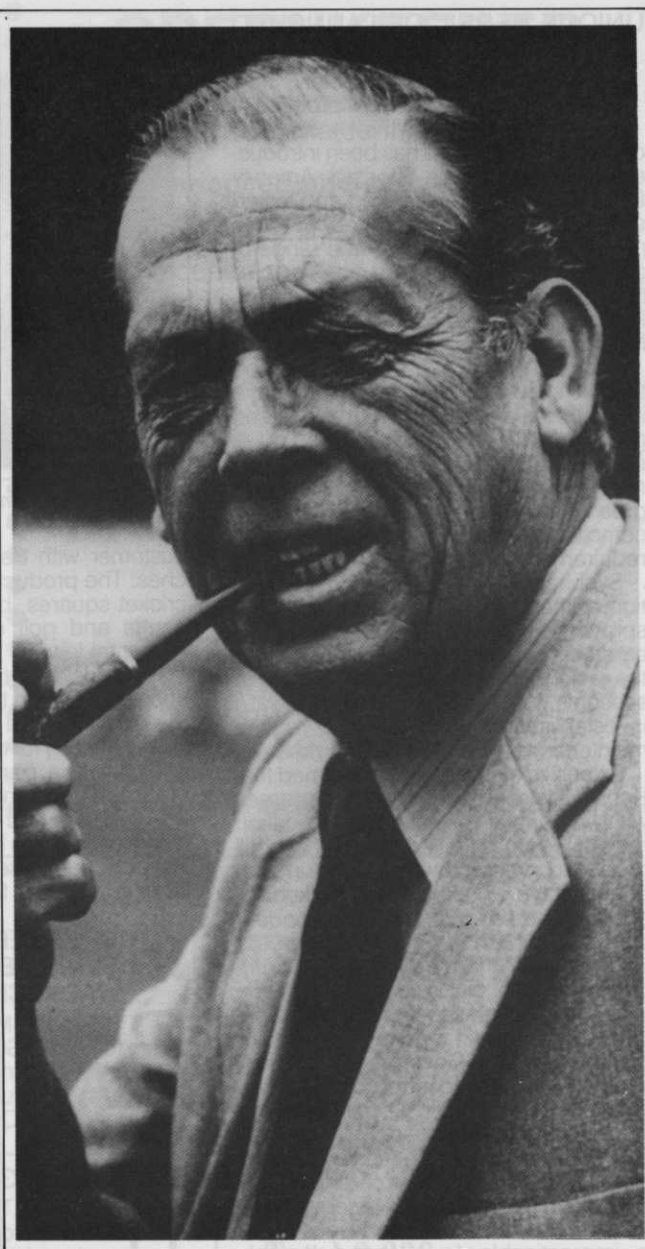
**C**HARTERHOUSE Turf Machinery, the specialist in turf management equipment, has appointed **Roger Newman** as its public relations officer.

Roger, 40, will be familiar to many people in the horticultural world for 19 years he was news editor of Horticulture Week magazine, leaving to work freelance in 1988.

A former council member of the Historic Gardens Trust, he is the author of several books on subjects ranging from the Vikings to English rural life.

Of his new appointment, he said: "I am delighted to join a young, vibrant and enthusiastic team. In the turf management field Charterhouse is already a force to be reckoned with, and I look forward to its continued expansion."

Roger lives in West Sussex and his hobbies include deep sea fishing and gardening.



Peter Dobereiner



Roger Newman

**V**ETERAN golf correspondent, Peter Dobereiner, has retired from The Observer in order to pursue a new career as a golf course designer and consultant. He intends to restrict his writing commitments to books and magazines and to specialise in creating low budget golf courses. Dobereiner's experience in farming and golf has convinced him that economic construction and maintenance charges need not mean a sacrifice in the quality of golfing values. His first course opens next year and he has a number of projects in the planning stages.

Please find further Recruitment ad on page 11



# PRODUCT FOCUS

## UNIQUE HERBICIDE LAUNCHED BY SYNCEMICALS

**K**NOT OUT, a completely new answer to the perennial problem of weed invasion in newly sown or oversown grass areas has been introduced by Synchemicals Sports & Amenity Division. Containing the tried and tested active ingredient Isoxaben, Knot Out's residual action controls a wide range of germinating broad-leaved weeds, plus the time old enemy of the turf manager, knotgrass. The approved product MAFF No. is 04701.

Sport & Amenity have taken the opportunity to supply the product in a novel syringe applicator pack. Each premeasured dose is sufficient to treat 540 sq.m – equivalent in area to a football pitch goal mouths/centre circle or an average golf green. It couples easy handling with full compliance of the very latest safety requirements.

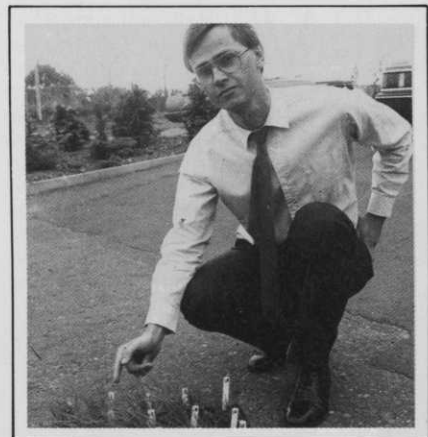
Synchemicals recommends application, either by knap-sack or mounted sprayer two days after seeding a well aerated, moist surface. Left undisturbed, the residual herbicide barrier will offer a season's weed control. Once the sward is established it can join the regular maintenance treatment programme.

Extensive trial work has confirmed that Knot Out is completely safe to all grasses with no varietal restrictions. Application rates of ten times that advocated have still produced grass growth. Major turf producers have all expressed marked interest in the product, and independent trials at STRI are currently in progress.

Technical Manager, Charles Platt comments that Knot Out is completely unique in its timing, weed spectrum and application. The product has a low vapour pressure and the Government approval enables pedestrian controlled equipment to be safely and legally used – a bonus for less favourable areas.

Other products on the market, he says either carry weed control and spray equipment restrictions or a recommendation not to re-seed within six weeks which is impracticable for a groundsman's programme.

Local authorities are seen as a major



Charles Platt: "Grass growth from ten times application rate."



Trevor Holmes, Commercial Sales Manager with new Knot Out.

customer with treatment of football pitches. The product is equally suitable for cricket squares, bowling greens, tennis courts and golf courses and also ornamental lawns.

He considers that the current weed species listed on the label do not reflect the true potential for Knot Out. "Apart from the listing for mayweeds, chickweed, speedwells, parsely-piert, common mouse-ear and knotgrass, excellent control of other broad leaved weeds such as plantains has also been achieved. It is envisaged that these will be added to the label in the near future."

## INCREASED EFFICIENCY WINS TENDER FOR WARWICK SERVICES

**G**ROUNDS Maintenance Manager for the DSO, Warwick Services, Mr. Quentin Nichols together with Assistant Grounds Maintenance Manager, Terry Cripps examined tradi-

tional greenkeeping practices closely in their efforts to bid successfully for the first landscape maintenance package for Warwick District.

This initial package, some 33% of the total landscape maintenance, has a value of £375,000. The package consists of a wide variety of areas including many fine turf areas. Amongst them is the increasingly popular Newbold-Comyn Golf Club in Royal Leamington Spa and the prestigious Victoria Park Bowling Greens, home of the Ladies National Championships.

Together with Kevin Kibney, Head Greenkeeper at the golf club and Veronica Tabor, Greenkeeper at the Victoria Park site, the Warwick Services team decided to look at a range of machinery which could be used to increase efficiency and compliment the existing range.

It was with this in mind that Warwick Services chose to look at the SISIS Hydrocore, a vertical action tining machine to add to their existing range of pedestrian operated fine turf machinery to speed up hollow coring and slitting operations on greens and cricket squares.

All the greenkeeping staff and management were impressed with the performance of the Hydrocore which was demonstrated extensively on the Victoria Park Bowling Greens only a couple of weeks prior to the Ladies National Finals! The machine was purchased a few weeks later and although based at Victoria Park it will also be used on the golf course and throughout the area covered by the contract.

In addition to the SISIS Hydrocore, SISIS Rotorakes play an important part in the turf maintenance programme for spring and autumn renovation work and summer grooming on all greens. Greens are cut daily using Lloyds Paladins and rolled regularly during the playing season.

## JUNIOR GROUNDSMAN

**R**& R (UK) LTD have introduced the Junior Groundsman. This mini-version of the popular Groundsman Workbench has been specially designed for smaller workshops. The machine for repair is simply wheeled on to the 1m x 0.5m worktable, then raised to a comfortably working height by means of a foot operated hydraulic ram.

The Junior Groundsman can lift up to 300 kg in weight. Its compact size and portability make it ideal for mobile units and workshops where space is limited. Paul English, R & R's Managing Director, commented: "The health of staff is of absolute importance in today's workplace. Time lost due to back injury through lifting heavy machinery creates major problems – especially for small businesses. The addition of a Junior Groundsman in a service department not only increases efficiency, but is a more professional approach to servicing."

The workbench is priced at £399 plus VAT.



The Junior Groundsman workbench from R & R (UK) Ltd.



# Staverton Park Hotel

and Golfing Complex  
★ ★ ★



## 2nd Assistant Greenkeeper Required

To join existing team under the leadership of Course Manager, Howard Middlebrook. Applicants should be fully qualified, preferably members of BIGGA and be able to demonstrate a good all round knowledge of greenkeeping skills. This is a live out position offering good working conditions and excellent future prospects and a salary in line with current recommendations.

*In the first instance please write giving full details to:-*

**MR HOWARD MIDDLEBROOK,  
COURSE MANAGER, STAVERTON PARK  
HOTEL AND GOLFING COMPLEX,  
STAVERTON, DAVENTRY,  
NORTHAMPTONSHIRE NN11 6JT**

## HEAD GREENKEEPER

required for busy public pay as you play  
Golf Centre near Maidenhead in Berkshire.

An **experienced and active person** who  
wishes to work hard to improve and  
maintain a very successful Golf Course,  
opened in 1985, is required.

The position is for a person of **proven  
ability** with suitable qualifications and  
experience in all aspects of course  
management and machinery maintenance.

**Excellent accommodation** is available  
together with a **first class salary and  
conditions.**

*Please apply to:*

**MANAGING DIRECTOR  
C.S.L. ENTERPRISES LIMITED  
HAWTHORN HILL GOLF CENTRE, DRIFT  
RD., HAWTHORN HILL, BERKS SL6 3ST  
TELEPHONE 0628 771030  
FAX NO. 0628 31023**

## Course Manager/ Head Greenkeeper

A fully qualified course manager/head  
greenkeeper is required for busy 18 hole  
course in West Sussex. The successful  
applicant must have had at least 3 years  
experience as a head greenkeeper or 1st  
assistant, and must have passed the most  
recent examinations in course management.  
The course has a fine reputation, and the  
successful applicant will be expected to  
maintain the standards obtained by his  
predecessor.

With this demanding post goes an attractive  
remunerative package commensurate with  
the sort of candidate we are seeking.  
Accommodation can be available if required.

Apply in first instance with brief C.V. to:

**BOX NO. F8  
GREENKEEPING MANAGEMENT  
SPENCER HOUSE, MARKET  
LANE, SWALWELL, TYNE &  
WEAR NE16 3DS**

## GREENKEEPING

MANAGEMENT

## ANNOUNCEMENT

In April 1989 there were 2,134 Greenkeeping  
Members of BIGGA  
and 204 other members.

**Total 2,338**

On 20th October, 1989,  
there were 3,066 Greenkeeping Members  
and 318 other members.

**Total 3,384**

*... AND THERE HAS BEEN CONSIDERABLE  
GROWTH SINCE ... SO MUCH SO IN FACT  
THAT 1990 FIGURES ARE STILL BEING  
COMPILED*

Take advantage of the rapidly increasing number of  
customers Greenkeeping Management can provide for  
your company... NOW!

Find out how we can help your business do more  
business

**RING 091 496 0003 and ask for Bill Lynch or  
FAX him on 091 496 0004**

*Please find further Recruitment ad on page 11.*



## Verulam Golf Club

'Home of the Ryder Cup'  
require a



### Deputy Head Greenkeeper

Applicants should be City and Guilds qualified or the equivalent, have a sound knowledge of modern greenkeeping methods including maintenance of machinery, with proven man-management abilities.

**SALARY NEGOTIABLE**

*Applications in writing with full C.V. to:*

**Verulam Golf Club**  
226 LONDON ROAD, ST. ALBANS,  
HERTFORDSHIRE AL1 1JG

### ASSISTANT GREENKEEPER

*Required*

With suitable qualifications and experience (minimum 3 years) in all aspects of course and machinery management.

**To start April 1st 1990**

*Applications in writing to:*

G. Lloyd, Golf Course Management  
(Richmond) Ltd., Roehampton Gate,  
Priory Lane, Richmond Park,  
Richmond SW15 5JR

## FRANCE

### GREENKEEPERS WANTED

French company providing a service for newly constructed courses in France seeks highly motivated candidates for Head Greenkeepers.

Candidates must be experienced in all aspects of course maintenance, management of machinery, budgets and personnel

*Packages negotiable*

**Tel. Paris (010331) 45 90  
42 33**

*or write to*

**Madame Glen, 37 Rue de  
Noiseau, 94370, Sucy en  
Brie, France**

## HEAD GREENKEEPER

Required for a 9 hole course which is to be totally reconstructed near Frankfurt in West Germany at the Golf Club Darmstadt Traisa.

Excellent opportunity to be in at the beginning and to influence course construction.

The ideal applicant will be 30-45 years of age, experienced in all aspects of greenkeeping and modern machinery.

Salary negotiable according to qualifications and experience.

*Applications with c.v. to:*

**GOLF-CLUB DARMSTADT  
TRAISA EV,  
SEKRETARIAT, DIPPELSHOF,  
D-6109 MÜHLTAL-TRAISA  
WEST GERMANY**



FULFORD (YORK) GOLF CLUB LTD

require a

## HEAD GREENKEEPER

for this prestigious course which has been a regular European Tour venue since 1971

The successful applicant will be fully experienced in all aspects of greenkeeping and course management,

- have detailed knowledge of modern machinery
- be fully conversant with automatic watering systems
- have proven ability to supervise and motivate staff.

**SALARY NEGOTIABLE,  
NO ACCOMMODATION AVAILABLE**

*Written applications with full C.V. together with the name and address of two referees to:*

**Secretary/Manager  
Fulford (York) Golf Club Limited  
Heslington Lane  
York YO1 5DY**





THE OFFICIAL PUBLICATION OF THE  
BRITISH AND INTERNATIONAL  
GOLF GREENKEEPERS ASSOCIATION

## 1990 BIGGA GREENKEEPER MEMBERSHIP PACKAGE

BIGGA offer a comprehensive membership package for greenkeeper members. The full range of services and benefits is in line with a progressive professional Association. Full details are available from Headquarters Office on request, but the package includes:-

- (i) Monthly copies of Greenkeeping Management — the Association's official publication.
- (ii) The annual Journal and quarterly Bulletins of the Sports Turf Research Institute.
- (iii) Full Legal Advisory Service, including personalised card.
- (iv) Full Employment Cover.
- (v) Full Personal Injury Cover.  
Pursuit of civil claims by the Insured for damages, specific performance or injunction arising from or out of
  - (a) A contract of employment.
  - (b) Death or personal injury of the Insured from any cause.
- (vi) Beneficial Insurance Options in respect of Car, Home — Building and Contents, and Vehicle Breakdown.
- (vii) BIGGA Enamelled Lapel Badge.
- (viii) BIGGA Membership Card.
- (ix) Use of Placement Referral Scheme.
- (x) BIGGA car badge sticker and golf bag tag.
- (xi) Personal Accident Cover, providing capital sums for: Death (£5,000), loss of use of one or more limbs and eyes (£5,000), permanent total disablement lasting 104 weeks at the end of which being beyond hope of improvement (£5,000).

However, a most attractive feature of the negotiated scheme will enable members suffering temporary total disablement in excess of seven days to receive a weekly income of £25 for a maximum of 104 weeks.

Also, it will be possible for members to purchase additional units at their own cost within the scheme and a pamphlet incorporating an application form will be made available upon payment of subscription.

**INTERNATIONAL MEMBERS** — All items in the package are available to members both in the Republic of Ireland and internationally with limitations on items (iii), (iv) and (v). The personalised card can be used for seeking legal advice, but this advice will relate to either English or Scottish Law. The card can be used when the member is visiting Great Britain, both for advice and in respect of any claims arising during or from such visits.



## BIGGA 1990 GREENKEEPER MEMBERSHIP APPLICATION FORM

(not to be completed by 1989 members)

(PLEASE COMPLETE FULLY IN BLOCK CAPITAL LETTERS)

FULL NAME ..... NAME OF EMPLOYER.....  
HOME ADDRESS ..... ADDRESS.....  
.....  
COUNTY ..... POSTCODE..... COUNTY ..... POSTCODE.....  
TELEPHONE ..... TELEPHONE.....  
DATE OF BIRTH..... POSITION HELD.....  
PERSONAL QUALIFICATIONS..... DATE OF APPOINTMENT.....

I HEREBY APPLY FOR MEMBERSHIP OF THE BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION AND AGREE TO ABIDE BY THE CONSTITUTION AND RULES OF THE ASSOCIATION

SIGNED ..... DATED.....

SUBSCRIPTIONS ARE NOT TO BE SENT WITH THIS FORM BUT WILL BE INVOICED SEPARATELY.

### FEES PAYABLE WILL BE:

Deputy Course Manager/Deputy Head Greenkeeper.....£33.00  
20 Years of Age or Under.....£20.00

Course Manager/Head Greenkeeper.....£36.00  
First Assistant/Assistant Greenkeeper\*.....£31.00  
International Members - All Greenkeeping Staff.....£48.00

\*The First Assistant is a post designed to recognise a third-in-charge where appropriate to the size of the Club. In cases where the First Assistant is the recognised Deputy, the Deputy Course Manager/Deputy Head Greenkeeper subscription rate should apply.

REF. - G.M. 2/90



## BIGGA 1990 ASSOCIATE/COMPANY MEMBERSHIP APPLICATION FORM

(not to be completed by 1989 members)

PLEASE COMPLETE FULLY IN BLOCK CAPITAL LETTERS:

FULL NAME ..... NAME OF COMPANY (where applicable):.....  
HOME ADDRESS .....  
.....  
PREFERRED MAILING ADDRESS.....  
.....  
COUNTY ..... COUNTY.....  
POSTCODE ..... POSTCODE.....  
TELEPHONE ..... TELEPHONE.....  
POSITION.....

### CATEGORIES OF MEMBERSHIP:

ASSOCIATE/COMPANY £50.00 (includes 1 year's subscriptions to 'Greenkeeping Management')

CORPORATE (10 or more) £500 maximum. Add £20 for each additional member requiring a magazine.

I HEREBY APPLY FOR MEMBERSHIP OF THE BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION AND AGREE TO ABIDE BY THE CONSTITUTION AND RULES OF THE ASSOCIATION.

I wish to join as a ..... member and enclose my cheque as indicated above in the sum of £ ..... made payable to BIGGA. A receipt will not be issued unless specifically requested.

SIGNED ..... DATED.....

PLEASE NOTE THAT ASSOCIATE/COMPANY MEMBERSHIP IS ON AN INDIVIDUAL BASIS

REF. - G.M. 2/90

## READER REPLY PRE-PAID CARD JANUARY 1990

Please check the appropriate box for each category

### 1. How did you receive this issue of GM?

- 1. ☐ It is part of my BIGGA membership benefits.
- 2. ☐ I am a subscriber.
- 3. ☐ This issue was given to me by a member or subscriber.
- 4. ☐ This issue was sent to me by post.

### 2. Type of facility

- A. ☐ Private golf course
- B. ☐ Municipal golf course
- C. ☐ Hotel/Resort golf course
- D. ☐ Park
- E. ☐ Sod Farm, Nursery
- F. ☐ Manufacturing
- G. ☐ Business
- H. ☐ Other

### 3. If at a golf course, number of golf holes

- 1. ☐ 9 hole
- 2. ☐ 18 hole
- 3. ☐ 27 hole
- 4. ☐ 36 hole
- 5. ☐ Other

### 4. Job title

- A. ☐ Head Greenkeeper/ Course Manager
- B. ☐ Club Official
- C. ☐ Owner
- D. ☐ Manager
- E. ☐ Architect
- F. ☐ Builder
- G. ☐ Turf Specialist/Technician
- H. ☐ Golf-Related Personnel
- I. ☐ Dealer/Distributor
- J. ☐ Other — Specify

### 5. Purchasing Authority

- 1. ☐ Recommend
- 2. ☐ Specify
- 3. ☐ Approve
- 4. ☐ Not involved

### 6. Reason for inquiry

- A. ☐ Immediate purchase
- B. ☐ Future Project

☐ Please tick box if you want to advertise in the Buyers Guide. Simply fill in the form on this pre-paid card.

★ ★ ★

Place below the advert Flag Number — to receive more information about the products and services advertised in this issue.

Please complete all the above questions

Mr. ☐ Ms. ☐

FIRST NAME										SURNAME									
TITLE																			
COMPANY OR COURSE																			
ADDRESS																			
CITY										POSTCODE									
WORK PHONE																			

Signature ..... Date .....

REF. - G.M. 2/90



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2

GREENKEEPING MANAGEMENT  
SPENCER HOUSE  
MARKET LANE  
SWALWELL  
NEWCASTLE UPON TYNE  
NE16 3DS

GREENKEEPING  
MANAGEMENT

Don't be **GREEN** take this opportunity  
now for **KEEPING** a tight grip on your company's profits  
Show your **MANAGEMENT** skills by buying this space.  
Tel: Bill Lynch on 091 496 0003.

BUSINESS REPLY SERVICE  
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GREENKEEPING MANAGEMENT  
SPENCER HOUSE  
MARKET LANE  
SWALWELL  
NEWCASTLE UPON TYNE  
NE16 3DS

BUSINESS REPLY SERVICE  
Licence No. NT 1638

2

GREENKEEPING MANAGEMENT  
SPENCER HOUSE  
MARKET LANE  
SWALWELL  
NEWCASTLE UPON TYNE  
NE16 3DS

GREENKEEPING  
MANAGEMENT





## Cleveland Golf Club

require a

### 1ST ASSISTANT GREENKEEPER

Applications are invited from  
suitably qualified persons.

Salary in excess of £8,000

No accommodation is offered

*Apply in writing to the Secretary  
enclosing c.v's.*

**CLEVELAND GOLF CLUB**  
Queen's Street, Redcar,  
Cleveland, TS10 1BT

## Rothley Park Golf Club require a

### HEAD GREENKEEPER

Post available from March 1990

The course is parkland covering 130  
acres. Candidates will:

- Have a thorough knowledge of and qualifications in current greenkeeping methods.
- Possess a sound understanding of modern machinery
- Be able to motivate and manage existing staff.

The successful applicant will be expected to produce the golf course in optimum condition throughout the year.

Remuneration is by negotiation, but is unlikely to be less than £15,000 p.a.

No accommodation is available, but assistance will be given in relocation expenses.

*Applications together with full c.v. to:  
The Secretary, Rothley Park Golf Club,  
Wesfield Lane, Rothley, Leicestershire.*

## Alloa Golf Club (Schawpark)

### HEAD GREENKEEPER

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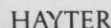
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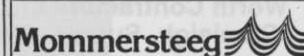


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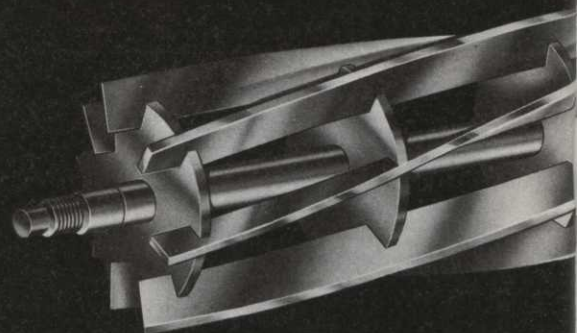
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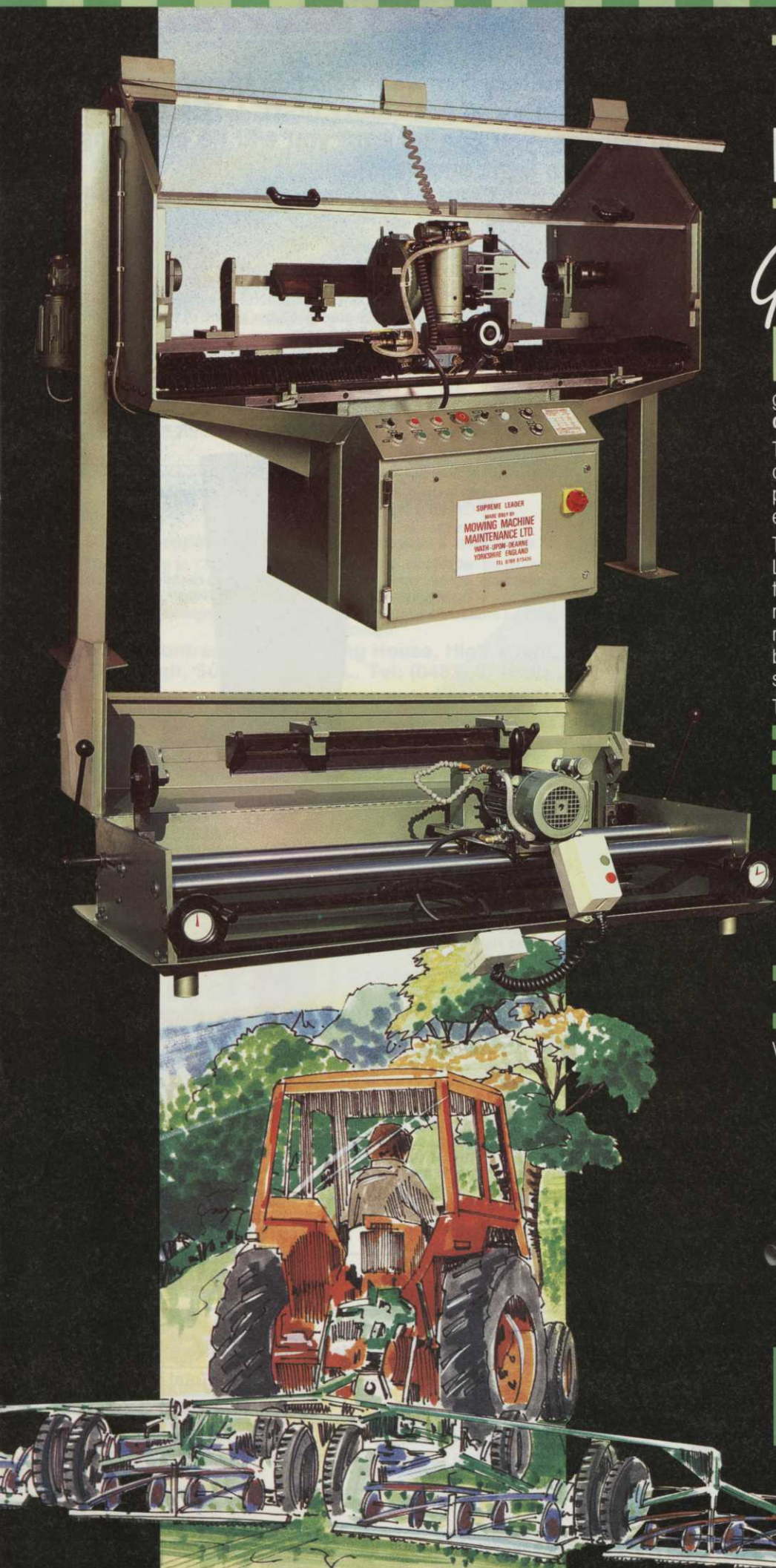
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# THE WAY FORWARD

Fred Hawtree comments on the discussion document from the R & A's Greenkeeping Panel

THE Panel was formed in 1986 to advise the R. & A. External Funds Committee. It has done an excellent job, securing generous aid for BIGGA and greenkeeping research at the STRI. Now it is advising other golfing bodies, first analysing their shortcomings, then showing how they can do better. One by one, the R. & A. National and county unions, STRI, golf clubs, greenkeeping, designers, professionals, trade and the media are reproached for the condition of Britain's golf courses.

The introduction stipulates two main aims - identifying influences on golf course management and suggesting ways to improve them; "the problems facing our courses today are more serious than at any stage in the game's history . . . Increased play, faulty construction, unsound agronomic management (too much water and fertiliser; too little aeration), everchanging Committees, insufficient budgets . . .". The Panel wants a plan and thinks it should come from the R. & A.

In the carnage which follows, the championship courses are mown down first: "unacceptable levels of *Poa annua* in their greens . . . a mixture of historically unsound greenkeeping (too much fertiliser/water, too little aeration), . . . etc., etc." Perhaps even by returning to these venues, the R. & A. is tacitly condoning - and publicising - *Poa annua* as an acceptable golfing grass." This seems harsh when there are a few other considerations like location, date, hotels, access, parking space, exhibition area, crowd movement, and tradition. But the argument continues: "in golfing terms a test of golf is produced which is less thorough than it should be, and certainly nothing like a genuine Links Test."

*Poa annua* also "contributes to a lessening of golfing skills which in turn reduces the possibility of more successes in international matches." Again, this is an unkind thrust when the Walker Cup (1989, in the USA!), the Ryder Cup (1987 and 1989), the Eisenhower Trophy (1988), the Masters (1989), the World Matchplay Championship (1987/88/89), the Curtis Cup (1986-1988), and the Vagliano Cup (1989) all suggest another view. Surely, David Leadbetter need not include hollow-line fork practice in future clinics?

Make no mistake about it, there is a lot of good stuff to be found if you can penetrate the heavy disguise of inverted commas, capital letters and trendy, business-seminar vocabulary.

The title on the cover comes complete with quotation marks. These suggest that it has either been said before (which need



Fred Hawtree

not surprise us) or is a joke (which is doubtful). Fortunately they are dropped in the text, but there is a denser forest of capital letters, not always consistent. One reads.

Choose Courses, types of Courses, financing of the Course, golf Course, a good Course, and British Golf Courses. 'Course Management' is doubly upgraded though 'greenkeeping' is not. (The two terms are not defined or contrasted but 'Course Management' seems to have higher authorities in charge while 'greenkeeping' is the job. On the other hand, the authors are described as the 'Greenkeeping Panel' although there appears to be only one member who has ever turned a hole-cutter in earnest). Likewise, every golf club is a 'Golf Club' or a 'Club', used, of course, by Club golfers'. If the Prince of Wales is unhappy with recent editions of the Bible, he would despair over this one. 'Problems' and 'areas' abound, backed up by 'disparate'; 'viable'; 'realistically viable'; 'parameters'; 'profile'; 'scenario'; 'meaningful contribution'; and, of course, 'the bottom line'. This terminology tends to make an honest message appear pretentious and leads to indigestion.

## Panel-talk

'The area of the Rules'  
'Add to the overall picture'  
'On an annual basis'  
'On a nationwide basis'  
'An improved funding situation'  
'Alistair Mackenzie'

## Green-speak

The Rules  
Play a part  
Yearly  
Nationally  
More money  
Alister MacKenzie

The reader is advised to ignore these superficialities and remember the noble, pithy, punchy aspiration on the last page, "Year-round courses with firm, fast, true

greens and firm, mud-free fairways". Hear! Hear!

The way to this goal is seen as:-

1. Defining standards
2. Money
3. Education.

One can foresee difficulties over standards. The SSS scheme used to define five groups of golf courses, according to the run of the ball after a drive of stipulated length. CONGU gave that up and nobody was bothered. But there are other approaches.

Funding must surely be easier now than it was in the early days when loud protest met the English Golf Union's "bob-a-nob" scheme. If the Panel pushes greenkeeping well into the forefront of the supplicants, that will be another feather in its cap.

Education is proposed on all fronts. After reorganising committee structure with the Green Committee consisting of Chairman, Greenkeeper and Secretary, the members must be enlightened. In Sweden, no Green Chairman can be elected until he has been on a week's course. Then he can organise education of the rest. "A complete standard *armamentarium* of audio-visual presentation needs to be developed" (Now we can see why the Lady Members are excluded. The word 'armamentarium' has so far escaped me but I have heard about those Swedish videos).

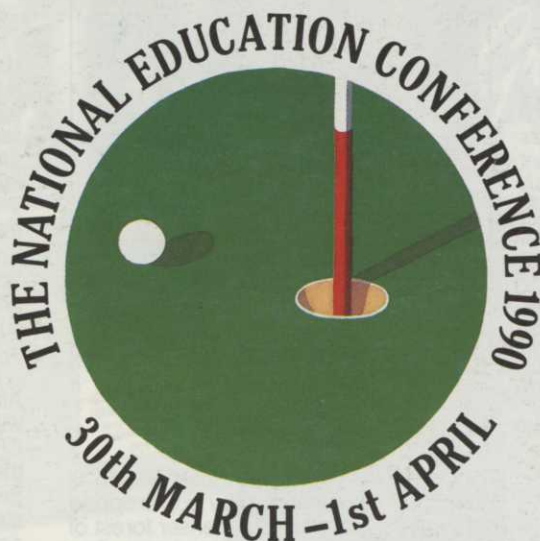
Greenkeepers have already started the educational process; the Greenkeeper Training Committee must help; professionals and media need advice; architects must learn to "take direction". Or else?

There are other hints of the iron hand. We should therefore be clear that we need another tier of authority above the golf clubs, STRI and BIGGA. These will be able to provide golf courses with their firm, fast, true conditions once the research, money and education are backing them. Indeed the Panel does envisage its own demise once its job is done.

It wisely points out meanwhile, the need to respect the environmental aspects of building and maintaining courses. "Courses will be less green and soft whether golfers like it or not . . . the influence of the Augusta dream could easily lead golf courses into conflict with the community." Well said!

Can we throw in any suggestions? The Panel wants a training manual/text-book. The Course Notes issued to those attending the STRI instructional courses would provide an excellent basis (I still have mine from 1939 but one got far less in those days.) The Panel is also worried about the quality of new golf courses. The STRI, the British Associations of Golf Course Architects and of Golf Course Contractors could sit down and thresh out a standard specification up to the point where local factors take charge. Even some special cases might be included as options. Any other ideas? The Panel has purged the Politouro. Now it's up to us to help rewrite the Constitution.





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