R & A renew support for BIGGA
Lindum Turf sponsor Yearbook
BIGGA members join at 8 per day!

Utility Vehicles
Winners
Spraying Equipment
Bunker Sand
Slow Release Fertilizers
Wetting Agents

Europe's most widely circulated Greenkeeping Magazine
Introducing the all-new Jacobsen LF-100, the 5-gang designed to increase your lightweight mowing productivity.

The wing mowers are up front for better visibility. So the operator can hold a closer line—even at mowing speeds over 5 mph—to take full advantage of the 100" cutting width. This unique, up-front configuration also gives better access to all mowing units to quickly empty catchers and make mower adjustments easy.

Heavy-duty reels deliver a greens-like cut. New heavy-duty reel construction provides extra strength for long life in demanding fairway conditions. The fully floating, 22-inch steerable 7-blade reels are heavier, to follow ground contours closely, for that smooth, consistent Jacobsen cut that's the envy of the industry.

True lightweight mowing. Newly designed low-profile turf tires produce the lightest ground pressure, and the rear wheels roll on a different track than the front, so your tender turf thrives with less compaction. And the wide 4-wheel stance offers excellent traction, increased stability and a tight turning radius.

Built to last. The LF-100 has a proven, rugged chassis, a durable and simple hydraulic system and liquid-cooled diesel engine for a longer, trouble-free life on your fairways.

What's more, the entire machine is backed by your Jacobsen distributor, so you're never far from dependable parts and service support.

See all the LF-100 differences. Ask your Jacobsen distributor for a free demonstration. Attractive lease and finance plans available. Or contact: North Lynn Industrial Estate Bergen Way, King's Lynn, Norfolk PE30 2JG (0553) 763333.
The efficient way to keep grass under control

GROUNDKEEPER HI TIP MODELS
Low level cutting — high level discharge

The Groundkeeper Hi Tip models (1.20, 1.35 and 1.50 metres) enable the disposal of cuttings to lorries and trailers. Hydraulic tipping operation from the tractor seat for safe, effortless working.

Ask for details and a demonstration

From the company where technical advance is a matter of course

Hook on flails are easily attached for completely safe use. No tools are required. Also, scarifying blades can be fitted individually or in combination with the flails.

Amazone Groundkeeper flail mowers (1.20, 1.35, 1.50 and 1.80 metre working widths) will cope with grass of any height and leave a remarkable ‘lawn’ finish. Generous easy-to-empty collection hopper, quick change reversible flails (no tools), easy height adjustment, safety slip clutch protected drive train. Tough machines for the toughest situations.
THE 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>9 Holes</th>
<th>18 Holes</th>
<th>27 Holes</th>
<th>36 Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Manager/Head Greenkeeper</td>
<td>£11,762 pa</td>
<td>£14,879 pa</td>
<td>£16,214 pa</td>
<td>£18,144 pa</td>
</tr>
<tr>
<td>Deputy Course Manager/Deputy Head Greenkeeper</td>
<td>£9,244 pa</td>
<td>£10,711 pa</td>
<td>£11,672 pa</td>
<td>£13,060 pa</td>
</tr>
<tr>
<td>First Assistant</td>
<td>£177.74 pw</td>
<td>£177.74 pw</td>
<td>£177.74 pw</td>
<td>£177.74 pw</td>
</tr>
<tr>
<td>Apprentice Greenkeeper</td>
<td>£166.72 pw</td>
<td>£166.72 pw</td>
<td>£166.72 pw</td>
<td>£166.72 pw</td>
</tr>
</tbody>
</table>

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.
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.
FOLLOWING 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 National 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 College (the nearest entrance to Windsor 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 welcoming you to the conference feeling sure that you will gain substantially from the experience.

**THE SS100... FIRST ON THE GREEN**

IT GRADES...IT SHREDS...IT BLENDS...

Now, from GRADEALL comes a new concept in greenkeeping. A unique combination of blending, shredding and grading in a single unit that gives you:

- MAXIMUM MOBILITY
- HIGH PERFORMANCE RELIABILITY
- MAXIMUM TONNAGE OF QUALITY TOP DRESSING
- MINIMUM EFFORT

The SS100 performs aggressively on even the poorest quality damp soil with stones, shrubs and sods producing high quality loose and manageable soil. In fact, the SS100 has turned tough, lumpy organic humus into pure, workable compost.

From cricket tables, to bowling greens, to golf greens and fairways...indeed any turf area...you'll benefit from the SS100's unique capabilities.

**CALL US**

If you want to make the GRADE!

**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**

**EDUCATION CONFERENCE**

**30TH MARCH - 1ST APRIL 1990**

**ORGANISED IN CONJUNCTION WITH THE INTERNATIONAL GOLFERS CLUB**

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From cricket tables, to bowling greens, to golf greens and fairways...indeed any turf area...you'll benefit from the SS100's unique capabilities.

**CALL US**

If you want to make the GRADE!
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:

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, Y06 2NF. Telephone: 03473 581/2. Fax: 03473 8864.

BRITISH INDIAN TURFGRASS ACTIVITY

Aikens for FERTILISERS, GRASS SEED, HERBICIDES AND FUNGICIDES

Golf Course Equipment

NOW SERVING THE NORTH EAST OF ENGLAND

With new premises at:

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Unit 3a, Mill Lane, Tadcaster, North Yorkshire LS24 8EU
Telephone 0937 834 746

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WHICHEVER WAY YOU LOOK AT IT...
...THE EXPRESS DUAL
A CUT ABOVE THE REST

With over 100 years experience we combine all the traditional skills of cylinder grinding with the advanced technology of the Express Dual.

A precise and beautifully made grinder that particularly complements the TORO range to provide the practical solution for keeping those cylinders sharp and the greens as you want them — innovation, a commitment to excellence and at an economic cost — the Express Dual — a real cut above the rest.

As well as our market leader, we also manufacture a complete range of bottom blade grinders including The Anglemaster which is ideally suited to work alongside The Express Dual — send for our brochure for all the facts.

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Tel: 0440 702312 Fax: 0440 712138

AEBI TERRATRACS
THE ULTIMATE GROUND CARE MACHINE

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

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

For further details please contact your nearest dealer or

Inter-Drain (England) Ltd
Holland Hill, Low Road, North Wheatley, Retford, Notts DN22 9DS
Tel. (0427) 880000. Fax. 0427 881024
AEBI TERRATRACS

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

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 wheelbase, 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 application 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 gear 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

New to the comprehensive range of Agra grass mowers is the Agra 9000. A triple cylinder ride-on mower with an overall working width of 6ft (1.95m). Environmentally friendly, the mower with an overall working width of 9000 will give reliable performance and superior mowing.

The brushes are 22" in diameter and the unit is constructed to the Company's usual high standard of specification.

The new Agra 9000 triple cylinder ride on mower can 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 Agra 9000 is a truly versatile machine.

Operator safety has always been a primary concern at Agra, 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.

SUPER SWEEP FROM AGAR

A GAR say their new all-purpose sweeper, which they have named "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 35° 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.
R & A RENEW SUPPORT

In 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 and 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. The R & A is very aware of the need for managing golf courses in a way that is both environmentally sensitive and of high golfing standards. It is just over four years since the R & A agreed to give financial assistance to the formation of a reorganised Green Keepers 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 Goulding 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 Management Exhibition was originally sponsored by BIGGA but from now on it is to be organised and managed by the Association. This year's event, the accompanying seminars and the accompanying exhibition 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 work - and it is thus even more important that designers and constructors take the greatest possible care that their work is environmentally sensitive. This is of particular interest to those courses which do have sites of special scientific interest and of utmost importance is the conservation of wildlife.

"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.

H & R Fell and Sons Ltd of Barton-on-Humber, South Humberside, known as Lin-dum Turf, confirmed at ETME 2, their intention to provide substantial financial sponsorship for the Association's new Greenkeeping Yearbook. To be launched this year, and 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.

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 and the opportunity to support a progressive association such as BIGGA.

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In these times when so many species of plants and animals are endangered by so called...
Appointed 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 £5,500 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.

Judged 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 ladels 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
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 new golf greenkeeping course - City and Guilds, Phase 1, Greenkeeping and Sportsturf Management has started at the Welsh College of Horticulture, Northop, 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

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

ELMWOOD 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 or distance learning, by which they can study at home and only go to the college for top-up instruction and assessment."

CAN YOU HELP?

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 the these placements please write direct to David at the following address: Mr D. Blonski, LEPA Horticole de Dunkerque, 1972 Rue de Lefrincoucke BP34, 59948 Dunkerque, Cedex 2.
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 Convener, 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 Philip, 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

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Telephone 03473 581/2
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... 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 . . .

For 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 done 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 golfer will begin to realize from this outline of the 'niceties' of winter golf some of the pleasures that can be gained from play in these conditions, and secondly the congratulations from your fellow golfers on your concern for the course. 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 tee 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 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'!
GREENKEEPERS - Have you booked your place on the Watermation IRRIGATION MAINTENANCE TRAINING DAY?

Four locations around the Country during March and April - space limited

For further information and booking form - telephone us NOW WATERMATION (Maintenance) Ltd. (0483) 770303
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 hard-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.

Iain Dobson, Course Manager, Barbaroux Golf Club, France.
AFTER reading the December issue of Greenkeeping Management, the article on Chris Kennedy (page 43) in this issue 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 English 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 greenkeeping 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,

BEING 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, fertilizer 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

TO 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 to 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."
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:
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YO6 2NF. Tel. 03473 581/2. Fax. 03473 8864
IN THE PICTURE

LINDUM "ON COURSE FOR THE 1990's"

LINDUM Seeded Turf announces 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 occurring 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, "fusarium", 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 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.

PICTURED 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

INTRODUCED last year as a major breakthrough 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 Service 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 Y07 1LH.

HUXLEYS TO RATIONALISE FOLLOWING CUSHMAN TAKE-OVER

FROM 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.
ANOTHER FIRST FOR CHARTERHOUSE

THERE are three keen new golfers in England - thanks to Charterhouse Turf Machinery.

Charterhouse held a prize draw at this year's Institute of Groundsmen's 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 prize of a set of golf clubs was 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 groundsman 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 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.

RICHARD AITKENS NOW SERVING THE NORTH EAST

ITKEN'S Superturf Ltd have re-launched 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.

THE DANARM ROTARY MOWER RANGE

THE 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.

RICHARD AITKENS NOW SERVING THE NORTH EAST

ALLETT ROTARY MOWERS

ALLETT 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 lawns. 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.

GEE fits 15" with roller to suit

THE DANARM ROTARY MOWER RANGE

THE 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.

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**ROYAL VISITOR DROPS IN**

THE 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."

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**YORKSHIRE MOWERS’ LEEDS BRANCH FULLY OPEN FOR BUSINESS**

November 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-scene" 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.

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**IN THE PICTURE**

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.

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**MONRO HORTICULTURE STRUCTURE COMMERCIAL ORGANISATION FOR THE 1990’s**

With 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 Wilcomb, 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.

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**GREENKEEPING MANAGEMENT**

February ’90

19
COOPER 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 hosereel 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**

THE 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’ 120lt tank unit is secured in seconds on its unique cushion base by two large hand clamps.

The specially moulded tank incorporates a sump and baffles 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 9lt 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.

**AMENITY SPRAYERS**

THERE’S a sector of the spraying market which falls firmly between the tractor mounted, more agriculturally based models and those which are manually operated. 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.

**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
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.

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.

**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 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, Warwick
CV10 7QT
Telephone: (0203) 372054
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.

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, fine 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 recommended 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.

THE NEW NAME IN TOG CLASS TURF PRODUCTION

A FULL RANGE OF TURF FROM GENERAL LANDSCAPING TO GOLF GREENS ETC.

Greenkeeping

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Leighton Buzzard, Beds.
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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.

Cuckmere Valley Turf Farms

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

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.

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You'll find a comprehensive range of high quality sands into the foundry and construction industries and are, therefore, accustomed to producing sands to tight specifications.

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.

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Bunker sands are always available for immediate delivery on a 24 hour basis.
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
The well known creamy white
sand in free running granular
form from The Moneystone
Quarry. An ideal lime free sand
that is stain free, it gives ex-
cellent drainage and prevents
water retention in bunkers.

GRATED SILICA SAND
A product that gives the
following advantages:
1. A granular sand which is
lime free and graded to give a
smoother putting surface.
2. A firmer drier surface.
3. Increased infiltration rate.
4. No compaction.
5. Reduction of thatch and
prevention of further
development.
6. Prevention of surface pud-
dling on heavy soils.
7. Provision of cover for over-
seeding.
8. Stability where soil structure
has been destroyed.
Typical application rate should
be one cu. mt. every 5 to 600
square metres of green.

We also supply
FINE TURF DRESSINGS
A mixture of granulated sedge
peat and T.M.R. granular silica
sand fertilisers can be added to
the mix to suit your individual
requirements. This mixture is
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root growth.
Turf Dressings are delivered in
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A mixture of fine sterilised
pasture loam and Lime free
granular sand, this is ideal
media to be used in conjunc-
tion with hollow tining,
assisting in reducing soil comp-
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aeration and drainage.

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- turf care on golf courses, bowling
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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. Greenekeeping Management is delighted to publish this interview and wishes Perry every best wish in his retirement.

EDUCATED at Wel-lington 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 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 the 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.

"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 send some 700 field ploughs 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 Hindo 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 press releases. I was, however, very fortunate in having an understanding and helpful staff. In addition Bob Garnham, the Farm machinery Sales Manager, and Guy Cattchpole, 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 lift 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, mentioned 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"

"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. With more on view than ever before, it's bound to be a year to remember and an exhibition never to forget.

The largest exhibition of its kind in the world.
The I.O.G. World Trade Exhibition has gone from strength to strength, from success to success and Peterborough will be yet another milestone in what's become the greatest exhibition of its kind, anywhere in the world.

A truly international event.
More than 24 countries will be represented and overseas trade visitors will be expected to exceed the 1500 mark. No other similar exhibition can be matched for the quality and variety of its visiting public.

A new and exciting venue.
The East of England Showground boasts the finest facilities available for this type of event, for instance there will be 20,000 square metres of working demonstrations on show. 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.

The Exhibition Organiser,
The Institute of Groundsmanship, 19-23 Church Street, The Agora, Wolverton, Milton Keynes, Buckinghamshire MK12 5LG
Telephone: Milton Keynes (0908) 311856
Fax. No. (0908) 311140.
(Office hours: 9.30am-4.30p.m. Monday to Friday).
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Results from STRI trials 1987-89 show consistent good colour and growth through the season from one application. Of course you'd like to know the reason why. Find out, immediately by returning the coupon. You can have detailed trial results to determine your turf needs. It's a service that costs you nothing but offers a great deal.

Optimum results with Osmocote N.

100% controlled release nitrogen assures even growth through the whole season. No flush of growth in spring, unaffected by rainfall or irrigation. One application can be safely made at any time of year. No leaching of nitrates means an environmentally friendly product.

For prompt information.

Post the coupon today and we'll send you the information by return.

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Sierra supplies high quality controlled release fertilizers for:

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- Potplants
- Sports turf
- Strawberries
- Vegetable plants
- Watercress

Please return this coupon in a sealed envelope to Sierra UK Ltd., Freepost, Nottingham. NG2 1BR.
SLOW RELEASE FERTILISERS

CRF COSTS PER SQ YD COMPARABLE WITH CONVENTIONAL FERTILISER

Controlled 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 erf 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.

NEW SOLUTIONS FOR GROWING PROBLEMS

The 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 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 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 to 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.

continued on page 30
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.

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 .05 per cent.
Magnesium .43 per cent.
Manganese .027 per cent.
Sodium .66 per cent.
(k) Potassium 3.2 per cent.

Heavy metal contents are very low.

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

ICl LONGLIFE FERTILIZER

WHEN ICI Professional Products as one of the world's 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 grounds men 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 provide 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, states 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
'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

February '90
To 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 McConnel 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.
“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, groundsman 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.”

---

**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
  5.5.15 + 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/dicamba

---

**THE NITRIFICATION PROCESS**

**Plant uptake**

Ammonium Nitrogen (NH₄⁺)

**↑**

Nitrosomonas Bacteria

**→**

Nitrite Nitrogen (NO₂⁻)

**↑**

Nictrobacter Bacteria

**→**

Nitrate Nitrogen (NO₃⁻)

**↓**

Easily leached

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

The preparation and worry for Olve 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, 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. Stil 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 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 telling agent, carry on and it's all done. Fit new blade and check the other mowers etc ready for the evening. In the morning take starts.

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.

Day Three - Saturday

Start the evening cut earlier today 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 turn's my turn to take the mickey.

Smaller field today so we start the evening cut earlier and all finished by 7.30 am. My wife says, "What am 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 take some things at last, to see the winner Andrew Murray come home.

It was good to be one of the team, some moans, very tiring but it's our day, the Walton Greenkeepers Championship.

Monday

The steward, Mr Whalley, and the Secretary and the Championship were held at Whiteleaf Golf Club, Bucks, on Thursday December 7, 1989. The event was a nine hole Stableford and tee'd off at middy.

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. Summeral (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.

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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 Olve 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 lad 25 years at least and a beating. Net 73 off 19 handicap, my day and I won't let anyone take it.

Wednesday

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

TAH JAMES BOND

BERKS, BUCKS AND OXON SECTION

The Berks Bucks and Oxon Sections Christmas "Bring and Win" competition was held at Whiteleaf Golf Club, Bucks, on Thursday December 7, 1989. The event was a nine hole Stableford and tee'd off at middy.

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TAH JAMES BOND

AYRSHIRE SECTION

The 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.


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

The 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 "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 was most 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, J. James.

Good to see lan 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 whips-up support, at the time of writing there are still one or two places left. Other events are Keith Boyce speaking on cricket, group arranged for, Thursday, February 22 at Moor Allerton Golf Club.

BOB Lupton
DEVON AND CORNWALL SECTION

Our 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 appetites 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 Brown's.

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 stripogrom 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 staff for the excellent condition of our greenkeepers and their guests, also for the Christmas spread. It was very nice to have join us once again at Sth Beds enjoyed their day. The Match Secretary is to run a new competition this year. The format is to be a fourball 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. R. Godfrey, Inter Seeds, Course Management, the venue is Beadlow Manor 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

MID ANGLIA SECTION

The 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. Proudfoot, G. Bruce, J. Masters, R. Saunders, from Berkhamsted/St. Neots and 3rd R. May, D. Kitchener, P. Simmons, S. Mason, from Welwyn Garden City G.C.

I think John Wells must have a full set of decenters 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.

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GEOFF SMITH

SCOTTISH REGION

The Scottish Region congratulates Chris Kennedy on his new appointment at Wentworth. In Chris we have lost one of the hardest working 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 shame we have to lose him.

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We were sorry to hear that Willie Blair the hard working Secretary of the East Section, is to be missed for Scottish Greenkeepers and greenkeepers may use their membership card as before as long as it is not abused.

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Congratulations to Neil Metcalf currently first assistant at Crudgen 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

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Spring Competition - Alnwick 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 Kinnaird Hall College of Agriculture, a seminar was held on the subject of drainage. A good attendance of around 60 greenkeepers, and groundsmen attended travelling from far 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 D. Parlane and Mr Attwood for their excellent programme of speakers throughout the day. Unfortunately we were not many greenkeepers or chairmen greens committees in attendance but it was nice to see Mr O. Snowdon the 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

GREENKEEPING MANAGEMENT

February '90

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GREENKEEPING MANAGEMENT

February '90
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

"M"AD Dogs and Englishmen go out in the noon day sun" or rain as the case may be. In conditions of torrential rain and a soaking wind when you wouldn’t normally see a greenkeeper for miles around there were dozens of us slogging around the links courses all day, helping out in the manner of the late Mr. Magnus for the Veals Christmas Trophy. Experience finally showed through with John Kane the veteran player from nearby Clevendon shooting a superb 76 gross from a 6 handicap. Everyone deserved a prize. The result is as follows:


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 our thanks to Paul Robin for his 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 his forthcoming retirement. Congratulations were extended to the Weston-Super-Mare Golf Club for having us and wished to return in better weather conditions.

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 Hyning 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 last meeting of the magazine were raised, and these will be taken up by your regional representatives.

Copies of the minutes for the 1991 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. Anahem. 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

SOUTHWALES

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 greensstaff for putting on a first class 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 a general meeting.

The meeting was well attended, probably the most that has ever been there for many a year. I would like to thank 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 officers: 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 Peneceol College with the advice of the magazine that 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 Pencoed.

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 Swan 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
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 Sections not very favourably 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

NOT 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 superb Christmas dinner.

KENT SECTION

Conditions for play on the day were just about 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 the winter out of the way.

PHILIP SWAIN

CENTRAL SECTION

THE 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:


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. It members wish to enter these competitions PLEASE return the entry form, along with the entry 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 Haggts 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 fancy 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 future.

KEITH CLEVERLY

"THE Association learnt with great sadness of the passing of Keith Clevery. 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

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 herbaceous 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 bunt and creeping bent and annual meadow-grass. Occasional- ly 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, improv- ed density and smaller leaf size - thinning 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 differ- ence will depend on stiffness, elas- ticity 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 follow- ing 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 scrubbning, 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. in autumn and winter - from the time that growth slows down noticeably, usually in Oc- tober. 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 bunt and bent, 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 ef- fect of continued play is to reduce it even further through wear and abrasion, ex- posing grass crowns to damage, thatch or even the soil. With less 'cushion' or padding the soil beneath is no longer protected and 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 com- promise between what is acceptable for the game at that time of year and weaken- ing of the plant. Topping occasionally as necessary to maintain the desired height is still important, since excess leaf cover encourages disease through creating a moist micro-climate in the leaf canopy. Taken to extremes, too high 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 dif- ferent. There must, however, be a gradual transition between winter and summer height of cut. In our uncertain spring weather, too close cutting too early fre- quently 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 good average is 3/16th in., slightly lower, to say 5/32nd in., in 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. in summer, purely with a view to maintaining pace. This par- ticularly severe regime can be detrimen- tal 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 inva- sion 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.

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.
AVONDALE BARK
For the complete range of quality bark & peat
Avondale Ornamental Bark Mulch
★ Mini Chips ★ Chips ★
Medium ★ in attractive 80 litre bags and bulk.
Avondale Path Grade Bark
The ideal material for permanent or temporary paths around the golf course.
ALSO
Avondale Top Turf Dressing
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AVONDALE GARDEN PRODUCTS (UK) LTD
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A NEW COMBINATION OF
POWER & SAFETY

RECIPIROCATOR

THE ALL-IN-ONE CUTTER

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

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

BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION
TURF CARE TRADE EXHIBITION
2nd MAY 1990
AT
LONG ASHTON GOLF CLUB
BRISTOL
10.00 am to 5 pm

ALLEN POWER EQUIPMENT LTD, THE BROADWAY, DIDCOT, OXON. OX11 8ES. TEL: 0235 813936

Please send Allen Reciprocator details
NAME ___________________________  ADDRESS ___________________________
______________________________  ________________________________
POSTCODE ______________________

☐ Tick if demonstration required.

GREENKEEPING MANAGEMENT
ON COURSE FOR EASTER OPENING

COLLINGTREE 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 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 bedroomed 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.

The Neptune range, developed and produced in Scotland, includes:

NEPTUNE Ground Calcified Seaweed
NEPTUNE Biostimulant
NEPTUNE Root Dip
NEPTUNE Soil Improver
NEPTUNE Special Mix
NEPTUNE Plus
NEPTUNE Clay Crumble
NEPTUNE Green
NEPTUNE Universal Organic Compost
NEPTUNE Sea Spray
NEPTUNE Wetting Agent

These are the ORGANIC SEAWEED soil conditioners and improvers. There is nothing better.

For complete information contact:
NEPTUNE SCOTLAND LIMITED,
OLDHALL WEST INDUSTRIAL ESTATE,
SHEWALTON, IRVINE. TEL: (0294) 311325.

GREENKEEPING MANAGEMENT

February '90
THE LONG HOT SUMMER - DID WETTING AGENTS PERFORM?

Taking 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 productivity or alleviation of dry patch, turfgrass cover and quality and increased water efficiency.

Problems with several of these situations were experienced last summer. Differences have also been observed in the amount of product required to achieve results, the actual cost of using different materials, the residual effects of applications, etc. Several wetting agents perform quite consistently well - some do not seem to work at all. STRI trials have also shown significant differences in the effectiveness of wetting agents for increasing infiltration into turfgrass on golf courses.

Results from the recent "long hot summer" showed that AquaGro used preventatively, i.e. commencing applications in the Spring, 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.

NEW SYSTEM FOR APPLYING AQUA-GRO WETTING AGENT

Supaturf 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 of 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.

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.

FARMURA ENTERS ZORBIT!

Following 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.

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
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.

**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!

**Supaturf**

Supaturf Products Limited
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Tel: (0533) 750256 Fax: (0533) 750973
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.

AMENITY MIXTURES
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Fax: 031 663 0651

IN TOUCH WITH
"THE BEST TURF ON EARTH"
NEW HUXLEYS APPOINTMENT HIGHLIGHTS MAJOR EMPHASIS ON PRODUCT DEVELOPMENT AND PRODUCTION

EDDIE Fox, a member of the Huxleys grass machinery team for 20 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!

CLAYMORE GRASS MACHINERY NEW APPOINTMENT

IAN 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.

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.

ROGER Newman

VETERAN 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.
UNIQUE HERBICIDE LAUNCHED BY SYNCHEMICALS

KNOT 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 knapsack or mounted sprayer two days after seeding a well season's weed control. Once the sward is aerated, moist surface. Left undisturbed, 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 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, parsley-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."

Trevor Holmes, Commercial Sales Manager with new Knot Out.

INCREASED EFFICIENCY WINS TENDER FOR WARWICK SERVICES

JUNIOR GROUNDSMAN & 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.

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The workbench is priced at £399 plus VAT.

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

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

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

GREENKEEPING 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
BIGGA 1990 GREENKEEPER MEMBERSHIP APPLICATION FORM
(not to be completed by 1989 members)

FULL NAME........................................................... NAME OF COMPANY (where applicable):

HOME ADDRESS.................................................. PREFERRED Mailing ADDRESS

COUNTY......................................................... COUNTY..................................................

TELEPHONE........................................................ TELEPHONE............................................

DATE OF BIRTH..................................................... DATE OF APPOINTMENT..................................

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

SIGNATURE.......................................................... DATED..................................................

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

FEES PAYABLE WILL BE:

Deputy Course Manager/Head Greenkeeper £36.00

First Assistant/Assistant Greenkeeper* £31.00

20 Years of Age or Under £20.00

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.

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

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

BIGGA 1990 ASSOCIATE/COMPANY MEMBERSHIP APPLICATION FORM
(not to be completed by 1989 members)

FULL NAME.......................................................... NAME OF COMPANY (where applicable):

HOME ADDRESS.................................................. PREFERRED Mailing ADDRESS

COUNTY......................................................... COUNTY..................................................

TELEPHONE........................................................ TELEPHONE............................................

POSITION HELD.................................................. DATE OF APPOINTMENT..................................

NAME OF COMPANY (where applicable):

PLEASE COMPLETE FULLY IN BLOCK CAPITAL LETTERS.

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

FEES PAYABLE WILL BE:

Deputy Course Manager/Head Greenkeeper £36.00

First Assistant/Assistant Greenkeeper* £31.00

20 Years of Age or Under £20.00

International Members - All Greenkeeping Staff £48.00

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

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

READER REPLY PRE-PAID CARD JANUARY 1990

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   A. Private golf course
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   G. Business
   H. Other

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

   1. 10 holes
   2. 18 hole
   3. 27 hole
   4. 36 hole
   5. Other

4. Job Title

   A. Head Greenkeeper/Course Manager
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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.
Don’t be GREEN now for KEEPING a tight grip on your company’s profits. Show your MANAGEMENT skills by buying this space.

Te: Bill Lynch on 091 496 0003.
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 will full c.v. to:
The Secretary, Rothley Park Golf Club, Wesfield Lane, Rothley, Leicestershire.

Alloa Golf Club

(Schawpark)

HEAD GREENKEEPER

Applications are invited for the above post at one of Central Scotland’s premier courses. Laid out by James Braid in 1936 this undulating, parkland-type course is within easy reach of city centres and the motorway network.

Applicants should be suitably qualified and experienced. Salary conditions will be negotiable.

Applications in writing with full particulars to

Mr A.M. Frame, Honorary Secretary, 19 Stalker Avenue, Tillicoultry, Clackmannshire FL13 6PR

All applications should be lodged by 2nd March 1990

Parkers
Total Turf Care Services

SALES REPRESENTATIVE

FOR KENT AND EAST SUSSEX is required by this long-established Company which covers London and South East England

We are looking for an energetic, enthusiastic and reliable person who will be selling turf care products and machinery to Golf Clubs, Sports Clubs, Local Authorities, etc. Whilst some experience in amenity horticulture would be an advantage it need not be essential as full training will be given. The position may be of interest to someone with a greenkeeping, horticultural or garden-machinery background who is seeking a new challenge in the 1990’s. A good basic salary will be paid plus commission plus car plus other benefits.

SALES OFFICE ASSISTANT

with experience in amenity horticulture and confident telephone manner, is also required in our Head Office at Worcester Park, Surrey.

Applications, in strictest confidence, with C.V. to:
MR J.C. PARKER, MANAGING DIRECTOR,
T. PARKER & SONS (TURF MANAGEMENT) LTD.
WORCESTER PARK, SURREY, KT4 7NF
BOGNOR REGIS GOLF CLUB
Requires an
Assistant Greenkeeper
Applicants must be suitably experienced, qualifications preferable, but college release will be given.
Salary Negotiable, no accommodation available
Please apply in writing with CV to:
THE SECRETARY, BOGNOR REGIS GOLF CLUB, DOWNVIEW ROAD, FELPHAM, BOGNOR REGIS, WEST SUSSEX PO 22 8JD
Telephone 0243 821929

City & Guilds Phase 2
Qualified Greenkeeper
SEEKS POSITION AS
Assistant/1st Assistant
I am 31 years, married with two children, and looking to re-enter the profession of Greenkeeping after an absence of one year. Domestic circumstances, interrupted a career which was heading towards management, and I am very keen to continue as soon as possible.
Willing to move. South of UK preferred.
Full CV and references available
Contact: Mr. N. P. Beckford, Flat 1, Eastleigh, Waterloo Road, Lowestoft, Suffolk, NR33 0AA.
Telephone: (0502) 563892 anytime.

Worthing Golf Club
require a
1ST ASSISTANT GREENKEEPER
For this well known 36 hole course.
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Fred Hawtree comments on the discussion document from the R & A's Greenkeeping Panel

THE WAY FORWARD

Fred Hawtree

The title on the cover comes complete with quotation marks. These suggest that it has either been said before (which need 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 our courses today are more serious 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 supplement, that will be another feather in its cap.

Education is proposed on all fronts. After reorganising committee structure with the Green Committee consisting of Architects, Greenkeepers, Judges, 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 completely standard armamentarium of audio-visual presentation needs to be developed" (Now we can see why the Lady Members are excluded). The word 'armamentarium' has to be rescued me (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 thrash 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 Politburo. Now it's up to us to help rewrite the Constitution.
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The second National Education Conference will be held at Egham in Surrey. For full details and application form, contact The Executive Director, BIGGA, Aldwark Manor, Aldwark, Alne, York YO6 2NF Telephone: 03473 581.

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