Brian Story wins Toro/PGA European Tour Student Greenkeeper of the Year award

Join us! Full details of 1992 BIGGA Membership package

Journal of the British and International Golf Greenkeepers Association
Greensmaster
The Name That Says It All!

... but don't just take our word for it, ask any one of TORO's customers since the early 70's and we have every confidence that they will confirm there's no other turf management machinery to compete with TORO quality and real value for money!

Take a look at the TORO Greensmaster 3000D ... get behind the unique steering arm, adjustable to suit the comfort of all operators. This will be your first step towards unbelievable precision cutting with increased power and durability.

Every course and its greens have their own special characteristics. The TORO Greensmaster 3000D enjoys the challenge and by providing fully floating cutting units, a uniform quality of cut is assured whatever the conditions.

Optional variable speed kit ensures precision cutting by allowing the operator to select a consistent ground speed while maintaining a constant, even clip.

Please send me full details of the TORO GREENSMASTER 3000D

Name...........................................

Club...........................................

Address...........................................

Post Code...........................................

Telephone...........................................

TORO Distributed by LELY (UK) LIMITED
Station Road, St. Neots, Huntingdon, Cambs PE19 1QH. Tel: 0480 76971 Fax: 0480 216167
Eightsome reeling
A whitewash, a snowball, a total annihilation! Our wonderful team of eight win the highly coveted Kubota Challenge matches at The Belfry by a record breaking eight to nil........................................Page 17

A Story to tell
From a shortlist of 13, Silloth on Solway's Brian Story is selected as TORO/PGA European Tour Student Greenkeeper of the Year. As one commentator puts it, however, it was a contest with no losers..................................................Page 15

How green is your golf course?
The STRI's ecologist, Robert Taylor, offers some general ground rules, whilst looking particularly at heathland ecological management..................................................Pages 8-9

All dressed up for the ball
'A little bit of what they fancy does them good,' is the top dressing advice now increasingly followed by greenkeepers in the know. Peter Jafford extols the virtue of top dressing ...............................................................Pages 24-25

For neglected, read useless
A neglected irrigation system is one step away from being a useless system. Take time out now to put your watering system to bed for winter, with a little tender loving care .......................Page 11

Who's in line for top title?
Which of the featured finalists will become the next ICI Premier Greenkeeper? We look at the line-up..............................................................Page 14

DEPARTMENTS

Faces and Places
A round up of movements within the greentkeepering industry, plus BIGGA’s recommended wage/salary scale for 1992...............................Page 7

Our man in the know passes on the titbits which are too good to miss Page 12

For neglected, read useless
A neglected irrigation system is one step away from being a useless system. Take time out now to put your watering system to bed for winter, with a little tender loving care .......................Page 11

Who’s in line for top title?
Which of the featured finalists will become the next ICI Premier Greenkeeper? We look at the line-up..............................................................Page 14

D E P A R T M E N T S
Announcing the 1992 BIGGA membership package.

Do your bit for a brighter future – complete the application card.

There are now over 4,000 BIGGA members:

You get all this...

- Monthly copies of Greenkeeper International – the Association’s own high quality colour magazine and essential reading.
- **Full legal advisory service** including legal helpline card.
- **Full employment cover**, full personal injury cover, pursuit of civil claims by the insured for damages, specific performance or injunction arising from or out of: a) a contract of employment or b) death or personal injury of the insured from any claim.
- **Personal accident cover** – enhanced for 1992 and will provide the following capital sums: Death – £5,000. Permanent total disablement – £5,000. Permanent total loss of sight of one or both eyes – £5,000. Permanent total loss of hearing of both ears – £2,500. Permanent total loss of hearing of one ear – £500. Permanent total loss of one or more limbs – £5,000. There is also cover for permanent loss by physical separation of thumb, finger or toe.
- **Members suffering temporary total disablement in excess of seven days** will receive a weekly **income** of £35 for a maximum of 104 weeks – options to increase benefits are available.
- **Use the Association’s placement referral scheme**, to keep up to date with the employment scene.
- **Utilise BIGGA’s services for expert advice on financial management** – our consultants will advise on mortgages, investments, life, household, private medical and motor insurance. Don’t forget the BIGGA Personal Pension plan.
- **Take advantage of reduced delegate fees** at the BIGGA Turf Management Exhibition and National Education Conference as well as regional seminars.
- BIGGA is international – all items in the membership package are available to members both in the Republic of Ireland and internationally. (International users of the legal helpline card should note that advice will relate to

**Picture this:** the NEW BIGGA membership card requires YOUR photo – see over for details.
membership package.
for all greenkeepers

d opposite Page 6

Back BIGGA and BIGGA will back you!

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.)

• All new Greenkeeper members joining in 1992 will receive an Association tie.

• BIGGA welcomes the ladies – lady members joining in the Associate category will receive a headscarf and stickpin to signify their membership in addition to the Associate membership card.

• The legal and insurance benefits are only effective following payment of subscriptions. Any delay in payment after 1st January could cause a problem – don’t take the risk!

• Complete the application card in this magazine facing Page 6

• Subscription details – overleaf ➔

NOW surely is the time to enhance your personal future by joining or renewing your membership of an Association whereby you can improve yourself professionally.

Through membership you can enjoy the rights, privileges and benefits of being part of BIGGA.

A strong, professional organisation waits to welcome you.

...For less than £1 a week
The Board of Management has approved the subscriptions for 1992 as indicated below:

<table>
<thead>
<tr>
<th>Membership Category</th>
<th>New members if paying before 31st January 1992</th>
<th>Current members if paying before 31st January 1992</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Manager/Head Greenkeeper</td>
<td>£50.00</td>
<td>£45.00</td>
</tr>
<tr>
<td>Deputy Course Manager/Deputy Head Greenkeeper</td>
<td>£45.00</td>
<td>£40.00</td>
</tr>
<tr>
<td>First Assistant/Assistant Greenkeeper</td>
<td>£39.00</td>
<td>£36.00</td>
</tr>
<tr>
<td>20 years of age or under</td>
<td>£26.00</td>
<td>£23.00</td>
</tr>
<tr>
<td>International - all greenkeeping staff</td>
<td>£48.00</td>
<td></td>
</tr>
<tr>
<td>Associate/Company (including one year’s subscription to Greenkeeper International)</td>
<td>£45.00</td>
<td></td>
</tr>
<tr>
<td>Associate/Company without magazine</td>
<td>£20.00</td>
<td></td>
</tr>
<tr>
<td>Corporate</td>
<td>£525.00</td>
<td></td>
</tr>
</tbody>
</table>

Corporate members will receive an annual plaque in recognition of their support of BIGGA and the greenkeeping profession.

NB. 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.

1991 members will be invoiced for subscriptions due prior to 1st January 1992. If you have not received your renewal notice by the end of December, please contact Headquarters.

Those enrolling in the Associate/Company membership category will be encouraged to play a full part in the Association’s affairs. Associate members will be those having a close interest in greenkeeping without being specifically employed as greenkeepers. As such this category of membership will be of interest to Chairmen of Green Committees, Club Secretaries, Golf Course Architects and Constructors and many others with a close affinity to greenkeeping. Company membership is available on an individual or corporate basis and will be of interest to those employed within the fine turf industries. Individual membership cards will be issued and will entitle the member to participate in all national, regional and section events authorised by the Association.

Holders of Associate and Company membership cards are not entitled to use their cards to seek courtesy of the golf course.

Delegate fees at both the BIGGA Turf Management Exhibition and National Education Conference, as well as at Regional seminars, will be offered to Associate and Company members at a discounted rate. Whilst many members may wish to identify with a particular local section or region, members are able to participate nationally if they so wish. They will be allocated to the section covering the geographical area in which they reside.

All Associate/Company members (with the exception of those Associate members in the £20 category) will receive each month a copy of Greenkeeper International, the Association’s official publication and essential reading for those involved with or interested in greenkeeping. A special Corporate rate is available for those companies wishing to enrol an unlimited number of their staff as members of the Association and individual membership cards will be issued. In recognition of their support of the greenkeeping profession, BIGGA will be presenting an annual plaque.

Important – All greenkeeper members will be required to obtain a passport size photograph to validate their 1992 membership cards. The design of the new card allows for the photograph to be sealed, thereby giving proof of identity. BIGGA’s Board of Management considers this innovation to be essential in preventing any possible misuse of membership cards particularly in relation to seeking courtesy of the golf course. Photographs are to be affixed by members personally on receipt of their membership card and should not be sent to Headquarters office.

Where does my money go?

A breakdown of the 1992 membership package shows the following allocations:

- Personal Accident Insurance Cover £3.75
- Legal Advisory Service/Employment Cover/Personal Injury Cover £5.00
- Membership Card £0.45
- Retainer fees (Regional Administrators/Section Secretaries) £3.46
- Subscription refund to Regions/Sections £5.55

£18.21

Each new member receives an Association tie – £4.50 or in the case of lady members a headscarf and stickpin – £4.95 and £1.10 respectively.

The balance of subscriptions is utilised to partially offset the running costs of the Association for which substantial additional income has to be sought from other sources.

Members also receive Greenkeeper International magazine – current annual subscription rate £29.00.

Together with discretionary courtesy of the golf course for greenkeeper members, the membership package represents great value for money.

In addition to practical benefits, consider the professional benefits of BIGGA membership...
Who and what are moving on and moving in, in the greenkeeping industry

The American lawncare specialists, O. M. Scott and Sons Ltd., US market leaders in lawncare products with over £500 million annual turnover and a market share of 43%, have entered the UK market. They have appointed Dave King as Sales Director of their new UK headquarters in Canock. Staffs. Dave will co-ordinate marketing strategy and be highlighting sales opportunities across the UK.

News from Gordon Moir tells of Willie Milton's retirement as Head Greenkeeper, Downfield GC, having been at the Club since the course was constructed in the fifties. Willie was a stalwart member of the North Scotland section, being Best Man.

• A 31 year association comes to an end with the departure of Jim Parker from the company that bears his name. T. Parker & Sons (Turf Management) Ltd was sold to the Moyes Stevens Group in May 1990, with Jim retained by the new owners as M.D. on a 12 month contract. Although this contract expired earlier in the year, Jim stayed on until the IOG Show, after which his association ended. With various ideas under consideration, Jim has no definite plans as to whether he will remain in the turf care industry, but hopes to maintain contact with his many friends in the business.

• Whilst still at Harlech competing in The BIGGA/ICI Nationals, John Borja received news from Clive Smith that Hawthorn Hill Golf Centre had been sold to a Japanese company – Bluebird Hills UK – and although John could have stayed on, Clive wanted him to move with the Clive Smith Leisure Group.

Lindum Turf back Education Conference

The news that Geoff Hodson (right) of Lindum Turf is to once again sponsor the BIGGA National Education Conference in March has been greeted in all quarters with great enthusiasm. The highly successful 1991 Conference in York was also sponsored by Lindum Turf and with their additional support for 1992 now confirmed, we are sure the '92 conference will be an even greater success.

The BIGGA recommended minimum salary/wages scale

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 1992.

| Course Holes | Course Manager/Head Greenkeeper | Deputy Course Manager/Deputy Head Greenkeeper | First Assistant | Assistant Greenkeeper | Apprentice Greenkeeper (All Courses) | NB: Where appropriate these rates should be increased to reflect Regional variations up to a maximum of 24% in the South East region.
---|---|---|---|---|---|---|
18 Holes | £17,440 pa | £12,590 pa | £209.30 pw | £196.70 pw | Age 16/17 - £98.35 pw; Age 18 - £122.95 pw; Age 19 - £147.55 pw; Age 20 - £172.15 pw; Age 21+ - £196.70 pw.
27 Holes | £19,020 pa | £13,715 pa | £209.30 pw | £196.70 pw | £19,020 pa
36 Holes | £21,290 pa | £15,345 pa | £209.30 pw | £196.70 pw | £19,020 pa

NB: Where appropriate these rates should be increased to reflect Regional variations up to a maximum of 24% in the South East region.

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.

NB: Staff in possession of recognised qualifications should have this reflected in an addition to basic salary.

Basic conditions of employment should include:
1. Where accommodation is provided by the Club, it should be rent free with heating/lighting costs borne by the Club. The Club should compensate for Poll Tax liability.
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.
The art of greenkeeping, according to ROBERT TAYLOR, relies on a dedicated approach to work – and with green issues a top priority, now much more than ever before.

It is estimated there are in the region of 2,100 golf courses established or being established throughout Great Britain, amounting to over 120,000 hectares of land. The terrain and vegetation classifications on which such golf courses are situated varies from heathland/moorland, parkland (predominantly broad-leaved or coniferous woodland and grasslands) through to the sand dunes and slacks of maritime or links courses.

It is also estimated that only two to three hectares of the course – ie. the putting and teeing areas – are or should be intensively managed. The fairways, excluding carry but including the greens collars, surrounds and bunkers etc., may total up to 17 hectares leaving up to 40 hectares (on an average course) which can be divided between deep rough, semi rough and the fairway carries. Indeed, the deep rough alone may occupy up to 40% of the total land, depending upon the course standard. Thus, working on the lowest figures, up to 42,000 hectares of rough is represented within the nation's golf resource.

Small wonder, therefore, that where very little time and resource is given to this land criticisms highlighting the 'selfish use' are resulting in harm to the sport, especially where planning applications for further development are submitted.

Definitions
The concept of rough and the need for its management are not always immediately understood. In the rules of golf the term 'rough' is not specifically defined but is included in 'through the green'. The latter is taken to include fairways.

Ideally the rough and the management thereof should include all the areas of the course surrounding the green, tee and fairway of each hole. Any rough management programme should consider the range of vegetation associations such as the various forms of grassland, the woodlands, copses and shelter screens, the heath (or heather dominated communities) and the water features including ponds, lakes, dykes and drainage ditches.

Ecological management of the golf course should not be thought of strictly as 'rough management'. The fairways, bunker mounding and surrounds situated on suitable nutrient poor soil types may often be included. Indeed several have been designated with the status of Site of Special Scientific Interest (SSSI), and may be severely damaged by insensitive management operations. Incorrect management can lead to a fairly rapid change in the species composition and the loss of desirable herb and grass species from the sward. Such areas would form part of the overall ecological management programme.

Management objectives
Ideally an initial survey of the course should be undertaken to determine both the present vegetation associations and the type of management necessary to enhance or retain the existing character. Within the survey it may be useful to assess the history of the site with respect to possible successions or the change in vegetation and species abundance. This is often helpful in highlighting particular problems which can then be addressed.

A certain amount of expertise is required when evaluating a particular golf course site. On a heathland course, for example, it would be wrong to encourage management toward great species diversity. The development for diversity for its own sake is rarely a wise conservation goal and is certainly inappropriate on heathland. Diversity here would invariably result in the reduction of those characteristics and species of greatest importance. It is important that the appraisal be carried out by a competent ecologist experienced in the game of golf, one sympathetic to the needs and priorities of the sport.

The data and results obtained from such a site inspection should be drawn together and encompassed in a 'Plan of Action' for the course. Such a document should outline an appropriate management strategy taking into account all areas of the course and the varying habitat types present. The plan must consider the requirements of golf (the strategy and character of each hole) and the ecological needs in
greenkeeper

order to ensure the continued survival of common and scarce species present. The plan must offer a practical and workable strategy, giving due consideration to the financial and labour resources of the Club and the availability of machinery to undertake many of the operations that may be recommended. It may be that expensive machinery is required for certain operations and this may involve either hire or outright purchase.

Timing of such work is in many cases critical on a golf course, complicated perhaps by a range of other pending priorities with which the greenkeeper is faced. Also integral with the timing is the actual phasing of such works. Much will depend on the amount of work to be carried out, but splitting the work up over several years does minimise course disturbance. Similarly, working one area of the course at a time will result in less disturbance than an approach where work is scattered around the course. Phasing the work over discreet areas will indirectly have certain ecological benefits, by maintaining a series of different habitats which are all at different stages in their life cycle.

Management
It is not feasible in an article of this length to discuss in depth the management of all habitat types encountered by the greenkeeper on his course. I have therefore concentrated my efforts to exemplify the ground rules for management on just one major habitat type, that of heathlands. Future articles will discuss the ground rules for management of woodlands and grassland, as encountered on parkland and downland courses, and the very exposed coastal maritime or links courses.

Heathlands: Although heathland courses have a strong air of wilderness about them - giving a serious impression of naturalness - they are in fact totally 'man-made'. Evidence from pollen analyses suggests they were once wooded and downland courses, and the very exposed coastal maritime or links courses. This is largely due to past neglect may involve a large labour input. Following physical lifting, all cut material should be removed from the site to prevent any return of nutrients to the soil. Birch stumps remaining should be treated with an approved herbicide to prevent their re-growth.

Rhododendron is a very invasive component of many heathland courses and is best removed by winching (especially on sandy soils) or by cutting and chemical treatment. Cut stumps should be drilled and filled with an approved herbicide.

Bracken eradication is timing dependent, with Asulam sprayed over the young, dry flush in mid July to mid August being possibly the most efficient technique. If applied correctly in dry conditions, allowing 36 hours between rainy spells and where wind speeds are between 1-3, underlying heather should not be adversely affected.

Heather, normally the dominant species on the heathland courses, is often sadly neglected and is therefore usually old and beyond its capacity to regenerate vegetatively, or is being outcompeted by more aggressive grass species. Management to reinstate areas where the heather has become very 'leggy' will involve cutting the sward to ground level and removing the risings and litter. A heavy duty flail/scarification machine should be employed to remove surface debris without passing too deeply into the surface, bearing in mind that regeneration at this stage is almost entirely dependent upon the buried seed bank.

In younger swards the heather should be periodically cut to maintain the desired height, keeping the plants in the building phase of their life cycle, which in turn will encourage basal tillering and maintain a strong and dense sward. Suitable machinery to employ would be a forage harvester or a heavy-duty vertical flail with collecting hopper. In a recent series of heather trials conducted by the STRI we used an Amazone Groundkeeper, which proved to be most satisfactory.

Burning is an option, but has a fairly restricted application on the golf course. Much depends on a fast burn at an appropriate temperature, with these conditions being quite exacting and difficult to achieve. Should you consider this option it is ideally carried out in February, with the action becoming unlawful after the end of March.

Cutting management is best undertaken between November and March, preferably after seed set, but not in adverse weather conditions. Competition from productive grass species is a problem, particularly on those courses lying on dry nutrient poor sand and still recovering from the onslaught of the previous two years of drought. In such cases grass invasion should be controlled through an integrated programme of scarification and selective herbicide treatment, though it should be noted that the scarification procedure may temporarily inhibit the heather, but this should recover with the passage of time.

Conclusion
Greenkeeping in the 1990s is both an exacting science and an art. Understanding the management ground rules for putting and teeing surfaces requires a very dedicated specialism - as we progress into an era where environmental conservation is taking an overriding precedence in our societies sociology. Then the specialism of rough management will increasingly present itself to the greenkeeper, his workforce and to the Club as a whole. The STRI is now, through its research and consultancy services, heavily committed to the restoration of heathland courses and welcomes requests for advice and guidance.

* The author, Robert Taylor, is an ecologist with the Sports Turf Research Institute. He will be addressing the subjects of Environmental Considerations in New Course Design and The Ecological Management of a Golf Course as part of a series of STRI seminars, scheduled between November and February at various locations throughout the country.
Send for

**THE J TEAM**

These easy-selection full colour guides to the finest sports and amenity grass seed ranges are the latest addition to the Johnsons 'J Team'. Covering sport and amenity mixtures, landscaping, reclamtion mixtures, wild flowers, turf production and golf courses they give step-by-step information on choosing the right mixture for the right usage at the right time.

Get the 'J Team' working for you - send now!

**Johnsons Seeds**

Unsurpassable for everything grassable.

W. W. Johnson and Son Ltd. Boston, Lincs

Tel: (0205) 365051 Fax: (0205) 310148

**RECRUITMENT**

**DISLEY GOLF CLUB LTD**

**invite applications for the post of:**

**DEPUTY HEAD GREENKEEPER**

To join an established team. To deputise for Head Greenkeeper when required.

Practical knowledge and work experience of golf course maintenance, machinery, together with appropriate qualifications is essential.

Salary by negotiation depending on age and experience.

No accommodation available.

Write with full CV to:

The Secretary, Disley Golf Club Ltd, Stanley Hall Lane, Disley, Stockport, Cheshire SK12 2JX

**Guildford Golf Club**

requires an experienced

**ASSISTANT GREENKEEPER**

No accommodation. Salary negotiable.

Apply in writing to:

Guildford Golf Club
High Path Road, Merrow, Guildford, Surrey GU1 2HL

For more information telephone 0420 587 346

More **RECRUITMENT** on Page 35
Winter water shutdown

The summer has gone, the irrigation system no longer needed. Will you forget it? Probably, but you shouldn't! The system has cost valuable Club funds to install and maintain and is a vital management tool every year, dry or not so dry.

If we ignore the system now, the Club will inevitably spend more on maintenance next year. If the system is properly wintered down and checked through, such action will limit future expenditure on maintenance and it will be there waiting, fully operational when we need it next spring!

What work should we, as responsible greenkeepers, arrange to be done now and throughout the winter to ensure we start next season with a fully operational and satisfactory scheme?

Storage facility, controller and control cabinets, valve, solenoids and sprinklers — all require attention; and the main points to look for are as follows:

Storage: If your storage is an above ground galvanised, fibreglass or polyethylene type, close off the water supply whilst making sure to drain the supply line back to a position where it will not freeze, or ensure it has been adequately lagged. Unless the tank is used as a fire fighting water supply, drain it and take the opportunity of removing frost damage and debris which may have accumulated. Check the liner and waterproof seams and joints for condition. If they are in anyway suspect, make arrangements to have them attended to.

If your water supply is a river or lake, make sure you remove the suction pipe from the water. This will prevent it from freezing, possibly even being washed away, and will reduce deterioration to the suction pipe itself.

Pump station: Check that the pumping house is safe and vandalproof for the winter. Mindless persons can often cause more damage than the worst frost or lightning strike. All types of pumps used in golf course irrigation need draining down if there is the slightest risk of frost. Pump castings do not tolerate water being frozen within them and can possibly crack.

Pumps and motors should be checked for performance and wear and the greenkeeper should request an annual check from his irrigation equipment supplier. Do this now rather than later, when every other client will be looking for urgent attention.

Gordon Bennington suggests some useful tips to take your watering system into winter

Storage: If your storage is an above ground galvanised, fibreglass or polyethylene type, close off the water supply whilst making sure to drain the supply line back to a position where it will not freeze, or ensure it has been adequately lagged. Unless the tank is used as a fire fighting water supply, drain it and take the opportunity of removing frost damage and debris which may have accumulated. Check the liner and waterproof seams and joints for condition. If they are in anyway suspect, make arrangements to have them attended to.

If your water supply is a river or lake, make sure you remove the suction pipe from the water. This will prevent it from freezing, possibly even being washed away, and will reduce deterioration to the suction pipe itself.

Pump station: Check that the pumping house is safe and vandalproof for the winter. Mindless persons can often cause more damage than the worst frost or lightning strike. All types of pumps used in golf course irrigation need draining down if there is the slightest risk of frost. Pump castings do not tolerate water being frozen within them and can possibly crack.

Pumps and motors should be checked for performance and wear and the greenkeeper should request an annual check from his irrigation equipment supplier. Do this now rather than later, when every other client will be looking for urgent attention.

A typical solenoid coil which could eventually break down pulling too much current

Did the pump seem to be working as it should? Have any of your staff mentioned a drop-off in pump performance? If so, mention this to the pump engineer, as it could help him to locate the particular problem more quickly. Always isolate the electricity to the pumps, open all valves and give them a turn from time to time during the winter.

Controllers: We often forget these essential devices. First, should we switch the controller off? Some manufacturers would prefer to leave the controllers powered to ensure there is no long-term damage due to condensation etc., even if the pumping house is heated. It may help to remove any fuses fitted to the course wiring to minimise any possible lightning damage due to winter storms. If the pumping house itself needs attention in order to prevent rainwater finding its way to the controller and the electrics in general — do something about it now.

On course electric cable: Have the course low voltage electrics checked out by your supplier for current leakage when he carries out any other work during the winter, unless your system provides you with a status report.

Pipelines: One of the jobs we know we need to do, know we should do and often leave too late, is to open the drain valves and release the water from the pipeline system. Let as much water out as possible, then close the valves to approximately 1/4" (6mm) opening. This will prevent our rodent friends from using the drained pipe as a winter home — a favourite place for many.

Make a note of the points across the course where you have noticed leaks during the season and plan to do something about them now, not later when the lines are drained down. If you have any doubt that the pipeline is not fully drained in places where it may be exposed, ensure it is properly lagged against frost damage.

Solenoid valves and sprinklers: If you had operational problems during the season with solenoids or sprinklers, arrange to resolve them now. Diaphragms in solenoids will eventually fatigue and require replacing, coils and coil pins can wear, with coils drawing too much current and coil pin not seating correctly. Have the coils checked by your supplier at the same time as he is checking the course wiring as this can often be a single operation.

Sprinkler seals may have become worn and be leaking. Remove the sprinkler inserts and replace the seals, checking the springs at the same time, whilst cleaning the trash filters and checking the nozzles for excessive wear. Make sure the pop-up drain holes are clear.

Hoses: If you use auxiliary hand watering or sprinkler feed hoses, remember that they also should be drained out, coiled up and placed in a dry, preferably dark, location. You may need one during the winter and when you do it could be full of ice, hidden under grass and knotted up into the bargain.

In summary: Do not forget the system. Do the checks now and plan the repairs and maintenance through the winter. If you are planning improvements, talk to your suppliers immediately and negotiate your plans early. If you choose not to assess the state of your irrigation system as suggested, be sure to add a significant increase to your maintenance budget for 1992.

You will certainly need it!

* The author, Gordon Bennington, is General Manager of the Rainbird Division of Wright Rain Limited.
* Readers should note that a two day BIGGA education workshop on irrigation will be presented at The Old Swan Hotel, Harrogate, on January 20th and 21st 1992, presented by Robin Hume of the British Turf and Landscape Irrigation Association.

North Staffs Irrigation Co.

IVY MILL, LONGLTON ROAD, STONE, STAFFORDSHIRE

Rain is like a policeman — never there when needed. We can change that all.

We can make it rain on your golf course at the touch of a button. We can arrange for your course to be watered at night when conditions are just perfect, or when you need to apply fertilizer or top dressing or indeed at any time to suit you.

Our name is somewhat longer than the Almighty and we have not been in the business quite as long, but we are very good at it and very reliable.

We are:

NORTH STAFFS IRRIGATION COMPANY

Ivy Mill, Longton Road, Stone, Staffordshire ST15 8TB.

Telephone: 0785 812706
Fax: 0782 395734

GREENKEEPER INTERNATIONAL November 1991 11
Amusing perhaps, but there was a serious side to the tale retold regarding a contractor hollow coring greens. The Club secretary wandered out to watch, picked up a couple of the 5" cores and remarked: 'my, what wonderful root growth we have here... the cores being 5" of solid thatch! 'I didn't have the courage to tell him the truth', said the contractor, 'he's a pompous man with long-held prejudiced opinions and doesn't take kindly to having them dented with reality!'  

Just a load of hot air... that's all it takes to get airborne; and so with great trepidation, both Billy Martin and your editor gathered at Wildwood recently for his winning flight after the launching of the RFE Turf Machinery Ltd golf ball shaped hot-air balloon. Sadly the weather turned sour and the launch was postponed, so we'll have to wait to report on the exploits of 'those magnificent men in their flying machines'. In the meantime, I can report that Wildwood is shaping up magnificently (with a fabulous opening hole) and that our old friend and course consultant, Jack McMillan, is generous in his praise for its magnitude and progress, with play scheduled to begin in 1993.  

Following the ultra-critical and in many ways thoroughly justified comments made on the condition of the greens at Royal Birkdale, the stage whisper going the rounds is that the Club asked a 'second opinion' from none other than Arnold Palmer (or his American agronomist) to advise on possible remedial action, the too simple answer opined being 're-build to USGA spec!' Whilst appreciating that action is necessary - nay essential - one cannot help question the thinking behind appointing an American, great player though he may be, to comment on conditions that are essentially British in terms of turf species, lovely sandy ground conditions and climate. Further, such action must be seen as a snub for the STRI, who have worked closely with the Club and whose agronomists have for decades been appointed by the R&A to advise on such Championship courses. I also learn that the R&A have now issued an edict advising that any Club not following advice from the Championship appointed agronomist to the letter will be in danger of losing their place on the Championship roster.  

Night-time golf came to Aldwark Manor, demonstrated for the first time in the north to an invited audience, who saw the chemically illuminated golf balls struck, with various plastic covered lights of a similar nature used to aid the golfers sight. Initially the reaction was 'well, it's been a bit of fun', but greenkeepers are reported far from happy with this import from America. The reason? We have 12 or more hours of golf during summer and everyone knows the problems of overplaying and compaction. Added to this is the problem of footprinting on delicate and perhaps frosted greens and, of course, divot replacement. Overall impression? A bit gimmicky and not for the serious golfer.
Almost one month on from the Ryder Cup and I'm still being quizzed by all who caught a fleeting glimpse of me on TV, squatting within feet of poor Bernhard and in direct line of that single breaking putt that slid silently me on TV, squatting within feet of poor Bernhard and in direct line of that single breaking putt that slid silently

Was it that difficult? I imagine only the immortal Bobby Jones may have known such intense pressure in eventually winning the Impregnable Quadrilateral (The Amateur and Jones may have known such intense pressure in eventually winning the Impregnable Quadrilateral (The Amateur and Open Championships of both Great Britain and the USA in one glorious year – 1930). Please believe me, Bernhard Langer, having played so courageously down the stretch, was our hero.

I am an emotional man, known to weep at weddings and much stirred by patriotic fervour. As a mere onlooker I could taste that pressure, easily cut it with a blunt knife, feel it tingling in every limb, for this was golf played for the glory of nations in a steaming pressure cooker. That alone is what made The Ocean a difficult course and one can only vaguely imagine how both teams agonised.

Millions of words have been written and spoken about The Ocean, though somewhat less about it being too tough; and it has been an interesting exercise to listen to those who saw the matches on TV, for almost to a man they criticise a course that I did not see. Perhaps tour professionals have become too accustomed to thrashing a driver 250 or more yards down every manicured fairway and playing short pitch shots to holding greens. Perhaps they have been spoiled by over simplicity. The Ocean that I witnessed gave no hint of malice and matched the good humoured Americans in South Carolina, with the added measure of sunshine.

Walking the course each day, sucking in the atmosphere that grips the heart, a pressure prevailing from the very first tee shot to that last agonisingly cruel putt. This was what I saw at The Ocean and I left each day in awe and admiration of those who had battled upon its acres, whilst applauding Pete Dye's breathtaking and cleverly conceived jewel hugging Carolina's shores.

Great courses are not made overnight – certainly not great links courses – and ultimately the place taken by The Ocean will not be decided by golf writers or TV commentators. Rather it will come from those golfers competing for five bucks a hole from the very playable white tees at 6245 yards or red at 5327, who play it once and come back again and again for more – a blessed and beguiling touch of Scotland again for more – a blessed and beguiling touch of Scotland...

Returning to these shores and sharing in my own way the burden of Europe's defeat, I was instantly cheered to meet up at long last with a man I have long admired, ex-Ryder Cup player, Sam King, now in his 81st year, as sharp as ever and possessed of a biting wit that holds one spellbound. With total recall of events that took place over 50 years ago (he was the only British player to win in the Ryder Cup of '47, beating Herman Keiser by 4 and 3), and happy to reminisce over his many Open Championships, in which he holds a record by never winning whilst finishing in the top ten no less than nine times, he replied, 'and I enjoyed it far more because it was played on an exciting course with a testing breeze. The Ocean, in my opinion, was just perfect for match play. No doubt when they play at The Belfry in two years they'll be putting for birdies and eagles on every hole, but I personally like to witness 'The Ultimate Matchplay' on totally demanding courses, those where a player must think about every shot and fabricate quite a few. I'd like to see it played there again and again'.

The wisdom of age and experience was never more profound, this from a man who won the princely sum of just £40 for third place in The Open at St Andrews in 1939; and who, one sensed, would have loved to play once again for his country at Kiawah, heart pounding and all.

DAVID WHITE
The strength of guidance and support given to BIGGA members by ICI Professional Products—in both sporting and educational programmes—must be seen in all quarters as richly rewarding, demonstrated first by the truly fantastic ICI sponsored National Tournament and followed now by the quality of entry for this year’s ICI Premier Greenkeeper of The Year awards.

Those greenkeepers who have faith in their own ability to rise beyond the norm—and there are more and more professionals who think in that fashion—supported the competition with great gusto and in greater numbers than hitherto, first by completing a short but testing examination paper and following this with an essay on a pertinent greenkeeping subject.

A natural process of elimination followed, with the five chosen finalists having been inspected by experts from both BIGGA and ICI at their place of work—on the field of action, so to speak—before finally reaching the nerve wracking final hurdle. This will be an interview to be held next month before a select panel of judges at Aldwark Manor, BIGGA’s national headquarters.

Quite apart from the natural kudos gained in just reaching the final stretch, one proud greenkeeper will be chosen as ICI Premier Greenkeeper and join the BIGGA trip to the GCSAA Exhibition and Conference in America’s New Orleans, in February 1992. The run-up will receive a weekend for two in the ‘Big City’, with tickets for a major golf tournament and a West End show, with third place taking a relaxing weekend for two at Aldwark Manor, including golf and theatre tickets. All wonderful prizes.

THE CANDIDATES

RICHARD BARKER
Richard is a most popular and highly visible figure at all BIGGA functions, being Chairman of the East Midlands section, a regular trophy winner at both BIGGA and Leicester County golf events and a staunch supporter of greenkeeper education. Above all, he’s a supporter with a solid background, having attended both Askham Bryan College and Elmwood College for Management and Supervisory studies—finishing up Top Student at Elmwood.

He’s 27, still single, and is head greenkeeper at Kirby Muxloe Golf Club, a delightful parkland course on 150 acres with four green staff, where he’s held the post for nearly four years. Quite apart from the day to day running of Kirby Muxloe, Richard has been involved in constructing three new Hawtree designed holes and has thoroughly enjoyed this exposure to another side of his career progression. He’s a world traveller, taking note of the best that other countries have to offer and successfully attempting to integrate such techniques into his own course in his efforts to keep all of his members happy all of the time!

LAURENCE PITHIE
It’s difficult to know where to start with Laurence, for his profile is on an all time high following his election as the first ever Master Greenkeeper this year. He was winner of the National Greenkeeper and Groundsman of The Year in ’83 and ’87, regional winner in ’88 and holds the Course Managers Gold Diploma. He’s a speaker at seminars and conferences, a student of foreign languages, and the compiler of a slide library on golf course management, culled from his many journeys to courses around the world.

Laurence, born in 1952, began as an apprentice in his native Scotland at Bruntsfield Links before moving to Mortonhall as deputy head greenkeeper, whilst following the time honoured pattern of college education at Elmwood. This was followed in ’73 by a move to head greenkeeper status at Sandiway in Cheshire. His current courses, 36 holes of downland delight on a limestone plateau at Minchinhampton, have been his great challenge since 1981 and it is here that he lives with his family.

TIMOTHY McCREADIE
Tim is yet another of those greenkeepers who link fine play in the field of greenkeeping competition—he’s a grand player and was once a qualified member of the PGA—with the skills and determination to maintain absolutely first rate playing conditions on his own course. Recently at Hesketh, a qualifying course for Open Championship entry, he’s been a head greenkeeper for some nine years at both Hesketh and Rheinfelden, both truly bonny and challenging courses of high repute. Having worked on a variety of different courses, links, heathland and parkland, he is well versed in such diverse activities as major drainage installations and thatch eradication.

Unlike others with an eye for the glittering prize of professional golf, 37 year old Tim maintains the wise decision to choose career at the Reaseheath College, with the highlight coming when he was elected Top Student in his final Phase III year.

Now his sights are set on moving to a new development—one where top class specifications are written in stone and strictly followed to the letter—in order that he may combine his course management from a practical viewpoint.

DAVID WHITAKER
Ask 30 year old David Whitaker what his premier aim is and he will almost certainly wax lyrical on the subject of improving greenkeeping techniques, a subject on which he holds very firm views. He’s of the opinion that this will come quicker than many believe, based on his premise that better research, education, and personal representation at both national and Club committee level is now regarded in many circles in a much more enlightened manner.

Perhaps this thinking is in line with his present position, that of course manager at the high profile and much discussed Wisley course, a new 27 hole Robert Trent Jones Jnr. design in the Surrey stockbroker belt, seeded throughout with the ‘Penn’ cultivar range. He’s at Wisley almost since the first sod was turned and has the huge task of ‘growing-in’ and subsequent maintenance of both course and grounds—a demanding responsibility.

Seemingly with a penchant for ‘Penn’ range grasses, David was previously responsible for an equally demanding task in Switzerland at the Pete Dye designed Golf Du Domaine Imperial, whilst also acting as a consultant to the prestigious Geneva Golf Club, all heady stuff. If all this suggests that his skills lie only with American style activities; not so, for over ten years of solid and dependable greenkeeping work in the north of England at both Balidon and Rawdon stamp him as a sound all-rounder with skills in every department.

ARNE van AMERONGEN
With a name like Arne (as in Arnie’s Army) you could hardly be surprised that this likeable young Dutchman eventually took to greenkeeping as a career, though his first sporting love is Judo and he is a past champion of the crack Dutch Marine force. What is surprising is that one hailing from the cradle of golf should work in Germany and be college trained in Britain. Arne is head greenkeeper with the British Army Golf Club in Sennelager where he trains other staff, especially on the intricacies of a computerised irrigation system. From early beginnings, training under Englishman Bill Garner, Arne moved around whilst working on both heathland and parkland courses and became involved with building both tees and greens from scratch. He’s a model student under Dennis Morant at Reaseheath in Cheshire and is well forward toward completing his Greenkeeping and Sports Turf Management examinations.

One of the new European breed, he is a strong contender for the TORO/PGA European Tour Student Greenkeeper award this year and is setting his long term goals high. One idea in his mind is that he may become a course designer and act as a consultant, with an emphasis on machinery, maintenance, budgets and irrigation.

Not content with nurturing 36 holes at Minchinhampton, he acts as a consultant for two other Clubs, plays to a handicap of 8, writes articles and has the ambition to write a full length book on course management from a practical viewpoint.

RICHARD BARKER

LAURENCE PITHIE

TIMOTHY McCREADIE

DAVID WHITAKER

ARNE van AMERONGEN

And then there were 5
Stars of tomorrow

Elmwood College, in Scotland's golfing heartland of Fife, is noted for excellence both as a place of learning and in producing greenkeeping professionals, men who then go forward to the giddy heights of management at top sporting venues. A classic example may be seen within the PGA European Tour itself, with their Director of Agronomy, Bruce Jamieson, an outstanding Elmwood 'old boy'.

Now the college can lay claim to yet another rising star, 23 year old Brian Story, who is the newly acclaimed Toro/PGA European Tour Student Greenkeeper of the Year. From a top class field of 13 selected students - hand picked as representing the very best by their respective Approved Training College tutors - Brian is the man chosen amongst his peers to represent BIGGA during the coming year, the award being a breathtaking tour of campaign that will leave him in no uncertain mind as to the wisdom of choosing greenkeeping as a career.

Consider these glittering prizes: six weeks at the Winter School for Turf Grass Managers held at the University of Massachusetts, a week at the Toro Irrigation and Technical Design Complex at Riverside; California, a further visit to the Toro Mower Division Headquarters at Minneapolis, together with practical tours of local golf and country clubs. Brian's learning curve on the American side of the Atlantic will finally end with a week-long visit to the Golf Course Superintendents Association of America Conference and Trade Fair in the hugely exciting city of New Orleans.

If all this isn't enough to make Brian's mind whirl, consider also the meteoric rise he has made in just a few short years at Silloth on Solway, his home course. Having made the decision to progress to the top via the education route, Brian achieved all his Greenkeeping Management learning modules with comparative ease and moved forward to take further Supervisory modules through Elmwood's highly praised Distant Learning Course.

Impressive noises in the lecture room (Brian's a regular award winner at Elmwood prize presentations) suggested equally impressive noises in the Club committee room and on the strength of his rapid learning curve, coupled with solid practical experience over several years, Brian has most recently been promoted to Working Course Manager at Silloth on Solway GC. That Silloth is a highly progressive Club with an equally progressive course manager is further endorsed by the Club's wise decision to disband their green committee in favour of a one to one discourse between Brian and the green chairman/convener - all highly creditable.

Now Brian, a practical golf-playing greenkeeper with a touch of genius around the course, (handicap two and a 'capped' Cumbrian County player) is set on achieving Master Greenkeeper status and will attend management courses at BIGGA headquarters at every given opportunity, this in his quest for additional credits to add to his already impressive 159 total.

Though the Toro company are principal sponsors of this prestigious award, for the past two years they have been joined by the PGA European Tour, who as co-sponsors have lent substance to the winning circle by taking two runners-up as part of their own support team to selected professional tournaments. This year the lucky twosome were Scotland's Alan Morgan (nominated by Oatridge College) and Leeds' own John Waite (nominated by Askham Bryan College), and these fortunate students will soon be receiving a call to arms from the Tour's Director of Agronomy, Bruce Jamieson. What Alan and John can anticipate is two of the most exciting weeks of their lives, working whilst learning at the sharp end of the most exhilarating sector of professional golf – The European Tour – with added opportunities to meet golf's par busting super-stars. It will be a learning experience they will never forget.

In speaking to the assembled finalists, Peter Roberts, General Manager, Toro Irrigation UK Ltd, suggested that the future of our great profession was within the grasp of all those young men with a mission – the education seekers – and that they were the stars of tomorrow. Summarising in his speech, Michael Williams, Golf Correspondent of The Daily Telegraph, opined that all greenkeepers should play golf and that golf clubs would be wise to encourage such activity. Finally he drew sound applause by stating that in the Toro/PGA European Tour Student Greenkeeper of The Year awards there were no losers – everyone being a winner by just taking part.
Canadians maintain Fulford's reputation for tense finishes

SO CLOSE!

JOHN HUNTER reports on the seventh Ransomes International Greenkeepers and Superintendents Golf Tournament

Fulford Golf Club in York has seen some great players over the years, as the stars of the PGA European Tour have competed in the Benson & Hedges Open and Murphy's tournaments since 1971.

There have been some tense and exciting finishes as the likes of Nick Faldo, Tony Jacklin, Lee Trevino, Tom Weiskopf and Ian Woosnam, to name only a handful, have tested their skills against the course.

Fulford maintained its reputation for down to the wire, moment of truth finishes in the seventh Ransomes International Greenkeepers and Superintendents Golf Tournament, when Canada snatched victory by one point from the United States with England third, two further points away.

What a day and what a finish. Many pundits felt that United States were in with a favourite's chance of wresting the trophy for the first time, after near misses previously.

And they did. The Americans had smiles on their faces when they went into lunch after the morning round with a one-point lead over Canada with England and Germany tied in third place, three points adrift.

That lead came after a superb finish in the morning by the American team of Ed Walsh, Roger Null and Frank Maxwell, who gathered a marvellous 14 points from the last four holes.

They had four at the 15th, three at the 16th, two at the famous 17th (the Bernhard Langer hole where the German player had to climb the huge ash tree alongside the green during the Benson & Hedges International Open in '81, after his iron shot lodged in the fork of the tree) and finally five points at the par five final hole.

Here Walsh, an 11 handicap player from Ridgewood, who had a birdie three at the 5th, put his second shot inches from the pin to tap in his third and accomplish a rare gross eagle, nett albatross.

The Canadians, twice winners of the competition – at Ipswich in 1982 and St Andrews in 1985 – had looked as though they were heading for the lead, until the tremendous spurt by the Americans.

The Canadian team of Tom Charters, a six handicap player from Weston, Bob Heron, nine handicap from Beacon Hall, Doug Meyer, five handicap from Cedarbrook and Robbie Robinson, five handicap from Hidden Lake, ably led by team manager Ken Olevik in addition to wives and supporters, were not at all downhearted about the sudden turn of events and to prove the point gave away a few lapel badges to the Canadian maple leaf to people in the clubhouse over lunch.

England's team of Mike Hughes, five handicap from Edgbaston, David Wood, eleven handicap from Holtye and Mark Diment, fifteen from Knighton Heath backed up by team manager Ivor Scoones, who was National Chairman of BIGGA in 1990, were well placed at this stage.

Hughes had played exceptionally well with 14 points going out and 14 coming back as well. Diment scored 9 on the outward nine holes and 5 coming back. Remarkably, Wood didn't score at all, although that was often because of his colleagues obtained the necessary points before it was his turn to putt.

There were some hard-luck stories too at this stage. Scot- land, who won at Woodbridge three years ago and were keen to retain their title, had no luck at all in the morning.

Elliott Small, head greenkeeper at Tulliallan and an eight handicap player, said "We had no gross birds and no one-point or four-point holes. They were all twos and threes, which is very unusual. We seemed to be seeing borrow which weren't there and lipped a lot of holes".

At the other end of the field, Austria, who had three of the longest handicap players with marks of 25, 26 and 27, did very well to obtain 34 points when remembering that under the rules of the competition, all players had to play off a maximum of ten.

Norway also did well, considering they had earlier worries, being involved in a crash at Harwich shortly after disembarking and having to hire another car to bring them to York.

And so to the afternoon when conditions were again perfect – in stark contrast to high winds the day before and the day after the tournament. Could the United States hold on to their lead with Canada and England breathing down their necks?

It was neck and neck all the way as Frank Maxwell, who had the best round of the day, a one over par 73 in the afternoon, leading the American's challenge with 18 points, Null gathering 12 and Walsh, superb in the morning with 24 points, managing only 11 in his second round.

But the gritty Canadians were not to be denied their hat-trick as they gained 43 afternoon points to edge home by just one point from the Americans (46 and 41), as everyone held their breath.

England improved their score by one point in the afternoon (42 and 43) while Northern Ireland, The Republic of Ireland (who had father and son Jim and Frank Byrne in their ranks); Scotland and Wales all, coincidently, finishing on identical 78 point marks.

A wonderful end to a wonderful day for the greenkeepers from a record 15 countries who competed, three more than the previous best.

As Robert Dodsworth, Ransomes Group Chief Executive, said at the closing banquet later: "The camaraderie of the greenkeepers has been of the highest order and we are very proud to be associated with it by sponsoring the event".

Kevin Miller, captain of the host Club, told the assembly: "If you would like to come back in three years time I am sure we will be delighted to have you".

Greenkeepers from the 15 countries, who gave Mark Men- nell, head greenkeeper of Fulford a standing ovation as a mark of tribute to the work of himself and his staff, will certainly be looking forward to the next time, wherever the event is played in 1994, none more than Canada's Bob Heron, who has played in five of the seven events so far, missing only 1973 and 1979.
The Greenkeepers' finest hour - a record breaking 8-0 victory over their opponents in the prestigious Kubota Golf Challenge. Report and pictures by DAVID WHITE

Make no mistake about it, the Kubota Golf Challenge is a very important event indeed, the very essence of matchplay at the highest level and the ultimate culmination of a season of hardened competitive campaigning by golfing greenkeepers - a melting pot where the cream rises...

The Kubota Golf Challenge - originated in 1983 as a series of matches between selected national teams from The Golf Club Secretaries and our own Association - has developed and grown in stature and importance with the inclusion of teams culled variously from The Golf Writers Association, The Stewards Association, The English Golf Union and, for the first time, a team from The Golf Foundation. In its nine year history the handsome Japanese porcelain Kubota Trophy has been won three times by The Secretaries and an astounding six times by The Greenkeepers, though never in its history by a more convincing margin than in this latest test of man against man.

You may be sure that our sights were set on erasing the bitter taste of a mere third in the 1990 event, our 1991 eight man team comprised Richard Barker, Barry Holt, Graeme MacDonald, Stephen Sullivan, Michael Hughes, Don Major, Mark Diment and Philip Wentworth; all of whom earned selection by winning their respective classes in our National Tournament.

Such is the competitive spirit prevailing in our ranks that the team were all in full battle order for some essential last minute fine-tuning at The Belfry, notwithstanding a falsely force eight blowing with wind-chill factor to match. Full marks especially to Steve Sullivan, who had driven 400 miles overnight from his Perthshire home to represent his profession, such enthusiasm rewarded by two great wins, both at five and four!

Meeting the current Kubota Trophy holders in the semi finals, our team held solid against a hand-picked group of single figure secretaries and succeeded in trouncing them, with a resounding five to two mark in our favour, one game being halved. Our two losses, which might well have gone the other way, both came at the 18th, first from a heart-stopping double break putt of twenty five feet from the magic wand of secretary Barry Vernon in taking Mike Hughes by one, the other being a ding-dong battle which went the full distance between the irascible and difficult to beat Vice President and Director, Kubota (UK) Ltd., praised the performance of both the severity and importance of these bloody battles, one must give much more credit.

Not to be denied the gales again, we were lucky that ‘the big blow’ wasn’t also matched with the rains currently dumping over the rest of the country, and thus we wrapped up well against the chill of the day. Our final opponents were the English Golf Union, with first blood going to our stalwart of several previous Kubota finals, Richard Barker, who put the lid on a perfect series with a smooth three and two victory. The tails were up and the blood pumping as Barry Holt defeated Roy Lawford by three and one, fairly zinging as Graeme MacDonald annihilated Dick Bates by eight and six and over the moon when Stephen Sullivan crushed Malcolm Unsworth by five and four. Half way home and no defeats!

A further great breakthrough came as Mike Hughes defeated Jack Humphries by three and two, followed minutes later with Don Major conjuring all his many golfing talents to slip a two hole victory against Cyril Rose. Then, glory be, we had Mark Diment, having a no quarter given head to head with Ken Johnson and fairly romped home whilst reveling in his five and four victory. In most events the anchor man has a tough task, but this was not the case with ‘our’ Michael Hughes, who put the lid on a perfect series with a dogs licence victory (7 & 6) over Norman Bradford. Eight matches played, eight matches won and honour restored!

Symptomatic of both the severity and importance of these matches played, eight matches played was not the case with ‘our’ Michael Hughes, who put the lid on a perfect series with a dogs licence victory (7 & 6) over Norman Bradford. Eight matches played, eight matches won and honour restored!

Not to be denied the gales again, we were lucky that ‘the big blow’ wasn’t also matched with the rains currently dumping over the rest of the country, and thus we wrapped up well against the chill of the day. Our final opponents were the English Golf Union, with first blood going to our stalwart of several previous Kubota finals, Richard Barker, who put the lid on a perfect series with a smooth three and two victory. The tails were up and the blood pumping as Barry Holt defeated Roy Lawford by three and one, fairly zinging as Graeme MacDonald annihilated Dick Bates by eight and six and over the moon when Stephen Sullivan crushed Malcolm Unsworth by five and four. Half way home and no defeats!

A further great breakthrough came as Mike Hughes defeated Jack Humphries by three and two, followed minutes later with Don Major conjuring all his many golfing talents to slip a two hole victory against Cyril Rose. Then, glory be, we had Mark Diment, having a no quarter given head to head with Ken Johnson and fairly romped home whilst reveling in his five and four victory. In most events the anchor man has a tough task, but this was not the case with ‘our’ Michael Hughes, who put the lid on a perfect series with a dogs licence victory (7 & 6) over Norman Bradford. Eight matches played, eight matches won and honour restored!

Symptomatic of both the severity and importance of these matches played, eight matches played was not the case with ‘our’ Michael Hughes, who put the lid on a perfect series with a dogs licence victory (7 & 6) over Norman Bradford. Eight matches played, eight matches won and honour restored!

Results: The Greenkeepers defeated the English Golf Union by eight matches to nil. In third place were The Secretaries, who defeated the Golf Foundation by five matches to two, with one match halved.
Yesterday's skills ...  
... tomorrow's technology

The reliability and accuracy of an Atterton Grinder is unrivalled, even under the most arduous conditions. Simple to use, an Atterton Grinder allows the operator to precision grind every time.

Models include the proven **Express Dual**—an innovation from Atterton & Ellis. The first and highly successful “in-situ” grinder that will accurately sharpen cylinders still fitted to the mowing machine or, alternatively, cylinders may be removed for a full strip down during the less busy periods and sharpened just as accurately.

The “**Master**”, a giant among Grinders – built to a standard that others try to follow and capable of grinding larger cylinders on gang mowers.

Bottom blade grinders include the **Anglemaster**—a precision grinder that complements both The **Master** and The **Express Dual**.

---

**ATTERTON & ELLIS LTD**

Manufacturers of Fine Grinders for over 100 years

Iron Works, Haverhill, Suffolk CB9 8QH.
Tel: (0440) 702312  Fax: (0440) 712138

**Professional Grinders for Professional People** – from the people who have been grinding for over 100 years.
How preventative care now will pay dividends later. By Hugh Tilley

The best reason for winter servicing is that you won't have time in the spring! But of course there are other serious reasons for looking closely at all of your machinery before you get into winter proper. One of the most important is that it gives you time to present a case (to green chairman or secretary) and obtain quotes where replacement or major overhaul is needed – and (hopefully) time to select and order. For machinery which is required throughout the winter a thorough service should maximise reliability. For machinery which will not be needed until the next growing season, maintenance should be aimed at conditioning the equipment so that it can be put back to work in spring with minimum delay or stoppages.

This autumn and winter work usually includes a number of different elements and priorities, such as cleaning and inspection, routine servicing, preventative maintenance, repair and overhaul, and storage.

Cleaning and inspection
A thorough clean must be first priority and ideally this should be carried out with eyes open and a notepad in hand (or chalk on wall etc.) so that 'work to do' can be written down – lest you forget. Start cleaning by removing the bulk of caked-on grass, mud and the like with a knife, scraper or stiff brush – a putty knife or masonry paintbrush are ideal. Remove guards and clean behind them, cut away any long grass or string left around shafts, empty bins, lockers and any recesses in the cab. Having done the 'rough' it is usually easier to complete the clean with a hose or pressure washer. Oily deposits are best removed with hot detergent or a special cleaner such as Gunk – obtainable from motor accessory shops. Note any oil leaks before washing for later repair.

Routine servicing
If you need to change oils, drain while still hot as this gives fastest draining with minimum sediment left behind. Fresh oil will provide the best protection when full strength inhibitors are included and the engine should be run briefly to circulate these mineral properties. Check all oils not just for level but also for contamination, particularly with water, for water in fuel or hydraulic oil can have expensive consequences. Fill diesel tanks to the brim, for this really does minimise condensation in the tank. Make sure that you have winter grade diesel fuel – it has an anti-waxing additive to prevent freezing.

Petrol engines will probably need new plugs – but make sure that you fit the right length and gap. Check or replace leads; for cracked insulation – often unseen – causes...
The efficiency of today's highly engineered lawn mowers and quality of cut can only be maintained with correct and accurate grinding of their cylinders and blades.

The 'Leader' range of grinders not only achieves this but offers many features unequalled on any other machine, making them the ultimate in lawn mower grinders.

At the heart of a 'Leader' is a solid free standing frame with a cast iron bed and 2" precision ground guide rails that ensures an accuracy of less than 0.005" in 30 inch in straightness, whether grinding insitu or out of frame.

Coupled with this, great emphasis has been placed upon operator safety with a self contained coolant system, fully enclosed canopy that reduces noise and dust levels to a minimum and safety cut out devices that allow the operator to leave the machine whilst on automatic operation with absolute confidence.

For a demonstration and further details contact: Linda Bottomley
Mowers will need resharpening and a timetable should be set for this so that it is done well before they are required

19 many irritating non-starting problems. Clean or replace all filters – they are a cheap protection.

As most engines are liquid cooled, this means checking the coolant (which is usually a 25%-30% anti-freeze solution) and as this includes corrosive inhibitors, it is better than leaving the machinery empty.

Checking the level is easy, though checking the efficiency of the mix is more difficult and needs either a hydrometer (preferred) or testing by syphoning some off into a plastic bottle, inserting a steel nail and leaving in the freezer. If the nail goes rusty, and/or the liquid freezes, then you had better be quick and renew your anti-freeze!

Grease or oil all lubrication points, which should remove any water impelled into bearings etc while washing. Beware, however, of sealed bearings, for over enthusiastic application may push the seal out.

Check that all adjustments are working freely.

Mowers will need resharpening and a timetable should be set for this so that it is done well before they are required – we don’t yet know if we shall have an early spring. If these are sent away, ensure that the cutting edges are protected from rust when they return. Flails and rotary blades may not be as critical where rust is concerned, but will still benefit from being sharp.

Such sharpening is a simple DIY task which requires patience if the blade is not to be ‘blued’ and ruined – the old fashioned whetstone is safer.

Preventative maintenance

This is ‘model advice’ seldom acted upon, but if carried out diligently can really save time and breakdowns when you are most busy. The secret is to look for wear – wear on belts, in bearings, on chain and sprockets, on hoses and anywhere else that takes the rub. Loosen each belt and ...
Golf Course Construction

- New Golf Courses
- Alterations
- Drainage
- Irrigation
- Sand Slitting

Scandor
Hensting Lane
Fishers Pond
Nr Eastleigh
Hampshire SO5 7HH
Tel: (0703) 692422
Fax: (0703) 601555

Sports surface technology

- WINTER TEES. Sand filled artificial grass with shock pad and frame. Replaceable driving inserts. Spacious tees at competitive prices.
- GOLF DRIVING RANGES. Top quality driving mats. Best available - best prices.
- SPECIALISTS IN DRIVING RANGE SURFACES AND ALL EQUIPMENT.
- ALL-WEATHER PUTTING SURFACES.
- DRIVING BAYS FOR CLUB & HOME. Complete frame and net enclosures.

Artificial sports surfaces and associated equipment for a complete range of sporting and leisure activities.

Your Favourite Wood on the Course

Lister outdoor furniture is made from solid hardwood, the obvious choice for golf courses where quality and comfort are expected to be well above par. Built by craftsmen, the Warwick Seat and Chair, the Mendip and Boulevard Seats and matching Lister Litterbins have been designed in solid hardwood to complement their surroundings, mature elegantly with age and yet fit the most modest budget.

And there’s no better place to watch the birdies from.

For a discussion or free brochure please ring: (0323) 840771 or fax: (0323) 440109

Green Brothers (Geebro) Ltd
Hailsham BN27 3DT

Safety First

- Handles Equipment up to 500kg
- Easy to use
- Safety Lock
- Choice of working height
- Robust Construction

SISIS Pneumatic pneumatic work tables have been designed to assist those who repair and maintain grass cutting equipment, compact tractors, ATVs and all other maintenance machinery.

For fully illustrated details or a demonstration, write to:
SISIS
Shorescliffe Works, Hulley Road, Macclesfield, Cheshire SK10 2LZ
Telephone: 0625 503030 Fax: 427426
‘Getting an estimate in writing can save later dispute. Leaving work open-ended is like writing an open cheque’

21 – chain and check the bearings. Rollers, chains should have every link free, every roller present and minimum lateral ‘bend’. If replacement is fairly quick and easy – as with chains and belts – it may be sufficient to put the new part into stock ready for the fateful day. Bearings should always be replaced if they are the least bit suspect as they deteriorate rapidly and can be difficult to change in a hurry without special pullers.

Hoses are liable to go with little warning and inspection for chafing, severe kinks, missing fastenings or damaged unions will help pre-empt future problems and perhaps an embarrassing leak on a green. Guards are another ‘problem area’ which are ideal candidates for a little preventative maintenance – get replacements for those little rubber toggles. The Health and Safety Executive are getting less tolerant about guards not in place.

Most of these tasks can be carried out at convenient times, though it is all to easy to leave them until you ‘get around to it’ and when it is cold and miserable you don’t often get ‘a round tuft’ before the grass starts growing under your feet. The simplest reminder is chalking a list of jobs to do upon the wall.

Repair and overhaul

Major jobs, or those which you won’t get around to, may have to be sent to the supplier. Getting an estimate of the work and its cost – in writing – can save later dispute. As argument can get quite acrimonious it helps to record (in a duplicate book) what has to be done before a machine goes off, attaching the top copy to the machine in a plastic envelope.

Leaving work open-ended is like providing an open cheque: of course your dealer is honest, but were your orders unambiguous or did you just say ‘service’? When it comes to radical overhauls it may be better to buy new and it is possible, given time, to strike some good deals – especially if the dealer has time to take your old machine in, prepare it for resale and find a market.

Nevertheless there are many Clubs that have the manpower skills and facilities to undertake major work. For them the first problem may be to obtain all the parts, and in this era of de-stocking and minimum stock levels this may take time. Even quite long-established dealers are finding parts supply more difficult. Getting parcels by TNT or Overnite adds to the cost – so allow time.

Where parts are removed pending repair ensure they are stored safely in a box, or perhaps still in place with nuts finger tight – this way you won’t forget where they belong or how they fit.

Storage

For longer term storage it will pay to undertake a little extra work such as removing belts and chains, inhibiting all shiny parts – including the engine – removing battery and blocking-up off the wheels. Belts are best stored in a Hessian sack hung up in a dry, airy place, chains are ideally stored in a tin of oil or oiled in a plastic bag, though second best is to spray them with chain lubricant and keep in place. Aerosols of de-watering/rust inhibitor are available, but a jar and old paint brush is much cheaper and often more effective – just try and spray the edges of a mowing cylinder! With small engines pay attention to the valves, for stuck valves and rust may be possible to spray or trickle inhibitor or oil through the plug hole. Being self-charging, batteries prefer regular use, but if they cannot be used elsewhere, just re-charge and smear the terminals with Vaseline, which unlike oil or grease conducts electricity.

Some still prefer to keep a machine mobile and run it at regular intervals – say monthly. If so, keep tyres slightly above pressure rather than blocking up. Petrol loses its aromatics with storage, so it is best to empty the carburettor. If the empty tank is steel, a swill round with oil should inhibit rust.

FENDRESS™ BRITAIN’S No. 1

NOW AVAILABLE: FENDRESS SUPERFINE AND SPECIAL ECONOMY TOP DRESSING

- Finest Quality soils
- Minimal clay and silt fractions
- Washed lime free silica sands with correct particle size
- The correct pH to encourage fine grasses
- Consistent quality for over 10 years
- Delivered ready for immediate application
- Root zone mixes, made from the same high quality materials. Delivered ready mixed or separately for blending on site.

Also available: Top Dressing Sands, Bunker Sands, washed grit or kiln dried sand for verti-draining.
All dressers

Insist on maintainable quality in your top dressing, says PETER JEFFORD. Find the product you like – and stick with it.

The first consideration a greenkeeper should have in mind when obtaining top-dressings is consistency of quality. He should retain that consideration! There is no benefit derived in applying layers of different types of top-dressings and given that a suitable and effective dressing has been located – one which by experimentation has been found eminently suitable for his course – the same dressing of the same quality should be used year in, year out. This will then provide a consistent growing profile for roots on greens which might otherwise form a pan layering, which in turn will influence the conductivity and retention of water, soil aeration and rooting.

In an ideal world the wise greenkeeper will attempt to use the same supplier, one who can guarantee a consistent and repeatable product each time and deliver it promptly. In addition, I would advocate the application of top-dressing on a little but often basis, rather than the almost traditional large bulk applications in spring and autumn. This little and often procedure will help the dressing to be incorporated more quickly into the soil and reduce the aforementioned soil layering, with the added benefit of minimum disruption to play – an important consideration. I should add that my advocacy of little and often is now becoming very much more a trend and is to be applauded.

The type of sand used in top-dressing is vitally important and should contain virtually all particles within an 0.125 and 0.5mm size range, this being the traditional British system. Increasingly, advisors are now specifying 0.25 to 0.75mm size range, though the main criteria for the reader to remember is that the majority of particles should fall within the medium sand range and that the mix provides the correct balance of pore space and desired infiltration. In stating that, it should also be noted that whilst particle size and range are vital, one should be aware that sands differ also in shape, mineralogy, colour and lime content and these are additional factors which will influence the quality of the product. Some sands are excellent for top-dressings whilst others are quite simply useful only for mixing with cement.

Top-dressings and rootzones should therefore comprise a high proportion of sand in the mix, as this will assist with the control of aeration, infiltration, percolation and water retention. The next consideration is the very soil used in the mix itself, a point of major importance. Whilst sand in the UK is still plentiful, suitable good quality topsoils are less readily available and care must be exercised in ensuring that soil from building sites is not used, for in most cases this will have been completely destroyed by heavy machinery. The best topsoils for top-dressings whilst others are quite simply useful only for mixing with cement.

Top-dressings and rootzones should therefore comprise a high proportion of sand in the mix, as this will assist with the control of aeration, infiltration, percolation and water retention. The next consideration is the very soil used in the mix itself, a point of major importance. Whilst sand in the UK is still plentiful, suitable good quality topsoils are less readily available and care must be exercised in ensuring that soil from building sites is not used, for in most cases this will have been completely destroyed by heavy machinery. The best topsoils for top-dressings and rootzones are those with a very low silt and clay content, whilst retaining the correct particle size distribution and the appropriate pH.

One of the most important factors, often overlooked, is the organic matter content of the soil. Normally, most greens contain too much...
Organic matter, with greenkeepers spending much time and energy in attempting to reduce it. If you start by applying a top-dressing with a high organic matter – say above 5% – you will immediately begin to overdose the organic content in your greens and thus defeat one of your principle aims, that of controlling thatch build-up. As a general rule of thumb, around 1% – 2% would normally be an acceptable level in a golf green top-dressing. Thinking along these lines, do you know the organic matter of your current top-dressing? Natural soil is largely made up of four parts:

**Mineral matter:** This is formed by weathering of rocks and parent materials.

**Organic matter:** This is mainly humus, which arises from dead vegetation and supports the living population of microorganisms within the soil.

**Soil moisture:** This is essential for plant growth.

**Soil air:** Adequate aeration of the soil is necessary for optimum root growth and retention of soil microorganisms. Plants should have an acceptable level of each of the above.

Now let us turn to terms used to describe some soil properties:

**Soil texture:** This describes the physical behaviour of soil and depends upon the proportion of different sized particles. Thus soil with a high clay content would be classified simply as a clay soil.

**Soil structure:** This refers to the manner in which the particles are organised. Damage to soil structure is usually caused by heavy mechanical equipment used in construction, or by other forms of traffic movement.

**Pore space:** This is the space between the solid particles of soil. Pore space is available to both air and water, with large pores being air filled and small pores usually water filled.

Summarising at this stage, the reader should remember that the least desirable components for golf course top-dressing and rootzones are high clay or silt, these materials being especially prone to compaction and high moisture retention.

Now let us look at some of the procedures used in the processing of top-dressings at our quarry.

The separator washes and grades the sand, all vegetation is removed and the sand is then graded into coarse or medium/ fine particles. This is now ready for further screening and mixing with topsoil.

Following screening, the soil is placed in a hopper feed and conveyed to a heat treatment plant, where it passes through a specially designed kiln drum set at a controlled temperature of 120°C, a process which removes excess moisture and kills seedlings and harmful bacteria. This completed, the next stage is to immediately mix soil with sand while it is still hot. This material is then ready for its final stage, being fed into a further screen which enables both further mixing and removal of particles over 2mm.

The top-dressing is now ready for final delivery but as a final check, random samples are taken for analysis in our laboratory where particle size, moisture content, pH and organic matter are all examined to ensure consistency of quality. If the reader is unsure of any of the areas discussed, he should request an up to date analysis sheet, produced by an agronomist or soil scientist, one who is ideally independent of the supplier.

**Fairway dressing**

It may be more than passing interest for greenkeepers to look at top-dressing fairways. Whilst this may not have great significance for many courses, such applications can provide a method for improving problem fairway areas and it should be noted that in the USA this is now an accepted and successful programme. When considering such action, it may not always be necessary to dress with a sand/soil mix, for in some instances a sand only application will prove beneficial, depending on the problem presented and the solution sought. If, for example, drying out is a problem, a sand/soil mix with a little peat would be recommended, whilst if ball plugging on fairways is an annoyance a high sand content would be preferable.

The benefits of dressing fairways include tighter turf, easier mowing when wet and improved drainage and/or moisture retention. Fairway top-dressing may provide just the solution to problem areas and is a cost-effective way of improving conditions in just the same way as on greens, the target again being density, uniformity, smoothness, firmness and resilience. A high sward density is vital to hold a ball in the ideal striking position, a thin turf being undesirable because of the 'nestling down' of a golf ball.

**Construction rootzone**

Over the past few years the demand for rootzone material on new course construction has increased dramatically, with its selection critical to long-term good performance of the putting surface. For those involved or about to embark down this route, a few words of advice.

In the first instance I would underline the importance of making an on-site visit to the supplier/quarry to inspect rootzone material prior to delivery. Checks should be made on consistency of particle size, organic matter content, pH, water content/air porosity/total porosity, bulk density and hydraulic conductivity. If these terms are foreign to you, take along your agronomist, architect, site engineer or clerk of works. Once satisfied, ensure that the self same mix will be readily available and stick with both mix and supplier. Make regular random on-site checks upon delivery.

Final summary suggests the following: Find the top-dressings right for your course and stick with it. Cultivate greater awareness by demanding more technical information. Ensure the supplier has sufficient reserves to maintain supplies for many years to come and insist on total, maintainable quality.
JOSEPH ARNOLD & SONS LTD

Billington Road
Leighton Buzzard
Bedfordshire
LU7 8TW
Phone: 0525 372264
Fax: 0525 851620

ARNOld
SANDS FOR INDUSTRY

TOP GRADE
TOP DRESSINGS
LIME FREE DRIED & WASHED SANDS
LIME FREE MOIST & WASHED SANDS
24 HOUR BULK DELIVERY SERVICE

FINE TURF TOP DRESSING
A GUARANTEED HIGH QUALITY TOP DRESSING BLENDED TO CLIENT SPECIFICATION

- A controlled mix of sandy loam mineral soils & washed river sand to aid fertility & facilitate aeration & drainage.
- Fortified with copper & zinc for increased resistance to fungal diseases & a faster recovery rate for affected greens.
- Low pH encourages growth of selected grasses.
- Iron content hardens sward & greens without flush growth.
- Will not layer out & cause root break.
- Easy to apply & spread without dusting.

For full details and samples contact:

MIDLANDS & SOUTHERN ENGLAND
J&S THAMESIDE LTD
Tel: 0708 861194

SCOTLAND & NORTHERN IRELAND
AGRIpro
Tel: 0257 278861
If you are a 'computerised greenkeeper' the new easy-to-use Datachem computer software launched by Rhone-Poulenc at IOG, will be of special value. The package is filled with beneficial features to assist the pesticide user, simplifying calibration of knapsack, power sprayers and granular applicators whilst calculating precise product and water levels and quantities per fill. A detailed advisory/legislation section on all aspects of legislation to pesticide use in the UK is included, as is information on pests and diseases and conversion tables (metric to imperial and vice-versa). Information entered is automatically stored and all sections can be printed-out. Datachem operates on all IBM compatible computers and is available with full instructions. Price is £286. Tel: 0277 261414.

Allett Mowers have chosen two Kubota GH series OHV petrol engines to power their new commercial mower - the Buffalo. Kubota's GH120 3.7 hp petrol engine is fitted to the Buffalo 20" whilst the 24" and 27" machines have the 5.5 hp GH 170. Mechanical decompression is standard on both engines, giving a 40% lighter pull tension than conventional side valve units and a reduction in vibration of 10%. Tel. Kubota: 08421 4500 or Allett: 0536 68950.

Hayter Beaver's recently launched computer-linked direct spares ordering system has created great interest.
COMING UP

The Greenkeeper International
guide to forthcoming events

November 6th: BIGGA South West and Wales Region Seminar – Cannington College.

November 6th: BIGGA South East Region Seminar – Merrist Wood College.


November 13th-14th: Scotsturf IOG exhibition – Inglesloot, Edinburgh.


November 20th: BIGGA Midlands Region Seminar – Warwickshire College of Agriculture.

November 27th: ILAM Southern Region Seminar – Sparsholt College.

December 10th: STRI South of England Seminar – As November 12th – Hatfield Lodge, Hertfordshire.


January 20th-24th: BIGGA Turf Management Exhibition & Seminar, Harrogate.

February 4th: STRI Ireland Seminar – As November 12th – Milltown GC. Dublin.

February 11th: STRI Wales Seminar – As November 12th – Caer Beris Manor, Builth Wells.

February 12-19th: GCSAA Exhibition and Convention – New Orleans, USA.


April 25th: BIGGA South West and Wales Region Trade Show WESTURF ’92 – Bristol.

Send entrys for this column to The Editor, Greenkeeper International, 13 Fire Close, Seaford, East Sussex BN25 2HL or fax 0523 893593.

NORTH WALES

May I first say one thing – we do exist! Our second Autumn Tournament was held at Portmadog GC on October 1st, and under quite difficult conditions too, though we did at least stay dry. I’m sure I speak for everyone in saying what a great time was had by all, especially me, as I won a bottle of scotch!

Thanks must go to everyone involved, especially Terry Adamson for all his hard work behind the scenes, and to our sponsors: Gem Professional, Sisis, Richard Campy, Monmersteeg, Fraser Turf, Major Owen, Ritefeed and Walker Engineering. Without these good folk, and of course Portmadog GC and Gareth (Bronco), we would be the poorer and we are most grateful. We also enjoyed a bit of fun, with our dinner interrupted by the splendid intrusion of helicopter rides, courtesy of Ritefeed!

RESULTS: 1st Mark Proctor 83-10=73 (on countback) 2nd Jason Moody 79-6=73. 3rd Roger Kerry 77-4=73. Guest Alex Clegg 93-22=71. Booby: John Osman 115 nett – yes, nett!

Our first AGM was held following the prize-giving and sadly Pat McAtee resigned as secretary, due to an ever increasing workload. Norman Pearce remains as chairman and David Proctor as treasurer, with yours truly now having taken the post of secretary. Final dates and venues for winter lectures will be available soon and I would ask you to note my numbers for any enquiries or information you may have: Mark Proctor: (home) 0829 733060 (work) 0829 732251.

We will be holding a Christmas golf day at Portal on December 11th, tee-off between 10-11.30 am, with cost at £12 for members, £14 for others.

This will include coffee and biscuits on arrival and an evening meal. Enquiries for this event to Terry Adamson on 0978 852908, and do remember that places are limited so early booking is advisable. Please no later than December 1st, and please do your best to support this event, even though it may not be the best time of the year.

Finally, my thanks to all who made the Autumn Tournament a success by just turning out – 55 was an excellent number and we must strive to keep numbers up.

MARK PROCTOR

SOUTH WALES

I am pleased to inform members of our December Competition, as follows:

Date: Wednesday December 4th
Venue: Royal Winchester GC.
Format: 18 hole Stableford.
Tee off: from 12.30 onwards.
Fee: £13.00
Closing Date: November 25th.

All applications with correct fee to Joe Burdett, 40 Church St. FONTWELL, MAGNA, Shaftesbury, Dorset SP7 0NY. Tel: 0747 811439. My thanks to Rigby Taylor and New Forest Machinery for sponsoring this competition.

Following the above, at 4pm will be the Section AGM. A member of the BIGGA Board of Management from our region will be in attendance to answer questions and outline the work of the Board.

The section committee must be elected each year at our AGM and I would welcome nominations. Please ensure that each nomination has the consent of the nominee and a proposer and seconders. Resolutions and Agenda items are also invited – please submit before November 25th.

If you are unable to take part in the competition you can still attend the Christmas Dinner, which will be served at about 5.30pm. The cost will be £11.60 and your cheque should be sent to Joe at the above address.

An afternoon talk – by Peter Jofford of Rufford Top Dress Supplies Ltd, on Top Dressings, Applications and Materials – has been arranged at Came Down GC, Dorchester, on Wednesday January 15th, starting at 2pm. This will be the second year that a presentation has been arranged at Came Down and your support will be most appreciated. Refreshments will be supplied by Ruffords at 3pm. For further information call Stephen Hall, Head Greenkeeper, Came Down GC, at the course on 0505 820289.

BOB DENNIS

BUCKS, BERKS & OXON.

It is with great relief that I can at last report BB&O have won a golf match! We took on the Mid-Anglia section in a titanic struggle at the superb Berkhamsted course and came away with three wins and two halves, the nearest to defeat coming from our answer to Calcavecchia, myself and Dave Goodchild, going from 3 up with 5 to play to a shaky halved match!

The match was played in excellent spirit and we look forward to a return in ‘92. Thanks especially to Gerald Bruce and his staff at Berkhamsted and to our Captain, Dave Childs.

May I also offer apologies to Mid-Anglia and the Club for any misunderstanding in play format, which may have meant that our presentation was not all it might have been.

Apart from the Mid-Anglia match, our events calendar has been quiet – for the better perhaps – for we have almost a congestion of fixtures coming up. Topping the list is the Turkey Trot at Frilford Heath combined with the AGM. We are out to beat the 1990 turnout of 75 and will be especially pleased to welcome candidates for committee – come on, join the merry band! Entry forms should be with you by now, but if these are missing from your desk, call Bob Woodward on 0628 664512.

May I remind you all to attend the regional seminar at Warwick College on Nov 20th. Don’t miss this seminar – it will surely be a
John Scotney has done a great job at Sleaford, worker on the course, having always shown a reduced by six shots between his entry and the corner to us as a golfer. His handicap was especially on his greens and other areas where he has been permitted to apply water. The torrid summer has been a difficult time in this area for those courses built on sand, but it resulted in our favour to give a halved match - Phew! Many thanks to this Wiltshire Club for once again giving us not only the courtesy of the course but also making us feel so welcome.

The winner was Paul Cole, who is a new-comer to us as a golfer. His handicap was reduced by six shots between his entry and the competition and I am sure we shall hear more from this fine player. David Hornsey tied with Paul on 39 points but lost out on back nine countdown. Also-rons were D Wells, C Mcdonald, G Dolan and R Owens. Guest prizes went to Mick Key and Ted Lake. A tasty meal was provided in the clubhouse, followed by presentation of prizes by the captain, who is having a sabbatical year from his usual duties as club secretary. In his speech, Mr Harris outlined how he saw BIGGA as an essential part of the Club set-up, with everyone working as a team.

Christopher Squires, who was assistant head at Belton Woods has moved up to head greenkeeper status at Rutland County G&CC, a new development where seed has just been sown. Congratulations Chris., may the job go well!

GORDON MITCHELL

THE BIGGA AWARDS

WINNER: Ian Marshall 70-3=67. Class results (all net) Handicap 1-9, Phil Reffin 68, Richard Barker 75, Paul Sewell 76, Handicap 11-18, Phil Jennings 68, Paul Malia 70, Graham Arnold 73. Handicap 19+ Anthony Bindley 69, Mark Bindley 71, Mike Billings 77. Trade/Associate, Joe Barsby 64, Len Atewell,68 (green chairman). Longest 'drive - 645 yards! Dave Leatherhead. Hole in one - Dave Bagshaw. Dave is head greenkeeper at Stanton On The Wolds and if you want a drink on him, call in!

Porthcurn events not to miss include the Regional Seminar at Warwickshire College, Moreton Morrell, on November 20th, the Section AGM at Lingdale GC on November 25th and a Christmas Bring And Win at Birstall GC on December 18th.

AROUND THE GREEN

EAST MIDLANDS

The results of the Autumn Tournament, played on September 19th at Rushcliffe GC on a grand course in sparkling condition (thanks to Phil Bett and the Club) are as follows:


Forthcoming events not to miss include the Regional Seminar at Warwickshire College, Moreton Morrell, on November 20th, the Section AGM at Lingdale GC on November 25th and a Christmas Bring And Win at Birstall GC on December 18th.

GORDON MITCHELL

EAST OF ENGLAND

The Rigby Taylor Trophy was played for recently at Seaford GC, a warm welcome being extended to us by the Seaford committee representatives - Club captain, Brian Harris and green chairman, Ted Lake. Ted is a retired businessman and a tireless unpaid worker on the course, having always shown a keen interest in our affairs. The Rigby Taylor rep. was Stewart Jeffs of the East of England area.

The torrid summer has been a difficult time in this area for those courses built on sand, but John Scotney has done a great job at Seaford, especially on his greens and other areas where he has been permitted to apply water.

The winner was Paul Cole, who is a new-comer to us as a golfer. His handicap was reduced by six shots between his entry and the competition and I am sure we shall hear more from this fine player. David Hornsey tied with Paul on 39 points but lost out on back nine countdown. Also-rons were D Wells, C Mcdonald, G Dolan and R Owens. Guest prizes went to Mick Key and Ted Lake. A tasty meal was provided in the clubhouse, followed by presentation of prizes by the captain, who is having a sabbatical year from his usual duties as club secretary. In his speech, Mr Harris outlined how he saw BIGGA as an essential part of the Club set-up, with everyone working as a team.

Christopher Squires, who was assistant head at Belton Woods has moved up to head greenkeeper status at Rutland County G&CC, a new development where seed has just been sown. Congratulations Chris., may the job go well!

COLIN SWINGLER

SOUTH WEST

It was a pleasure to return to Salisbury and South Wilts for the annual 'crunch' match against the South Coast last month. Despite a thunderstorm (which just missed us) and a spell of heavy rain (which didn't), the blend of very last game came down the wire, confident of the result that he didn't bother to countback. Also-rons were D Wells, C Macdonald, G Dolan and R Owens. Guest prizes went to Mick Key and Ted Lake. A tasty meal was provided in the clubhouse, followed by presentation of prizes by the captain, who is having a sabbatical year from his usual duties as club secretary. In his speech, Mr Harris outlined how he saw BIGGA as an essential part of the Club set-up, with everyone working as a team.

Christopher Squires, who was assistant head at Belton Woods has moved up to head greenkeeper status at Rutland County G&CC, a new development where seed has just been sown. Congratulations Chris., may the job go well!

COLIN SWINGLER

SOUTH WEST

It was a pleasure to return to Salisbury and South Wilts for the annual 'crunch' match against the South Coast last month. Despite a thunderstorm (which just missed us) and a spell of heavy rain (which didn't), the blend of ten new holes and eight old ones made for an extremely interesting and enjoyable afternoons' golf. It really is "hats off" to the architect and constructors, who have made the very best of the available ground.

The S.W. captain, David Everett, was so confident of the result that he didn't bother to bring the trophy and was left to sweat it out as the very last game came down the wire, resulted in our favour to give a halved match - Phew!

Many thanks to this Wiltshire Club for once again giving us not only the courtesy of the course but also making us feel so welcome.

Thanks also to the steward for an excellent meal and to Kerran and his staff for preparing the course.

The Winter Lecture Programme will be announced next month, but in the meantime I'll look forward to seeing you all at Shirehampton Park for the Veals Lawnmowers Christmas Tournament.

PAUL WORSTER

NORTH WEST

Our Autumn Tournament over 27 holes of medal play was held on Sept. 19th at my own home course of Whickham GC. On this occasion it was a case of George Atkinson thanking me and my staff for the excellent condition of the course, also the committee for granting us courtesy and to Rose and Bob for a superb meal - it was all good stuff!

Thanks extend beyond us mere locals to the following sponsors: Ryton Gravel Co., Shorts of Whitchurch, Maxwell Hart, Sisews, Stewards of Edinberg, Thompson Quarries, STS and Karsway and to Jim Crombie of Whickham GC. Also a special thanks to Peter Little of Dixons of Hexham for providing a barbecue as prize for nearest the pin on the 13th. also to local Clubs: Whitley Bay, Alnmouth, Northumberland, Wearside, Prudhoe, Stocksfield, Consett, Arcott Hall, Newcastle United. Finally, thanks to our chairman for BIGGA North East, Richard Crane.

Results: Winner and low gross - Tony McIlrue (Whickham GC) 69+33=102. Nett and winner of Ransomes Cup- Glen Baxter (South Shields GC, hcp 15) 69+32.5=101.5. First division and winner of the Greenlay Cup - Jimmy Richardson (Whickham GC, hcp 6) 68+35=103. Second + division and winner of Fewsters Cup - Brian Hughes (Whickham GC, hcp 24) 66+36=102. Other scores: M Simpkin (Parklands GC) 104. C Parkinson (Tynside GC) 104.5. I Patterson (Gosforth GC) 105. R Bell (Slayley GC) 105. K Monaghan (Gosforth GC) 105. Thirty five players took part and the weather was excellent, which made us Whickhamites well pleased, along with our scintillating play and a demonstration in 'local knowledge makes good' - Howay the lads!

PAUL WORSTER

JIMMY RICHARDSON

GOLF COURSE SIGNS

Designed to your own specification. Strongly manufactured. Maintenance free, chip resistant, club motif if required.

Choice of colours

Ring now and just let us know what you need

A C & M Birch Ltd
Golf Signs
Unit GH1, Platts Lane,
Burscough, Lancs. L40 7TE

Telephone: Alan Birch 0704 896177/892997

GREENKEEPER INTERNATIONAL November 1991 29
result was a draw, but we retained the trophy as holders from 1990. Well done lads! Grateful thanks to Pattisons for their continued sponsorship, Crossland Heath for courtesy of the course and especially Phillip Haigh and his team for a superb course in excellent order.

Our section did well in the 1991 Iseki at Hillside, with the Northern region winning the team prize and Telford Jarvis (Scarfford's very own champion, and ours too) taking the premier trophy. Well done Tel!

You should all have received details of our winter lecture programme and should this not be the case, or if your address has changed, call me. All our lectures are held at West Bowling GC commencing at 7.30pm with the following scheduled: November 6th – Chairmen Forum. December 4th – Ruffords on Top Dressing. January 15th – Munro on Spraying and CDAs. February 11th – Quiz and Social evening with IOG colleagues at Headingley Cricket Club – 7.30pm.

Also on December 11th – Winter golf at South Leeds GC – names and deposits to myself or Mel Guy (0552 522739) please.

Our last winter event will be a trip to Lloyds of Letchworth, with places being limited and filled on a first come first served basis. Likely cost will be around £10-15.

The Northern section will again be heavily committed at BTME in Harrogate during January 22nd-24th. If anyone can spare an hour or two for stewarding, please let me know.

The section AGM will be held at South Leeds GC, following the above mentioned Winter golf on December 11th, starting at 7pm. This year there will be a change in committee election procedure, with all nominations for president, secretary, treasurer or committee to be sent to the secretary – that's me, Bob Lupton – one month prior to the AGM.

Local news now, with the good news being that Richard Sharrock of Kightly GC has gone into partnership with EFG of Halifax. We wish him every success in this venture. The not-so-good news is that long-standing committee member Colin Garnett of Garforth was taken ill whilst on holiday recently. I understand he is on the way to recovery and I'm sure you will echo my wishes for his speedy return to good health.
Aeration

AERATION & DRAINAGE SERVICES

For Hire: Hydrosport, Herb Drains and Turf Conditioners; etc.

Contacts: Paul or Lestey Wright, Aeration & Drainage Services. 20 Westminster Close, Eastbourne, Sussex BN22 0LG.

Tel: (0232) 567825
Mobile: (0850) 832324

Artificial Grass

ARTIFICIAL TURF

For Golf Greens Permanent Tees

GOLF MATS

For Driving Ranges and Courses

Filtoflex Ltd

139 Gloucester Terrace
Bayswater, London W2 6DX
Tel: 071 262 6159
Fax: 071 262 0170

Compaction

THE PROBLEM... COMPACTION

THE SOLUTION... T W O E 3 O R 7 L E G T URF CONDITIONER

Nationwide hire from

PROFESSIONAL GRASS CARE

Ring for more information on grνed hire equipment

Tel: (0257) 606989
Fax: (0257) 606989

S. E. DAVIS & Son Ltd

Specialists in mixing USGA spec sand/peat Root Zone mixes.

Plant Hire available with drivers experienced in Golf Course Construction.

Multi-belt Powerscreen with shredder available.

Please contact:

ANDY DAVIS
(0527) 892343/892716
Mobile 0831 268547

R. A. SLEATH & SON

GOLF COURSE CONSTRUCTION AND DRAINAGE

Specialising in Golf Greens

Work undertaken for many leading

Golf Course Architects

Distance no object

Contact: Geoffrey R. Sleath
Tel: Rotherham (0709) 862109 or 862075

Course Accessories

WHY DOES TACIT'S FLAGPOLE LAST TWICE AS LONG?

The most cost-effective way of reaching readers of Greenkeeper International.

Simply ring 03473 581/2 and ask about an alphabetical category listing: the cost starts from the equivalent of under £21 per month.
Top grade top dressings

Lime free, dried or moist washed sands
Bulk 24 hour delivery

Arnold

Sands for Industry

Joseph Arnold and Sons Ltd
Billingham Road, Leighton Buzzard
Bedfordshire LU7 BTW
Telephone: 0525 372256
Fax: 0525 372245

Ecc quarries

Complete range of dried graded siliceous sands for all purposes
Contact John Deavin at 39 Hockliffe Street, Leighton Buzzard, Bedfordshire LU7 8NN.
Tel: (0525) 372201.
Fax: (0525) 372222.
Telex: 825686

The leading supplier of
Moneystone

Britain's most popular, top quality bunker sand
1a Clifton Street, Alderley Edge, Cheshire
Tel: Alderley Edge (0625) 384711/585143.
Fax: (0625) 386330.

Crow Sand and gravel LTD

Part of Gables Group
Specialists in all types of sand and gravel contact:
Dick gunn
At The Gables, Stanstead Road, Elsenham, Essex, CM22 6LJ
Tel: 0279 647647.
Fax: 0279 616627.

Moneystone bunker sand
Granular and free draining.
Delivered loose bulk, all parts.
For cheapest prices contact Jim Burrows at M & B supplies Paynter Street, Fenton, Stoke-on-Trent, Staffs ST4 3JL.
Tel: (0782) 598385.
Fax: (0782) 598174.

Arc buckland Industrial Minerals
Sand and Silica Company

Complete range of horticultural sands
Contact Lynda Jordan Buckland Sand & Silica Co. Reigate Heath, Reigate, Surrey RH2 9LJ.
Tel: (0373) 340151.

RMC

Suppliers of all grades of sand and gravel drainage media.
HALL AGGREGATES (South East) LTD
RMC House, Canning Street, Maidstone, Kent ME14 3RX.
Tel: (0622) 761281.
Fax: (0622) 767333.

Grades all

Gradeall international limited
Manufacturers of the SS100 Screener/Shredder
9 Farleigh Road, Dungannon, Northern Ireland BT71 4DT
Tel: 0657 608444 - Fax: 0657 484233.

Shelley signs limited

Entrance "H" Market & General Signs.
In spray durable glass reinforced plastic.
Kenton-ons-Sea, Market Drayton, Shropshire.
Tel: 0952 541483.
Fax: 0952 541576.

Moneystone turf

Artificial grass tee and putting surfaces from Carpeptition Ltd.
14 Kaffir Road, Edgerton, Huddersfield HD2 2AN.
Tel: (0484) 428777.
Fax: (0484) 423251.

Turf dressings

Bailey's of Norfolk

Suppliers of professional turf dressings for the profession.
Golf turf dressings

Approved formulations for use in Construction and on the finest greens, tees and fairways.
Sand

All requirements catered for including fine lime. Kiln dried sands available.
Screened top soil

Including the finest Black Fenland soil.
Screened to customers individual specifications.
We also produce and supply root zone mix and always have vast stocks of cockle shells for immediate delivery.
Deliveries nationwide

Bailey's of Norfolk

Brick Kiln Road, Haveringham, Norwich, Norfolk NR16 1NL.
Tel: 060 546 407.
Mobile: 0880 546 1403.

Boughton loam ltd.

For turf dressings root zone mixes

Screened top soils bunkers sands horticultural composts.

Telford Way, Kettering, Northants.
Tel: 0536 510515.

Rufford turf dressings supplies

British's No. 1 for quality service
Sheer value for money

Nucks Wood Quarry, Wiggins Lane, Rufford, Nr Southport, Lancs L40 1JU.
Tel: (0525) 232479.

Fen turf dressings ltd

Manufacturers and distributors of Fenpress also Prescription dressings Contact For Turf Dressings Ltd.
2 Angel Court, Dairy Yard, High Street, Market Harborough, Leicestershire, LE16 7NL.
Tel: Market Harborough (0858) 464264/433200.
Fax: (0658) 434734.

The finest quality top dressings for fine turf
1a Clifton Street, Alderley Edge, Cheshire.
Tel: Alderley Edge (0625) 584571/585143.
Fax: (0625) 586136.

Conwed turf reinforcement

For the fastest turf production.

West midland turf growers

Tel: (0740) 621 247.
Fax: (0740) 767321.

Greenkeeper International November 1991 33
**Classified**

**Turf Dressings**

Call Carol: Tel: (07677) 296 Fax: (07677) 7901

**THE BEST**

**TOP DRESSING WITH OPTIONAL SEaweED ADDITIVES**

Plus Bark, Fens and Meadow Loams, Silica Sands, Peat, Fertilisers, Manures and Grass Seed Mixtures

Manor Farm, Abbotsley, Cambs PE19 4UW

---

**For Sale**

**TRACTORS FOR SALE**

ISEKI 130 4WD low hours
ISEKI 2160 – low hours, choice of 2
ISEKI 318 – low hours, choice of 2
KUBOTA 4150 2WD
FORD 355 – 1984 in vgc
MF 250 – new cab vgc
MF 260 (250)
MF 20B (240)
CASE 1194 – 1985, only 600 hours from new c/w power loader and rear weight on agric tyres.
JOHN DEERE 755 – 1999 475 hours c/w front loader and rear backhoe – immaculate
All tractors on turf tyres, unless stated.

For further details and prices, contact Richard Campey, 0260 224568, fax 0260 224791.

---

**FOR SALE**

**SISIS Hydrocoring with twin adaptors.**

3 years old.

Very good condition.

£2,700 ono.

Tel: (0479) 83451

---

**Grass Cutting Equipment**

**CARONI ROTARY MOWERS**

* Versatility, simplicity and safety
* Advanced construction
* Cutting widths 1200, 1500, 1800 & 2350 mm
* Tough and compact
* Four extra large wheels ensure precision cut ranging from 25mm to 10mm

For further details tel: F.A.R.M. Ltd. Evesham (0386) 765770/442082 Fax (0386) 765183

---

**Machinery Hire**

**CONSTRUCTION MACHINERY and fully experienced operators for hire. UNBEATABLE RATES on JCB and PCOLAN**

Tel: 0734 775035 0851 392440

---

**Artificial Tees**

**ClubTee**

Installed at Wentworth
Recommended by Bernard Gallacher
Club Surfaces Ltd
The Barn, Bisham Grange, Marlow, Bucks SL7 1RS.
Tel: 0628 485969. Fax: 0628 471944.

---

**Soil Aeration**

**COMPAction? POOR DRAINage? POOR GROWTH?**

All these problems on Sportsfields, Golf Courses, Trials or Landscape areas are solved immediately with Terralift.

The proven Terralift system probes 30in deep to ameliorate areas of deep soil compaction and poor drainage - without damaging the surface. Soil conditioners and root feeds can be incorporated by the Terralift.

Contact Soilcare (incorporating Colin Pryce Terralift) Unit 3, Bush Farm, Napling, Ipswich, Suffolk. IP7 7BL.
Tel: 0449 741012

---

**Do You Have Stone And Debris to Remove?**

We have the equipment and experience to undertake all stone picking and associated landscape works.

All areas.

Contact RON JAMES Tel: (0334) 320239 Fax: (0334) 320703
COURSE MANAGER

South of England

For over 15 years Country Club Hotels have successfully operated quality golf courses and country clubs alongside first class hotels.

We are now seeking an experienced Course Manager to play a key management role at one of our hotels in the South of England. Within the overall brief of maintaining and improving our reputation for the highest quality golf, you will have responsibility for a dedicated team of experienced staff and control of a maintenance budget.

You must have a thorough knowledge of modern greenkeeping practices, wide experience of equipment, machinery and irrigation systems and have good leadership qualities.

In return, you can expect a competitive salary, pension scheme, meals on duty and other benefits associated with working for a major hotel group. To apply, please call Sarah Gaver on 0582 422022 for an application form or send a cv to Country Club Hotels, Whitbread House, Park Street West, Luton, Beds LU1 3BG.

FIELD SALES MANAGER

An opportunity has arisen for an energetic person to join a team of Sports Turf Suppliers and Consultants. The successful applicant must have a Sports Turf or Horticultural background and have previous experience in selling to Golf Clubs, Parks and Recreation Departments and Landscape Contractors. A location within Central Scotland would be desirable.

This position attracts a salary plus commission, along with a car and usual company benefits.

Please write including CV to:
Duncan McNab, McNab Sports Supplies/M&M Turf Products, The Muirs, KINROSS KY11 7AU

LANSDOWN GOLF CLUB

require a
QUALIFIED 1st ASSISTANT GREENKEEPER

For established course celebrating its centenary in 1994.

Experienced in all aspects of greenkeeping.

Please apply in writing with CV to:
The Secretary, Lansdown Golf Club, Bath BA1 9BT.
Closing date: 30th November 1991

Golf-Club Augsburg e.V.

GREENKEEPER

required

For 18 hole 30 years old prestigious course located in Bavaria, west of Munich.

Applications are invited from experienced Greenkeepers with a sound knowledge of course management, modern greenkeeping methods and course machinery.

Salary negotiable.

We will help to find accommodation.

Apply in writing with full CV to:
Golf-Club Augsburg e.V.
Engelshofer Str. 2
8903 Bobingen-Burgwalden
Germany
**Head Greenkeeper**

New Appointment  
Negotiable Package,  
South Wales

Established in 1931, Glynneath Golf Club sits in a superb National Park setting at the Southern entrance to the Brecon Beacons. The course has grown from 9 to 18 holes over the last 10 years and until now has been maintained by two full-time staff with part-time support. Our President Mr. Max Boyce has been a driving force behind massive improvements and the Club is the venue for the prestigious Max Boyce Classic. We now need an experienced Greenkeeper to take a key role in our continuing development.

With at least 5 years relevant experience and ideally with formal qualification, you will be able to show a significant success record in golf course maintenance preferably where sizeable change has been involved. Although you will have sound supervisory experience you will have a hands on approach towards getting things done and you will be well used to the broad flexibility needed in this type of position. We are ready to negotiate a suitable package to attract you to this beautiful area where the quality of life is high, house prices relatively low and coastal/city amenities are close at hand.

Applications, giving full career details, to,
Mr. R.M. Ellis, Secretary, Glynneath Golf Club, 'Briony', Ystradfellte Road, Pontneathvaughan, West Glamorgan.

---

**ERSKINE GOLF CLUB**

**HEAD GREENKEEPER**

A Head Greenkeeper is required for this prestigious 18 hole parkland course situated on the banks of the River Clyde, 15 miles west of Glasgow.

The successful applicant will hold relevant qualifications and be able to demonstrate an excellent track record in modern course management and maintenance techniques. The ability to communicate effectively and direct staff efficiently is essential, as is experience in dealing with suppliers and budget control.

A popular and busy course, the highest standards are expected and in reflection of this, an excellent salary and benefits package is on offer.

Applications enclosing a full CV should be sent to:

**The Secretary**

c/o Renfield Recruitment, 
180 Hope Street, Glasgow G2 2UE

---

**HANKLEY COMMON GOLF CLUB**

**invite applications for the position of**

**ASSISTANT COURSE MANAGER**

Applicants must have suitable qualifications and experience in all aspects of course management. A thorough knowledge of machinery and maintenance is essential, together with the ability to motivate and direct staff.

An attractive package which includes accommodation is negotiable depending upon experience.

Applications in writing to include full CV to the Secretary. 
Hankley Common Golf Club, 
Tilford Road, Tilford Farnham, 
Surrey GU10 2DD

---

**THE LEATHERHEAD GOLF CLUB**

**EXPERIENCED GREENKEEPER**

This 90 year old Surrey parkland course requires an experienced greenkeeper to join the team under Stewart McMillan, the Course Manager.

Applicants should be City & Guilds qualified or equivalent, have a sound knowledge of modern greenkeeping methods, including maintenance of machinery and irrigation systems.

The successful applicant should be capable of leading a team, after initial guidance from the Course Manager.

Salary negotiable, accommodation available for single person.

Please write, enclosing details of career to date, to:

**The Course Manager**, Letherhead Golf Club, 
Kingston Road, Leatherhead, Surrey KT22 0DP
THE WIRRAL LADIES GOLF CLUB LTD. require a
HEAD GREENKEEPER
For Eighteen Hole Heathland Course
Applicants must be fully experienced in all aspects of
greenkeeping and have a thorough knowledge of course machinery
and maintenance.
Must be prepared to work with, motivate and control staff.
No accommodation. Salary negotiable.
Applications including full CV and present salary to:
The Secretary, Wirral Ladies Golf Club Ltd.,
93 Bidston Road, Oxton, Birkenhead, Merseyside L43 6TS

STRANDHILL GOLF CLUB, SLIGO, IRELAND require a
HEAD GREENKEEPER
Strandhill is an 18 hole links built in beautiful sur-
roundings in the west of Ireland.
Applications are invited from Head Greenkeepers
and Assistant Greenkeepers for this position. Salary
negotiable. Accommodation may be provided.
Applications should be received in writing on or
before Friday 29th November 1991 and include a full
CV.
To: Course Manager, Strandhill Golf Club, Sligo, Ireland

GOLFCLUB BAD SALZUFLEN (Germany) requires a
GREENKEEPER
Our golf club is one of the most beautiful and well groomed 18 hole clubs
in Westphalia. The new greenkeeper will work in a team with four
colleagues and be in personal charge of the greens. Pay commensurate
with this responsible position. Knowledge of the German language is a
must. Please write, enclosing references along with recent photo, directly
to the secretary office of the:
Golf and Country Club Bad Salzuflen
Am Schwaghof
4982 Bad Salzuflen, Germany.
Telephone 05222 10773 or 05223 6930
Your application will be treated in strict confidence.

HANBURY MANOR GOLF COURSE DIRECTOR
To manage a prestigious Jack Nicklaus II golf Course. Applicants must be
fully experienced in managing USGA sand/bentgrass greens
with computerised irrigation systems.
The successful candidate will also have a proven track record of
maintenance to the highest standards and excellent staff management skills.
An Agronomy degree is preferred.
Salary is negotiable.
Apply in writing with full CV to:
Kate Synott, Director of Human Resources,
Hanbury Manor, Thundridge, near Ware, Herts SG12 0SD

THE NORTH WALES GOLF CLUB requires a
HEAD GREENKEEPER
The club is situated one mile from Llandudno town centre
and is an 18 hole links course founded in 1894.
6,132 yards, S.S.S. 69.
Applications are invited from experienced greenkeepers who have the appropriate qualifications and can demon-
strate a sound knowledge of course maintenance and
good organisational and management skills.
Please apply in writing with CV to:
Mr G D Harwood (Club Secretary)
The North Wales Golf Club
72 Bryniau Road, West Shore, Llandudno, Gwynedd LL30 2DZ
AROUND THE GREEN

30 quayside to cross The Clyde, a quantity of usquabae having been consumed from prize winning bottles of the nectar.

The hiring of a bus was a great success, the pleasure heightened by listening to passengers in full voice belting out ditties that have been associated with greenkeeping since the formation of our association. This was certainly a section meeting which will long be remembered by all those present, especially for its friendliness and camaraderie.

May we remind members that the West Section dinner looms just around the corner and is open to all greenkeepers, their friends and colleagues. Sloans Restaurant is the place to be on November 8th, with tickets still available from committee men, some trade members or direct from the secretary.

No date yet fixed for our section AGM, but members are reminded that an AGM is where your voice may be heard, where you may vote changes to administration and where your grievances may be put to all present and discussed. Most of all, it is the one place where all members of the West Scotland Section of BIGGA should attend.


GORDON KERR
and CECIL GEORGE

D & E TURF MAINTENANCE
TURF AERATION 'THE EASY WAY'

TORO HYDROJECT HIRE
FOR QUALITY SERVICE

Contact: Dave Stephenson
D & E Turf Maintenance,
St John's Schoolhouse, Central Parade, Shildon,
Co. Durham DL4 1DL
Tel: (0388) 778844
(0836) 376944
+++++NATIONWIDE SERVICE+++++

RFE Turf Machinery Ltd
Machinery to the Professionals
Wedglen Industrial Estate, Midhurst, West Sussex GU29 9RE
Tel. (0730) 815775. Fax. (0730) 815844

THIS MONTH'S MACHINERY SELECTION
Cushman truckster 3w - Petrol - choice
Ford 1210 c/w Front Loader and Back Hoe
Howard Price 1040 Rotary
Jacobsen 422D 4WD Flail (ex-demo)
Ransomes 180D Floating Heads RFE D/Con
Ransomes Certes – choice (new engines)
Ransomes Towed Gangs
Ryan 5 Greens Air MkIV
Ryan Turf Cutter JR12
Shop-soiled McConnell Aeration Equipment - only a few left at special prices
Twose Triple Roller

PRICES AVAILABLE ON REQUEST

RFE ARE PLEASED TO ANNOUNCE THAT WE HAVE BEEN APPOINTED UK DISTRIBUTORS FOR THE ALL-PRO DRIVING RANGE BALL DISPENSERS AND WASHER SYSTEMS

★ SPECIAL ★
Ransomes 340 TG Magna heads as new P.O.A.

NATIONWIDE SPARE PARTS SERVICE
For all main brands of professional machinery

★ SPECIAL ★
Ransomes 350D Floating Heads complete with cab P.O.A.

Main dealers for Allen - Easy Picker - Iseki - Jacobsen
We buy and sell - always willing to take part exchange

38 GREENKEEPER INTERNATIONAL November 1991
The time's come to make a firm commitment to your future. Complete and return the Pre-Registration Card in this issue and confirm YOUR intention to attend the BIGGA Turf Management Exhibition.

The 1992 BTME will be the most comprehensive event of its kind, giving you the opportunity to discover the full potential and diversity of greenkeeping and the fine turf industries.

Review the entire range of services and machinery from leading industry names.

National and international exhibitors, plus a wide selection of smaller but no less significant companies, promise to make the 1992 BTME the best you've seen.

And don't miss the Educational Seminar Programme. Top names, important topics and valuable information you just can't miss.

Save time and money—pre-register TODAY!

**EXHIBITORS TO DATE**

**Leading names in the greenkeeping and fine turf industries.**

**ADAS**

**Aitbens Sportsturf**

**Asnew Ltd**

**Atterton & Ellis Ltd**

**Becber-Underwood**

**Better Methods-Europe**

**Bomford Turner**

**British Seed Houses**

**Caird Environmental Group**

**C & P Soilcare**

**CDC Horticultural Equipment Ltd**

**CMW Equipment Co**

**D & E Turf Maintenance**

**Drain & Valve Manufacturing**

**Duraairforce**

**Fairfield Turf**

**Farmers Ltd**

**Fenbachtel Baren**

**Ford New Holland**

**Foshay International**

**Golf Course Services**

**Grays Organics**

**Hares of Snape**

**Hole in White**

**Howard Evans Financial Services**

**Huxleys Grass Machinery**

**I/C Distributors**

**ICI Professional Products**

**Inturf Ltd**

**JCB Professional Products**

**Istelf Ltd**

**Istelf UK Ltd**

**Istelf Ltd.**

**Johnson's Seed**

**Kubota (UK) Ltd**

**Lawn Technology**

**Lloyd & Co. Landscapers**

**Mackay Turf Ltd**

**Maths & Science Services**

**Media Research**

**Peters & Waterman**

**Peters Professional Services**

**Peters & Waterman**

**ProQuip**

**Prime Watermen**

**Professional Sportsturf Design Associates**

**Supatra Turf**

**Supremo**

**Tacit**

**The Scotts Company**

**Tillers Turf Co Ltd**

**Toro**

**Universal Materials**

**Vitax**

**Watermation**

**Wright Rain Ltd.**

****

**Keep dry when it's wet**

**in our special RAINSUITS**

**HIGHEST quality for the LOWEST price you’ll find**

**- absolutely free!**

**Order COUPON**

**Name:**

**Address:**

**Please supply Men’s style Raincoat: (€69 inc. P&P)**

**Color:** Navy/Silver

**Size:** 10 12 14 16 18 20

**Please supply Women’s style Raincoat: (€40 inc. P&P)**

**Color:** Navy/Silver

**Size:** 10 12 14 16 18

**Cheque enclosed for €**

**Supplied with BIGGA logo**

**BTME**

**BIGGA Turf Management Exhibition and Seminar Programme 1992**

**22-24 January 1992, Harrogate**

**Organised by the British & International Golf Greenkeepers Association**

**BIGGA and BETTER OFFERS**

**Supplied with BIGGA logo**

**Comfortable, practical and stylish**

**- the all-weather Neptune II rainsuit specially designed for greenkeepers and guaranteed to keep you dry. Made from a revolutionary new fabric, these rainsuits are quiet, soft to handle and lightweight**

**- but durable enough to withstand the coldest, wettest winter. What's more, the microporous fabric allows perspiration to pass through the outer membrane without letting in wind, rain or humidity - you stay warm, dry and comfortable all the time! The suits are hardwearing, washable and allow a full range of movement.

**Now BIGGA have teamed up with manufacturers ProQuip to bring you these weatherproof jacket and trouser sets at an unbelievable low price.**

**They're available in Navy/Silver or Navy/Jade with different styles for men and women. And because of a cancelled export order, orders for women's rainsuits will be supplied with an extra pair of trousers - absolutely free! These quality workwear garments are fully guaranteed for a year. All rainsuits are supplied complete with BIGGA logo**

**- as seen on national TV at Royal Birkdale during The Open.**

**As you can see from the Exhibitor List a lot of wise owls have long since confirmed they'll be flying into Harrogate in January. If you haven't - don't panic, there are still a few nesting places left. Just wing your way to a phone and call DEBBIE SAVAGE on 03475 551.
Congratulations to Brian Story, Silloth on Solway Golf Club, winner of this year's TORO/PGA TOUR Student Greenkeeper award.

Nothing compares to Toro when it comes to satisfying a natural demand for a thirst-quenching reviver, especially at grass-roots level! So take a tip, if you are considering automatic irrigation, splash out on a Toro system. The results can, you'll discover, be quite stimulating.

Think irrigation. Think Toro.

Toro Irrigation Limited
Unit 7, Millstream Trading Estate, Ringwood
Hampshire BH24 3SD Telephone: 0242 476261