was developed. While this went some way to eliminate the problems it also introduced new ones. The hole produced was larger in diameter and penetration depth was shallower. This allowed for the invasion of unwanted grasses and weeds.

Mechanisation brought with it the introduction of the slitting tine. Like a knife blade, this cut down opening up the soil and pruned the roots in the process, whilst causing very little surface disturbance.

Manufacturers were busy finding ways of making aeration as easy as possible, but the depth of penetration was limited. New steel manufacturing processes meant stronger tines. For penetrating the soil, crankshaft designs were introduced. These power-punched the tines below the surface. Six inches was about the norm at this stage.

What was needed was a machine that would go deeper and this appeared in 1980 in the form of the Verti-Drain. This piece of equipment operated at a far greater depth than anything previously and in doing so broke through any pan that existed. It also had another advantage, before being withdrawn, a heaving motion was introduced that broke up the compaction by lifting the soil.

This system is still very much at the forefront of aeration today and units are available that will go down 600mm (24'). It is critical that this type of operation is carried out by a trained specialist, as the correct penetration and speed of operation is important to the results both underground and on the surface.

Another method for dealing with areas of major compaction or panning is by driving a probe down into the soil. Then compressed air is pumped in causing an underground mini earthquake.

In recent years another power source has been introduced in the form of high pressure water particles that act like bullets. As they pass through the soil, a shattering effect is created. This is a relatively slow operation, especially if the penetration
tines
they are a changing

required is deep, but the one big advantage is that there is no surface damage, so play is virtually uninterrupted.

Organisations, manufacturers, scientists, agronomists and those involved in the day-to-day management of courses are continually seeking new ways of improving the methods used to maintain playing surfaces. This has led in the last few years to some alternative methods of aeration.

One of these, developed in the USA, uses the drainage system to blow or suck air and water down through the root zone. While this has the desired effect of putting these vital elements where they can be used by the plants, it does not relieve compaction so conventional forms of aeration also have to be employed. Here in the UK, some courses have taken up this system but the majority of installations are in sports and football stadiums. Another recent introduction is a polymer solution, which is said to help to solve the problems of poor drainage and compaction.

It is applied as a high volume spray. As the liquid travels down through the soil the coiled molecules unwind and gather the soil and organic matter together into larger particles. This action opens up the air spaces and is claimed to break up compacted layers, thus allowing an increased flow of water and air into the root zone and below.

On modern courses aeration needs to be carried out regularly and at varying depths to avoid a pan developing. Some heavily used areas will need more frequent attention. Out of sight does not mean out of mind. Soil needs working to keep it open and friable. The results of one’s labours quickly become evident, likewise signs of neglect are very soon obvious and are a lot harder to eliminate. Prevention is better than cure.

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In the three years since the events came together, the Toro's have grown in stature to the extent that the Champions who carry the titles into the new millennium will know that they have achieved something that will make their careers.

BIGGA HOUSE will be the venue for two of the high spots of the greenkeeping calendar this month with the finals of both the Toro Award for Excellence in Greenkeeping and the Toro Student of the Year Award.

Winning these prestigious competitions provides the winners with a passport that will carry them through the rest of their greenkeeping careers while even appearing in the final acts as a considerable boost to a CV.

This is the third year that Toro has sponsored both events and if the judges can identify two Champions as worthy as Iain McMillan, of Hanley Common, and John Coleman, of Abbeydale, in the Excellence Award and Steven Nixon, of Wortley, and Sally Doherty, of The Belfry, in the Student, they will have done an exceptional job.

As always the quality of the prizes at stake heightens the tension with the winner of the Toro Award for Excellence in Greenkeeping again winning an all expenses paid trip to the GCSAA Show in the States - next year in New Orleans - and a trip to Toro's outstanding facilities. In addition his golf club will win a Toro Greensmaster 3000 triple greens mower and a plaque to display in the clubhouse while each member of the greenkeeping team will receive a set of BIGGA waterproofs.

There has been a record entry for the Excellence Award which has kept the regional judges, some of the most respected figures in the industry - Jimmy Neilson, Barry Heaney, Bill Tavish, and Iain McMillan - extremely busy.

Each of the finalists was also visited by Walter Woods who examined every aspect of the courses management.

Quality was also up in the Student of the Year competition which augers well for the future of the industry. The winning student will win a six week study course in the States while the two runners-up win all expenses paid trips to BTME.
Stuart has been at the north of Scotland course for seven years, four as Head Greenkeeper, and in that time has produced both a Health and Safety Policy and Management Plan for the club. With a staff of four Stuart is a hands-on greenkeeper and he overhauls and services all greenkeeping machinery himself in the winter.

He is a key member of the Greens Committee and in that role recommends what machinery is in need of replacement and when. He also has full control of the working budget. All staff attend BIGGA functions and Stuart is a regular attendee at BTME. He also invests in books and videos for his staff.

Should he win he feels it would be a great boost to the profession in the north of Scotland.

This is the second successive year that Andy has won his way to the National Final of the Toro Award for Excellence in Greenkeeping. Andy manages a staff of 33 who maintain Carden Park’s two courses - Cheshire and Nicklaus each of which requires different maintenance practices to retain their distinctive styles. He advises on all agronomic, management, training and recruitment matters and sits on the monthly management committee meetings. The club is registered with the EGA Committed to Green Programme and also has close links with the RSPB.

Barrie has been at the County Durham club for 11 years and has been Course Manager for five. His role within the golf club covers everything from risk assessment, working policy, all training, machinery maintenance and replacement, planning, instruction while he prides himself on being a working greenkeeper and and carries out all the regular chores. In addition he carried out the building of six complete holes on the course. Becoming Toro Excellence in Greenkeeping winner would make his club extremely proud.

Kim has been at the club for ten and a half years as Head Greenkeeper and he has control of all expenditure outside the clubhouse and the management of the course is left to him and the Greens Committee which meets every three months. He has been operating on a natural “back to basics” approach for the last two and a half years and last year introduced bacteria on to his greens on a five year programme. They have developed conservation areas and bought machines for the upkeep of these areas.

Kim feels that winning the award would be a great way of thanking the club for all the support they have shown him over the last 10 years. He also says the award would belong as much to his Greens Committee of Graham Pillese and Ior Cooper as himself as they have been the same for 12 years.

Brian has been at the prestigious Berkshire club as Head Greenkeeper for three years and manages the 18 staff who maintain the Old and New Courses. He lists his responsibilities as ensuring that the courses, and surrounding areas are kept in a first class condition; maintaining all records, that equipment is maintained correctly and that all staff are familiar with Health and Safety requirements.

Part of the club is a SSSI and the management programme involves minimum spraying of chemicals and fertilisers. Brian, who is also an excellent golfer playing to a handicap of 3, says that winning the Award would be a feather in the cap of the club as well as his own.

Matt has been at the 27 hole club for just over two years and in that time he has produced a Health and Safety Plan which was used as a template for the rest of the golf club and a five year development plan including irrigation renewal, tree plan, bunker renovation, tee construction, car park improvements and a machinery purchase plan. He is currently working on an Environmental policy for the club but they have already signed up to the EGA’s Committed to Green Programme. Winning the Award would, says Matt, show the greenkeeping staff at Yeovil what is achievable in the industry and increase their motivation to do well.
Name: Simon O'Hara  
Age: 29  
Golf Club: Fota Island GC  
College: Colaiste Stiofain Naofa

Simon started work as a greenkeeper at Fota Island in May of this year having previously done work experience at Monkstown Golf Club as well as three months in the States during his college course. He is currently working towards his Greenkeeping NCVE City & Guilds Level 2 but he also holds a BA in History and Geography, an MA in History and a Diploma in Legal Studies. A keen sportsman with a golf handicap of 10 his ambition is to represent Ireland in some sporting capacity.

Name: Kevin Scarcie  
Age: 18  
Golf Club: Bedale GC  
College: Askham Bryan

Kevin began working at Bedale while still at school and he started full time when he left school. He has just completed his NVQ Level II in Sportsturf which he undertook in block release. Another keen sportsman he who his school basketball colours and plays golf and football and turns out for Northallerton Town, rugby union club. He is interested in perhaps working abroad in the future to add to his experience while he has his sights set on becoming a Course Manager.

Name: Vincent Gilroy  
Age: 22  
Golf Club: The Warwickshire  
College: Askham Bryan

Vincent is Deputy Course Manager at the Warwickshire, a 45 hole Championship complex, having been Acting Course Manager for four months earlier this year. Prior to that he worked as an Assistant at the 27 hole Seedy Mill GC. He is currently just completing his NVQ Level III. He is a six handicap golfer and won the '98 BIGGA Singles Knockout Championship for the Midlands Region while he enjoys foreign travel. In fact is ambition is to be a Course Manager of a course in Portugal.

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Name: Jim Gilchrist  
Age: 24  
Golf Club: Hamilton GC  
College: Woodburn House

Jim has been an assistant at Hamilton for five years having done a further two years on YTS. He has achieved SVQ Level I&II and is currently working towards level III having passed his spraying certificates. A keen sportsman listing golf and keep fit among his interests but he was also voted the Young Player of the Year for his local amateur football club. He is hoping to soon be in a position to apply for First Assistant positions.

Student Greenkeeper of the Year finalists

Name: Tommy Givnan  
Age: 29  
Golf Club: Bowring Golf Course (Knowsley Municipal)  
College: Myerscough

Tommy has been Head Greenkeeper, at Bowring - the oldest municipal course in England - for six months having previously been a charge hand on the course and before that a landscaper for 10 years. He is currently studying towards NVQ Level III Sportsturf and was last year's Student Greenkeeper of the Year finalists as well as BALI Award winner.

Name: Michael Bush  
Age: 23  
Golf Club: St Mellion  
College: Elmwood/now Cannington

Michael is Deputy Superintendent at St Mellion having previously been an Assistant for four years. When he left school he worked for a landscaping company, but having lived in St Mellion all of his life he has seen the club grow and it was always his ambition to work on it. With no vacancies he took a position with St Mellion Leisure a golf construction company to gain experience before a job became available. He has completed SVQ I & II at Elmwood and is currently undertaking Level III at Cannington. He is keen on golf, football and motorsport.

Name: William Collins  
Age: 32  
Golf Club: Falmouth GC  
College: Cannington College

William was promoted to Head Greenkeeper at Falmouth a mere 16 months after starting at the club as a mechanic/greenkeeper. Since then he has introduced cultural and biological practices onto the course which in turn has reduced the spraying budget. He is currently completing his NVQ Level II but has his sights set on Levels III and IV and ultimately the Master Greenkeeper Award. He is a recent convert to golf but also plays football at senior level and is keen on DIY.

Name: Andrew Wood  
Age: 29  
Golf Club: Singing Hills GC  
College: Plumpton College

Andrew is Assistant Head Greenkeeper at Singing Hills having previously worked at East Sussex National, Mid Sussex, and Plumpton College as a groundsman/greenkeeper as well as summer holiday work at the Dyke where he is a 2.5 handicap member. He also tasted work abroad, working at Leeuwenbergh GC, in Holland. He is currently studying towards NVQ Level III - Sportsturf Management. In addition to his golf he is keen on all other sports as well as DIY.
For further Membership information, please contact Tracey Maddison, Membership Services Officer, BIGGA HOUSE, Aldwark, Alne YO61 1UF

Tel: 01347 833800 Fax: 01347 833801 E-mail: tracey@bigga.co.uk www.bigga.org.uk
North Section

We've done it again! The Section won the Norrie Whytock Trophy at Crieff Hill GC. The team was slightly changed from the original due to work and holidays so well done to Section members Stevie Sullivan, Stuart Robertson, Crieff Hill, George Atkin, Peterculter, and Colin Mackay, Elmwood. Captain Stevie Sullivan led the team to a two stroke victory over the other Scottish Sections.

New members this month to welcome are David Murdoch, from Buckpool, and rejoining us after a few years is Robert Haddle now working at Crailstone. The two lucky Section members who have won this year’s Patrons’ Award are Gordon Moir, St Andrews, and John Geddes, McDonald GC, Ellon. Their reward for attending the most BIGGA events over the last year is an expenses paid trip to BTME 2000 on the Scottish bus.

Congratulations to you both.

This month is also when our AGM will be held, final date and venue is not quite confirmed but will be towards the end of the month in the Aberdeen area and we hope to have a talk as well as the golf prior to the meeting. While I am talking about outings, two dates for your year 2000 diary are Spring outing at Buckpool GC, Head Greenkeeper David Marnoch, on Thursday May 28, and Autumn outing at Peterculter GC, Head Greenkeeper David Marnoch, on Thursday September 28. As I go to press we are contacting Downfield GC for more tee times as this year’s Autumn outing is oversubscribed.

Iain Macleod

Central

The Inter-Club Tournament should have been completed by now but one team got their dates mixed up, and, at the time of writing, it looks like the final will be delayed slightly. It's amazing how they can make such a simple mistake as they take the event so seriously that they carry a mobile phone with them when they are playing and report the result of each hole back to the clubhouse, or some “central” result gathering centre. At some holes they even attempted to send it by “carrier club.” Only joking D.Mc! I have discovered the whereabouts of a certain A. O’H. He is alive and well and playing in the aforementioned tournament, trying to do an impression of Jean van de Velde while competing against one of the Kinross teams, at Kinross, his ball landed in one of the many burns which zig zag across the course. Undeterred he promptly walked into the burn, shoes and all, and attempted to play out. Needless to say he lost the hole, lost the match and was last seen running towards Leven Links with his playing partner (D.S.) in hot pursuit. Still, that’s what the tournament is about, having a bit of fun!

North West

The N/W Section currently has 562 members and is the largest Section in the Association. This is good news, but when it comes to get- ting any work done, nobody seems interested. I struggled to get a team against the N/Wales Section in April and only just made it when I phoned the captain! This month, August, it was a struggle once again to find a team to play in the “Roses” match against the Northern Section.

We finished up eventually with 14 players instead of 16. A lot of work goes into organising these matches, and it is embarrassing to arrive short of players, especially when the sponsor has attended expecting to see a good turnout. I hope in future more interest is shown. Anyway we had a great day, even though we were hampered six and a half to one and a half.

The venue was Howley Hall, the course of Simon Heppenstall, and he and his staff had the course in great condition considering the amount of rain prior to the match. The match was once again sponsored by Pattison's, who have sponsored this competition for 21 years. I would like to thank Pattison's for their sponsorship and hope it will continue for many years to come.

On 25 August we had the Regional Final at Macclesfield Golf Club. Each Section had six qualifiers from their spring tournaments to go through to the final. The course was in great condition considering the five to six scores from five games. The difference between the winners and the last Section being only six shots made it a very close match. The sad thing was the NEast section could only muster...
half a team, but at least the three who turned up enjoyed themselves and played well. The final was sponsored by Richard Campey Ltd of Macclesfield, who presented the winners with a shield and each member of the team received a medal. Many thanks to Richard Campey for sponsoring the day and also thanks to Macclesfield Golf Club for allowing courtesy of the course.

The next golf will be the President's Cup and AGM at Whinslow Golf Club on Thursday November 25. This to will be available from 10am and everyone will need to bring a bottle in order for all competitors to take away a prize. All entries to be sent to Bill Merritt, 225 Utting Avenue, Clumber, Liverpool L4 9RR. Tel: 0151 284 4416. Please include a cheque for £15 made out to BIGGA NW.

That's it for now. Any news or views, ring me on 0151 724 5412.

Bert Cross

North East

On 22 July we held, for the first time, a summer competition at Garesfield Golf Club. Our thanks to the committee for giving us courtesy of their course. Sadly a very poor turn out, only 15 bothered to play, but everyone enjoyed themselves. Let's hope next year we get a better response as it is going to be played most likely the last Monday of July, 3pm to 5pm.

Best gross, I. Hutton, 72, Whickham. Ransomes Cup, C. Cooper 76-6=66, Shale, Hayley. Greenlay Cup, R. Reid, 77-8=69, Prudhoe. Fewster's Shield, G. Greenlay Cup, R. Reid, 77-8=69, Slaley Hall. 3pm to 4pm.

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A committee meeting was held on 24 August. We discussed, among other things, the autumn golf match and the autumn/winter lectures. By the time you read this you should have received your entry forms and refreshments. There will be a nominal charge to non-members of £1 to cover refreshments costs.

The Match Secretary would appreciate it if you could provide official handicaps otherwise the max will be 18 medal, 21 Stableford. Please also remember golf related guests only, ie. Captain, Green Chairman, Secretary etc.

Marc Brute who is 17 years old and a MA at Old Colwyn Golf Club is now Denbighshire County Champion. A superb achievement, so we'll need your handicap certificate Marc and no, we won't accept a 24 provisional OK.

Our Section's only Life Member, Bill Lawson, has donated a shield to the Section which we decided to award to the best gross score from a member under the age of 21 at our Christmas competition. I've got an idea who it might be.

Rigby Taylor's Mike Whitehouse is organising a North vs South Wales match. I will keep you informed about date and venue.

Finally, welcome new members Stephen Jones, Vicars Cross; Wendy O'Brien, Carden Park; Paul Davies, The Pleazey; Gareth Jones, Hemllys Hall and a very belated welcome to Jamie Williams, Vale of Llanfyllan and Lee Edwards of Hawarden.

Dave Goodridge

Cleveland

The Section had a very busy time this month. First the Cleveland Section played the North East Section at Beamish Park GC. The weather was great and the course was in excellent condition.

Keith Lough, Course Manager at Beamish had the greens tip top. The sponsors for the match were Ritefeed and Alan Cordinly, Ritefeed Rep, gave out some very nice prizes. Cleveland got beat 3-2.

The Cleveland Shield Knock Out competition was held here at Brancepeth GC. Both semi-finals and finals were played the same day.

Results: Barry Walker bt Ian Holoran, Alox Russell bt Tony Burge.

In the final Alox Russell kicked Barry Walker's a**e - Barry's words not mine. A good day was had by all. Thanks to Brancepeth GC, Deputy Head and greens staff for the way the course was turned out.

Then Cleveland Warriors went down to Macclesfield in the National Finals. The Cleveland Section came second, lost by one point.

Other news. Martin Woods has been nominated by GLC for Toro Greens of the Year. He is now a MA and playing at Abbeydale GC. He did very well.

Yet again I have to apologise for the lack of notes in the September edition. Once again we have the Royal Mail to thank for this.

On 12th July we held our annual competition at Abbeydale Golf Club. The weather was absolutely glorious and very warm which made the golf very tiring but there was still plenty of excellent golf played.

 Abbeydale was in excellent condition and our thanks go to John Coleman and his staff. Well done John.

Our thanks also go to Abbeydale Golf Club for giving us courtesy of their course and facilities.

Thanks also to Mansfield Sand for being the main sponsors of the day and to all the other trade members who provided prizes.

There was some excellent golf played but the eventual winner was Mick Coltas, with a net 68. Well played Mick!

Results 1. Mick Coltas 68 net. 2. J. Darach, 70 net. 3. W. Manning, 71 net.

The gross prize went to M. Hayward with a 72.

By the time you read this we will have played our Autumn tournament at Hallamshire on September 15, so I hope you all enjoyed the day again.

John Late

Northern

This year's Invitation Day Tournament was held at Shipley (Beckfoot) Golf Club. The weather was excellent, matched by a course produced by Pat Murphy and his team. I am sure the comments from the players justified the hard work getting the course set up for us on the day.

Sheffield

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