

Greenkeeper

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The best

JACK McMILLAN
COURSE MANAGER
SUNNINGDALE GOLF CLUB

1985

INSTITUTE OF GROUNDSMANSHIP

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This issue

JULY 1985

Front cover: Lely Iseki Tractors are now showing their exceptional versatility at Sunningdale, having been introduced to course manager Jack McMillan and Sunningdale secretary Keith Almond by Iseki's southern dealer T. Parker & Sons of Worcester Park, Surrey. The new Lely TX 2160 'HST', available as either two or four wheel drive, is the model, together with a vast variety of attachments, that can cope with numerous tasks throughout the year. One pedal operation controls forward and reverse, giving variable speeds up to 15 kmh. A hand control is fitted as standard to allow full wheel braking without loss of power, at the same time ensuring exceptional manoeuvrability.

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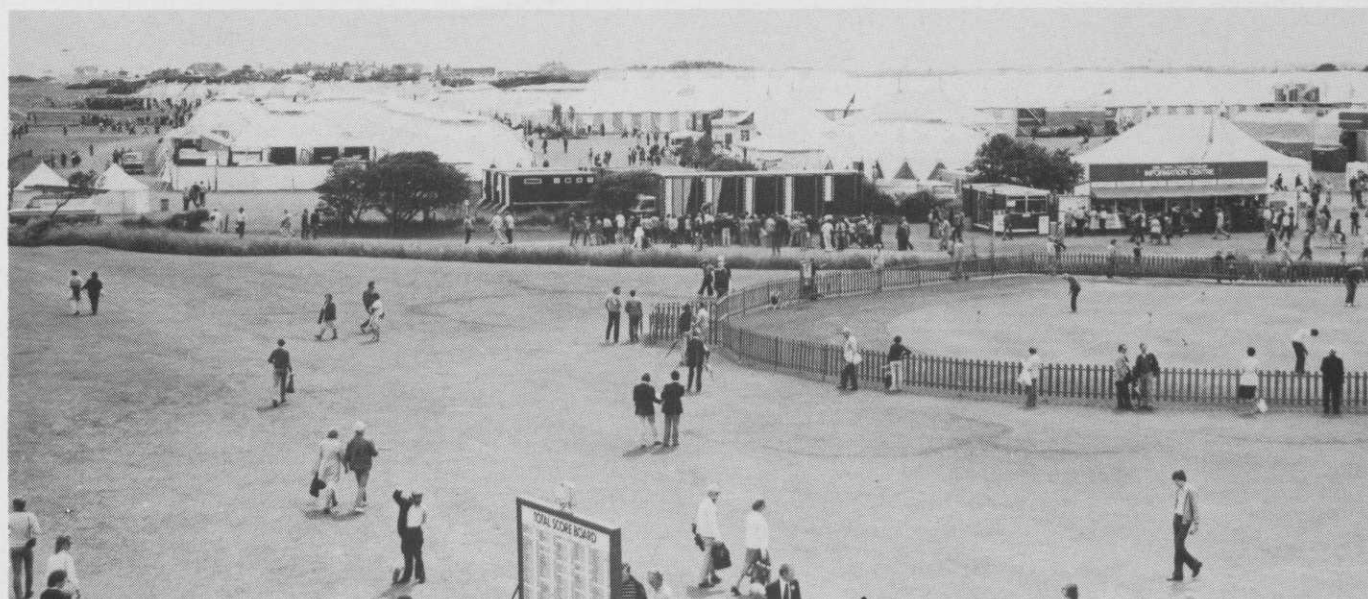
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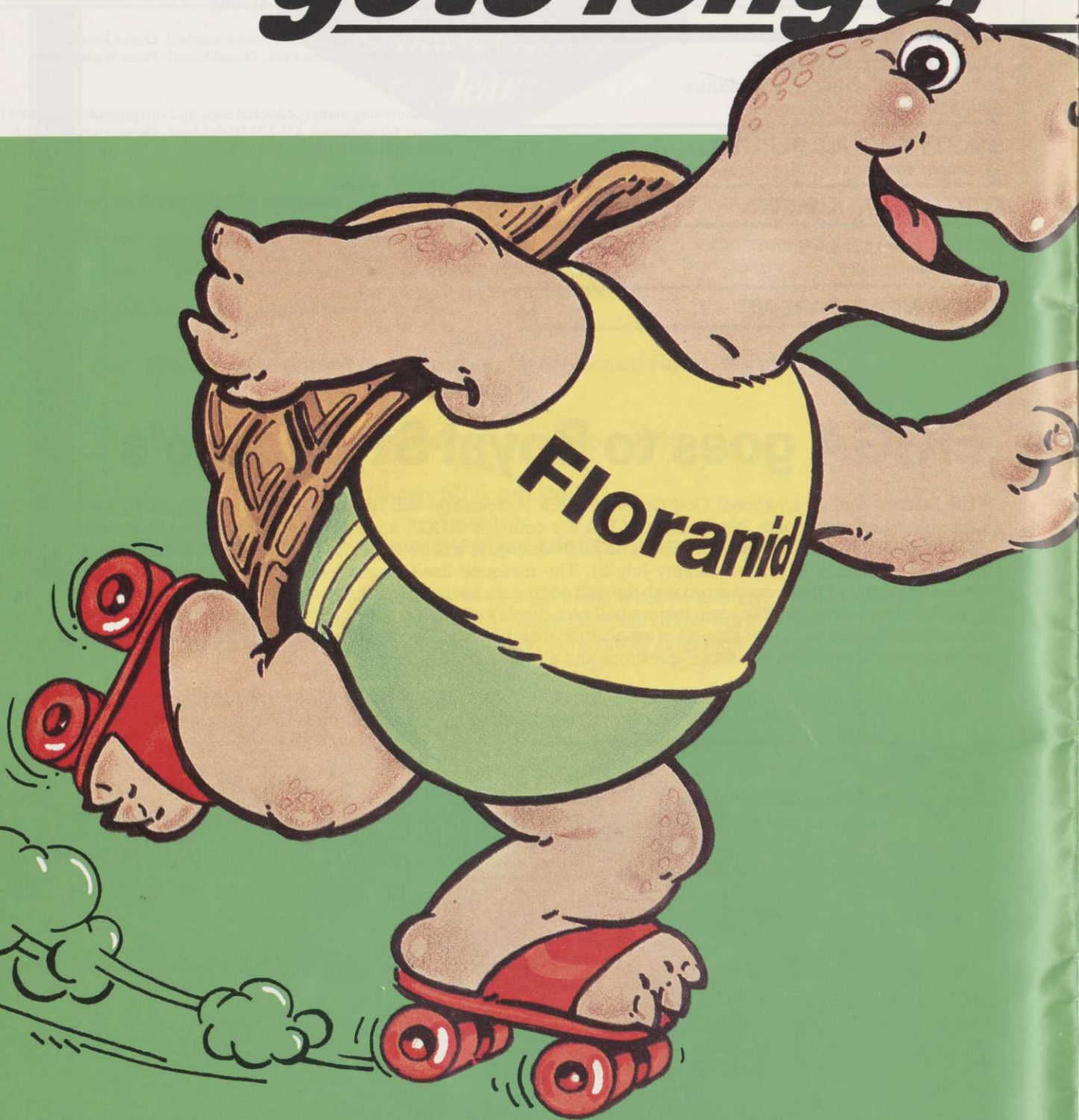
EIGGA goes to Royal St George's

THE English And International Golf Greenkeepers' Association will have its own hospitality marquee at the Open Championship next month, continuing the R & A's courtesy SIGGA initiated so successfully at St Andrews last year. EIGGA's marquee, in the tented village at Royal St George's, will be opposite the R & A members' pavilion and will be open from Monday July 15 to Sunday July 21. The marquee itself, sponsored by *Greenkeeper*, will be open to all greenkeepers and those connected with the golf course maintenance industry. It will offer a bar, light refreshments and closed-circuit television. The main feature will be a display of EIGGA activities, covering educational opportunities, the annual conference and other aspects of association membership. Two members of the EIGGA board of management will be in attendance to answer visitors' questions and act as hosts to guests.



• The Open tented village at Sandwich during the 1981 championship.

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Out·On·The·Course

John Campbell meets the man in charge of 36 holes of prime golfing territory at The Berkshire.

THE Berkshire Golf Club at Ascot is one of those natural heathland courses in an attractive silvan setting. Two 18-hole courses—the Blue and Red—have a rich variety of excellent golf holes to test the skill and ability of all kinds of player. The club has all the character of the acid heathland—resilient, springy turf, an abundance of heather and majestic tree-lined fairways that contribute an essential element of strategy and add to the aesthetic appeal of the golfing scene.

The upkeep of the two courses is in the capable hands of Bob Moreton, 40, an intelligent and genial family man who moved to the club nearly three years ago with his wife Valerie, daughter Rosalind, 19, and son Adrian, 16. "I came into greenkeeping by accident. My family were in golf, but I was more interested in farming," Bob said. "At 21, between jobs, I was asked to help my father who is a professional golfer. I was then a low-handicap player and enjoyed working on the course.

"Eventually, I was faced with the decision to become a professional golfer or take up greenkeeping as a career. I chose the latter. I don't play quite so much golf nowadays. My hobbies are music, male voice choir singing and, more particularly, my job."

Bob Moreton began greenkeeping at Flempton Golf Club—a nine-hole course in East Anglia on sandy soil. After seven years there, he took up his first job as a head greenkeeper at Bishops Stortford Golf Club. From there, he went to Ashburnham, a



Bob Moreton

championship links in South Wales. He was persuaded to return to Bishops Stortford and stayed for seven years, after which he went to Patshull Park, a new complex that went bankrupt. He worked with the receiver for over two years before finally moving to The Berkshire.

"After caring for an 18-hole course, I was not quite sure how I would handle 36 holes, but I soon got into my stride and enthusiasm for the job has enabled me to cope.

"There are nine men on the staff—a full-time mechanic Vic King, who has proved to be worth his weight in gold. My assistant, John Haines, was promoted from the ranks and the

other seven are all experienced journeymen greenkeepers. I take special interest in the training of younger staff members and consider it important to tell them what is being done and why.

"I often wish that youngsters coming into greenkeeping would ask more questions, rather than just being content to pick up the rudiments of the trade by seeing it being done. If they were more inquisitive, they would learn more quickly. If they aspire to the top of their profession, they must take the initiative by studying everything about the scientific aspects of turf culture and golf-course management.

"They should try to obtain books on the subject, read articles by experts and make a conscientious effort to absorb all they can. You won't learn everything from books, but they are a good basis from which to build up a deep fund of technical knowledge.

"Like most golf courses nowadays, our main problem is dealing with compaction due to the heavy volume of play. At the moment, about 80 per cent of the work is concentrated on aeration—hollow-tining, slitting, spiking and spooning, all of which plays a vital part in our regime. It's well proven that regular aeration is an important and essential phase of good turf management.

"We are often plagued by cold, dry spring weather in this part of the country, which seems to retard early growth on heathland courses and it is not always easy to present the best



The 16th hole on the Red Course.



Hollow-tine cores on the putting green are swept up.



Irrigation pipes 'in-store' on the practice ground.

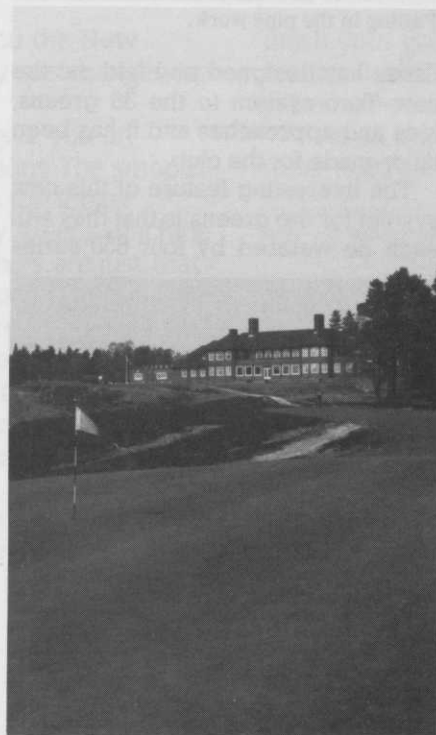
playing conditions early in the season. Our spring treatment programme on the greens included hollow-tining followed by a top-dressing mixture of two parts sand, one part peat, one part soil and Alginure mixed together. I am not a great believer in pure sand dressings, but they are sometimes useful in the autumn to maintain dry putting surfaces through the winter.

"The best advice I would give in dealing with the upkeep of any golf course is not to rush things along. Try to get the work done in a steady and methodical fashion. Don't attempt too much by speeding around with tractors all the time—use a little old-fashioned commonsense. It's better to do a good job on two greens than perform a mediocre task on 12. Stand back occasionally and take stock of progress—speed is essential to get the work done nowadays and yet it is often the biggest enemy.

"We are all inclined sometimes to try and get certain jobs done even when the weather is unsuitable, rather than wait a day for better results."

In discussing stimpeters and fast greens, Bob added: "Using a stimpeter is not very important and I don't think it means very much to the average club member, who merely wants to putt on a green with reasonable pace. They don't want them lightning fast. If your maintenance programme is geared towards firm greens, you will eventually attain the right speed. I would hate to shave the surface and make them too fast just to satisfy the whims of some crank.

"However, in professional golf you have to cater for a different type of player, who likes to putt on a slick, fast surface, so the preparation would be a little bit different. At The Berkshire, we try to satisfy all kinds of golfer and



The Berkshire Golf Club.

I don't think it would be appreciated if we slavishly dedicated our methods to producing exceptionally fast greens. Nobody likes to take three or four putts at every hole.

"I am fortunate to have a good committee and the secretary Mr P. Clark has helped me enormously since I came here. The club has invested over £60,000 in machinery and a lot of money has also been spent on materials within the last three years. The committee has given me full support in all that I have done, although we have not yet reaped the full benefit of our investment.

"To carry out any programme of course improvements, you have to discuss all aspects of the work with club officials to gain their approval and convince them of the necessity for any changes. I always make a point of meeting the secretary every day to discuss any problems, the work programme and generally keep him up to date on all that is happening on the course, so he is able to keep the membership informed.

"We have recently installed one of the latest and most sophisticated irrigation systems with individual head control," Bob said. "Having an automatic watering system is a good thing in itself. It allows you to carry out an extensive programme of verticutting, top-dressing and fertilising, whether it is sulphate of ammonia, sulphate of iron or whatever you use.

"But having single head control is far superior, for it gives me greater control over the amount of water I place on each part of every green. One of the things I am looking forward to is being able to judge which particular section of the putting surface wants that little bit of extra water—slopes and undulations will have to be taken into account.

Continued overleaf...



Greenkeeping staff have a spacious machinery and equipment shed.

Out·On·The·Course Continued...

"It's going to take a little time to sort everything out and, obviously, it will be important to rely on our local knowledge of all the prevailing conditions to determine a satisfactory programme for each individual green. Single head control will help eliminate the deluge effect of four sprinklers coming on together. With each pop-up set on its own timed schedule, there will be greater efficiency, less chance of flooding and better water absorption.

"On heathland, the grasses come under a little more stress from drying winds and, while there may be moisture in the soil, the surface tends to dry out. We can alleviate this by light syringing with the irrigation system to relieve the surface tension."

Installation work on the irrigation scheme commenced at the beginning of the year and it is now in operation. Golf Landscapes of Brentwood in



Pulling in the pipe work.

Essex has designed and laid out the new Toro system to the 36 greens, tees and approaches and it has been tailor-made for the club.

The interesting feature of this new system for the greens is that they will each be watered by four 650 series



A very neat job...

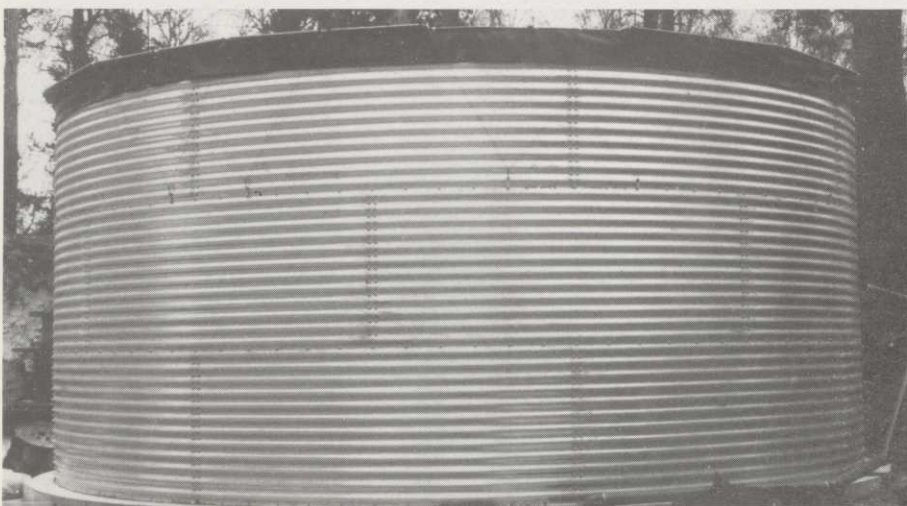
pop-up sprinklers by individual control for improved efficiency. In this country, most other systems have been installed on a block design, which activates all the sprinklers on a green simultaneously. This means that the same amount of water is applied to each part of the green.

Watering in this manner is not always desirable since slopes and high spots on the surface may need more water than hollows and areas in constant shade. The single head system gives a greater degree of flexibility to the watering programme and has implicit advantages in turf culture for the course manager.

All the tees and approaches on the two courses will be watered by Toro 650, 640 and Super 600 series sprinklers, with use of full circle, adjustable part circle and two speed heads as particular locations require. Certain fairway areas will be watered with quick coupling hose points and Toro's new Micro 44 travelling sprinkler.



A conference with Golf Landscapes irrigation engineers.



The water storage tank for the new irrigation system holds 45,000 gallons.

Additional Data

A total of 800 stations can be deployed at The Berkshire. These are connected by 15,000m of piping. The controller is an eight zone Toro Aquasonics 800 station sequential electronic and served by a special set of three Grundfos pumps. "This is the first large scale single head control irrigation system, giving flexibility to the management of golf turf, to be installed in the UK. I'm sure it is the first of many," Golf Landscapes director Howard Swan said.

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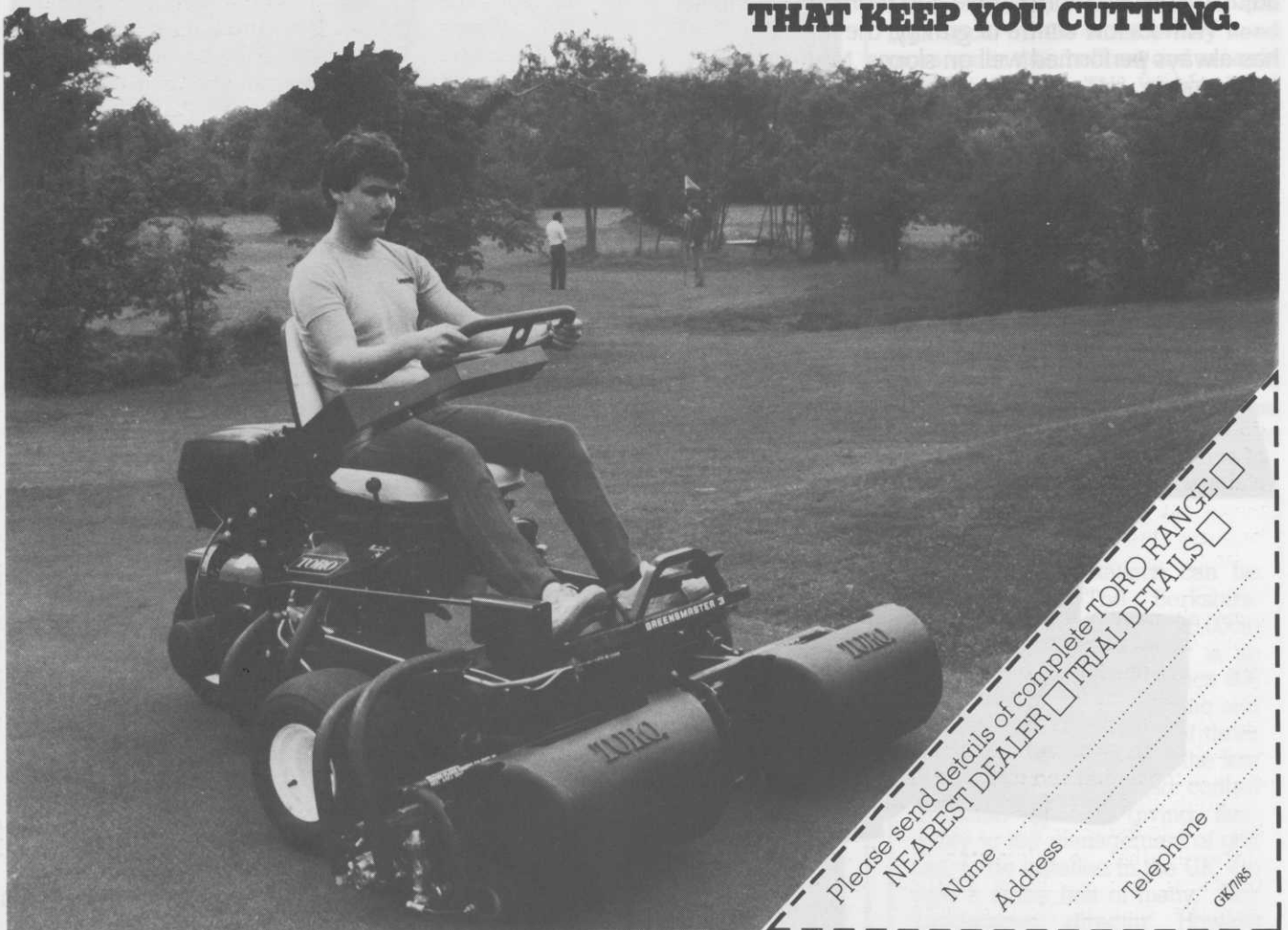


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Martyn Jones replies...

I WOULD like to respond to Jim Arthur's article 'My patience is exhausted' in the June issue of *Greenkeeper*, in which he viciously attacks me and the contents of an article I wrote for *Golf Greenkeeping And Course Maintenance* (May) entitled 'Where is the tradition in Golf Greenkeeping'. I have provided details of the article, so that readers can obtain a copy of it and familiarise themselves with my message. This is necessary because Mr Arthur, as usual, has completely distorted the facts and attempted to mislead the reader by misquoting, omitting important and relevant points and introducing fallacious statements. On occasions, the distortion is so ludicrous that, if it were not for the fact that some greenkeepers may misconstrue the statements as educational, it would be laughable.

One such statement is that he has "refrained from criticising" me. Does he really expect anyone to believe this ridiculous claim? Greenkeepers and members of the trade who have regularly attended conferences and seminars are familiar with Mr Arthur's outbursts and scurrilous attacks on me and other people. It is considered to be almost a 'trade mark' of the man.

In my article, I did not decry any maintenance procedure. I did not comment on whether they were good, bad or indifferent. However, I did suggest that many of the practices currently claimed as 'traditional' are NOT traditional and that many of the criticisms of 'American' greenkeeping are unfounded and inaccurate.

Mr Arthur states that some form of worm control has always been practised. True, but does he really think that we should, therefore, consider all worm-killers to be similar and ignore the impact on the environment of such toxic chemicals as Lead Arsenate and Chlordane? In their turn, each has had a significant effect on the turfgrass environment and cannot, and should not, be lightly dismissed in this way. Chlordane is not a 'tradition' in greenkeeping and environmentalists are very concerned about its continued use. But then Mr Arthur may dismiss these people as a 'manic minority,' a term he is fond of using about people who do not entirely agree with him.

Similarly, Mr Arthur implies that deep, frequent slitting during the winter months is traditional because some form of aeration has been practised for many decades. Such a claim is as illogical and irresponsible as a claim that a motor car is no different from a horse-drawn carriage because they are both forms of transport.

While on the subject of aeration, Mr Arthur misquotes me, as he so often does, whether deliberately or unintentionally, and informs the reader that I state that "soils should never be aerated unless they are absolutely dry." Unfortunately, space does not permit me to discuss the question of aeration in detail, but clients who are familiar with my advice will know that I place great emphasis on aeration and that I go to great lengths to explain the timing and methods that should be adopted.

I doubt that Mr Arthur's dogma would ever permit him the time to listen to what I say and, therefore, I am not surprised that he misquotes me. However, I find it laughable that he should patronise the reader with a comment such as "No one disagrees with the fact that details and even methods are a matter for personal choice and debate."

I do not accept that many of the so-called 'traditionalist's' claims and methods are traditional. I believe that such claims distort the truth, misinform and confuse the reader. My article was not aimed at any individual but, if Mr Arthur has decided to wear the cap, then he should debate the point by demonstrating that his methods are traditional. Instead, he concedes that "there has always been a cyclic pattern, since greenkeeping began." It is illogical to claim that traditions have been established in cyclic patterns.

Irrigation is an excellent example and Eddie Park clearly supports my view that there has not been a tradition because, in his article in the same June issue, he provides a comprehensive history of irrigation 'theories,' with all the changing opinions.

If Mr Arthur has constantly advocated his present thoughts on irrigation, they must have been in conflict with his superiors at Bingley because, as Eddie Park points out, "R.B. Dawson was recommending as much as four gallons per square yard two or three times per week." Tradition cannot be established when such conflicting opinions abound.

One statement in Mr Arthur's article I strongly refute is that, at one course where I advise, my methods have resulted in a 100 per cent annual meadowgrass sward and that, if it were true, I have stated that it "does not matter." I consider *Poa annua* to be a most undesirable and pernicious weed species but, possibly unlike Mr Arthur, I am sufficiently patient to adopt a process of gradual elimination, while ensuring an acceptable turf density during the eradication period. I do not agree with inflicting an extreme attack of 'Arthritis.'

Mr Arthur does not name the course he claims is now 100 per cent annual meadowgrass but, if he is implying that it is the Wentworth Club, it is a gross distortion of the truth. It is true that, prior to my advising the club, the greens were virtually 100 per cent *Poa annua* but, in response to treatments and over-seeding, *Agrostis* is now very much in evidence. Although Mr Arthur was advisor to the Wentworth Club before me, I have never implied that the 100 per cent *Poa annua* greens were the result of his advice! However, the club was dissatisfied with the condition of the greens and, therefore, they sought alternative advice.

Wentworth stages two major tournaments each year, has a very discerning membership and many hundreds of visitors. I believe that it is the advisor's and the club's responsibility to provide all players and sponsors with good putting surfaces. In this respect, the course has been highly praised and all agree that the surfaces have greatly improved, all the year round.

If Mr Arthur considers me to be "outrageously different" because I insist on factual education without clouding the issue with wildly inaccurate, misleading and dogmatic claims of being 'traditional,' I will continue to be outrageously different. It is not a matter of being 'noticed' or of being pernicky, it is a genuine concern for the future of greenkeeping and a deep-felt desire for good, honest and informative education so that greenkeepers can advance to a highly professional status. I am a great advocate of unbiased and factual education, as opposed to dogmatic and inaccurate indoctrination. I am surprised that Mr Arthur should accuse anyone of trying to be noticed by being outrageously different.

As a response to similar outbursts and attacks from Mr Arthur, Peter Alliss wrote "Get off my back Jim Arthur." Perhaps Mr Arthur heeded the request but, like a hungry leech, he seems unable to survive without attacking someone. Currently, I must be The Flavour Of The Month.



Surrey

Branch members enjoyed one of the few days of summer so far this year when they played the superb and, as always, immaculate New Zealand Golf Club course for the Cresta Cup. This was a Stableford competition played over 18 holes and the winners were: R.Stone 41 points (Epsom GC), R.Able 39 points (Hoebridge GC), P.Crouch 39 points (Silvermere GC) and C.McMillan 38 points (Sunningdale GC).

The Surrey branch would like to thank the New Zealand club for extending the courtesy of the course and our appreciation goes to James Leddington and his assistants for all their hard work on the course and to Mrs Johnson for the catering.

A reminder regarding diary dates: Friday August 9—McMillan Trophy, Sunningdale GC, Monday September 30—McGillivray Shield, Richmond GC, Wednesday October 30—Autumn Meeting, Berkshire GC, Monday December 9—Turkey Trot, Worplesden GC and a one-day seminar on Wednesday November 27 at Wentworth, for which there will be a charge of £9.

In addition, it is hoped to arrange winter seminars at the RAC in January, Maldon Golf Club in February and Walton Heath in March.

Please advise your club secretaries and greens committee chairmen about these seminars as they will be very welcome to attend.

M. Hale, Branch Administrator.

East Anglia

Our first meeting of the year got off to its usual good start, thanks largely to the efforts of Steve Noye and the efficient way he handled the AGM. Bob Cheshire of SISIS was unanimously nominated vice-president and all other officers were re-elected.

Bungay Golf Club was the 'battlefield' of the day and our thanks

go to the captain Mr G.Moore and the members for their hospitality.

Prizes went to: 0-17 section—Roger Plummer 35 points (Parker Shield), S.Sylvester 34 points and Mr.Bradazon 32 points, on countback. 18-23 section—Steve Freestone 40 points (Rushbrook Salver), Martin Jones 36 points and Richard Mitchell 34 points. Mrs.B. Maidstone won the ladies' section with 34 points and Bungay took a clean sweep of the guests' prizes.

Our congratulations go to Mick Meen for the fine condition of the course, the steward and stewardess for the excellent meal and May & Baker, SISIS, Town & Country and Supaturf for the prizes donated.

Last, but by no means least, thanks Bungay and Waveney Valley Golf Club for two magnificent carriage clocks as prizes.

Mick Lathorpe.

London

The spring meeting, which included qualifying for the Kubota Challenge, took place on a rather cold and windy day at the Aldenham Golf and Country Club. Our thanks to Alex Low and staff for presenting the course in such fine condition. A relatively new course, it is maturing well.

I must mention the co-operation and support we received from the owner of the course David Phillips. His catering staff did him proud and it did not take us long to warm up with a



Three great minds got together for quiz time during the EIGGA conference at Warwick University. Stan Ellison, Michael Coffey, publisher of *Greenkeeper*, and Jonathan Harmer were suitably rewarded for their efforts.

hot meal and a few beers—not necessarily in that order!

David presented the prizes and, as a mark of our appreciation, branch chairman Tom Low asked him to accept an association tie. Our friends from the trade again gave their support, both in person and prizes. Alan Moffatt (T. Parker) and Roger Bowles (Rigby Taylor) provided an audience when we teed off and David Craig (H. Patisson) welcomed us at the 19th.

My personal thanks go to the branch committee—Michael, Tom, Derek and Chris—for all their efforts.

The winners were: scratch to ten—1. J.Teixeira (Kubota qualifier). 2. N.Bennett. 11-28—1. J.Hatton. 2. A.Grew. 3rd equal T.Low and D.Merrills.

Our next golf outing is to Northwood on Monday August 19 at 4pm. Arrangements are being made to visit the Lely works at St Neots and J.Mann's factory at Saxmundham, where the TORO Reelmaster 350D is assembled. Details will be announced at a later date.

To end this month's notes, congratulations to Alan Lewis of Pinner Golf Club on his recent marriage.

David Low.

Berks, Bucks And Oxon

The branch held its spring meeting at Southfield Golf Club recently. It was a fine day for golf on a fine course—thanks to Jack Brierley and team. The clubhouse staff also made us feel more than welcome.

The winners were: best gross—B.Holt 73; first year—D.Butler 106; best net—P.Kwight (on best back nine) 66, D.Parrish 66, J.Binney 67, A.Collis 70, S.Schmitz 72 and J.Brierley 73.

I thank all the members of the trade who went to Southfield and gave their valued support.

On August 22, the Jacobsen tournament will be held at Burnham Beeches GC. Members will be notified by post about this competition. And, on September 4, there will be an invitation day at Sonning GC.

Maxwell Hart has kindly donated some money to branch funds and I would like to thank the company for all its help.

W. McMillan, Chairman.

We remain after the crowds have gone!



When the excitement, the cut and thrust between winner and loser is over, when the crowds have drifted away, you'll find Toro sprinklers remain, watering the sacred turf in their own quiet efficient way. Toro, helping Greenkeepers prepare for sporting battles yet to come.

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- G. Watt—Purley Downs Golf Club.
- J. Fixter—Kilton Forest Golf Club.
- J. Bond—Dean Wood Golf Club.
- L. Sproston—Chester Golf Club.
- K. Holmes.
- W. Lawson—Heswall Golf Club.
- G. Brown—Croham Hurst Golf Club.
- B. Hall—Hexham Golf Club.
- P. Davies—ex-Rhuddlan Golf Club.
- D. Archer—Whitchurch Golf Club.
- J. Brennan—Limerick Golf Club.
- D. Wilkinson—Selby Golf Club.
- M. Townsend—Bishop's Stortford.
- P. Gregory—Richmond Park Golf Course.
- K. McNiven—Effingham Golf Club.

Silver Diploma (Head Greenkeeper)

- L. Shaw—Ullesthorpe Court Country Club.
- H. Smith—Lansdown Golf Club.
- L. Harris—Ifield Golf Club.
- P. Davies—ex-Rhuddlan Golf Club.
- J. Young—ex-Ely City Golf Club.
- G. Lloyd—Hillside Golf Club.
- J. Cheeseman.
- M. Grand—Newark Golf Club.
- M. Peters—Northwood Golf Club.
- A. Lockett—Orsett Golf Club.

Bronze Diploma (Head Greenkeeper)

- R. McVicar—Branston Golf Club.
- D. Driver—Waterhall Golf Club.

Silver Diploma (Assistant Greenkeeper)

- P. Pearse—Effingham Golf Club.
- A. Campbell—ex-Chester Golf Club.
- J. Robinson—Dyrham Park Golf and Country Club.
- A. Clarke—Gorleston Golf Club.
- T. Adamson—Wrexham Golf Club.
- G. Cannings—Heswall Golf Club.
- R. Hunt—Heswall Golf Club.
- B. Appleton—Delamere Forest Golf Club.

Bronze Diploma (Assistant Greenkeeper)

- M. Pegrum.
- K. Burt—Rhuddlan Golf Club.
- N. Barton—Kilton Forest Golf Club.



Conservation On Golf Courses

Do we, as greenkeepers, do our best for conservation? When the greens committee requests that the long rough grass behind a certain green be cut to semi-rough and kept like that, do we automatically say: "if that's what you want, that's what you'll get," or do we try to argue the case for leaving the area natural from a conservation point of view?

To the majority of golfers that area looks like a bit of rough ground. To someone interested in nature, it is home to a multitude of insects, moths, spiders, voles, etc. Quite often, these natural rough areas are so far away from greens that they rarely interfere with play, except for the fellow that tries to land a full-blooded three-wood in the middle of the green during a summer like last year and then complains that the green isn't holding and he lost his ball in the rough 30 yards behind the green.

There are acres of natural rough grassland being cut down on courses all over the country for the sake of giving a course that manicured appearance. One of the funny things about golfers from inland courses is that when they go to play on seaside courses, they invariably come back with great praise for the condition of that course and probably quite rightly so. They never mention the acres of wild natural dunes, which could never be manicured!

More and more on inland courses, the members want this man-made look, which means we are under pressure to tidy up these rough natural areas.

We have all read and heard of the large scale destruction of millions of acres of forest all over the world and now scientists tell us that it must be stopped before damage is done to the environment. Different species of animals and birds are being threatened with extinction because their natural habitat is being destroyed daily. On a much smaller scale, we are doing the same thing on our golf courses when we cut down this and clean up that to give the manicured look to our courses.

I am sure that word manicured, when talking about golf courses, is another American import and now that we are making great efforts to return our greens to natural British golf greens, hopefully we will also consider the natural look for the rest of the course whenever possible.

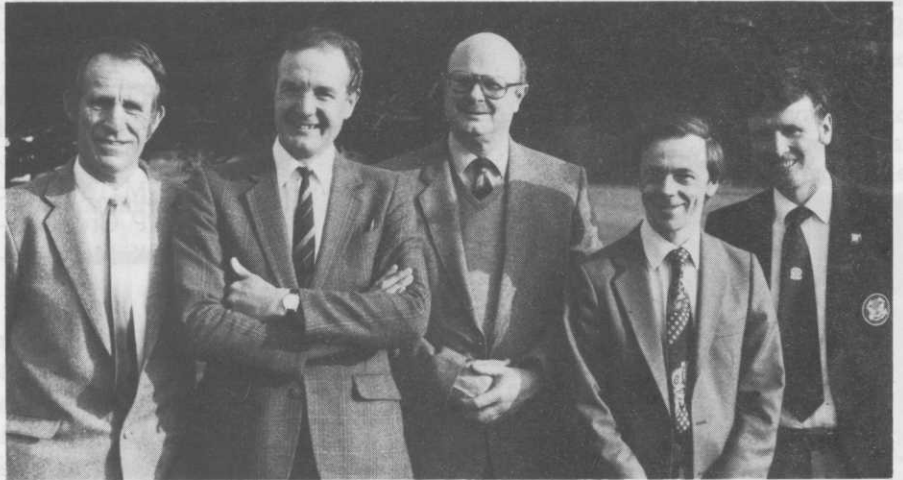
We should all look carefully at these areas of natural rough and before making the decision to cut it down and tidy it up, we should ask ourselves: Is it

absolutely necessary? Does it come into play? Does it really look untidy or does it look natural? If it is untidy looking, is it possible to hide or cover it by means of shrubs or trees?

Remember, you could be destroying the habitat of thousands of living beings.

Elliott Small, Central Secretary and Treasurer.

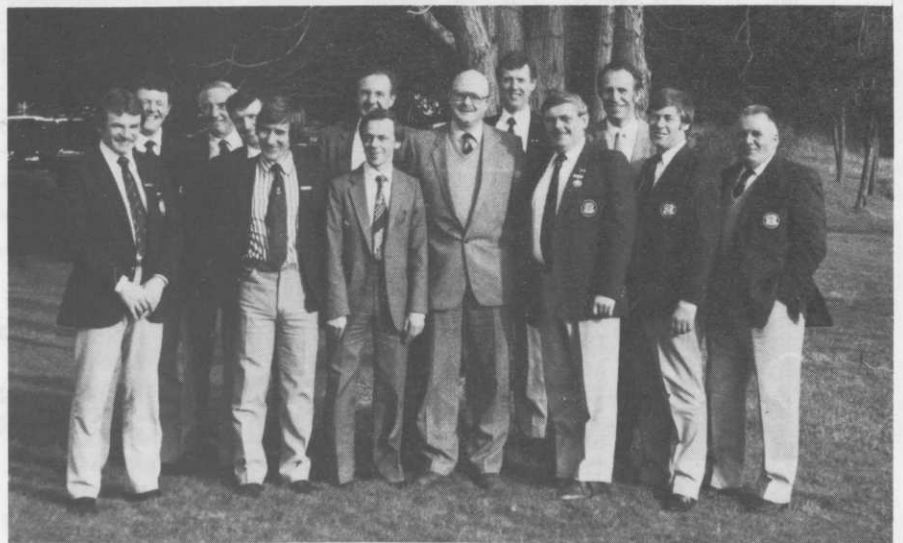
Some Gathering!



A highly successful early-season seminar was held by the Central and East sections, in conjunction with the Sports Turf Research Institute, at Dunfermline Golf Club. An excellent day was enjoyed by some 130 head greenkeepers, assistants, apprentices and club officials.

Four speakers from the STRI—Gordon McAdam, David Boocock, Dr Peter Hayes and Roy Woolhouse, pictured above with Elliott Small, who organised the seminar—covered all aspects of golf course work, from construction to maintenance and the problems of poa annua and disease.

The group shows: John Crawford (Central Secretary), John Philp (St Andrews), Joe McKean (SIGGA general secretary), Elliott Small (Central secretary and treasurer), Sandy Brown (Central chairman), David Boocock, Roy Woolhouse, Dr Peter Hayes, Jimmy Kidd (Gleneagles), Jimmy Neilson (SIGGA president), Gordon McAdam, Willie Blair (East secretary) and Jimmy Paton (East chairman).



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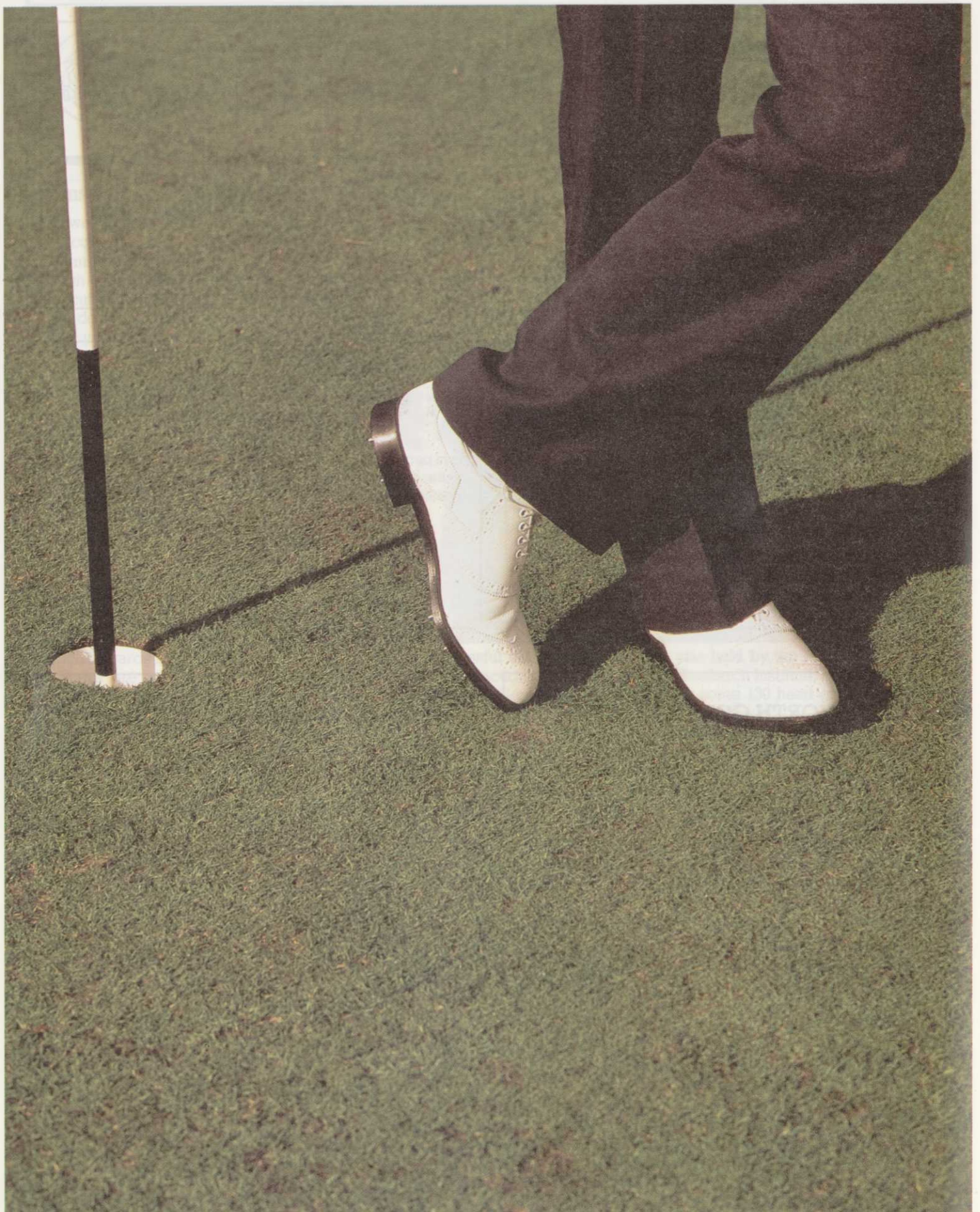
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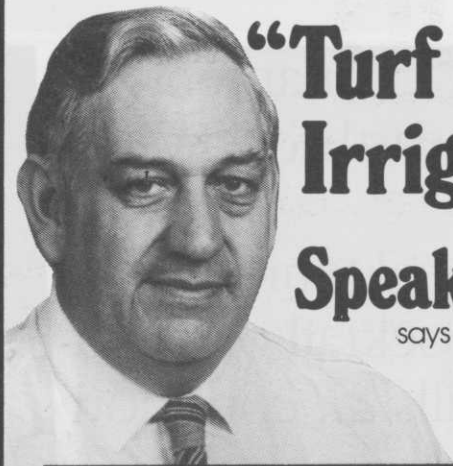
And of course, it does all this without harming established turf in any way whatsoever.

If you don't happen to be overrun by quite such a wide and tenacious range of weeds, then ordinary Verdone will probably do the trick. (It's cheaper as well.)

To find out more about how you can prepare yourself and your course for the day Sevvie turns up to play a round get in touch with ICI to find out your nearest Super Verdone distributor.



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HEATHLAND

Maintaining the balance and balancing the maintenance.

By Kevin Munt, course manager at Hankley Common Golf Club, Surrey.

HOW MANY of you feel that you are balancing on a tightrope in your efforts to maintain the correct environmental conditions in which agrostis and fescue grasses may thrive?

All of you!

Well, that's good news for greenkeeping and golf alike. Of course, you never stop the balancing act, even if you have 100 per cent agrostis/fescue greens, tees, approaches and fairways. Maintaining that Utopian course requires constant vigilance and skill. No matter how skilled the tightrope walker, one lapse in concentration and it's a long way to fall.

If we now widen our view of the golf course and take a look at its whole ecological system and environment, we will find that it is not just our playing surfaces that need close attention. The areas of land we are in charge of, or are working on, are under constant change. This process of change may be very slow in some environments—eg linksland—or very fast in the case of heathland, where, if man does not intervene, nature will take its course and create a forest.

I often feel that we spend a lot of time hunting the demon *Poa annua* and providing firm fast playing surfaces without giving consideration to the surrounding habitat.

In one man's all-too-short lifetime, he can have a major effect on his environment—whether it be just in the back garden or changing the world. Most of us wish to leave our mark on the planet, hence man's love of gardening.

Sunningdale has had four men in charge during its history, each one has left his mark or, in Jack McMillan's case, is leaving his mark. I once read in a Jim Arthur report (a man who has certainly made his mark) that 'preservation is not conservation.'

We must conserve our golfing environments not preserve everything that grows on them, which leads me on to the subject of conserving our precious heathland golf courses for the enjoyment of generations of golfers to play on and greenkeepers to work on.

It is often said that linksland was laid down by the Lord for man to play

golf on. Well, I happen to believe that, on his day of rest, he layed down some heathland and moorland so we wouldn't have to trek down to the coast to find a good test of golf.

This was converted into fine golf courses by men such as H.S. Colt, Willie Park, Herbert Fowler and James Braid. The open rolling aspect of this heather-covered land was a great attraction to them. They found free-draining and sandy soils that supported the bents and fescues found on the links from whence they came.

Many of these courses have changed a great deal since they were first laid out in the latter part of the last century and early part of this one. Many of these changes concern the vegetation now found surrounding playing areas. The planting of trees and shrubs has completely changed the landscape that would have first greeted these course architects.

Heathland

I wonder how many of the courses described in golf course guides as heathland can be found on true heathland? To answer the question we must first define 'heathland.' And to take a leaf from Eddie Park's article in the January/February edition of *Greenkeeper*, what is the 'case history' of heathland?

Heathland is found in lowland areas of Britain on poor dry soils, mainly on land once covered by glacial activity or rivers. These soils are sandy and free-draining. The soils have become podzolised due to the leaching out of the soil's nutrients and minerals. These are often deposited lower in the soil's horizon making an impermeable pan known as iron stone (iron salts). This leached soil is very acidic.

There are exceptions to all rules and Walton Heath could be described as the exception to this one, as it is on a much richer soil. It is a characteristic of heathland that it has a very restricted range of flora and fauna. This is the key point to remember when maintaining the balance on heathland. The soils offer little potential for most plant life.

Just as we do not encourage a

diversity of grasses on our playing surfaces, we should not encourage a diversity of plant life on our heathland. In fact, as soon as we do, we can no longer describe the area as true heathland.

Another important point to remember when dealing with heathland is that it is a man-made environment. It is land that was claimed by man from forests for grazing his livestock. This land was then retained by burning and grazing to keep down trees and scrub.

Today, casual grazing is not widely practised as it is uneconomical. Thus, much of our heathland is lost as natural succession takes over and the heaths revert to woodland, or grazing is improved by encouraging lush pasture with the use of fertilisers and lime. This is where the main paradox of heathland lies. Whereas most other habitats and ecosystems are interesting due to their large diversity and the diversity is often greatly encouraged, the correct management of heathland should seek to avoid diversity and fertility.

From this description and definition, how many courses in Britain could be described as true heathland? If you know of one, let me know, for I would love to see and play it.

Fire is a most important factor in the heathland ecology. On the grouse moors of Scotland, thousands of acres are burnt in managed fires to ensure a succession of new heather growth. The fire will prime the dormant heather seed to induce growth and will destroy the competitive vegetation.

Due to urbanisation and forestation, even the controlled burning of heather on a golf course is not possible. We have to use mechanical and chemical methods to maintain our ling (*calicina vulgaris*). This can create a problem as the build up of cut material can interfere with plant regrowth and provide nutrient to the soil.

The cutting of heather is a highly sensitive subject at most clubs. It is vital if the plant is not to become leggy and very woody. Cut it too low too often and you create open spaces between the plants, which will be



The open heathland across Hankley Common's 10th and 12th is typical of golf course land that is fast disappearing.



The 1st fairway where Kevin Munt aims to maintain a balance between heather and Scots pine.

invaded by grasses. Even agrostis and fescues are not desirable among heather.

The aim should be to provide a succession of dominant heather with more mature plants growing in the deeper rough providing seed and a habitat to support some more interesting wildlife. I would suggest that a cut in the early spring rather than autumn so that the ling has a chance to seed fully.

As most heathland courses try to maintain the almost impossible balance of Scots pine, silver birch and rowan growing alongside heather, we create another problem.

We are encouraging a change in the environment towards woodland. Litter from deciduous trees provides organic material to the soil, thus supplying nutrients that will encourage the whole chain reaction of invasion from undesirable plants.

Scots pine and silver birch saplings are a major problem in themselves and it is a constant fight to prevent them from getting the upper hand. Ling has adapted itself to an open dry

habitat. Trees give shade and their litter retains moisture, thus the heather will recede due to an undesirable environment being created. At this point, natural succession has the upper hand.

Many of the wooded areas around golf courses are neglected due to a lack of money, labour and even care, which is hardly conducive to maintaining the heathland nature of courses.

Encouraged

Some years ago, it was decided that trees should be encouraged on heathland courses—the reasons for which are many and would require an article of their own. The heathland manager now has to cope with the legacy left from these plantations. I am not suggesting that Sunningdale Old Course would be better without its majestic setting provided by Scots pine and silver birch, or that it should fit the true definition of heathland. I would, however, like to be able to

hear Willie Park's view of the present vista.

Golf traffic and the use of trolleys and motorised buggies, plus the use of mechanised greenkeeping equipment, has caused another major threat to heaths. Erosion, due to the sandy nature of the soil with little organic matter to cushion wear, has led to large tracks being worn through lovely swathes of heather. Permanent single routes through heather for golfers and machinery should be encouraged. An appreciation by golfers educated in the complex and unstable environment that exists under their feet would also go a long way to ensuring that the heathland golf course, in its true environ, will be retained for future generations.

In writing this article, I would hope to encourage users and managers of heathland to look at their lovely environment on a broader scale. Four per cent of Britain's heathland is lost to bracken alone each year. We who

Continued on facing page...

Heathland— Continued...

work in this environment have a duty to conserve as much of this disappearing land as possible.

Let us not lose any more of our

heathland golf courses to trees, bracken, gorse, undesirable grasses and mismanagement due to ill-conceived ideas of what a heathland golf course should look and play like.

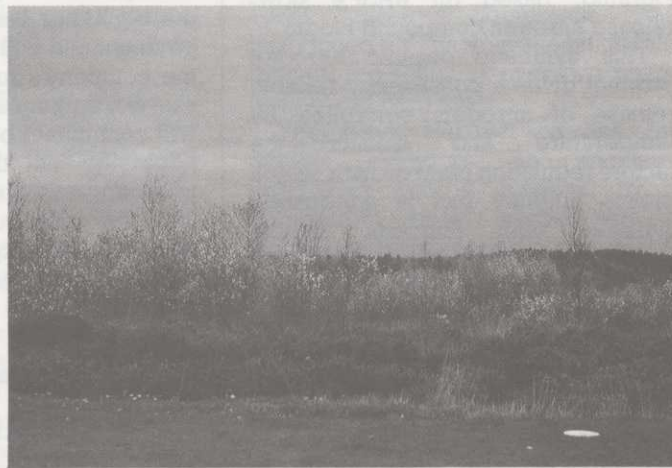
Next time you are out on a heathland course, whether working or playing, take time out to see how much of the heathland remains

according to the true definition I have described.

If you are carrying out your 'tightrope act' on a heathland course, ensure that you are maintaining your balance. I and many others would hate to see you topple and, thus, lose more of that fine inland golfing terrain laid down on the seventh day.



Open and tree-lined fairways.

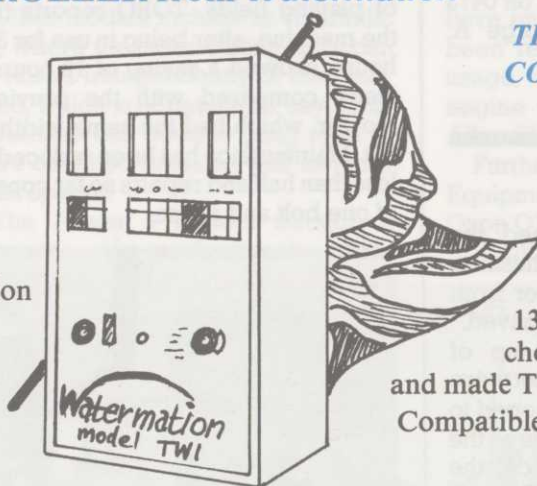


Silver birch invasion of heathland as natural succession takes over.

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New Into The Market

BASF, one of Europe's largest fertiliser and agrochemical groups, has now entered the UK amenity turf management market with a slow-release fertiliser range called Floranid, based on BASF's slow-release nitrogen compound Isodur.

This synthetic organic nitrogen product gives a consistently reliable release of nitrogen, controlled by temperature and moisture—the factors regulating plant growth, which means amenity turf is adequately supplied with nutrients without producing the flushes of growth usually associated with conventional turf fertilisers.

The result, says BASF, is even growth, improved turf recovery, increased root development and a turf surface better able to withstand the pressures of use and climate in everyday management situations.

The Floranid range contains four products with applications for use on all amenity turf areas. George A. Palmer has been appointed the sole UK wholesale distributor for these products and a list of appointed retail distributors is to be announced.

Further details can be obtained from John Hinton of BASF UK on 0473 822531 or Jim Green of George A. Palmer on 0733 61222.

The Motomop Rolls On

A British invention that eased the frustrations of sports enthusiasts world-wide by removing water from rain-soaked pitches has been saved.

Creditors at the winding up of Motomop of Ilminster, Somerset were told by the liquidator that he hoped to sell the rights to manufacture the motorised sponge roller. Since, the Motomop stock, plant and machinery, together with patents, trade marks, copyrights and US licensing agreement, has been sold to MFM of Dunstable, Beds.

A director, Mike Butterfield, a former national sales manager of Motomop, said that he and co-director Alan Smith, a turf-care expert, planned to manufacture the machine at Hednesford, Staffs. They have invited the inventor of the Motomop, Lou Weatherill, to advise on future development. "Our immediate aim is to look to the overseas market,

Europe," Butterfield said. "We have already received enquiries from Australia and New Zealand."

The Motomop will again be available for this year's PGA European Tour events and there are plans to extend its use into industrial locations.

As part of the agreement with MFM, the liquidator has received an initial payment and will get a percentage of the company's future earnings. "The sale not only means that this machine will continue to be manufactured but, hopefully, as the new company prospers, a dividend will be available for the unsecured creditors of Motomop," the liquidator said. particularly Japan and western

TORO At St Andrews

After extensive trials, TORO's Scottish dealer, A.M. Russell of Edinburgh, has announced an initial order from the curator of the University of St Andrews for the TORO 350D Reelmaster.

The TORO 350D is used at St Andrews for cutting some 120 acres of university grounds. It is also used to cut the ski-slope and finish the edges of playing fields. TORO reports that the machine, after being in use for 300 hours, showed a saving of 12 hours a week compared with the previous mower, which had the same width of cut. Maintenance has been reduced to less than half and repairs so far consist of one bolt and a fuse.

Agar Will Have You Agape!

A three-gang, linkage-mounted cylinder mower suitable for tractors of 15bhp and above is the latest from Agar Equipment.

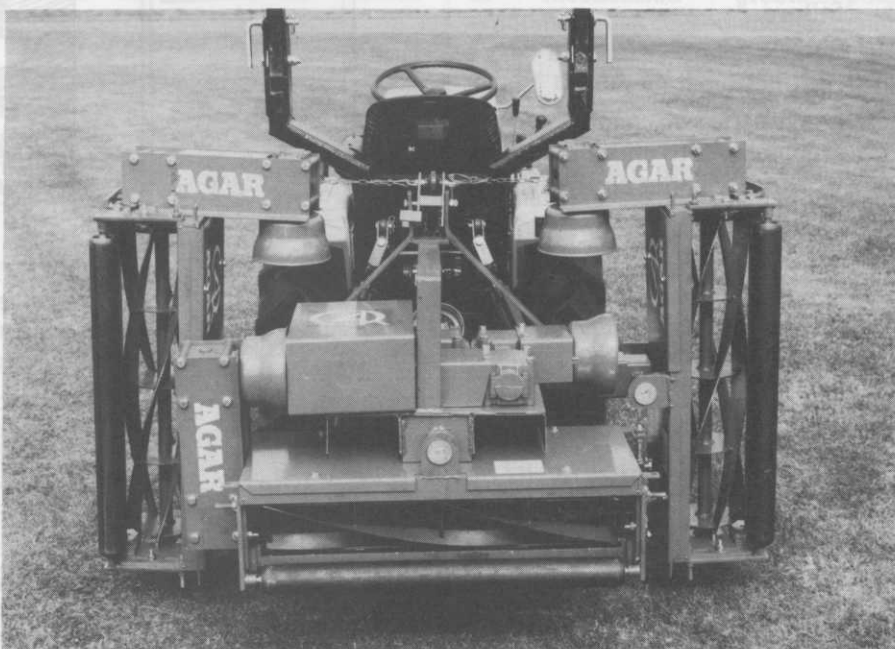
The 220 has a direct drive gearbox system that eliminates the use of all belts and chains. The drive assembly incorporates three 1³/₈in, six-spline outputs, which drive the pto shafts to the cylinder gearboxes—a sheer pin device protects each cylinder. Maintenance requirements on the 220 are claimed to be minimal and do not require skilled labour—all grease nipples are easily accessible.

Being a rear-mounted, compact machine, the 220 can be instantly detached and reattached. This is seen as a distinct advantage over mid-mounted mowers which, because detachment is troublesome, are often left fixed to the tractor for an entire season.

The three cylinders have an overall cutting width of 86in and are designed to follow ground contours closely with sufficient overlap for tight turns.

On approaching a narrow opening between trees, etc, the machine's width can be reduced by removing one or two cylinders—a simple task that takes only a minute. The main frame folds for easy transportation.

The 220 costs £3,500 (plus VAT). A full specification can be obtained from Agar Equipment, Unit F4, Blackpole Trading Estate, Worcester, Worcestershire WR3 8SG. 07095 52717.



Agar Equipment's latest cylinder mower—the 220.

An Apt Machine From AFT



The Skid-Steer Trencher.

In addition to its range of self-propelled and tractor mounted versions, A.F. Trenchers has developed a trencher attachment for Gehl Skid Steer Loaders enabling them to trench for electric cables, water pipes and all other small underground services.

Ideal for use on 45hp machines with a high capacity pump, the trencher uses a reversible hydraulic motor to drive the digging chain. Extra power for removing underground obstructions can be provided by a flywheel geared to this motor.

Called the AFT S.30, the trencher mounts easily on the lift arms of the loader and a depth control wheel enables the correct height for trenching to be maintained. Quick-snap fittings are used to connect the hydraulics. No external controls are required as the loader's normal controls are used for steering, crowd speed, depth control and to engage drive to the chain. The minimum trench width is 12.5cm—the maximum 30cm. Maximum depth is 1.20cm. A single worm auger places the soil to one side of the trench. Offset digging is provided as standard to the full width of the machine, either side of centre.

The approximate cost is £3,500 (plus VAT), according to trench specification. For further details, contact A.F. Trenchers, Gosbecks Road, Colchester, Essex CO2 9JS. ☎ 0206 44411.

Power To All Our Friends

Two years ago, the Power 5 pto driven gang mower was first launched on to the market. It's a British designed and built machine for professional grass-cutting operators needing a high work rate machine, able to stand up to heavy duties, but simple in design.

Since that time, the Power 5 has become widely accepted for its versatility in operation and transport and ability to cope with long and wet grass.

However, to fulfil the needs of greenkeepers, a machine was developed with fully floating cutting heads that follow the ground contours without scalping.

On this machine, each cutting head is fitted with front and rear rollers that support the head and govern the height of cut. Quick height adjusters enable alterations in cutting height to be made easily and without the need for spanners. The minimum height of cut is 1/2in and the maximum 3in.

To enable the Power 5 to cut longer grass, the front rollers may be quickly removed and the cutting heads locked in the fixed head position. This is done by simply turning a locking pin on each of the cutting heads.

The Power 5 is also available with hydraulic lift to the cutting heads for those operators who frequently need to fold the machine for transport.

Other models include an hydraulic 3/5, where the outer cutting units can be raised independently of the inner three, which is of benefit to, say, local authorities that need to gang mow in more confined areas as well as more open spaces.

The Power 5 is sold through a network of professional grass

machinery agents throughout the country that can offer advice and arrange demonstrations. For further information, contact Rocraft, Brynhyfyrd Industrial Estate, Energlyn, Caerphilly. ☎ 0222 885778.

More Power From Allen

Allen Power Equipment has introduced a new National triple mower, the result of over two years testing and field trials.

The Allen National 68 has 7in cutting cylinders as standard equipment and is powered by a Lombardini diesel engine with a stated fuel consumption of one gallon for eight hours running.

As with all Allen National mowers, extensive use in production is made of standard 'off the shelf' items that are designed to keep running and maintenance costs to the minimum.

And the company has also launched a new high-output 18in air cushion mower as a result of a development programme that started two years ago. Using the latest computer-aided design techniques, air flow through the machine has been increased from 700 cu ft per minute to 900 cu ft per minute.

Even though more air passes through the machine, Allen engineers have ensured that engine speed has been reduced, resulting in less fuel usage, smoother operation and less engine wear. The price of the new Allen 218 is £189.50 (plus VAT).

Further details from Allen Power Equipment, The Broadway, Didcot, Oxon OX11 8ES.

☎ Didcot 813936.



National coverage with the new 68 model.

Flying The Flag

For 21 years, Bridges Pennants has supplied a variety of golf club needs across the country from its Essex seaside base.

Arthur Elvin, the man behind the company, recalled how it all started. "I was made redundant from my previous job and began to notice how tatty some courses looked. I felt I could provide quality equipment to tidy them up and set out to do just that."

One of his first customers was Brian Huggett, then the professional at Romford. Now the company sends flags all over the UK, to the Algarve, Malta, Spain and Switzerland, as well as to most major golf tournaments. "We distribute 72,000 flags a year," Arthur added. "They last, on average, around six to eight months, but that obviously depends on the weather."

"Too much wind or sun can shorten their life, although I have known some of our flags to still be going strong after more than a year."

It is not only golf clubs that call for flags. Manchester United, Liverpool and Everton are among clubs who have availed themselves of the service, as well as many rugby clubs.

Pat Bridges, partner and flag designer, is regarded by many as one of the best flag makers in the business and she only engages top machinists.

Arthur says he carries enough stock to ensure a return of post delivery on most items. "There are 6,000 hole cups on the premises and something like £25,000 of golf flags."

A PVC flagpole was designed by Arthur and has been a top-selling line for many years. "We started producing them in fibreglass last year. These are unbreakable and have proved very popular. There are also 93 different signs we can supply—everything from 'ground under repair' to wide wheel trolleys only."

"We also have a wide selection of bag tags, tee plaques, hole borers, tee markers, rope, plastic chain, ball washers, even a putter once owned by Art Wall—you name it and it's here somewhere!"

Arthur showed with pride a letter from the governor of the Falkland Islands Sir Rex Hunt and Dennis Thatcher thanking him for a Stanley Golf Club tag.

"We were asked to re-equip the Stanley club after the end of hostilities," he said. "Our agent, Maxwell Hart, handled the most part of that transaction."

Golf course design has also



Whatever you want, Bridges Pennants can probably supply it...

featured in the company's work over the last few years. One club in particular, Ballards Gore in the Essex village of Canewdon, has often consulted Arthur for advice. He has been involved in the club since setting up the first nine holes. This year, it becomes an 18-hole layout.

Arthur, was once asked by a Kent club to provide a claxon, ship's bell

and a 78 of *God Save The Queen*. "We managed to find them. The horn and bell were wanted to signal to golfers that a couple of par threes were free to play, but I never did find out why they wanted that record..."

Full details from Bridges Pennants, 68 Southchurch Avenue, Southend-on-Sea, Essex SS1 2RR.

☎ 0702 612344.

IOG Celebrates 40 Years Success

The Institute of Groundsmanship annual international exhibition celebrates its 40th anniversary this year by mounting the biggest event ever held for the sports and leisure industry from September 17-19.

A total of over 40,000 square metres of display and demonstration space has already been booked. Only a few

units of part-covered stands remain available and a small area of open space. There are also a limited number of stands available in the new closed pavilions.

As part of the celebration, the exhibition has adopted a new logo (illustrated). This will be featured on Press advertisements and announcements, literature, entry tickets (including trade invitation cards), as well as admission passes and special lapel badges for the exhibitors and Press.



Better At The Edge

The Cherwell Edge Golf Course has completed an additional nine holes and a clubhouse, including bar and catering facilities, is now in operation.

A municipal course, it is situated four miles to the east of Banbury, Oxon. The first 100 acre site was purchased in 1973 and, subsequently, 68 acres were developed for a nine-hole course. During 1981, an offer was made to the council of a further 43 acres of land to the south. The purchase was completed in March 1982 and the balance of the original acreage sold to off-set the cost of the new land.

The original nine-holes were developed from an arable field and included a putting green and practice area. Development of the new nine holes began with earth moving equipment and a Youth Opportunities team of 12 being employed. Later, further money was set aside for specialised earth moving and drainage equipment.

From March to September 1982, approximately 70,000 cu tons of soil were moved and the soil converted into compost materials and re-sited to provide the extensive grounds that now exist.

The new greens were created in the development's first year with the exception of the sowing of three greens which, due to weather conditions, had to be curtailed. During the following year, further earth moving took place and a team from the Manpower Services Commission was employed.

This team consisted of older people with some knowledge of agricultural



Cherwell Edge's pro Richard Davies and council parks manager David Harrison flank greenkeeper John Donaldson.



The 18th green and 13th fairway beyond.

work. During 1983, work continued on the construction of tees, clearing woodland and completing drainage works. All work was completed by

September. During the early part of that year, an automatic watering system was installed on the course by a specialist contractor.



Ground work at Cherwell Edge.



People, Places, Products

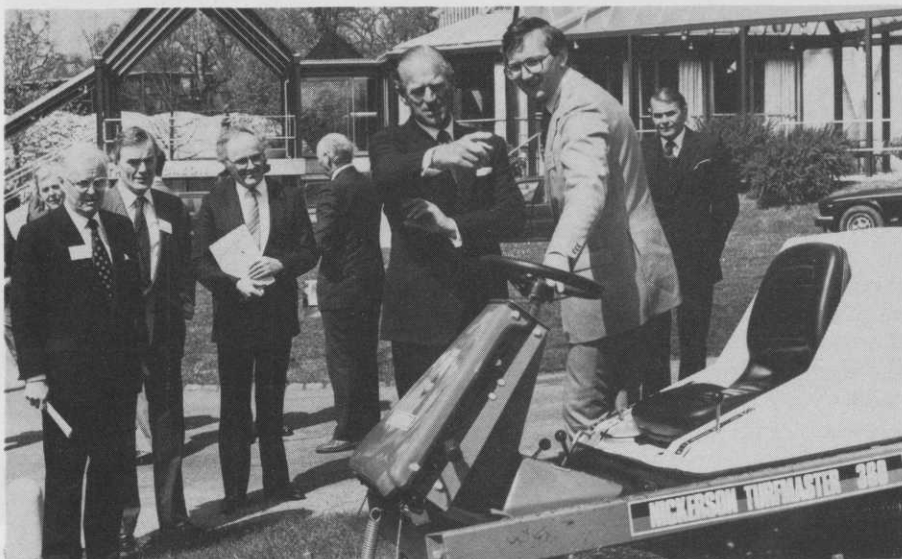
Nickerson Turfmaster was recently presented with its 1985 Design Council Award by HRH The Duke of Edinburgh at the National Motor Museum, Beaulieu, Hampshire. The award, which was won by the Nickerson Turfmaster 360, is believed to be the first given to a grass cutter for professional use.

Formerly European sales director for the Toro Company, Philip York has established a turf and landscape irrigation consultancy for users and specifiers throughout the UK, Europe and the Middle East.

With nearly 20 years irrigation system design and installation experience, Philip said: "I aim to fill a vital gap in the sports turf and landscape markets, where my objective advice and assistance can be used by potential irrigation system purchasers to their advantage."

Citing golf clubs as typical, he said: "Very few greens committees or greenkeepers know enough about sprinkler irrigation systems to be able to evaluate designs and tenders submitted by contractors. By calling me in, they can obtain objective, unbiased advice and guidance before committing the club, its members and their money to installation."

Philip, the British Turf Irrigation Association's first chairman, added: "The BTIA established some fundamental design and installation parameters years ago but, unfortunately, there are still examples of sub-standard systems being quoted. It is my intention, as a founder member of the BTIA, to ensure that not



Graham Templeton, commercial director of Nickerson Turfmaster, shows HRH The Duke of Edinburgh the award-winning 360.

only are these standards upheld, but improved for the benefit of the trade and end-users alike."

For further information, contact Philip York, Touchwood, Ripley, Brangsgore, Christchurch, Dorset BH23 8ES. ☎ Brangsgore 73892.



Philip York.

Bruce Hanham, 40, has been appointed general manager of the bowls specialist company Drakelite. Bruce was formerly divisional manager of Cameron Irrigation, based at Littlehampton, and has been closely linked with the sports and



Bruce Hanham.



Mr JONES LETTER PAGE 11

Mr. Arthur has no comment. Except to point out that he was never Wentworth's adviser, and that he only inspected the Course on behalf of of the P.G.A. (European Tour).

**Appointments
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leisure markets. He is a qualified engineer, who specialised in commercial management and was awarded a fellowship from the Engineering Training Board in 1983.

Married with two children, Bruce is an active sportsman, covering football, swimming, golf, cricket, table tennis, squash and now bowls. He can be contacted at Drakelite, 81 High Street, Southwold, Suffolk. ☎ 0502 722002.



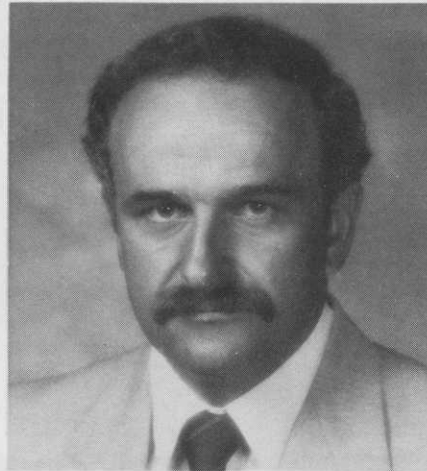
Curt Kimpfbeck.

Curt Kimpfbeck has been appointed director of international sales for Jacobsen. As head of Jacobsen's international department, Kimpfbeck assumes responsibility for increasing sales through the company's network of more than 50 distributors in the UK and Europe, South and Central America, Africa, Asia and Australia.

Previously, he was director of international distribution for Jacobsen. He and his wife Carol live in Racine, Wisconsin.

Ransomes Sims and Jefferies has appointed Helmut Adam, 35, to the main board of directors. President of the company's USA subsidiary in Wisconsin, he was vice president finance until taking up his present

position in 1983. Married with two sons, he left East Germany with his parents 30 years ago to settle in the United States.



Helmut Adam.

Paul Wright's Aeration and Drainage Services offers 'an experienced greenkeeper with a Verti-Drain for hire.' To date, Paul has been commissioned by head greenkeepers John Millen at Canterbury GC, Mike Lower, Chipstead GC, Bob Tingey, Holtye GC and Brian Turner at Worpleston GC. He has also worked at the Coulsdon and North Downs clubs, for Basingstoke and Rushmoor councils and Southampton Football Club at The Dell.

April-June's edition of the *Sports Turf Bulletin* is a special on bowling greens. Features include notes on construction, spring and summer work, autumn and winter maintenance, special problems with flat greens and pests and disease.

The Hampshire College of Agriculture is running a full-time NCH course in greenkeeping and sportsground management,

beginning at the end of September and finishing during the last week of June next year. Half the course will be practical, covering the principles of plan., growth, greenkeeping and sportsground management, estate and landscape maintenance, supervision and turf machinery. Full details and application forms from Bob Dennis, Head of Horticulture, Hampshire College of Agriculture, Sparsholt, Winchester, Hampshire SO21 2NF. ☎ 096 272 441.

A review of sales and promotional activities by the six distributors of the Steeley Vitax Key range of fertilisers and specialist products reported a 21 per cent increase over the 1983-84 trading period and a further 13 per cent boost in the first quarter of this year. Trevor Martin, manager of Steeley Vitax, has appointed two new distributors—Fyffes Monro in Burscough and Percy Garford at Wisbech. A further appointment to cover south London, Kent and Sussex will be made.

Ransomes technical sales manager Brian Mitchell has been invited to represent the company on the Golf

Continued overleaf..



Brian Mitchell.

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People, Places, Products Continued...

Course Superintendents' Association of America's education committee and industrial advisory council.

The invitation to join the two GCSAA committees recognises Ransomes' increasing influence in the United States. "It's a great honour and I feel we've arrived in the US," Ransomes sales and marketing director Guy Catchpole said. Brian is the first resident outside North America to serve on a GCSAA committee.

The third National Turfgrass Conference takes place at Nottingham University from September 25-27. The theme will be *Better Grass, Greater Value*. The full package costs £90, while the conference fee only (no accommodation or meals) is £45. Full details from John Shildrick, 3 Ferrands Park Way, Harden, Bingley, West Yorkshire BD16 1HZ. ☎ 0274 565131 or 0535 273188 (evenings).

Due to demand, TORO has produced weather cabs for some of its commercial models. Cabs are now available for the Greensmaster 300, Groundsmaster 220 and 2170 and Reelmaster 350D. Each cab comprises a steel frame and roof, glass front top screen, perspex front lower screen, wiper and motor, roll-up PVC curtain on the sides and rear,

access zips to the left-hand side and sound deadening in the roof.

Full specifications can be obtained from Graham Dale, sales manager of Lely Import, on 0480 76971.



The Groundsmaster...



...And The Greensmaster.

Any readers managing a golf course with fairy rings, including so-called 'superficial fairy rings' (thatch fungi), who would be prepared to co-operate with a research project supported by The Royal and Ancient Golf Club of St Andrews, should contact Roy Woolhouse, the Sports Turf Research Institute, Bingley, West Yorkshire, BD16 1AU.

In order to meet the growing needs of its expanding membership, the IOG is planning to relocate in new offices at Wolverton, Milton Keynes.

The move, which is being co-ordinated by the Milton Keynes Development Corporation, will bring an extra 1,000 square feet of floor space which will permit not only a fully-equipped suite of administrative offices, but also a computer room, conference facilities, boardroom, library and provision for storage and reference.

• The institute will no longer be directly responsible for the management and maintenance of the Woughton sports complex. The IOG and Milton Keynes Development Corporation will continue to maintain a close dialogue with regard to Woughton (which the IOG is sorry to leave) and other similar amenity complexes in Milton Keynes.

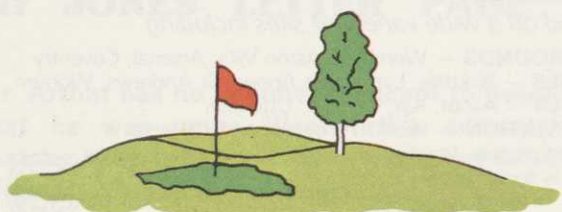
Hyett Adams, UK distributors of Husqvarna chain saws, has launched the new Husqvarna 40, a light and versatile chain saw with an automatic chain brake as standard equipment.

Due to a new ignition system, the Husqvarna 40 is easy to start. It requires only a light pull on the starter cord as the engine fires easily at low revs. The 40 features improved silencing on induction and exhaust resulting in a noise level of only 99dba. A new type of damper element has been incorporated between the engine and handle sections to reduce vibration levels and Husqvarna has reduced the number of component parts for improved reliability and simpler service.

For further information, contact Dave Seed of Hyett Adams on 045 382 2382.

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Jack McMillan
Course Manager, Sunningdale Golf Club

”

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A practical working knowledge of the use and maintenance of modern greenkeeping machinery together with the ability of motivating and directing staff is essential.

Salary and conditions negotiable.

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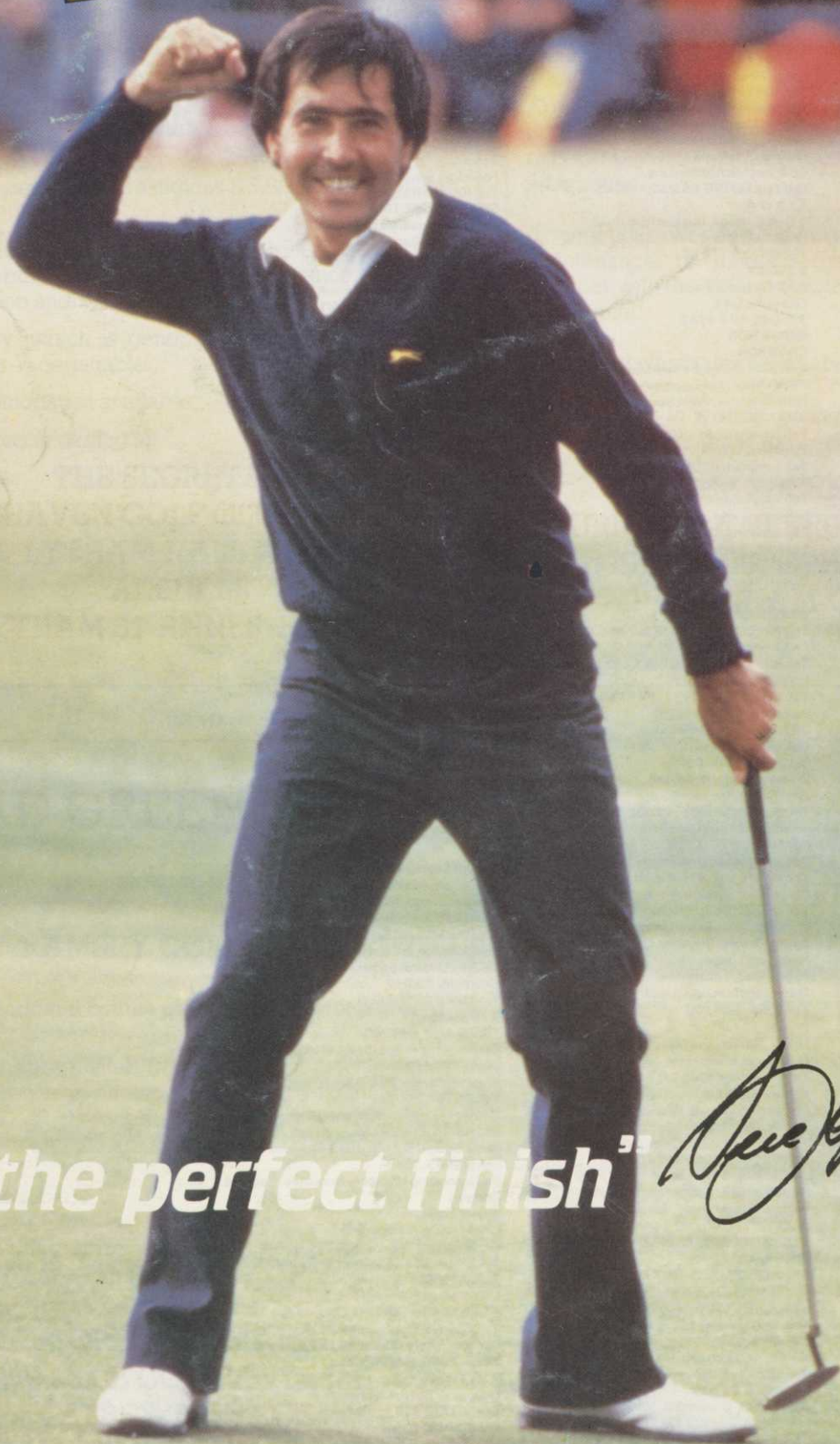
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Rigby Taylor House, Garside
Street, Bolton, Lancashire BL1 4AE
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