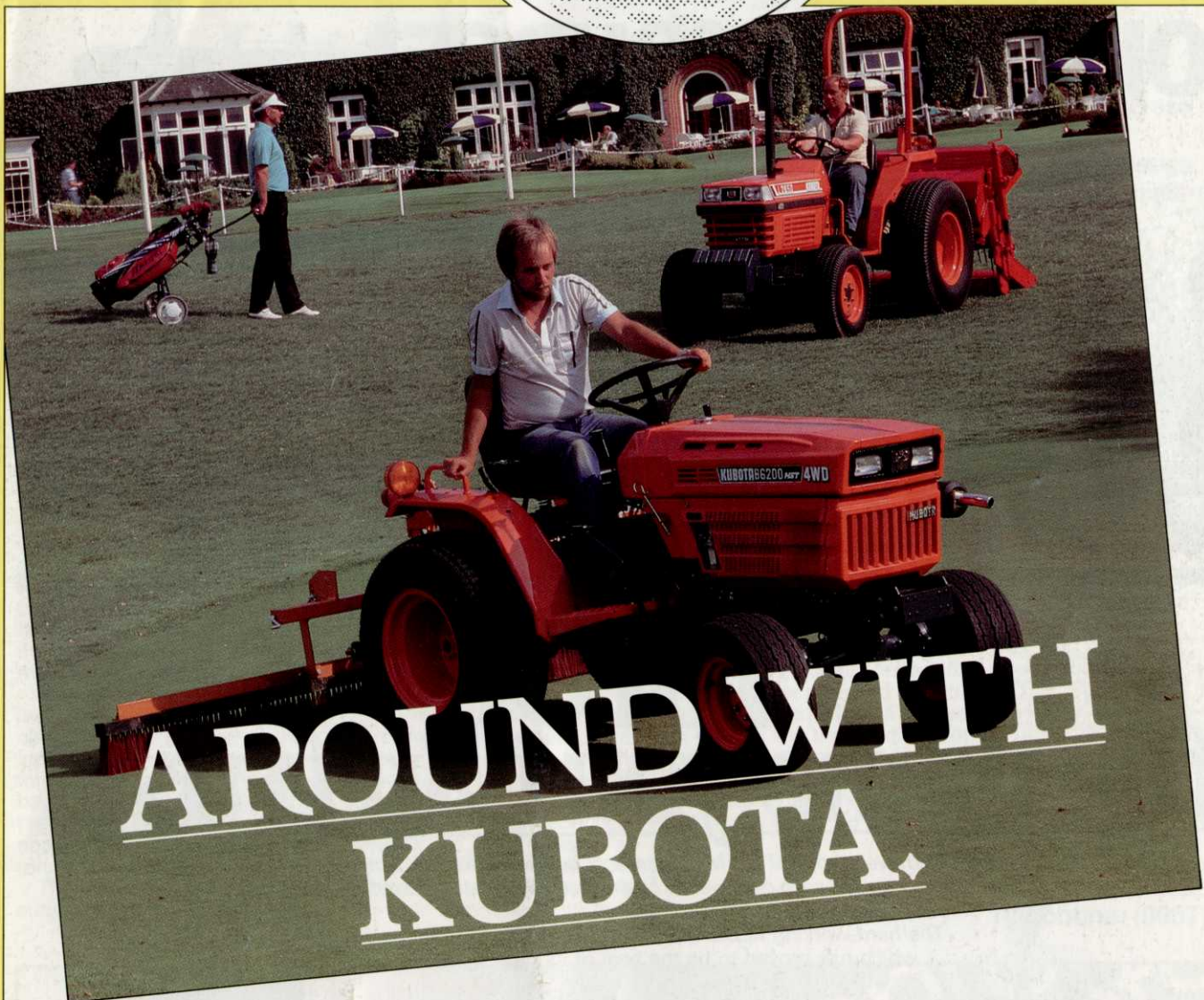


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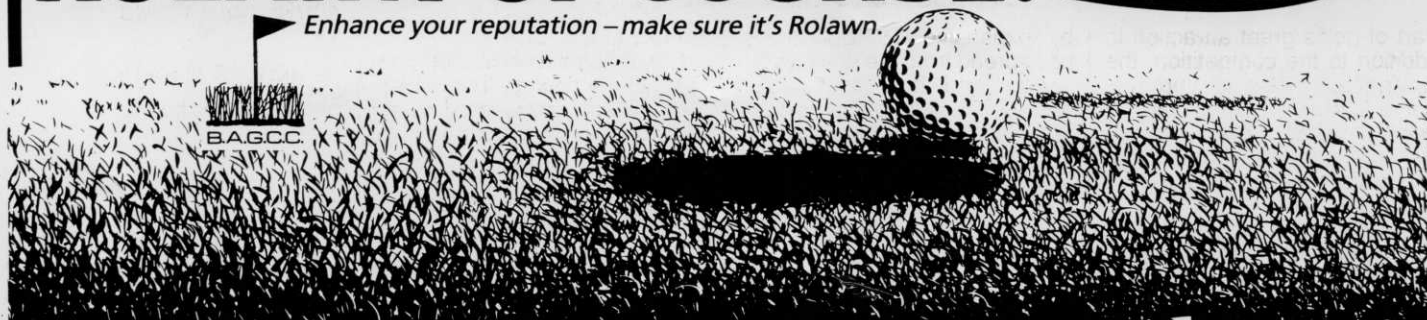
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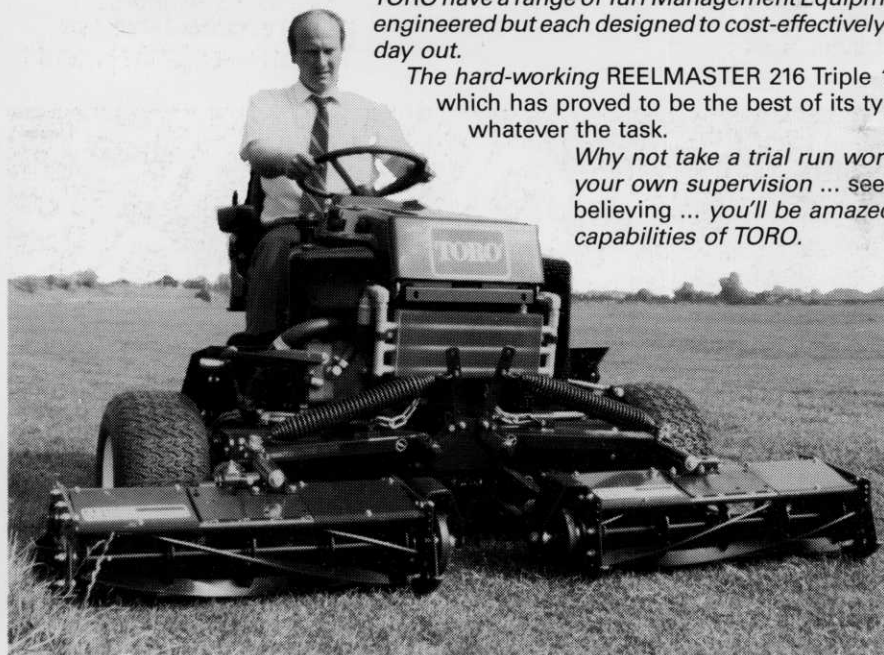
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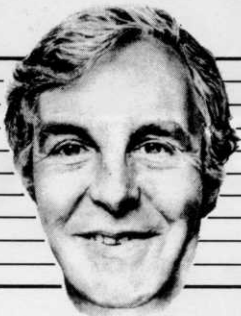
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Greenside Comment...



John Lelean

Litter Louts

Part of golf's great attraction in addition to the competition, the striving for personal improvement and unique fellowship among fellow golfers is the pleasure one can enjoy amid the tranquillity of nature's living environment.

Greenkeepers have moulded, sculptured and nurtured their individual domain to a place of beauty as well as an arena for sport. Why, we ask, is such a desirable piece of countryside subjected to acts of wilful desecration by none other than golfers?

Walk almost any course, both public and private, and one is faced with an accumulation of discarded drink cans, either dropped where the contents were emptied, thrown into bushes, stuffed down rabbit holes, hung in the branches of trees, floated down streams and even buried in the bunkers.

The mentality of these litter louts, who squeeze a tin into an obscene shape to enhance their fantasy of a Rambo image, before casting it to the four winds is beyond all comprehension. Do they think the greens, staff have nothing better to do than act as refuse scavengers?

The trend of soft drink consumption, no doubt stimulated

by expensive TV advertising, has spread from the home to the streets and now to the golf course. The time of the year appears to make little difference. The need for a drink on a hot summer's day is understandable, but some golfers now regard a couple of cans of Coke as a necessary part of the golf equipment.

The can is often opened somewhere on the fairway, the metal ring dropped just where the gang mower will run over it. Before reaching the next tee where there is invariably a convenient litter bin, the can is thrown into the undergrowth.

How much damage is caused by these rings is difficult to estimate, perhaps greenkeepers would like to look through last year's maintenance accounts and see for themselves.

The excuse is - *It is not the members, but must be golfers from visiting parties.* Although there may be an element of truth in this suggestion, on the grounds that the Chinese philosopher, Confucius, said "*Man does not foul own doorstep*", nevertheless, most golfers playing away are members of one club or another and if they do not foul their own nest there is no

excuse to foul another.

Such behaviour is not confined to the course. In one well-known club, considered to be fairly up-market, a member was seen cleaning his shoes in the locker rooms with one of the shower towels. When challenged his reply was "They all go into the wash, don't they?"

Until clubs insist on a more civilised standard of behaviour by making an example of those culprits caught in the act, the problem is likely to grow.

One club, or more precisely the professional, incensed by the litter on his course, organised the caddies to gather all the tins they could find. He piled them into a container outside the Pro's Shop, put up a large notice informing all concerned where this unsightly rubbish had lain and offered a bottle of whisky for guessing the number collected.

Thereby he achieved two objectives. The course was cleared of rubbish and the caddies split the sweep money.

Food for thought, for similar fund-raising schemes for Junior club members.

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Next Month:
Golf Course Tractor Survey.
Turfland's Open Day.



News . . News . . News . . News .

Quarter Million Pound Support for golf green research

The Royal and Ancient Golf Club of St. Andrews has pledged support totalling £250,000 for research on golf green turf at the Sports Turf Research Institute at Bingley over the next five years.

The research programme includes a major project on irrigation, construction and fertilizer nutrition of golf green turf and a minor project on the nutrient requirements of fine-leaved bent and fescue grasses and greens.

The results of the research should be of considerable benefit to all golf courses, and will hopefully result in a return to faster, firmer and truer putting surfaces.

Over-watering, says the R & A, has probably been one of the main causes of the deterioration of British golf greens. Club golfers often demand a holding surface. Because Clubs have invested in an irrigation system there is an almost compelling desire to use it, even when watering is not really required.

However, over-watering cannot be isolated from the effects of different media used in the construction of golf greens, such as sands and soils, with their varying water-holding capacity.

In turn, green construction cannot be considered separately from the efforts of fertilizer nutrition with its consequences for root growth and distribution.

Over-fertilizing produces a restricted root system with

limited access to moisture in the rootzone.

The project will examine the relationship between irrigation, golf green construction and fertilizer nutrition with a view to providing recommendations for irrigation and fertilizer requirements of greens.

It is now generally accepted that the invasion of fine turf by the annual meadow-grass (*Poa annua*) is enhanced by high fertility levels in soils. This is especially true for soil phosphate concentrations. Because of this, greenkeepers are encouraged to maintain a low phosphate status in golf green soils. However, it is important that information is obtained on the likely effect of low nutrient levels on the desired fine-leaved species of fine turf.

A 5-year experiment is to be undertaken at Bingley to study the phosphate and potassium nutrition of the bent and fescue species commonly sown on golf greens. This will produce information on the relative abilities of these species to take up soil phosphate and potassium together with the effects on wear tolerance and disease resistance of varying soil nutrient levels.

•End

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News . . . News .

IOG Show to move to Peterborough

The Institute of Groundsmanship is to move its annual IOG Sports and Leisure World Trade Exhibition from Windsor Racecourse to the East of England Showground at Peterborough in 1990.

The move has been made necessary because of the Exhibition's unprecedented success: new and existing exhibitors are clamouring for space, the 35,000 visitors annually have increasing expectations, and there is a growing number of delegations from overseas.

The Institute say they greatly regret the move will terminate a long and happy association with Windsor Racecourse but the change of venue will bring other marked benefits for the exhibitors — the 1990 Exhibition date will be almost two weeks earlier in the calendar, September 4, 5 and 6.

The 1988 Exhibition will take place at Windsor on September 20, 21 and 22, whilst the 1989 dates (at Windsor for the last time) are September 19, 20 and 21.

This year's Exhibition at Windsor

will be the largest ever. A record amount of trade stand space has already been booked; there is a greater demand for the demonstration areas; and a heavier than usual number of inquiries both from the UK and overseas have been received.

This showground site at Peterborough covers some 310 acres of fine parkland, providing approximately 365,000 sq.m. of outdoor space, and 2,500 sq.m. of indoor accommodation — with a further 4,500 sq.m. covered space held in reserve. Of the 105 — acres allocated to the event, 60,000 sq.m. have been reserved immediately adjacent to exhibitors' stands for working demonstrations.

The complex offers a vast array of amenities, including a private telephone system with 200+ lines available to exhibitors, a wide range of public and private catering arrangements and parking for 30,000 vehicles.

The success of the IOG Exhibition over its 50-year history has resulted in its outgrowing several venues: first Hurlingham, in 1938 then Motspur Park in Surrey, and now the Royal Windsor location.

Course alterations at Moor Allerton

Moor Allerton, the first Robert Trent Jones designed course, Britain is about to undergo its first major change since the 27-hole golf course to the east of Leeds was opened in 1971.

Last year the club was forced to make alterations to the 14th green, because of complaints

from a holiday caravan site, where mis-hit shots were said to be peppering the campers, but this has opened up an opportunity to build a new short 17th where a green will be set into the trees and the approach made over a small lake some 30 years from the putting surface.

This will also involve a change

Continued on page 7 . . .

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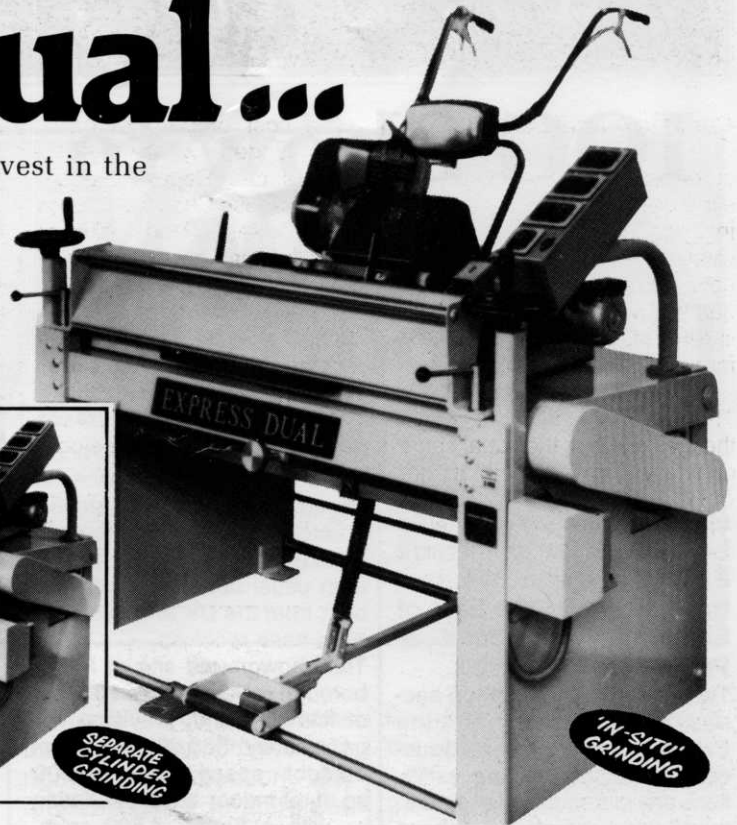
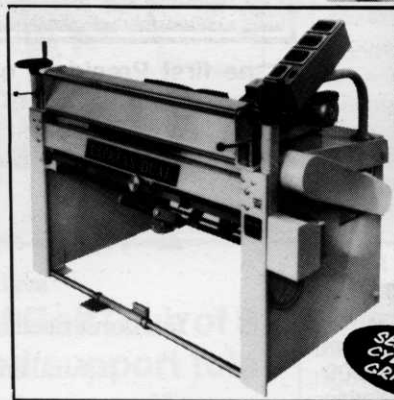
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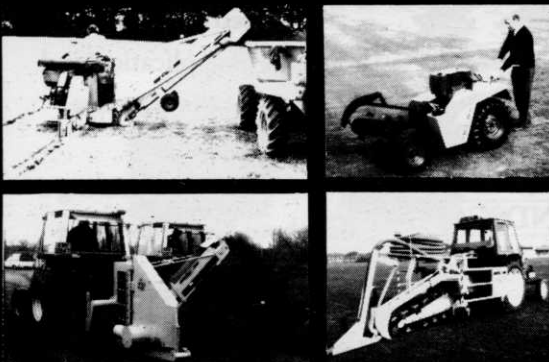
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News . . News . . News . . News .

Continued from page 5 . . .

of direction for the 18th hole, eliminating the punishing, sloping, dog-legged fairway and the climb up "heart-break hill" with a new tee at the back of an old quarry giving an almost straight line into the green over the lake in front of the clubhouse.

Golf course architect Dave Thomas has been credited with the design, but the idea came originally from Course Manager Colin Geddes, who was previously the Head Greenkeeper at the original Moor Allerton Course at Moortown, sold for housing.

The cost of construction is being funded by the Vehicle Builders and Repairers Association, whose Chairman Robert Hadfield said "Moor Allerton Golf Club has been extremely accommodating to the Association over a number of years allowing us to stage what has become the biggest one day tournament in the country. We felt by sponsoring the new hole we would be putting something back into future competitions and will serve to remind golfers of the close co-operation between the club and our Association.

German trainee to join Belfry Staff for holiday working

Last November we made an appeal for a British Golf Course to offer a holiday working position for a young enthusiastic German schoolboy from Hamburg.

A number of golf club greenkeepers and secretaries contacted our office offering to take Franz Bach on to the staff and although he was prepared to work for nothing to gain experience, without exception all the clubs said they would not hear of it. He would receive a rate for the job.

Franz has now accepted an offer from the Belfry, where he will join one of Britain's most competent teams of greenkeepers. He will see at first hand how the Belfry staff have made this West Midlands course one of the best in Europe, building on their reputation for preparing the 1985 Ryder Cup to produce an even more outstanding venue for the defence in 1989.

Franz, at 17 years of age, is already steeped in golf course maintenance. His family own the Grambek Club outside Hamburg.

He probably hits a good ball himself if family reputation has anything to do with it. Franz's Mother has represented West Germany and his sister is in the Hamburg Ladies' team.

FOR the past five and a half years this magazine has been produced and printed in the works of W. Kristall Ltd, a second generation family firm of printers in Leeds.

Regretfully, the company issued notice to all members of staff at the beginning of February, whilst the Editor was in Houston, unaware of the problems back home. It has now closed and the staff made redundant.

This accounted for the later than usual publication of Golf Greenkeeping, but it was put together, albeit two weeks behind schedule, thanks to the loyalty of

Further Developments for Greenkeepers' Association

The first President of the newly formed British and International Greenkeepers' Association is to be Viscount Whitelaw, recently retired from the Government after illness forced his resignation as Deputy Prime Minister.

He was the Captain of the R & A in 1969 and currently the President of his home club of Silloth-on-Solway, Cumbria, where he plays regularly and according to a very reliable source, knocks it round the 6,343 yard course in the low eighties.

His experience as a leading government minister over many years could be of great benefit to the Greenkeepers' Association, who have announced development plans affecting training, education and the enhancement of their professional status.

Funding for greenkeeper education has always been a serious problem, mainly because in the past the Golf Unions have not seen fit to accept the financial responsibility and only the more enlightened clubs have been prepared to pay for day

and block release education for their young trainees.

Viscount Whitelaw's influence in this aspect of greenkeeper education and training could prove invaluable to the Association members.

Greenkeepers will be in attendance at this year's Open Championship to be played over the Southport Links Course at Royal Birkdale, giving voluntary help to the full-time staff at bunkers, similar to the duties performed last year by the Scottish Greenkeepers at Muirfield, gratefully acknowledged at the presentation ceremony.

Neil Thomas, BIGGA's Executive Director has also announced a two day conference at Ayr in September in conjunction with the National Tournament and in January 1989 there is to be a turf management exhibition in Harrogate in parallel with a three day series of educational seminars.

Changes at Golf Greenkeeping

staff at W. Kristalls, who over the years have taken an increasing interest in the publication. Our thanks are extended to all those involved, particularly Stephen Spellman, whose creative design has made Golf Greenkeeping a well presented and attractive publication.

We are pleased to report his talents have been recognised and his services quickly snapped up by a leading firm of creative advertising agents.

The production of Golf Greenkeeping is now in the hands of the Walkergate Press at Anlaby, Hull, where the highly sophisticated electronic compo-

sition will allow an even greater creative flexibility.

A glance at our growing number of appointment advertisements will demonstrate the scope of equipment that is capable of composing an attractive eye-catching advertisement on a computer screen, in less than five minutes!

There are certain to be teething troubles in the first few issues, but Golf Greenkeeping will be back on stream within the next few weeks to give our increasing readership an informative, newsworthy, readable magazine.

Editor.

Greenkeepers and Pro. Golfers - Follow Through

Ask any greenkeeper to name the most aggravating trait among some club golfers and most will pick on those who do not repair their pitch marks, replace divots and walk out of a bunker without raking the sand.

A novel idea has born fruit in the USA where the Superintendents, Association and the American PGA have combined their resources to produce an attractive colour poster, featur-

ing Tom Watson, reminding golfers to "Follow Through."

The follow through refers to those unrepaired ballmarks, divot holes and footprints in the sand.

Most golfers know the etiquette of the game, or should do, but seem quite oblivious of their responsibility when it comes to putting the approved practice into operation.

Perhaps our own Greenkeepers' Association and the PGA could discuss a similar poster campaign in the clubhouses. If they do not think it is their responsibility maybe the Golf Unions might consider spending a little of the club subscription fee to promote better behaviour on the golf course.

CHEMICAL APPLICATION LOG

Due to the requirements under the Control of Pesticides 1986 to record all spraying operations, Chipman Limited have produced "The Chipman Pesticides Application Log" to enable professional Spray Operators to record accurately all spray applications.

The application log contains all the information that needs to be recorded - rate of application, area to be treated, spray volume etc and a special "tear off" instruction sheet for each Spray Operator.

They are available direct from Chipman Technical Representatives or Chipman at HORSHAM (0403) 60341 or HARROGATE (0423) 68658.

Pesticide Courses for Greenkeepers

In 1986 the Government implemented the Pesticide Regulations as part of the Food and Environmental Protection Act introduced in 1985.

One of the features of these regulations is the need for many of the people involved in the application of pesticides to undergo training and competency tests in pesticide use and application.

To meet these training demands, staff from Askham Bryan College, York, have themselves undertaken specialist training and the College is now running courses at the College and through its Extra Mural Centres, situated at Guisborough, Bedale, Harrogate, Easingwold and Pickering.

David Marsden who is responsible for organising Adult Training at Guisborough Agricultural Centre is also a member of the Greens' Committee at Saltburn Golf Club. As he was arranging for the greens staff at Saltburn to attend training he

thought it would be a good idea to run courses especially for greens staff in the Cleveland area. As a result twenty greens staff from most of the golf courses in the Cleveland area have embarked on the two days of training which is the minimum required by these regulations.

The course covers all the requirements of the Act, including safety, storage, mixing and selection of chemicals, keeping of records and the correct use of the machinery involved in applying pesticides.

David hopes that as a result of meeting the greens staff any other training needs required in this increasingly technical occupation can be identified and met through the College's Green Keepers' specialist Nick Bisset.

If anyone wants to know more about these courses or has any other training requirements, then ring David Marsden on (0287) 33870 or 34323 (evenings) and he will be only too pleased to discuss your needs with you.

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News . . News . . News . . News .

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The new Weather-matic pressure regulator may be ordered as a factory installed option or installed in the field on existing Weather-matic valves where pressure regulation is required. Equipped with manual flow and bleed control, the XPR module regulates pressure when the valve is operated either electrically or manually. A downstream connection is provided for accurate pressure sensing. The XPR will accommodate a maximum inlet pressure of 150 psi.

Weather-matic is distributed and installed in the UK by Prime Watermen Limited, Wangford, Beccles, Suffolk. NR34 8AX

Government Minister to Head Conference on turning

The National Turfgrass Council, the National Farmers' Union and the Sports Council are arranging a workshop on the "Recreational diversification of farmland" at the NAC, Stoneleigh, on Tuesday 24 May. This will be the first major workshop at which turfgrass experts and experienced amenity grass managers will explain some of the pitfalls and plus points in constructing golf courses and other specialized sports facilities.

The principal speaker will be the Rt. Hon. John Gummer, MP, Minister of State for Agriculture. Supporting speakers from the Sports Council, NFU and banking will set the scene, followed by turfgrass construction and management experts. This should

interest everyone in agriculture and the leisure industry.

Further details of the workshop can be obtained from:

**The Secretary, NTC,
3 Ferrands Park Way, Harden,
Bingley, West Yorkshire.
BD16 1HZ**

Sales integration for Hayter & Beaver

Following last October's acquisition of Beaver Equipment Company, Hayters plc has announced organisation changes and new appointments.

From 1st February 1988, the sales and marketing activities of both Hayter and Beaver will operate from Spellbrook, Bishop's Stortford.

The company is establishing two sales divisions specialising in domestic and professional machinery. The professional machinery division, incorporating both Hayter and Beaver professional equipment, will be directed by Richard Smith — formerly Beaver's Sales Director and now a Hayter Director.

Domestic product sales, including key accounts, will be directed by Kim Macfie, Hayter's Sales and Marketing Director, at Spellbrook.

It is the company's intention that, progressively, the Beaver range of product will be assimilated into the Hayter corporate identity under the Hayter trading name. The Beaver name will continue as a model designation. The Hayter range of product, both professional and domestic, will continue in its current form.

Managing Director, Bill Palmer told **Golf Greenkeeping**, "The changes outlined confirm our intention to support fully both the professional and domestic markets. Not only with extra sales personnel, but with additional design, manufacturing and support capabilities in combination with an ambitious investment programme. We aim to ensure that effective trading relationships can be established to the benefit of all".

FARMURA LAUNCH FERROSOL LIQUID IRON

FARMURA have introduced Ferrosol Liquid Iron to the UK market, which they say is specifically formulated for use by 'greenkeepers'.

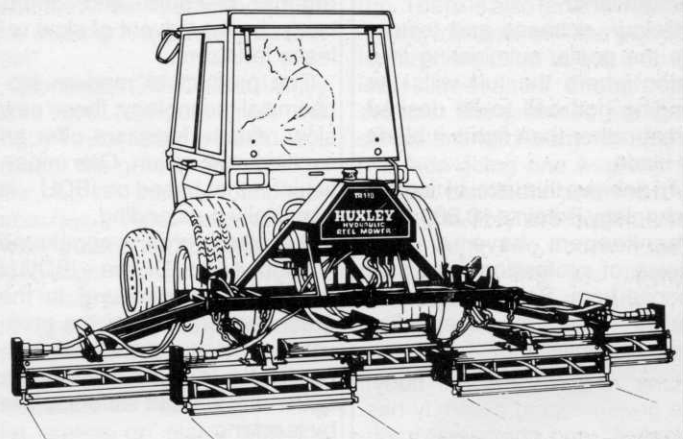
Ferrosol is a patented bonding of ferrous sulphate to urea which not only keeps the iron stable but also speeds up its intake into the plant system. Because plants have a high requirement for nitrogen they absorb it and the iron at the same time. However Ferrosol avoids the problems normally associated with excessive or unwanted flushes of growth

due to additional nitrogen as the amount of N actually applied per square metre is very low - i.e., at recommended rates the amount of nitrogen is as low as 30 grammes per 100sq. metres.

Ferrosol can be tank mixed with other Farmura products and will complement their liquid fertiliser programmes.



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GROWING GREEN — THE IBDU

**Fertilizer technology has made major strides in
made with slow release fert**

Greenkeeping is very much about balance – fostering nature in a way to please the Greens, Committee while pandering to the naturalist notions of the club members. Standards must be uniformly high throughout the year, despite the fact that nature gives in the spring only to take away in the winter. For the majority of golfers their club is an oasis, a pinnacle of green perfection and, compared against their own domestic lawn, a veritable Kew Garden.

Such demands make greenkeeping the profession that it is – a permanent reach for perfection conjured up by names such as The Belfry and St. Andrews. Television too has played its part; why is it that the North American courses look so lusciously green? Could it be something to do with filters over the camera lens!

Colour, richness and texture are the goals, culminating in a green where the turf wills the winging golf ball to its desired target rather than fights it blade by blade.

To achieve this level of fine turf technology Britain's 10,000 or so greenkeepers have a vast choice of professional tools to choose from. Some are controversial – others are accepted as sound scientific fact.

Like any professional body, the greenkeeping fraternity has learnt by, and cherishes, tradition. From the experience of the past comes the wisdom of today and nowhere is that to be seen more than in the careful husbandry of the grass plant.

Fertilization – the correct feeding of fine turf – has long been held crucial to achieve a healthy, disease resistant sward. Indeed, it can be argued that a well balanced fertilization programme is the linchpin to all other operations, over-feeding leading to

grass 'flushes' and intensive mowing requirements.

Conversely, the under supply of nutrients leaves turf open to disease, moss and weed attack and the need for lengthy and expensive pesticide spray operations.

The Grandfathers of yesterday's greens used their skills and devotion to produce fertilizers based on the tools of the time – notably dried blood and hoof and horn meal.

This tradition is still followed by a number of greenkeepers who formulate their own fertilizers by blending 'straights' to their own or recommended specifications. This practice is time consuming and messy and often produces an inferior mixture if carried out incorrectly.

It has now been largely superseded by the introduction of ready mixed semi-organic and organic powders and, more lately, by the advent of slow release fertilizers.

The product of modern biochemical technology, these new slow release fertilizers offer an exciting new option. One in particular – that based on IBDU – is especially outstanding.

A synthetic organic compound – Isobutylidene Diurea – IBDU is the closest answer yet to the greenkeeper's dream – a product that releases nutrients proportionate to turf's growing requirement without suffering loss by leaching.

By far and away the greatest need for healthy grass is Nitrogen. It is here, in the unique Nitrogen release properties of IBDU, that makes it stand out from the other slow release fertilizers.

The chemical's two important characteristics are explained by Dr. David Lawson, Chemist to the Sports Turf Research Institute (STRI) at Bingley.

"In the first place, the release



Top Turf Team: Mascot Microfine and Mascot Spreader

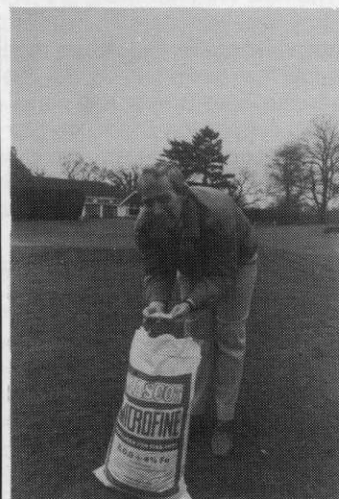
of nutrients from IBDU are dependent on the availability of moisture and soil temperature", he says.

"When added to the soil the granules are broken down by micro-organisms to produce soluble urea-N which is further decomposed to ammonium and nitrate. While grass plants may absorb a certain amount of urea and ammonium, most of the Nitrogen is taken up as nitrate".

"As soil temperatures rise and with it moisture levels, so the activity of microbial breakdown of IBDU increases. Greater quantities of nutrients are released when the turf is actively growing and requires feeding", comments Dr. Lawson.

The result is that as Nitrogen generation is harmonised with plant absorption and production of green leaf tissue, little wastage occurs through leaching or excessive turf fertilization. Sudden growth 'flushes' and the need for higher mowing regimes are avoided.

The reverse action is true in the colder months. As grass growth diminishes through lower soil temperatures, so the brake is put on IBDU Nitrogen release by reduced microbial action.



Peter Marsh "The Granules are very consistent and easy to apply".

"Plant growth is not completely dormant however and there is still a small release of soluble Nitrogen from IBDU over the winter months", says Dr. Lawson. "This is caused by a second action, a slow chemical breakdown of the compound".

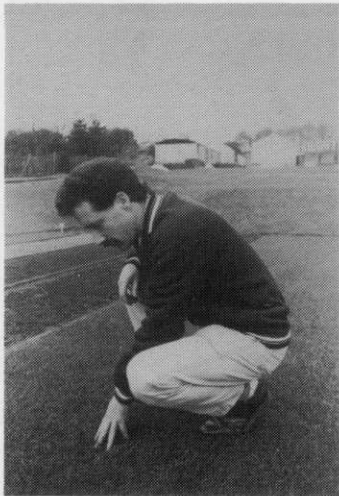
"STRI trials have demonstrated this second release to be extremely beneficial in the more demanding months. It certainly gives rise to better turf colour, improved disease resistance and encouragement of earlier spring growth than that found with standard ammonium sulphate treatments. The use of IBDU also leads to less soil acidification than where the turf is treated with ammonium sulphate".

While priced higher than traditional products, IBDU fertilizers are applied less often and in smaller quantities. Not only is turf quality improved but significant time savings are made on an already over-stretched greenkeeper team.

Application is simple, the granules are not prone to drift and drop evenly between the grass blades to soil level whereas powder formulations tend to 'blow' and end up in unwanted

GREENER GRASS IBDU WAY

**the last few years. Notable advances have been
fertilizers. - David Lee Reports**



Dr. David Lawson "IBDU releases nutrients as required" areas, especially when applied by a spinner type distributor.

Where over application takes place by mistake, the turf is less likely to 'scorch' as the fertilizer is slow-acting. Since IBDU is decomposed by hydrolysis, its Nitrogen release may be controlled by irrigation if required.

A major factor regulating IBDU Nitrogen release is granule size. While a larger sample has better slow release properties an overall factor is uniform consistency for application purposes.

One concern voiced by the STRI over the new IBDU products is that manufacturers should disclose the comparative amounts of rapid release and IBDU slow release Nitrogen contained in their products. Ideally, the STRI would like to see an IBDU content of at least 50%.

This concern is shared by Rigby Taylor, one of the U.K.'s leading fertilizer suppliers who have endorsed the STRI's campaign and are intending for the current season to disclose the IBDU Nitrogen levels in its Mascot Microfine range of fine-turf fertilizers.

"Unless other manufacturers follow suit greenkeepers will be unable to make an effective



"Long term IBDU Fertilizer is cheaper" says Peter Marsh. comparison between the value of fertilizers", says Jon Ryan, Managing Director, Rigby Taylor (South).

IBDU based products have rapidly gained in popularity in the last few years over traditional powder formulations for fine turf. The greenkeeper must be in a position to determine whether a slow release fertilizer is value for money when considering his course's needs.

"Consideration should also be given to particle size range", says Mr. Ryan. "It is essential to ensure that IBDU of too large a particle size is avoided as this will remain on the surface and much of it lost through being mown off. On the other hand too fine a particle will result in a reduction of the product's slow release properties".

In all cases the current Rigby Taylor range has at least 50% Nitrogen derived from IBDU, rising to 80% in its Mascot Microfine 18.0.0. + 6% Iron.

One of Rigby Taylor's customers who has used Mascot Microfine since its launch three years ago is Peter Marsh, Head Greenkeeper to Stoneham Golf Club, Southampton.

Managing the 130 acre 18

hole course with the assistance of four greenkeepers, Peter Marsh is well aware of tradition - he is only the third Head Greenkeeper since Stoneham was established in 1909.

His 30 years' experience with fertilizers at the course, 20 as Head Greenkeeper, takes in the blending of 'straights' in the early years and more recently the use of powders.

"The trouble with powder fertilizers was that you had to be very careful with them, otherwise they were prone to burn a lot", says Mr. Marsh. "This meant you invariably had to water them in as soon as they were applied, an arduous task. Then, as soon as they were in the soil you got sudden grass growth and the mower had to come out. They were also difficult to apply, often sticking together and making for an unpleasant job. Application was also heavily dependent on the weather - especially wind or rain".

Stoneham Golf Club currently uses two fertilizers from the Rigby Taylor range; 18.0.0. + 6% Iron for the greens and 8.0.0. + 4% Iron on the tees and approaches. These are applied twice yearly in April/May and June/July.

"These two applications see us right through the year", comments Peter Marsh. "The effect of the summer application is still noticeable in February, firming the greens up nicely with the added bonus of colour and no disease. In fact the Greens' Committee has commented that over the past two years we haven't used anything like as much fungicide - with considerable savings.

"We used to have to spray for disease regularly through the autumn and spring but that's now been cut down to one or two sprays around Christmas time as a preventative measure.

That's better all round, no one really likes spraying and its less inconvenient to the golfers as we are not in their way.

"There's also just enough iron to knock back whatever moss we may get. That saves us spraying for moss in the spring and the iron enables the grass to keep its colour.

"The IBDU slow release Nitrogen works like a dream, stimulating the turf just right. With the powders the grass would grow like blazes for two weeks, necessitating heavy cutting every day. We still cut the greens daily but the grass is not long - its just easy!"

Long term Peter Marsh considers that slow release fertilizer is cheaper than powdered formulations or mixing 'straights'.

"We now use less than half the amount of fertilizer we used to so it must be cheaper in the long run. There is also far less maintenance whereas with the powder fertilizer we used to put it on at least three times through the season. The granules are very consistent and easy to apply, two lads going one way with a Mascot distributor and two the other and they are back at the sheds within two hours. It definitely saves time and spares inconvenience to us and the golfers".

•End



Jon Ryan "Manufacturers must disclose IBDU levels".

African Golf Report!

MONITORING the success of Welsh International David Llewellyn, partner of Ian Woosnam in the World Cup last year a newspaper cutting came across the Editor's desk from an African golf correspondent reporting on the Zambia Open in Lusaka. We cannot resist quoting parts of his report, even if just to show golf writers in the West they have not, as yet, exhausted the English vocabulary of all possible phrases that can be written to describe a golf tournament!

"Welshman David Llewellyn raised his game to a nearly unapproachable level of nine under par on day three of the Zambian Open at Lusaka. On the back nine he was ferocious like a wolf.

Of the ten hopefuls the full blooded mortal, who could swamp Llewellyn is the consistent day two runner-up, Richard Fish, who is only three behind Llewellyn having scored a three under-par 70 yesterday, which when summed with his previous day's scores of 71 and 72, end up as 213.

Although it was a day also accredited to Fish, he felt he was impotent at driving, saying only his putting was better. Carrighill with one under par 74 was however not the only one of the big barrels that spent the rest of his time treading grass, Scotsman Bernard Gallagher also had grass growing under his feet ushering serious championship prospects to an elongated list of ten contenders".

THE SPELLING IS THEIRS – NOT OURS!

Woodbridge prepares for International Tournament

DESPITE the October hurricane which swept South East England and changed the landscape overnight, the 18 and 9-hole courses at Woodbridge Golf Club in Suffolk, venue for this year's Ransomes 6th International Golf Greenkeepers' and Superintendents' Tournament, are back in excellent shape.

At the previous meeting 3 years ago at St. Andrews, 13 countries were represented at the Tournament, and this year's event taking place at Woodbridge on Wednesday, 5th October is expected to attract competitors from even more countries.

Bordering the Club's 9-hole course is Rendlesham Forest, virtually destroyed by the gale, but within days after Head Greenkeeper Lyn Arbon and his staff had set to work with chain-

saws, both the 18 and 9-hole courses were back in play. None of the tees, fairways or greens were damaged and although members are aware of the changes in the landscape when playing the 18-hole course, it has not lost any of its charm.

Although the 9-hole course itself is back to what it was before the hurricane, the devastated Rendlesham Forest leaves visitors in no doubt about what happened in October.



Surveying the devastation in Rendlesham Forest following the October hurricane is Lyn Arbon, Head Greenkeeper of Woodbridge Golf Club, venue for this year's Ransomes 6th International Golf Greenkeepers' and Superintendents' Tournament.

Peak's Course Approaching Pinnacle of Condition

In the situations vacant section of this month's issue we are publishing an advertisement for a head greenkeeper at Hessle Golf Club at Hull.

The vacancy has occurred because at the retirement of the club's 65 year old Head Greenkeeper, John Peak, who

has completed 34 years faithful service with one of the finest golf clubs in the East Riding.

Two clubs in fact, because in the mid 1970's, Hessle had to leave their well established course alongside the banks of the River Humber to make way for the building of the northern approach road for the massive Humber Bridge, the largest and

longest single span suspension bridge in the world.

In 1973, John had the difficult task of maintaining the old course, amid the construction work for the bridge and at the same time supervising the maintenance of the new greens, tees and fairways of the new Hessle golf course at Raywell near Cottingham, to a design by the

Alliss, Thomas partnership.

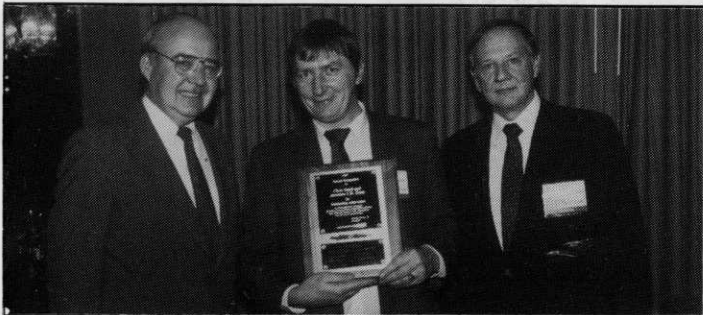
The reputation of the fast maturing Hull course is a credit to the dedication and skill of John Peak, who will leave the foundation of a golf course certain to gain in stature to his ultimate successor.

News . . . News .

Jacobsen U.K. win Outstanding Achievement Award

RACINE, WI – Chris Smith and his team from Jacobsen/Textron Ltd., King's Lynn, Norfolk, won an Outstanding Achievement Award from Jacobsen Division of Textron Inc. for exceptional performance in their first full year of U.K. branch operation.

The award was presented February 7, 1988, during Jacobsen's Annual International Dinner. The dinner was held in conjunction with the GSCAA's 59th International Golf Course Conference and Show in Houston, Texas.



In the photo, Chris Smith, Sales Manager for Jacobsen/Textron Ltd. (centre), accepts the award from John R. Dwyer, Jr., President of Jacobsen; and Curt Kimpbeck, Director of International Sales.

"Golf at Its Best" makes debut at Houston Conference

An ambitious effort to promote awareness of the role today's golf course superintendents play in the overall picture of golf made its debut at the 59th International Golf Course Conference and Show in Houston through a film presentation.

The nine-projector audio-visual production, titled "Golf at Its Best", featured several superintendents and professional golfers Arnold Palmer, Jan Stephenson and Tom Watson, all of whom gave their services free. Dramatic photography by golf photographer Brian Morgan brought the 14-minute presentation to its exciting finale.

Produced by Bruce Mathews Communications of Independence, Mo., the program explained the superintendent's role, using photographs taken at various American courses — each with its own distinctive terrain, climate and other conditions — to illustrate the versatility demanded by the profession. Later an extended version was shown at the closing banquet.

"Superintendents from all over the world have great responsibility placed upon them to keep a living, beautiful environment just that — living and beautiful", said GCSAA President, Donald E. Hearn, CGCS. "This program provides great background about a great profession".

This program is now available on video cassette.

New Triplex for the UK?

Ransomes recent acquisition of the Steiner Corporation based in Ohio is likely to result in the availability of a new 74 inch triplex reel mower later this year.

The four wheel drive S-20 Steiner Tractor unit, with its distinctive eight wheels can be mounted by the TM-74 reel units in less than three minutes to provide a safe sure-footed triplex capable of cutting steep banks, slopes, in wet, soft or sandy conditions.

The cutting heights can be adjusted from 3/8" to 2 1/4" in 1/8" increments, the reels are hydraulically driven independent of the forward speed of the tractor and are guaranteed for life against breaking or bending in normal conditions.

The optional six or nine blade reels are made by another of Ransomes recent purchases, Mowing Machine Maintenance of Wath on Dearne.

This machine is certain to cause considerable interest when it makes its British debut as we have so many courses where wet slopes cause particular grass cutting problems.

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Lawnmower Services (Lincoln)
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| Northumberland, Tyne & Wear
Durham, Cleveland, N. Yorks. (NW)
JM Raine 0388 604847 | Northants., Cambs., Beds.
Rogers Engineers 0234 870201 |
| Cumbria, Lancs, G. Manchester, Merseyside, Cheshire, Derbyshire, N. Yorks (W), W. Yorks (W)
Fletcher-Stewart (Stockport)
061-483 5542 | Norfolk, Suffolk (NE)
Ben Burgess Garden Equipment
0603 628251 |
| S. Yorks, Humberside (N), N. Yorks (Cen. & E), W. Yorks (E)
Sewards Agricultural Machinery
0904 704121 | Essex, Suffolk (SW), London (E)
R Johnson (T.E.S.S.) 0708 28811 |
| Clwyd, Gwynedd, Shropshire, Powys
Walker Engineering 069-186 2447 | Oxon, Berks, Bucks, Herts, London (NW)
Risborough Turf Suppliers
08444 3023 |
| Staffs, W. Midlands, Warwicks, Hereford, Worcs.
ET Breakwell 021-7444477 | Glos., Avon, Wilts. (N)
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DRAINAGE

The extremely wet conditions of 1987 and so far in 1988 have caused many Golf Clubs to experience serious drainage and water-logging problems. For many it has resulted in closure of the course. For those clubs who wish, or who are being pressed, to solve these problems, there is a ready solution to hand.

A. F. Trenchers, established manufacturers of 20 years' experience, produce a range of trenchers ideal for solving drainage problems on Golf Courses using the available time of existing grounds staff.

The smallest in the range is the AFT 6/39 trencher which is a self winching pedestrian controlled model powered by 12 h.p. petrol or 10 h.p. diesel engines. Maximum size of trench is 150 mm wide up to 1.00 metres deep and the winch ensures that trenching can be carried out in extremely wet surface conditions with the minimum of surface damage. This is particularly important if work is carried out in the popular Autumn/Winter period.

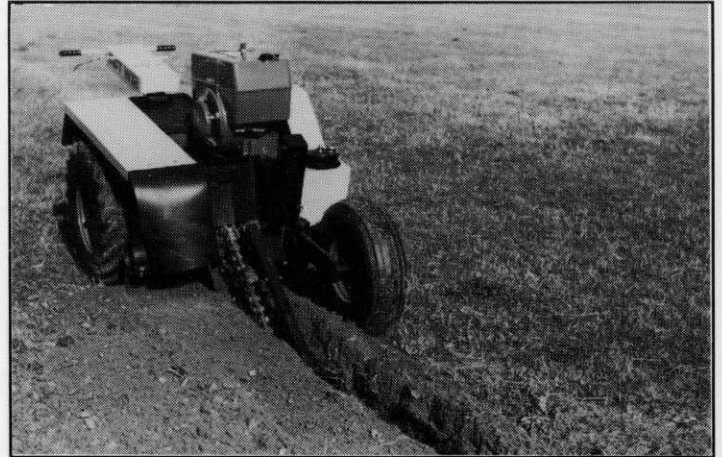
A slightly heavier duty model of this type, the AFT 8/45, is also manufactured for cutting 200mm wide trenches. This machine also has the advantage of rear wheel drive for site mobility but retains the winch system for trenching. These small winch drawn models have been so successful with Golf Clubs and other customers who drain turfed areas that they have now been in production for 20 years virtually unchanged.

For those requiring a more sophisticated small trencher, the W12 wheel driven trencher has many advantages including hydraulically operated digging boom depth control and trenching speeds with reversible digging chain drive. Powered by

petrol or diesel engines of 12 h.p. full electric starting is offered as an optional extra. Trench sizes are similar to the winch drawn models and trench speeds for these small trenches at 600 mm deep vary from 40-80 metres/hour depending upon conditions.

For those with a tractor of 60-80 h.p. a unique tractor mounted trencher is available. No special gearbox for trenching is required since the AFT 65 has its own fully patented wheel drive system which pushes the tractor along in neutral gear.

With the greater power available the AFT 65 will give a maximum trench size of 300 mm wide x 1.45 metres deep. Originally developed for the agricultural market a full range of attachments including pipe reel carriers,



A.F.T. W12 Wheeled Trencher excavating for water pipe

ers, pipe laying chutes and laser assisted grading are available. No spoil collection is available on this model so it is used more for the deeper mains and lateral drains requiring higher accuracy of grading. The AFT 65 takes only half an hour to fit to the tractor and less than 10 minutes to demount.

Another tractor mounted trencher requiring at least 60

onto trailers. A tractor gear box reduction of at least 4:1 is required for this machine.

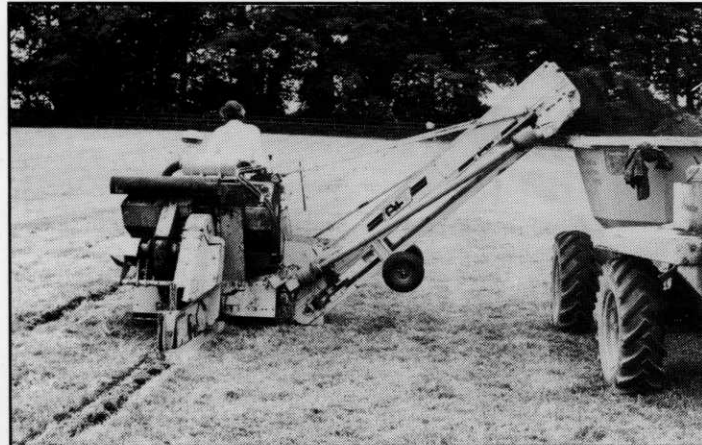
The largest self contained trencher in the range is the AFT 38 tracked trencher which is powered by a 46 h.p. air cooled diesel engine. Trench sizes available are 70 mm, 125 mm, 150 mm, 200 mm, 250 mm and 300 mm wide with a maximum depth of 1.2 metres.

Laser assisted grading is also available on this model together with soil collection system with high level discharge soil conveyor.

As well as marketing their own new machines, AFT offer reconditioned trenchers when available and operate a self-drive hire fleet complete with a countrywide delivery and collection service.

Full details of the range and further information should be obtained direct from A. F. Trenchers Ltd., Gosbecks Road, Colchester, CO2 9JS. Tel: 0206 44411.

A.F.T. 38 Tracked Trencher excavating sand slit trenches in a paddock



A.F.T. Wizz Wheel Trencher excavating for sand slits



h.p. and only introduced last year is the Wizz Wheel. Using a revolving cutting wheel instead of a boom and chain much greater speeds can be achieved. (In excess of 1200 metres/hour for sand slits).

As well as narrow slits only 50 mm wide other trench sizes offered are 70 mm, 95 mm and 125 mm wide with maximum depth of 550 mm. A total above ground guarding system is employed and all the excavated soil is collected and dumped by a high level conveyor straight

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Require

A Head Greenkeeper

Fully qualified in all aspects of his profession to manage and maintain their course

No accommodation, but an attractive salary will be negotiated

Apply in writing to:

THE SECRETARY

Ashford (Kent) Golf Club
Sandyhurst Lane
Ashford, Kent TN25 4NT
Tel: Ashford (0233) 22655

YOUNG

ASSISTANT GREENKEEPER

Required

By Hatfield London Country Club

Applicants must have some experience and qualifications

Applications in writing to:

**The Head Greenkeeper
Hatfield London Country Club Ltd
Bedwell Park, Essendon, Hatfield
Herts AL9 6JA**

BLACKWELL GRANGE GOLF CLUB

REQUIRE

A HEAD GREENKEEPER

Applicants must be fully experienced in all aspects of course management, modern greenkeeping techniques and machinery maintenance

**No accommodation available
Salary negotiable but attractive for a
well qualified experienced person**

Write in the first instance giving full details of training, experience and present salary to:

**THE SECRETARY
Blackwell Grange Golf Club
Briar Close, Blackwell
Darlington DL3 8QX**

STOKE POGES GOLF CLUB

ASSISTANT GREENKEEPER

Required for 18 hole championship (Parkland) golf course, situated in South Buckinghamshire, approximately 23 miles north of central London.

Applicants must be suitably experienced in greenkeeping techniques and in the correct use of modern course machinery and equipment. Pay is negotiable.

Accommodation (Three bedroomed detached cottage is available for married persons).

Applications are required in writing, stating experience and family circumstances to:

CHIEF EXECUTIVE
Stoke Poges Golf Club, North Drive,
Stoke Poges, Bucks. SL2 4PG

ICI to Sponsor Groundsman Awards

The Master Groundsman and Young Groundsman of the Year Awards for 1988 are once again being organised by the Institute of Groundsmanship and this year ICI Professional Products have agreed to sponsor the event.

The annual Awards, now in their eighth year — have undoubtedly become the sports and leisure industry's most rewarding competition — with dozens of prizes now totalling £10,000.

The Master Groundsman and Young Groundsman of the Year will each win a trip to the GCSAA Convention which is to be held in Anaheim, California in February 1989. They will also receive an engraved silver salver.

The runner-up in each category will be invited to an extended weekend in Germany where they will visit research facilities and trials centres.

The two third prize winners

will be invited to visit the ICI salt mines in Cheshire — a mile underground! — and Europe's biggest. (*Why not Siberia*).

All 18 finalists will receive an engraved crystal decanter.

The employer of both the Master Groundsman and the Young Groundsman of the Year will receive £500 worth of "Longlife" turf fertiliser from ICI Professional Products. Similarly, the college, university or study centre with the largest number of student entries will receive £500 worth of "Longlife" fertilisers.

The competitions are open to everyone involved directly in the management or maintenance of sports and leisure turf-culture

facilities: groundsman, greenkeepers, parks officers, estate managers, trainees and apprentices, and students.

There is no entry fee, and membership of the Institute of Groundsmanship is not necessary.

The final date for receipt of entries will be 12 noon on Tuesday 31st May 1988, and initial adjudications will take place during June 1988.

The nine regions of the competition are: Scotland; Northern Ireland; North-West England and North Wales; North-East England; The Midlands and Central Wales; East Anglia; London and South-East Eng-

land; South-West England and South Wales; and Eire.

Entry Forms are now obtainable from:

The Institute of Groundsmanship

19-23 Church Street,

The Agora,

Wolverton, Milton Keynes, Buckinghamshire MK12 5LG.

OR

ICI Professional Products

Woolmead House East,

Woolmead Walk,

Farnham, Surrey GU9 7UB.

BINGLEY RETIREMENTS

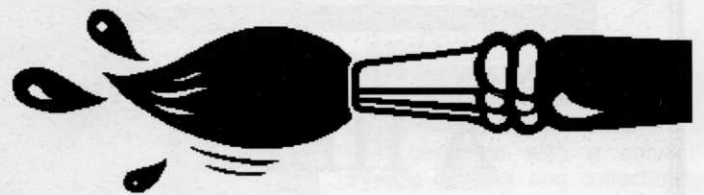
Two long-serving, senior members of staff retire together on 13th May 1988. They are Mr. J.P. Shildrick, BA, CBiol, MIBiol, FIHort, who has been the Assistant Director for 20 years and Mr. B.M. Wood, FCIS, who has been the Secretary for 33 years.

John Shildrick's principal involvement has been with the Institute's research programme. He has initiated many new projects over the years, including pioneering the testing of grass cultivars for amenity use. This latter resulted each year in the production of the "Turfgrass Seed" leaflets outlining the attributes of good cultivars of turfgrasses which are marketed for sports turf use.

Brian Wood, as Institute Secretary, has been essentially a "back-room boy" whose many responsibilities have included the administration and accounting functions of the Institute, as well as personnel.

The Secretary designate is Mr. T.R. Wheeldon, FCA, who has had wide industrial experience as a financial director and company secretary in textiles.

The Editor would appreciate any articles or comments for the next edition



Letters ... Letters ...

WILDLIFE ON GOLF COURSES

In these times of natural habitat reduction, golf courses are becoming increasingly important as wildlife reserves. I am presently undertaking research into the flora and fauna that is found on golf courses in the United Kingdom and have particular interest in the urban courses, which provide such vital habitat for so many species. May I through your correspondence columns, ask for information from greenkeepers regarding:

1. The wildlife on their course.
2. A brief description of the area surrounding their golf course (e.g. housing, farmland).

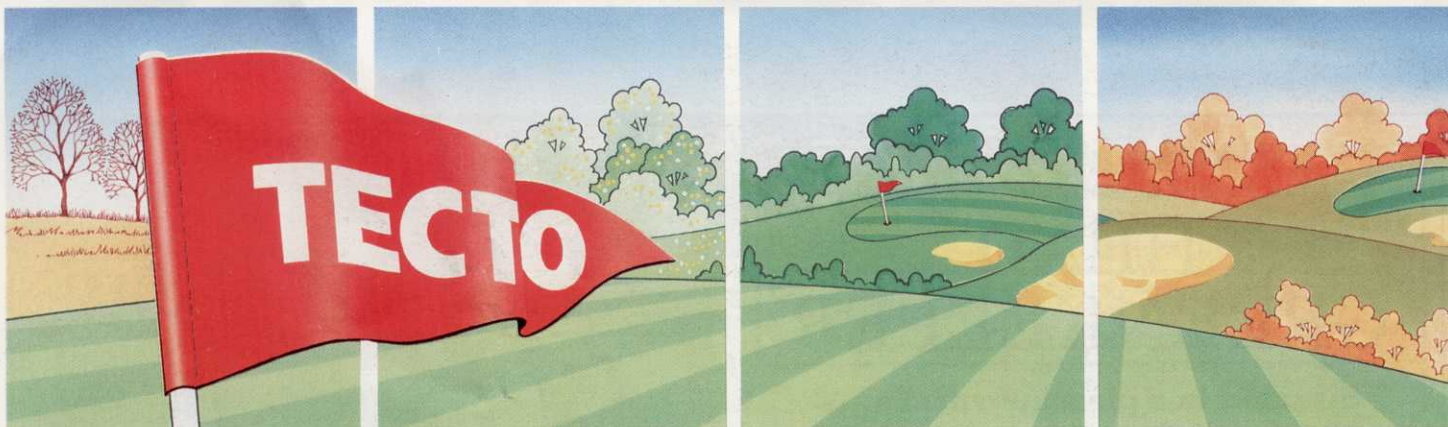
3. Any 'peculiar' behaviour of wildlife in these areas.

4. Any rare species to be found on their course, and any measures which they may take to protect or encourage them.

I would be keen to film interesting subjects and would therefore be especially interested in those species which are frequent enough to be found on specific days. However, I welcome any information on the subject and thank you and your readers for any help they may be able to give.

Clarissa Titcomb.

Plummerden House, Lindfield, Sussex RH16 2QS.



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GREENKEEPER**

**Situated in a pleasant rural area
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Large 18 hole parkland course opened 12 years ago has matured rapidly under the current retiring Head Greenkeeper to one of the finest in the area.

Applicants should be fully experienced in all aspects of greenkeeping including machinery maintenance and be capable of controlling and motivating staff.

Excellent modern equipment and facilities.

Salary package negotiable

Apply in writing with full C.V. to:

The Secretary,
HESSLE GOLF CLUB
Westfield Road, Cottingham,
Hull HU16 5YL

HOMEPARK GOLF CLUB

**Assistant Head
Greenkeeper**

Fully experienced

**Required for this long established
18 hole course**

**Letters of application stating
age, experience and qualifications
to:**

THE SECRETARY
HOMEPARK GOLF CLUB
HAMPTON WICK,
KINGSTON-ON-THAMES
SURREY KT1 4AD

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**18 HOLE GOLF COURSE, 6500 YDS AT
LOSTWITHIEL CORNWALL**

Applications are invited for the post of

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GREENKEEPER**

for this new parkland course

Applicants must have full experience of all aspects of parkland golf course construction, modern greenkeeping and machinery maintenance plus the ability to control and motivate staff and to work in conjunction with Course Architect (R.I.B.A.) and Co-ordinator

Salary by negotiation

Apply in writing with full details of age, qualifications and experience to:

JAMES & COMPANY

Course Co-ordinators,
26 Fore Street, Lostwithiel
Cornwall PL22 0BL

STRICTEST CONFIDENCE

HENLEY GOLF CLUB

Require:
**A FIRST
ASSISTANT
GREENKEEPER**

*Salary Negotiable,
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available*

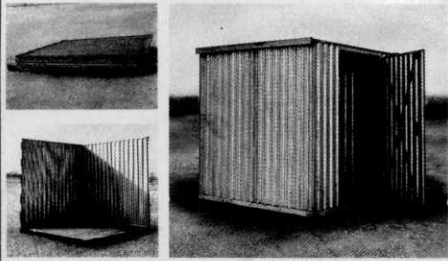
Applications in writing to:

THE SECRETARY
Henley Golf Club, Harpsden
Henley on Thames
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AstroTurf Artificial Grass, PSA Ltd., Vorda Works, Highworth, Swindon, Wilts. SN6 7AJ. Tel: (0793) 764301. Telex: 449703. Fax: (0793) 765319. Contact: David Stoker.
The Greensward Company, The Old Hall, Langham, Oakham, Rutland, Leicestershire LE15 7JE. Tel: Oakham (0572) 2923 & 56031. Telex: 34362 Greeco G.
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Henton & Chattell Ltd., London Road, Nottingham, NG2 3HW. Tel: 0602 862161.
W. Mountain & Son Ltd., Bank Avenue, Morley, Nr. Leeds. Tel: (0532) 531201-6. Contact: A.C. Mountain.
Rowes of Chichester, D. Rowe & Co. Ltd., The Hornet, Chichester, West Sussex PO19 4JW.
Tel: Chichester (0243) 78810. Telex: 86110.
Contact: D. Strange or J. Burfoot.
W. Wilcock & Sons (Preston) Ltd., Walker Street, Preston, PR1 2PR. Tel: Preston 53068.

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David Bell Limited, Eastfield Industrial Estate, Penicuik, Midlothian. Tel: (0968) 78480.
Mommersteeg International, Station Road, Finedon, Wellingborough, Northants NN9 5NT.
Tel: Wellingborough (0933) 680674. Telex: 311234.

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Wright Rain Ltd., Flordon Road, Newton Flotman, Norwich, Norfolk, NR15 1QX. Tel: Norwich (0508) 470402. Telex: 975015.
Wright Rain Ltd., Bank Head, Medway, Sighthill Industrial Estate, Edinburgh, Scotland EH11 4BY. Tel: (031) 453 4789.
Wright Rain Ltd., Unit 3D3, Thorp Arch Trading Estate, Boston Spa, Wetherby, Yorks. LS23 7BJ. Tel: Wetherby (0937) 845788.
Cameron Irrigation, a Division of Wright Rain Ltd., Harwood Industrial Estate, Littlehampton, West Sussex BN17 7BA. Tel: (09064) 3985. Telex: 877483.
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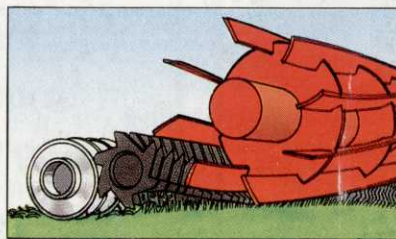


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