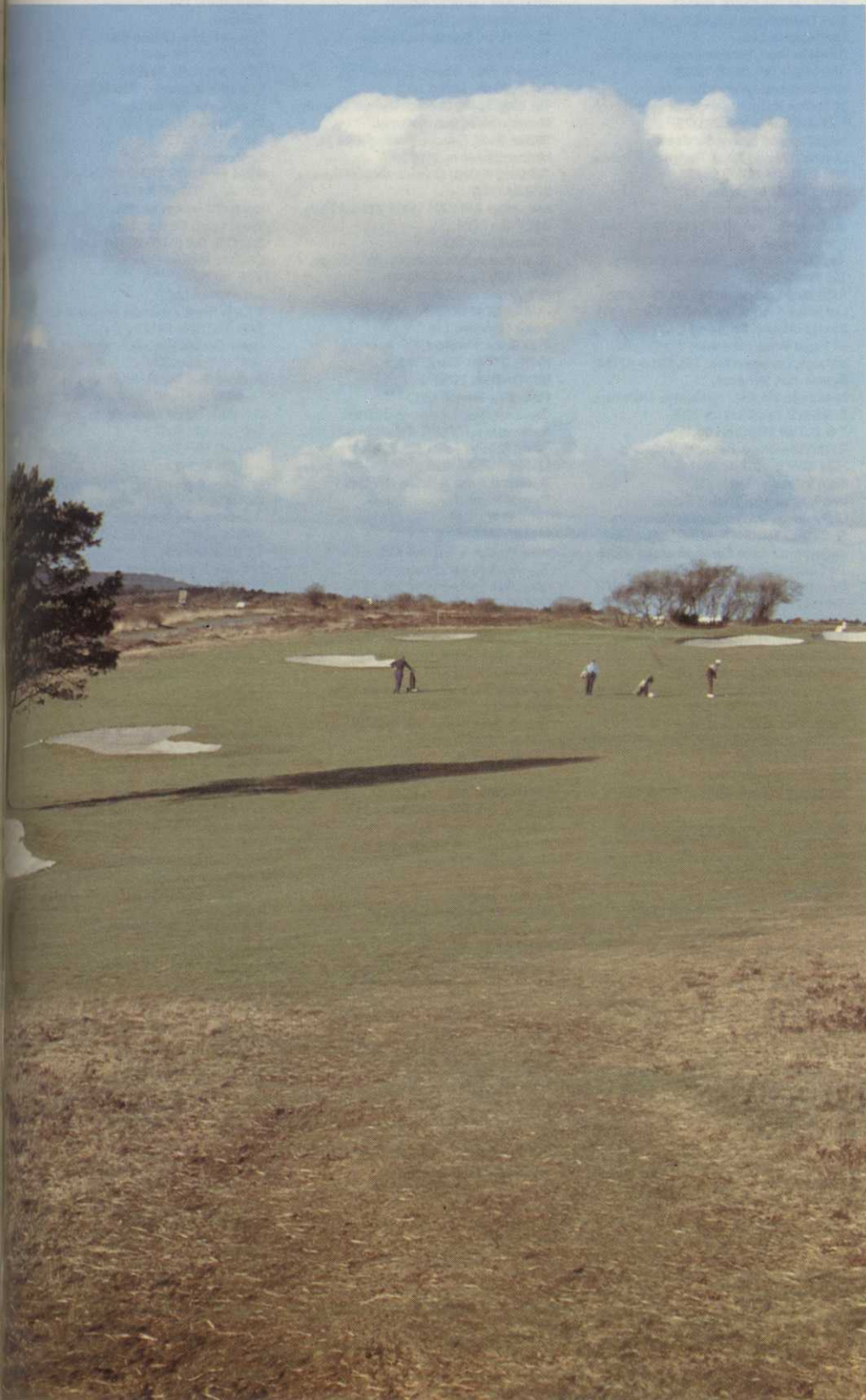


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Incorporating Golf Greenkeeping

APRIL 1989



On the Course

Michael Bird discovers how a club on the English Riviera maintains its water balance.

Products

A guide to the introduction of three new organic fertilizers this season.

Irrigation

Watermation are making some new connections in France.

Development

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Managing Editor

Stanley Ellison

Executive Editor

John Lelean

Advertisement Manager

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APRIL 1989

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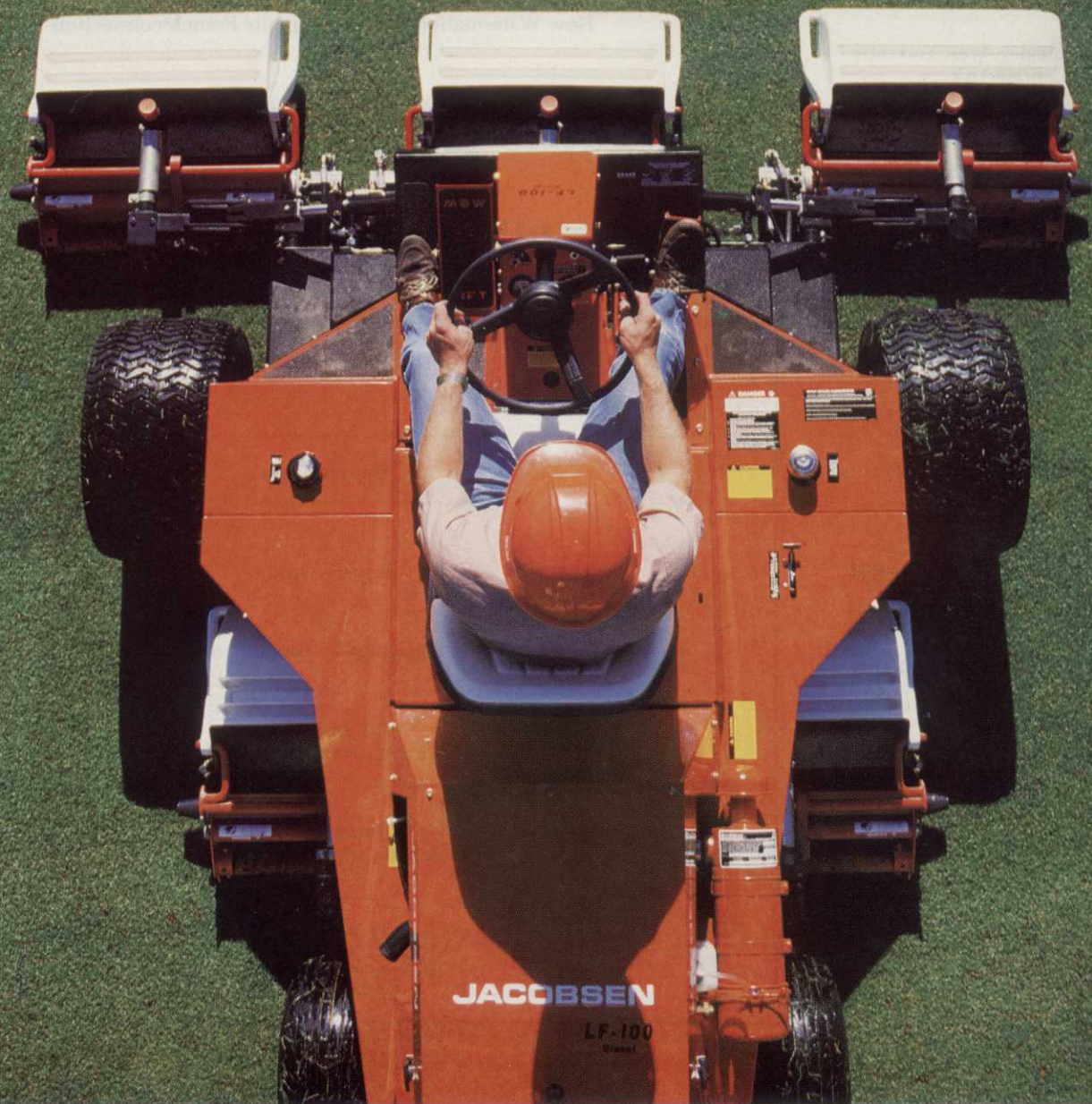
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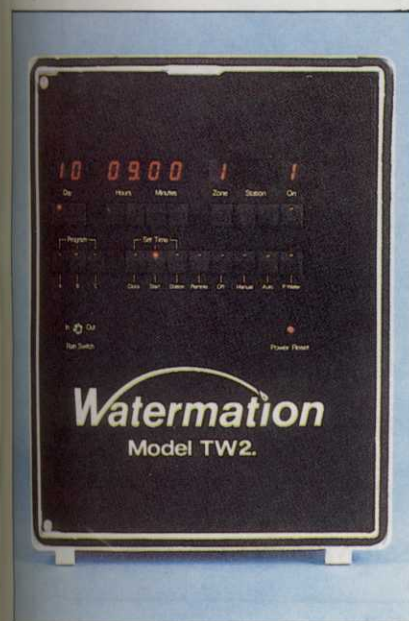
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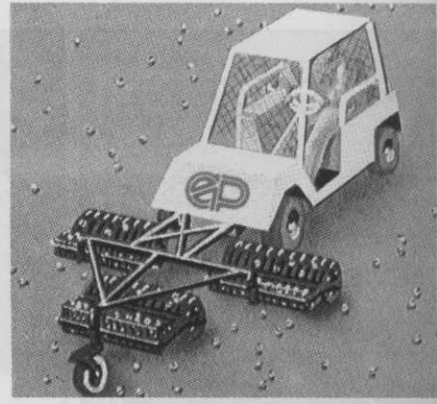
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BIGGA REPORT

Learning from the GCSAA

A BIGGA party of 30 attended the Golf Course Superintendents Association of America event in Anaheim, California headed by the Association's chairman, Jack McMillan. Following the long flight to Los Angeles, it was indeed a surprise to be greeted by the news that Los Angeles was experiencing its first snowfall in 20 years! indeed for the first two days of the trip, this 'major' event received saturation media coverage and yet the snowfall was measured at the two inch level! Such was the novelty value! Luckily, the snowfall surrounded the Anaheim area but missed the city itself. By the third day, the 'crisis' was over and the party was able to enjoy much more traditional Southern Californian weather.

The GCSAA event is a major affair with an estimated attendance of some 15,000-16,000 persons this year. I was primarily interested in the structure of the educational seminar programme and the trade exhibition, with reference to the future development of our own event at Harrogate. The Exhibition is well-staged and planned with plenty of room to accommodate visitors. It takes a considerable time to get around given the vast number of stands and, even if attending for three days, it would be quite easy to miss a particular company.

A number of companies use 'gimmicks' to attract visitors to their stands, and I am not sure that this is a development we should encourage at Harrogate. It seemed to suit the style of the American event, and yet would seem out of place at our own.

The real problem facing the GCSAA Exhibition is its continued growth. The Association is already limited to a select number of venues which can accommodate the show, and this number is likely to decline with the envisaged continued expansion. There is therefore some concern amongst GCSAA officials and they are constantly planning ahead.

Seminar sessions are run concurrently and attract large numbers. Speakers are rigorously kept to allotted timespans and consequently

there is only a token attempt at question and answer sessions. Indeed, questions seemed to be called for as delegates were leaving their seats to attend another seminar of their choice elsewhere. I found this disconcerting and there seemed to be a constant movement of people and a generally unacceptable noise level whilst speakers were in action on the platform. Having said this, it is not easy to suggest an alternative system given the numbers in attendance at the seminars.

The range of speakers is excellent and golf course superintendents are actively encouraged to participate in the speaker programmes. This is something we have adopted at Harrogate and will be developed for the future. Whilst certainly learning much from the seminar programme, my overall view is that we need to develop our own individual programme rather than follow the American system which is essentially geared to the large numbers for which they cater.

Our party enjoyed excellent hospitality and the traditional warm welcome from our American hosts. Hospitality rooms abound and there are many invitations from trade companies as well as to the official GCSAA functions. The climax was the Monday night banquet with some 1,500 in attendance. So vast were the seating arrangements that the chairman and myself at the guests table could not see our party sitting at the other end of the banqueting room!

Whilst there were some gremlins in the registration procedures, one could only admire the organisation.

The American Superintendent holds a respected position at his golf club and this is due, in no small measure, to the professional image projected and the structured education programme which produces well-qualified greenkeepers. There was much interest in BIGGA and positive comments regarding our uniform. The Americans are looking for a close relationship with ourselves and an exchange of information, together with reciprocal visits where possible.

Socially, our party did extremely well, indeed one or two seemed quite overwhelmed by the hospitality on occasions! Members took the opportunity to visit and play on Southern Californian Golf Courses and there was the obligatory visit to Disneyland - enjoyed by all. Some greenkeepers of mature years were seen taking numerous turns on the most tortuous rides - a tribute to their stamina and many healthy years spent on the golf course! Anaheim is not an attractive city and exists primarily for its Convention Centre facilities and Disneyland. Those able to spend some time away from the city area appreciated a taste of the real America.

The week passed quickly and half of the party then left on extended trips whilst the unlucky ones departed for the airport. There was much talk of plans for next year in Florida and every expectation of a large BIGGA contingent attending. A good time was had by all and much learnt for the future.

Neil Thomas

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CLIPPINGS

By The Mower

Ton-up at Tunbridge

Tunbridge Wells Golf Club will be celebrating their centenary with eleven days of club, invitation and an open event during June.

Little is known of the club's origins, but it would seem that an enthusiastic Scot, homesick for the game he had left north of the border, laid out a few holes in the grounds of the Spa Hotel, mainly for his own amusement and that of the hotel guests.

For almost 87 years the tree lined parkland course remained in the ownership of the Spa Hotel until bought by the club members in 1976. A bargain buy with hindsight, though no doubt the Committee had difficulty at the time persuading the members to part with their money.

Scottish stone for Japan

The golf mad Japanese have not only adopted much of Scotland's golf course designs, but are now building a prestige club house in Scottish sandstone.

But it will only be an appearance of the real thing as the stone blocks have been cut down to a mere 65mm, two thirds of the width of a putting cup, which proves the point that even Scottish beauty is only skin deep.

Because the club house is in the midst of an earthquake belt, the building has to be constructed in reinforced concrete and the stone will be used as facing.

Getting help from golfers

Last year's joint campaign by the American PGA and the Golf Course Superintendents to make golfers more aware of course etiquette through a poster campaign, was voted a great success.

Tom Watson was featured asking golfers to rake bunkers, repair divots and attend to pitch marks.

This year Nancy Lopez and Curtis Strange have agreed to be the featured professionals on a new theme entitled "Practice Your Follow Through". The message will be the same, getting golfers to be more aware of their responsibilities to keep the course in good condition.

European golf course exhibition

The growth of golf on the Continent has prompted yet another exhibition and conference aimed at the specialist golf course maintenance industry.

Golf Course Europe will take place between 4th-6th October in Wiesbaden, West Germany concentrating on golf course design, construction, maintenance and management.

Twenty-five speakers have been engaged and translations will be in French, German and English. It is estimated that in addition to the lectures between 100 and 150 companies will be exhibiting.

NTC conference in Arnheim

The NTC are also looking ahead to the single European Market in 1992 by taking their Biennial Conference to Arnheim in Holland.

Scheduled for the 17th to 19th October, EUROTURF '89 is seen as an opportunity to fly the Union Jack by NTC Chairman Howard Swan. He said "We have great expertise in the turfgrass industry which is eminently exportable".

As well as a series of papers by speakers from several countries, technical visits are being arranged. The cost of the two day event is likely to be around £190 including travel and hotel accommodation. Details from NTC, 3 Ferrands Park Way, Harden, West Yorks BD16 1HZ.

Kubota support Amateur Team Championships

Kubota (UK) Ltd have moved into the sponsorship of Amateur Golf in a big way. Following on from their sponsorship of the Golf Foundation where they offered a Kubota G1900S mower worth over £5000 as a prize in a golf club free draw for any club donating more

than £200 to the Foundation, they are now putting up £30,000 to support the European Amateur Team Championships.

The 16th Annual European Event to be played over the links at Royal Porthcawl from 28th June to 2nd July is expected to attract entries from twenty countries including Czechoslovakia.

Welsh viewers will be able to see the championships live on BBC TV.

Pesticide certificates

Clubs who have not sent their greenstaff on training courses to obtain certificates of competence to apply pesticides are likely to find themselves in trouble with the Health and Safety Executive.

As from 1st January this year all greenstaff under 25 years of age, using chemicals must have obtained a certificate.

Those born after 31st December 1964 can still use pesticides under what is known as the 'Grandfather Clause', but they cannot supervise others. In effect this means the Head Greenkeeper must obtain a certificate himself before sending out the 'lads' to spray.

All pesticides must also be stored in approved fire resistant, lockable, leakproof cabinets or a purpose built building, dependant on the quantity kept on the course.

There are also strict rules where pesticides can be kept. They are not to be stored in a staff room, office, food areas or a dwelling house, or in a room with direct access to a dwelling house.

Greenkeepers must also keep a log book record of quantities and types stored and used out on the course.

A check on the first aid kit in the sheds is also advisable to ensure the right eye-washes and antidotes are available.

Thirst for knowledge in Japan

Two research seminars held by the Kansai Green Research Institute in Japan last year attracted over 920 greenkeepers. By comparison BIGGA's own conference in Cambridge this month struggled to get 60 greenkeepers in attendance.

Martin leaves Vitax

News has just reached me that Trevor Martin one of the industry's entrepreneurs is to leave Vitax, a company he helped to create and then sold the majority shareholding to Synchemicals last year.

Trevor is to take over as joint managing director with Frank Garvey of Rufford Top-Dress Supplies Ltd where I understand he will have special responsibility for the development of the Rufford range.

Honour for Yorkshire greenkeeper

Roger Bielby, Hornsea's Head Greenkeeper has been elected President of the East Riding Union of Golf Clubs at the annual meeting at Beverley.

A single figure golfer, Roger has captained the East Riding Team for three years and represented the Union in their matches since 1976.

He has competed in the Yorkshire Amateur Championship on many occasions and three years ago reached the quarter finals at Alwoodley.

Sign of the times for TIS

Turf Irrigation Services Ltd of Sandbach, Cheshire has now moved into the big league. From being primarily a North Western operation it has established itself as a nationwide designer and distributor of irrigation systems.

So director Robin Hume decided it was time to show this publicly by shedding the regional image and adopting a suitable company symbol.

In briefing his advertising agency, Ashley Griffiths Associates of Crewe, three aims were agreed. The company mark must reflect the company's true status in the irrigation industry. It must be visually eye-catching and memorable. And it must distinguish the company's title from any similar names.

The agency has created the logo-style, using the pattern of a sprinkler's jets to form the shape of a strongly affirmative tick. This mark has already been applied to Turf Irrigation Services documents and advertising. Within 1989 it will go onto everything else, from servicemen's overalls to service vehicles and the company premises themselves.



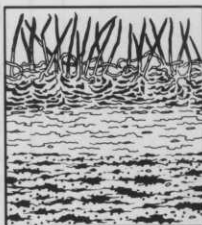
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It's a
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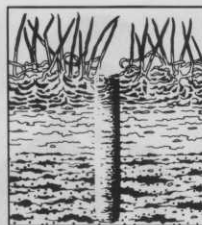
Continuous use can make your ground as tough as old boots.

Thatch and compaction are the result. As you know, scarification and aeration can reduce it.

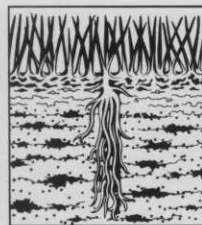
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Record profit from Ransomes

A 36 per cent increase in pre-tax profits to £13.2 million (£9.7 million) has been reported by Ransomes for the year to 31 December 1988. This is the sixth consecutive year of record profit growth. Turnover increased by 13 per cent to £92.1 million compared with £81.2 million in the previous year.

The Group's strategy in both the commercial and consumer grass machinery markets is to grow organically by the development of new products and expanding the range whilst, at the same time, seeking acquisitions which either complement the product range or strengthen the Group's geographical coverage.

Sales of grass cutting machinery, Ransomes' main activity, improved by 25 per cent.

The benefit of new manufacturing techniques introduced since 1986 are starting to show in the results. Computer aided design and computer aided manufacturing systems have proved particularly successful at Ipswich, whilst the 'just in time' manufacturing principle at Mountfield and robotic welding equipment in the USA are reducing unit production costs.

During 1988, Ransomes made three strategic acquisitions. In January, Steiner Turf Equipment Inc based in Ohio was

purchased for £1.19 million. In September BTS Green SpA situated in Renate near Milan was acquired for £0.86 million whilst Granja S.A. located at Toulouse was bought for £2.58 million in December.

Steiner Turf Equipment increases the Group's presence in the American market, and provides Ransomes with a range of specialist products which complement the Group's existing range of commercial machinery. The Steiner products are now sold worldwide using the extensive Ransomes distribution network.

BTS Green and Granja, which both manufacture domestic rotary mowers, have strengthened the Group's position in the European consumer grass cutting machinery market. They provide manufacturing centres as well as distribution networks in Italy and France.

The existing Ransomes businesses generated a positive cash flow during 1988, but the purchase of the above companies together with the working capital needed for their day to day operations meant that Group borrowings increased during the year to £7.8 million.

New operator for golf centre

Basingstoke and Deane Borough Council have appointed A M Golf Services as the operators for the par three golf course and new driving range on the West Ham Lei-

sure Park site. The company was chosen from six others for their package which proposes a high standard of service.

The new driving range is currently under construction by John Jacobs Associates, and will consist of 24 floodlit bays which will be open from 9.30am until 10pm seven days per week. The conversion of an existing building into a Pro Shop will be another addition to the par 3 course already on site.

A M Golf Services is run by Anthony Walters and Mark Howell; Mr Walters has had considerable experience in leisure management and Mr Howell is a club professional who has been a professional golfer for ten years, three of them playing on the European Golf Circuit. They are both committed to making golf accessible to all members of the public, and providing facilities and opportunities for everyone to become involved in the game.

Despite record attendances, the growing popularity of the game and the mild winter allowing more play, the golf Centre is expected to have operated at a small deficit for the 1988/89 financial year. By the Council providing the additional facilities and appointing a golf professional to operate the facility on their behalf, the public will have greater opportunities and the centre will produce an operational surplus. The company has been awarded the concession for five years.

New amenity grass seed brochure

Booker Seeds Ltd has just published the 1989/90 edition of "Grass Seed Mixtures For Amenity Turf Areas" and copies are available free of charge from the company's Sleaford office.

This 32 page booklet is one of the most comprehensive publications of its type. The new edition highlights the company's well proven range of 'Designer' mixtures and a useful selection chart makes it easy for all customers to identify the most suitable formulation for their individual requirements.

The company says it has extended its selection of grass and wild flower mixtures to cover a more diverse range of habitats and also include a wider choice of colourful native species.

In the introduction to the booklet Booker Seeds stress the importance of their Technical Support Team and point out that specialists in this field are available for 'on-site' consultations.



Basingstoke and Deane Borough Council's Director of Leisure Services, Gordon Holdcroft (right) and the Chairman of the Leisure Services Committee, Councillor Martyn Frost, with Anthony Walters of AM Golf Services (seated).

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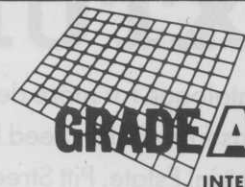
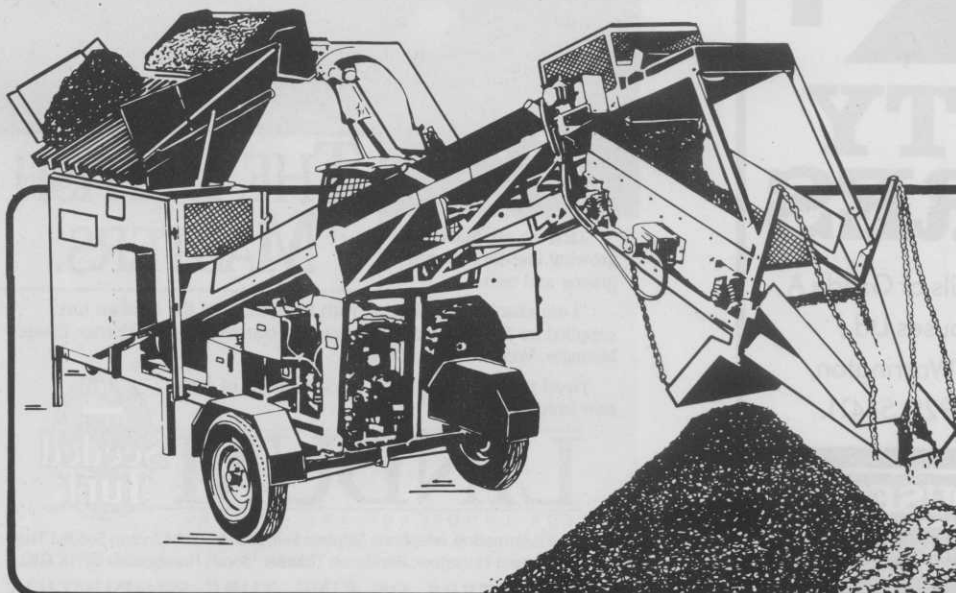
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soil with stones, shrubs and sods producing high quality loose and manageable soil. In fact, the SS100 turns tough, lumpy organic humus into pure, workable compost.

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Sta-Brite sales growth

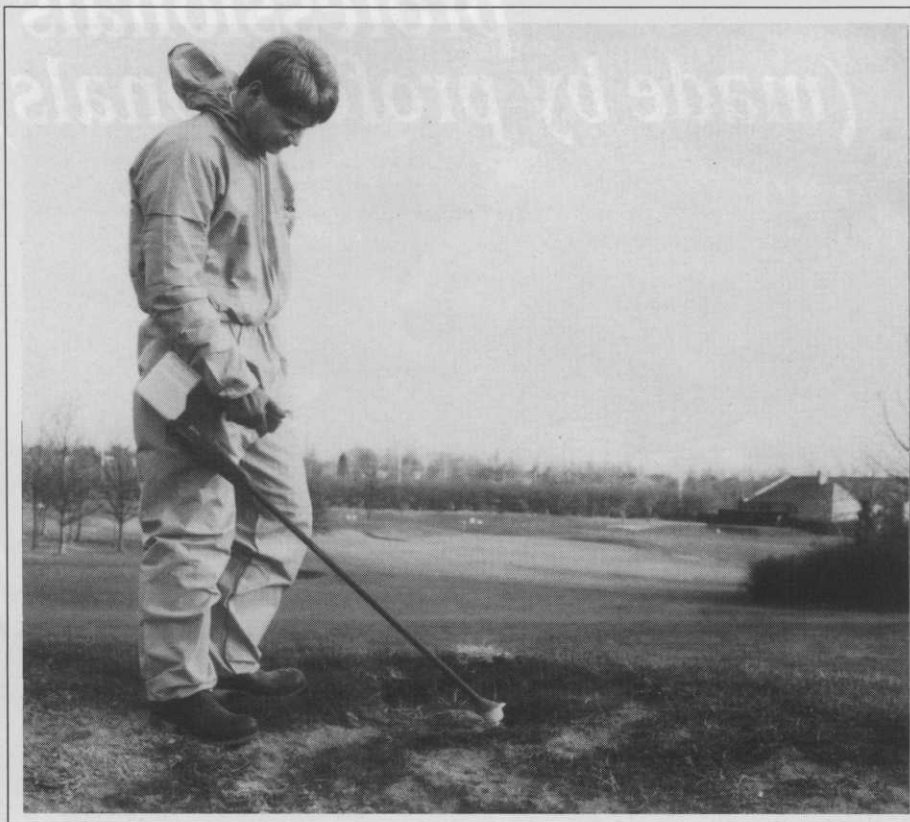
Thermax Sta-Brite Products Ltd is celebrating a year of phenomenal sales growth with the enlargement of its sales force and new distributorships.

The Farnborough, Hants based company now covers the whole of southern England, with the team headed by Chris Sharp and now being joined by Chris Rudkin and Bernard Wall.

Sta-Brite has recently been appointed sole distributors for England and Wales for the Swiss-made Schweizer Royal range of top grade, slow release nitrogen fertilisers. The Royal range is said to be ideal for golf courses and includes four different formulations that are micro-granulated specially for use on golf greens, plus seven other products ideal for tees, fairways and roughs.

Farmura have also granted distributor status to Sta-Brite for a range of organic fertilisers.

Sta-Brite's new 1989 Catalogue is available now and lists a host of new products including its own Nitrosolo range of economically priced high nitrogen fertilisers, a re-formulated range of grass seed mixtures, TSP HI-FLIERS, plus a new range from Booker Seeds.



Weeds 'picked off' in bunkers with pin point accuracy by the Panther Compact Lance.

New herbicide lance gives 'sniper' accuracy

A new applicator that will spray weed killing chemicals with pin point accuracy is about to be launched onto the British market.

The hand held Panther Compact Lance manufactured by the Nomix Co. and available in May through their subsidiary company, Chipman Ltd has taken the controlled droplet applicator to its ultimate efficiency.

Weighing less than 2kg including a full container of chemicals an operator can set the rate of spray at a comfortable walking pace, to cover fence lines, out of bounds trenches and the edges of bunkers, without any danger of chemical drift.

Before setting off, the operator calibrates the flow rate and spray width into a sealed cup. The chemical is then automatically let back into the container.

The sealed 750ml plastic pack of the herbicide, Stirrup, with a glyphosate base is produced by Monstanto Chemicals. The pack is snapped into the handle of the lance so it becomes a complete sealed

unit. This quantity is sufficient to spray a band of weedkiller 15cm wide along three miles of fence line.

The lance can also be adjusted to spray over a wider band or at its narrowest for treating around trees, shrubs or spot application. Greenkeepers will find this lance particularly useful for weed treatment in sand bunkers and along path edges between tees.

Power for the lance is provided by four easily purchased pencil type batteries either disposable or the rechargeable variety.

So far only Stirrup has received MAF clearance as a herbicide, but John Collins, Chipmans commercial manager, anticipates a further range of chemicals will be available later in the year after approval at the Ministry Testing Laboratories.

The total droplet control system allows undilute chemical to be sprayed with great accuracy and minimum drift. There is also incorporated a tracer element so the operator can see exactly where the chemical has been applied.

The advantage of Stirrup, according to Dr Richard Garnett, Monsanto's UK manager is that the chemical acts through the leaves of the plant, leaving no residue in

the soil or leaching. He also confirmed there would be no harmful effects on wild life.

Complete Weed Control take to the water

Following its purchase of Aquaply Ltd in 1988, Complete Weed Control is now set to tackle the aquatic weed market on a national basis.

In November 1988, CWC held an aquatic training course for its staff which was conducted by David Spencer-Jones of 'Waterwise'. Over the past two months they have received additional training on boat handling and application techniques from CWC sales and marketing director, Nick Thain, who is himself an NPTC aquatics examiner. These courses were held at various locations throughout the country and each was then followed by an examination, using independent NPTC examiners.

As a result, CWC now has a total of 21 personnel holding PA5A certificates of competence, including two NPTC examiners. The PA5A module covers boat mounted hydraulic boom nozzle, viscous

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This major achievement means that for the first time there is a truly national network of contractor staff from a single company covering the important aquatic weed market in Great Britain.

Elmwood students visit Gleneagles

Recently a one week course in Supervisory Studies for greenkeepers was held at Elmwood College. This year there were 20 students on the course from throughout the UK, from Islay and Inverness to Woking.

Apart from a full programme of study including topics such as staff motivation, budgeting, communication, interviewing techniques and public speaking, the students had the opportunity to be shown round the golf complex at Gleneagles by Mr Archie Dunn, Head Greenkeeper on the Kings Course. The students were also addressed by external speakers from the greenkeeping world including Alistair Connell, Estates and Golf Course Manager, Cawdor Golf Club, Bishopbriggs and John Philp, Head Greenkeeper, Carnoustie Golf Club, Carnoustie.

The group are shown in the photograph



with Mr A Smith, (extreme left) Senior Lecturer in Horticulture and Course Tutor.

Improving the approach

However lovely the venue potholes in the approach roads, through roads and paths spoil the whole effect and give rise to complaints and possibly claims for personal injury or damage to vehicles.

Yet unsightly and dangerous as such potholes are; their repair has to wait on suitable weather, on being able to shut the area for repair, on waiting for enough holes to warrant calling in a contractor.

Now however permanent repairs which completely blend with the road surface taking an average of 3 minutes each can be effected by unskilled labour to any type of breakdown in tarmac/asphalt, in any weather conditions using only a broom, shovel and a British product Emcol Instant Road Repair without even having to close the area. Packed in 25kg buckets with a storage life of 10 months this product is applied cold with no mixing, cutting out, tack coats or rolling except for large overlays.

Formulated by Emcol International Ltd of Bristol and manufactured in 35 locations in 25 countries overseas, Instant Road Repair is available throughout the UK (carriage free) in quantities from two packs to truck loads.

Basingstoke Golf Club to be sold

At an Extraordinary General Meeting held by the Basingstoke Golf Club Ltd, on Wednesday 29th March, the voting members present resolved by 335 votes to 47 "That the company's existing golf course and premises shall be sold and the company shall acquire in its place two new 18 hole golf courses with ancilliary golfing facilities and such sale and purchase shall

be on the best terms reasonably obtainable by the board of directors."

This decision confirms the rumours and happenings of the past 12 months during which time several offers have been received for the 105 acres 18 hole golf course. The board has appointed the residential and leisure divisions of chartered surveyors Humberts to act on their behalf in the disposal of the course and the acquisition of an alternative site, probably south of the M3 motorway, upon which can be placed two 18 hole courses and a modern club house.

The fact that these momentous decisions can be considered by the existing Membership, is brought about by the strong possibility that the 105 acres course will be included in the second alteration of the North East Hampshire Structure Plan due for publication in the near future. Basingstoke requires 4500 houses and Hampshire County Council in its recommendations to Nicholas Ridley, Minister for the Environment, have suggested that these be provided as an extension to Basingstoke Town between 1991 and 2001.

Provided that a suitable site for the relocation of the existing Club can be found, the development of the 105 acres could receive the support of the planners.

Humberts partners, Jeremy Blanchard and Nigel Talbot-Ponsonby, are in contact with interested developers.

Course measurement changes

A change in the regulations now allows clubs to set the par score for every hole on their course effective from 1st April.

The Council of National Golf Unions have included the revised regulations among a number of modifications to the standard scratch score and handicapping scheme introduced in 1983.

Previously only length had been the criteria for deciding par. A par three hole measured up to 250 yards from the competition tee marker to the centre of the green, a par four between 251 and 475 yards and a par five 476 yards and above.

Under the new rules a par three cannot be longer than 250 yards, but a par four can be in the range of 220 yards to 500 yards. A par five can be set from 440 yards upwards.

The revision does not affect the standard scratch score of a course, but does allow clubs to adjust par to take account of the terrain between tee and green and the normal prevailing weather conditions.

OPEN CHAMPIONSHIP

17th-23rd JULY, 1989

If you wish to assist with bunker-raking and other duties at Troon, please forward your name and address to the Executive Director as soon as possible with an indication of the dates on which you are available. Please note that assistance is needed for the practice days as well as the four Championship days.

Preference will be given to those members who can make themselves available for the whole period.

NATIONAL TOURNAMENT

Members should note that this will be held at **The Lyme Regis Golf Club, Lyme Regis, Dorset** from 14th - 16th August 1989.

Maintaining a water balance on the English Riviera

Situated on the Haldon plateau, almost 900 feet above sea level, Teignmouth Golf Club enjoys breathtaking views towards Portland Bill in the east and across Dartmoor to the west. Yet, the unique position of this seaside course brings its own special problems, as Michael Bird discovers.

Spring water pumped 600 feet up an escarpment has literally been a summer life-saver for the greens at Teignmouth Golf Club.

Stored in a below-ground reservoir and applied to the course by automatic irrigation, the water has helped maintain adequate grass cover and growth during times of low rainfall, protecting the turf against the strong, burning winds which are particularly prevalent on the panoramic 18 hole course overlooking the Teign estuary in south Devon.

In winter, however, it's a completely different story, as head greenkeeper, Jack Moore, explained: "The course was designed and constructed under the supervision of Dr Alisdair Mackenzie, opening in 1924. No drainage system was built into any of greens at the time and that situation still exists today.

"Because there was no practical or convenient way of getting water onto the course at the time, it was designed so that virtually every fairway sloped towards a green, allowing rainwater to run to where it was most needed," he said.

"That may have been a good idea 50 to 60 years ago, but we are suffering as a result. The nature of the land, which consists of a maximum four inches of peaty top soil over a layer of flints, and then a layer of shaley clay, has produced a great deal of subsidence and compaction around the course as a result of the traffic over the years."

That situation, coupled with the lack of adequate drainage, meant that the greens became waterlogged quite quickly, resulting in thatchy and uneven putting surfaces.

Although temporary greens are still used occasionally at Teignmouth, there has been a great improvement in course conditions as a result of work instigated and

carried out by Jack Moore and his team of three assistants over the past six years.

"For a start, it was imperative that the greens be kept open to allow the water to escape as quickly as possible," he explained. "So, in addition to slit aeration at weekly intervals over winter, and solid tining every fortnight during the summer, we also Verti-drain each year in October."

Water diversion has also been assisted by recontouring of the surroundings of the most badly-affected holes.

Because the greens were also looking very tired as a result of their water-logging in winter and battering by sun, wind and feet during the summer, Jack Moore initiated an annual programme of turf dressings, starting with an application of lawn sand at the end of March.

The greens are then scarified and top-dressed with sand which, said Jack, had been most beneficial in helping to keep the surfaces open.

This treatment is followed three to four weeks later by BASF's Floranid N slow-release fertiliser, spread at a rate of $\frac{3}{4}$ oz per sq. yard.

A second similar application of Floranid is given in June or July, sufficient, Jack Moore explained, "to take us through to the back end of the year."

In September, every green is hollow tined with a Coremaster machine and top dressed, again with straight sand. Last year, for the first time, overseeding was carried out using an 80 per cent fescue, 20 per cent bents mix.

"This was most successful," pointed out Jack Moore. "Germination was good and the overall results were excellent. We shall definitely be doing the same again this season."

As part of the summer turf maintenance programme, the greens are

lightly scarified fortnightly and a light top dressing of sand is applied each month. "Because of the past history of the greens, we do have a thatch problem," explained Jack. "This treatment, together with regular slitting using the Cushman, has helped no end."

Although the greens are mowed daily in the summer - to $\frac{3}{16}$ in normally, or $\frac{1}{8}$ th inch prior to a tournament - the story is very different on the remainder of the course.

"When I arrived, all areas were cut extremely tight," pointed out Jack Moore. "The result was some pretty horrific golf ball bounces with wind burn soon turning the turf brown in dry spells."

The first action taken by Jack was to increase the height of cut on the fairways, greens approaches and surrounds. He also reduced the frequency of mowing. "We needed more grass cover. It doesn't grow that quickly anyway due to the altitude and the acid conditions, while the surface gets extremely hard due to the drying winds and the flinty soil. We now aim to keep $\frac{3}{4}$ in of grass on the fairways."

To minimise wear on the tees, marker positions are moved daily, while mowing - to $\frac{1}{2}$ in minimum - is a twice-weekly operation.

Because golfers are out early at Teignmouth, due to the extremely high number of summer visitors, Jack Moore and his staff are always on the course at 6am, cutting the greens first thing and moving the hole positions every other day.

However, this operation has become increasingly difficult due to the uneven surfaces of the greens, which were not flat even when constructed.

"Dr Mackenzie liked to build in different levels on a golf green," explained Jack Moore. "This, coupled with the subsidence has left us

Continued on page 20

ON THE COURSE



Jack Moore with the rabbit fence erected to protect the 18th fairway. Twelve months ago the land within the fence looked the same as that to Jack's left.

with very few level areas for pin placement."

As a result, a programme of green rebuilding is now underway, commencing with the construction of a brand new short hole which will be ready for use in the spring of 1990, and designed to be brought into play when one of the existing greens on the course is being worked on.

The first green planned for attention is the 16th which has sunk 3 feet since it was built.

With design assistance from golf course architect, Fred Hawtree, the intention is to level and extend the green and install a modern drainage system. The surrounds will also be recontoured so that water no longer flows onto the putting surface. Other badly-affected greens will receive the same treatment in future years.

At the same time as the new 135 metre short hole was constructed, Jack Moore and his team prepared the land for a new fairway and tee for the 18th.

"The aim is to make this a par four

instead of a par three hole, with an interesting dog leg to the right," he explained. "Because of the lack of top soil, it was impossible to plough so, after clearing the virgin gorse and heather, we rotary cultivated and raked instead. Having removed more than 30 tonnes of flints, seeding was completed last September."

Rabbits are a major problem on the 6,142 yard, par 71, heathland course which is bordered on all sides by common land, so Jack has had to completely fence in both the new spare green and the new 18th fairway and tee for protection.

Fencing is one job he has had to carry out regularly in the past, especially on ground under repair or where greens surrounds have been recontoured to minimise the risk of flooding.

"Our biggest hazard is the shallow depth of the top soil, leading to other problems elsewhere," he explained. "Erosion of walkways and the areas around greens and our 74 bunkers was very bad when I came to the course in 1982.

"My first job was to hire in a screening plant which we used to make 3000 tonnes of a soil and sand mix. This was carted around the course, spread out in the most badly-affected areas and then seeded. The improvement is now welcomed by members and the greenstaff."

Jack Moore pointed out that the job had been made easier because he had inherited two superb assistants: "Charlie Woolnough and Nick Stonelake were here when I arrived. They are first-rate lads and can turn their hands to any job on the course.

"Our apprentice, Danny Spencer, is proving to be both enthusiastic and dedicated. I never forget that a head greenkeeper is only as good as his staff."

Although no drainage is present within any of the original greens, the course does possess an effective main system which is regularly being added to.

Drainage channels, about 18in deep, border many of the fairways to catch rainwater running-off from

ON THE COURSE



Jack Moore (centre) with his team in the machinery sheds.



Apprentice greenkeeper Danny Spencer aerates the 18th fairway. Jack Moore is trying fairway aeration for the first time this year in an attempt to open up the extremely hard top surface. Exmouth can be seen in the distance.

the neighbouring higher ground. From these channels, pipes have been laid to carry water beneath the fairways.

"The sub-surface drainage can be

peculiar because of the nature of the soil structure," said Jack Moore. "Although the water can permeate the four inches of top soil, it is not always able to get through the sub-

sequent flinty layer. It then reappears like a spring, without warning."

The poor nature of the soil, while keeping Jack and his staff permanently on their toes, does help in one area - the club has very few problems with weeds.

"We apply sprays preventively," said Jack. "Fusarium patch is our biggest enemy, appearing mainly in spring and autumn when there's low cloud about creating damp, humid conditions."

Unfortunately, this cloud, which drifts in from the sea or the moors, rarely helps in keeping the greens watered. That's down to the automatic irrigation system - installed 20 years ago, updated in 1984 and now applying up to 200 gallons of spring water through four sprinkler heads per green during each irrigation session.

"It's a fine balancing act between the course's summer and winter water requirements," commented Jack Moore. "The secret during the summer is never to let the greens dry out, and by keeping a close eye on the weather we've been able to maintain good putting surfaces, even when drought threatens elsewhere."

Jack Moore said that he had been lucky in his timing.

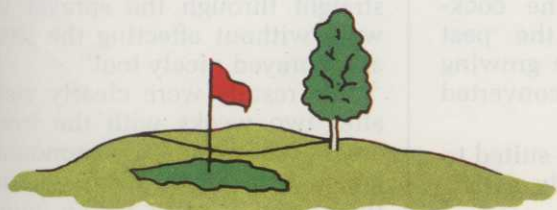
Anyone watching him, and his staff at work, will appreciate that luck has a small part to play compared with the skill, time and dedication that goes into looking after a course that is a delight to golfers, yet provides a constant challenge to those responsible for its year-round care and maintenance.

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PRODUCTS IN GREENKEEPING

The Dynamics of Organics

David Lee describes some new products from Rigby Taylor

The concept of 'organics' is nothing new to greenkeepers, who have been practising the art of natural nurturing of the soil for generations.

Scottish greenkeepers have utilised seaweed in their top-dressings for more than a century. Whether it is animal manure, seaweed, hoof and horn, dried blood or even soil itself, the principles of revitalising the ground for improved turf culture is accepted, as an important management procedure.

What is new however, is that some researchers now feel that organics have a positive biological value in the management of a healthy ecologically balanced soil system.

"The general trend of late has been a definite increase toward greater usage of organic products as a basis of sound grass husbandry programmes, especially in environmentally sensitive areas", comments Geoff Yelland, technical services manager at Rigby Taylor Ltd.

Aware of the demand for such products, the company recently introduced a comprehensive range of organic liquid feeds under its Mascot label. Market research strongly suggested the need for a more sophisticated approach toward soil conditioners, says Yelland. Customers indicated that a single, all purpose product was not enough to accommodate the complexity of soils, soil related problems and standards required for their turf regimes.

The Mascot organic range has three products. The first, Organic Liquid Fertiliser, is a general soil conditioner. It contains anaerobically fermented cow manure with essential trace elements for use on all sports turf - from fine swards to outfield grass.

The product differs from other liquid feeds on the market in two respects. First the source of manure ensures a known composition of nutrients and second the Nitrogen content.

While soil conditioners/feeds must not be confused with the

stronger elements of inorganic fertilisers, the Organic Liquid Fertiliser does contain 0.12% Nitrogen and 0.24% Potash.

Applied at the recommended rate, three times a year, it rapidly encourages microbial activity, leading to improved soil structure and increased nutrient availability from both existing 'locked in' nutrients and subsequent fertiliser applications.

The addition of iron has produced the next product in the range - Mascot Organic Green. It is designed for fine turf areas where an improvement of soil structure is required plus a rapid 'green up' effect without producing excessive foliar growth while 'hardening off' the turf, making it less susceptible to fungal diseases.

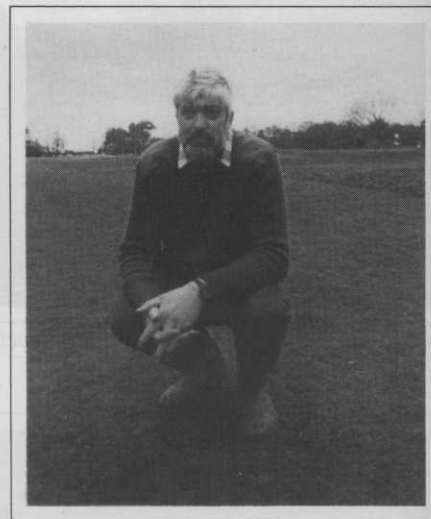
Organic feeds have traditionally featured either liquid cow manure or seaweed. Rigby Taylor has now integrated the benefits of both manures in their Organic Liquid Cocktail. A 70:30 mixture of liquid cow manure to seaweed extract it also contains 'Hydro-Wet', an inbuilt wetting agent to enhance soil penetration.

The immediate function of the cocktail is to stimulate growth of microbes in the soil through the supply of polysaccharides in the seaweed extract. These digest and convert available dead organic matter such as peat, dead roots, leaves and grasses into humus, allowing development of an improved soil structure.

The product also enhances a soil's moisture retention capacity through the presence of sodium alginate. This can carry water up to 2,000 times its own molecular weight to prevent top soil drying out.

Conversely, where peat is a problem, acting as a sponge and causing water-logging, the cocktail will break down the peat strata which, as a sterile growing medium, is not easily converted into humus.

"The product is ideally suited to heavy clay or light, sandy soils", says Geoff Yelland.



Peter Jordan, Head Greenkeeper at Coombe Wood Golf Course gets better root development.

Peter Jordan, Head Greenkeeper at the 18 hole Coombe Wood golf course, Kingston upon Thames, was one of the first to use the new Mascot Organic Cocktail after its launch at the 1988 IOG exhibition.

Having previously used seaweed feeds he was attracted to the cow manure/seaweed combination. "I was keen to try it to stimulate greater micro-organism activity within my soil structure", he said.

The cocktail was applied in late September to the fairways on the top 10 holes along with all the tees and greens at the recommended rate of one pint water to one pint product, a low dilution rate which he liked.

"One of the things I noticed was that it didn't block the spray nozzles unlike other liquid feed products I've used. It was very easy to use and apply. Although we put it through our filters to make sure there was no slurry build-up and inspected those filters during application to make sure they were clean, it went straight through the sprayer very well, without affecting the jets. It also sprayed nicely too!"

The results were clearly visible after two weeks with the treated areas showing a pronounced greened up effect. Examination of the greens in early March found a

PRODUCTS IN GREENKEEPING

further improvement to the turf.

"Its thickened the roots up very well even in this short space of time. You can see that when you change the hole. Although the actual length of the roots have not extended they have become much thicker, illustrating a healthier plant. And that's just in 4 months over the winter. Root development is what its all about."

Another factor Peter Jordan has discovered is that organic feeds help build up grass resistance to disease. "The amount of times we have sprayed in the last 12 months is very low. We have had disease but the number of fungicide treatments on the course has been minimal in a year when disease has been quite rife".

Thatch has been a major problem on the course which is primarily clay although the greens are constructed of a light, textured imported soil. This he partially puts down to the age of the greens (Coombe Wood was opened in 1904-) and the over application of sulphate of Ammonia in the past.

"The old policy of continuous,

heavy feeds of Nitrogen to get a quick grass flush has encouraged the thatch, but we are getting over the problem by a concerted policy over the last three years by verti-draining, hollow tining to 6 ins and slitting as frequently as play will allow. The organic feed has undoubtedly assisted with the thatch breakdown, which is now at a decaying stage."

An additional area where he sees the value of organic feeds is in seeding. "Where we have seeded the tees and over-seeded the greens the feed has retained moisture, stimulating grass seed germination. Similarly, where we have sprayed onto re-turned areas the feed has helped bind in those turves with added moisture retention, but without the spongy effect associated with thatch build-up".

His programme of organic feeds with slow release granular fertiliser is now starting to encourage the finer grasses, and help reduce the poa. "Before the treatment we found water tended to hold on the greens with the thatch. The greens are now drawing well".

This year he aims to apply two light applications of BASF based granular fertiliser in Spring and early August/September in conjunction with earlier treatments of two or three sprays of the Mascot Organic Cocktail and Iron to harden up the grasses.

As a firm believer in organic fertiliser Peter Jordan says he would like to mix his own feed but its just not practical. "I like the convenience of the cocktail. I have the confidence that, as its pre-mixed, the content amounts are correct for immediate application without the worry of whether its the right mix of nutrients".

The need for liquid organic feeds to be used in conjunction with an inorganic fertilisation programme is stressed by Rigby Taylor's Geoff Yelland.

"While liquid organics do contain small proportions of the major nutrients and trace elements, they are essentially soil conditioners", he says. "As such, it is imperative that they are considered as an adjunct to standard fertiliser programmes.



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Golf Irrigation A La Francaise

How a British company is developing its French connections

Whereas the majority of golfers in Britain play on courses at least one hundred years old, the average Frenchman (and occasionally Frenchwomen) have come much more recently to enjoy the game; and enjoy it they now do in ever increasing numbers. To accommodate them, therefore, the growth in golf courses has increased phenomenally over the last decade, to the extent that there are at present around 150 golf courses under construction throughout France. Many of these new courses are situated in popular holiday areas such as Normandy and Brittany, which are easily accessible to the British week-end golfer.

One of the greatest problems facing golf developers in France is the relative lack of experience in all aspects of golf course design and construction. For this reason many British and American architects and golf course constructors are playing

a major role in this development. This is equally true of irrigation and the British company Watermation, one of the world's most experienced golf course irrigation companies, with its' head office at Woking, three years ago set up a French company (Watermation S.A.R.L.) located in Bry-sur-Marne on the outskirts of Paris to take advantage of the opportunities now open to British companies. Watermation had already been working in France for a number of years previous to this and had undertaken several large and important contracts. However, they felt that being "on the spot" would not only build more confidence into their French customers, but also enable them to more easily control and maintain their work to the highest standards. The office staff and the construction team are so far all British and have been chosen both for their experience in the Company and their ability to communicate well in French.

With the normally reliable summer weather in France, irrigation is not an option but an essential for all new golf courses, the majority of which opt to install automatic irrigation on their fairways as well as their tees and greens. These large systems require the latest in modern control technology such as the Watermation TW2 computer control system, already well known and proven in the United Kingdom and elsewhere in Europe.

Examples of current Watermation projects include the new 36 hole course at Léry Poses (near Rouen). This has been planned like many new French golf courses as part of a large sports and leisure complex, often built around a lake in order to accommodate water skiing and other water sports.

At Béthemont, 30 miles west of Paris, the 18 hole championship course, designed by American

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IRRIGATION



architect Jim Engh of Langer Buckley, will also benefit from a fully automatic Watermation irrigation system on greens, tees and fairways, ensuring year round playability for

the expected international clientele. Larger, more established golf courses such as prestigious Fontainebleau Golf Course to the south of Paris have also invested in a Water-

mation irrigation system.

Many French golf course developments, such as Golf de Haut Poitou, situated in western France, have been financed largely by public money, enabling opportunities for public access to golf at prices considered affordable by French standards, if a trifle more expensive than the casual, non-club British golfer would expect to pay. This magnificent 27 hole course near Poitiers, designed by Paris-based British golf architect Bill Baker, took years to build and includes a Watermation designed and installed fully automatic irrigation system on the greens, tees and fairways.

The British golf course industry is therefore well placed to compete in France with 1992 looming. France's first golf course at Pau was, after all, built by the British in the last Century!

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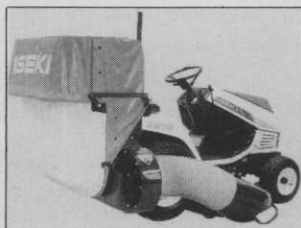
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DEVELOPMENT

Essex refuse tip transformed

Anglian Sportsturf has overcome formidable drainage problems to successfully construct a public golf course on the fringes of East London.



Fairlop Waters Golf Course where formidable drainage problems had to be overcome before construction could begin.

Derelict land, which has been the site of a fairground, a wartime fighter airfield, a gravel pit and a refuse tip, has been transformed into an 18 hole golf course. Fairlop Plain, as this 120 acre site was once called, now features a landscaped amenity with sailing, angling, country park, adventure playground and horse-riding alongside the golf course.

Owned by Redbridge Borough Council, Fairlop Plain needed extensive drainage and irrigation before the golf course could be built. Subject to settlement and flooding, a further difficulty was caused by the generation of methane gas as is found on all refuse tip sites. This killed the grass and it was essential that the percolation of methane through the grass sward was controlled.

First enquiries by the Council

suggested that it would be impossible to drain the site which is flat, having only an 11 foot fall in about 1,100 yards. Anglian Sportsturf suggested otherwise.

"In order to install the pipe drains with sufficient falls to overcome shifting levels in the ground, it was first necessary to design a drainage scheme that would take account of any natural drainage fall already existing," explained Harry Bird of Anglian Sportsturf. "In fact, the natural ground gave little help. However, a scheme was designed that would take what advantage it could from the existing levels. Even so, it is difficult to install pipes with a very shallow fall, and the design demanded the use of special laser controller trenchers.

"Considerable difficulties were encountered during the course of installation due to the debris –

– everything, including the kitchen sink, had been buried in the tip.

"Following the installation of the pipe drainage scheme an interconnecting matrix of sand/gravel drainage channels were installed. These pick up the surface water and carry it to the pipe drains. This enables the intensity of the drainage to be dramatically improved to an acceptable level for year round use," explained Harry Bird.

Anglian Sportsturf's work has been so successful that the drainage system has proved an effective safety valve, allowing the gas to be vented in a controlled manner so that it has little or no effect on the grass.

Anglian Sportsturf were also responsible for the construction of tees and greens and maintained the course until its opening.



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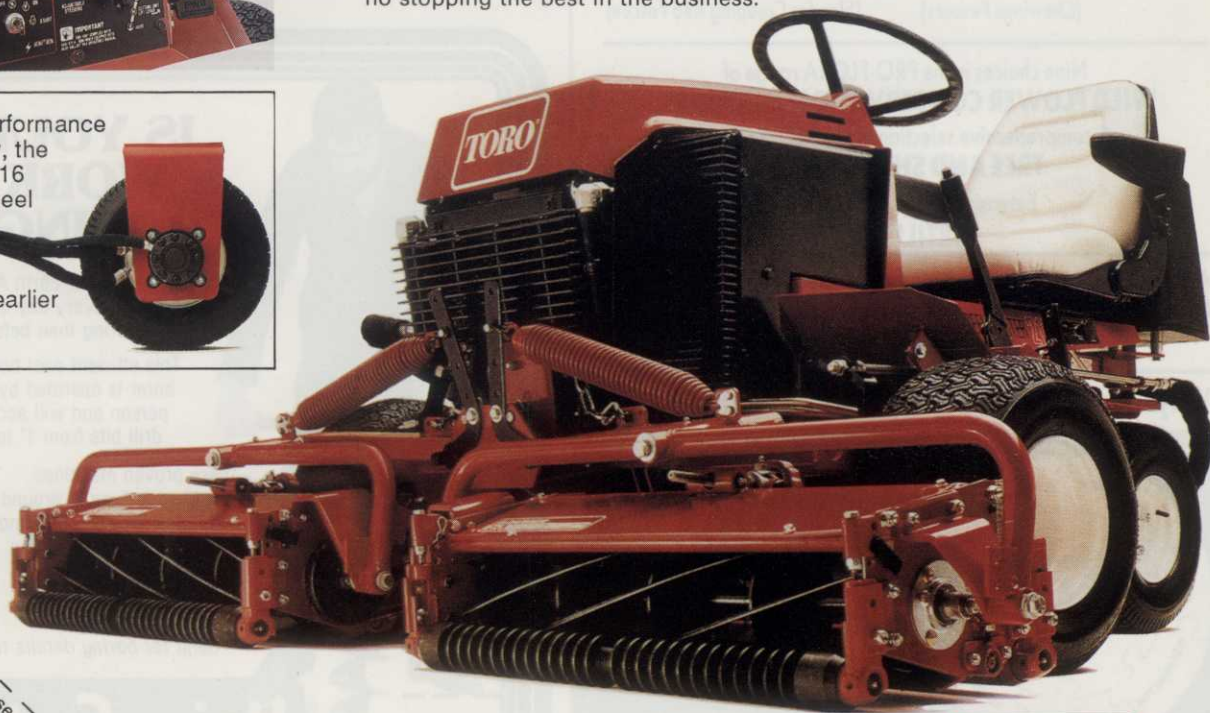
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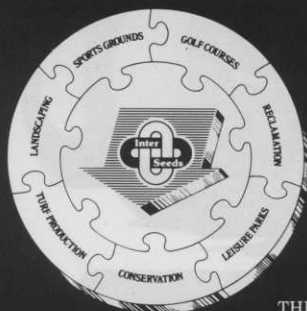
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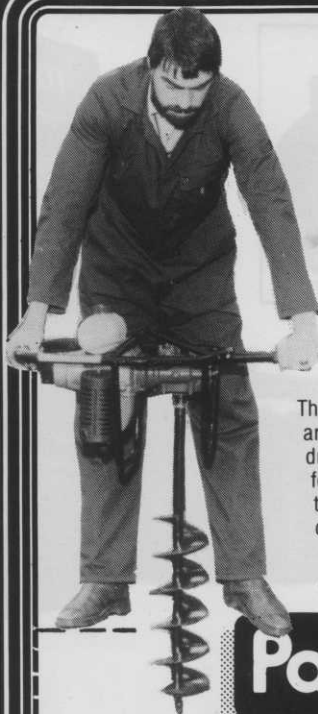
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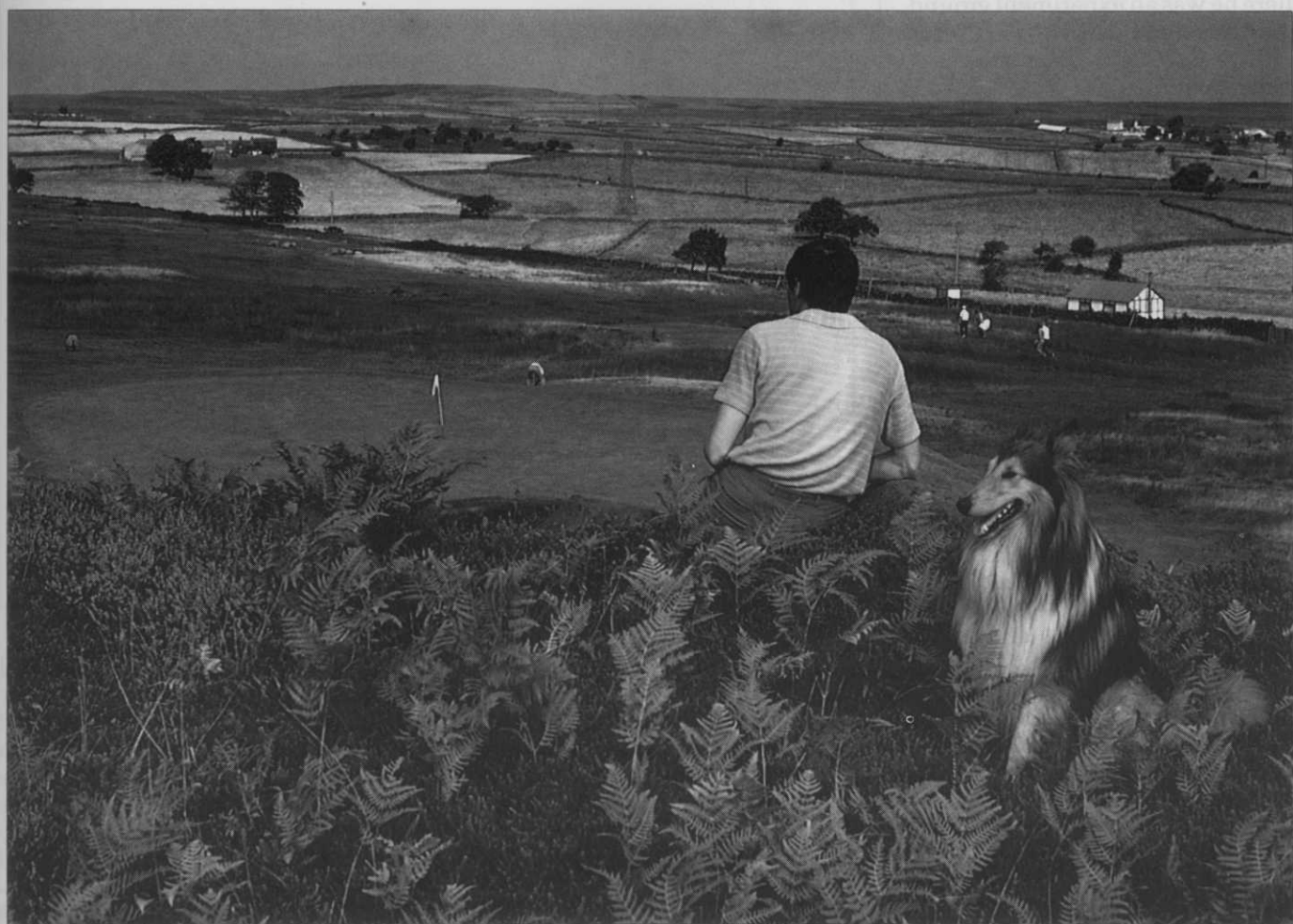
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TGC



Horses and hang gliders add to the hazards on Baildon Moor

John Lelean meets David Hannam, the inventive greenkeeper with plenty of problems to solve.

Bradford, the heart of the woolen industry, was one of the wealthiest parts of the country just before the turn of the century so it was inevitable that areas of sheep grazing on the residential outskirts, but still in sight of the satanic mills would become, what was then the rich man's hobby - golf courses.

Nine courses were constructed within a ten mile radius of the city between 1891 and 1900 among them Baildon Golf Club, once known as Bradford Golf Club until the accolade was transferred to their neighbour across the valley at Hawksworth.

The Baildon course was con-

structed on common land on Baildon Moor. It is still common land despite the private golf club. Adjoining land-owners have the right to graze cattle and sheep, dog owners are free to wander at will, horses are ridden daily and on a warm Bank Holiday it is not unusual to find a family picnicking on one of the greens. Fortunately there are not too many warm weekends on Baildon Moor.

The latest hazard for golfers are trainee hang gliders who use the elevated slopes to launch themselves into space in the hope of making a soft landing in the moor mat grass or thick sedge at the edge of the

fairways.

Baildon's most famous neighbour is show jumper Harvey Smith, whose extensive stables overlook the ninth green. He exercises his horses across the golf course daily, but keeps away from the playing surfaces as far as possible.

The custody of the course is in the capable hands of the new Northern Regional Administrator, 40 year old David Hannam, for many years secretary of the Northern Section.

He came to Baildon as Head Greenkeeper nine years ago from the Sports Turf Research Institute

MANAGEMENT

where he was an experiment ground superintendent, following six years at Ilkley Golf Club as an assistant greenkeeper.

David is one of the few greenkeepers in the country with management qualifications obtaining a NEBSS certificate in Supervisory Studies in 1975, together with a City and Guilds Supervisory Management.

He also holds an Intermediate National Diploma from the Institute of Groundsmanship and obtained a distinction at the Cheshire College of Agriculture, where he was voted best student of the year. Latterly he has lectured part-time at Wakefield and Shipley Colleges.

We met out on the tenth green where he was re-modelling the bunker to the front of this par three. As my arrival on foot across the moor, guided by distant landmarks, coincided with the onset of rain, neither of us needed a great deal of persuasion to adjourn to the comparative comfort of the tractor cab.

David said his club, founded in 1898, has never been regarded as wealthy, but always well supported by a mainly artisan membership.



Stripping turf prior to re-modelling Baildon's eighth green.

There are around 700 altogether and their fees have to finance most of the expenditure as the surrounding courses cream off much of the green fee paying visiting parties.

Last Easter, a fire gutted most of the interior of the club-house, but this has now been refurbished at a

cost of £120,000. Part of the original wooden building clad in masonry still remains, brought it is said, at dead of night by horse drawn wagon from the Leeds Golf Club at Cobble Hall. No one is sure whether the journey during the hours of darkness was to disguise its eventual

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MANAGEMENT

destination or to facilitate the move.

Most of the greens, regarded as the driest in Bradford, have a pre-dominance of bent, some annual meadow grass with fescue on the better drained greens. One, the newly constructed fourth, has more fescue than any other because it was sown that way and now after struggling for a couple of seasons has produced a fine sward.

The greens drain well throughout the year despite a lack of constructed drainage. David puts this down to a programme of intensive aeration throughout the winter starting with hollow tining in October, leaving the holes open.

He then deep slits about five times with a "home made" 12in converted Sisis DP48 split in half, just one of the pieces of maintenance equipment he has invented for use with a compact tractor. During the playing season aeration continues with a 7in slitter, as frequently as possible.

The soil is acid with a predominantly clay sub-strata, though David believes it is a "friendly" structure, allowing roots to penetrate quite deeply through the fissures.

During the season he aims to apply four top dressing applications with his own mixture of two to one sand and compost, supplemented with ground peat and a touch of charcoal.

As a traditionalist, Hannam makes his own compost from an abundance of local horse "muck" and quality top soil, in the firm belief that a good organic balance must be maintained for the benefit



A newly delivered Lloyds Paladin adds credit to Baildon's new fourth green.

of the soil, micro flora and a healthy sward.

Fertilizers are applied twice in the year, a spring dressing of Slow Release Nitrogen, followed by a later application of the same feed.

Like most other Yorkshire greenkeepers David needs to watch for fusarium. As a preventative he alternates between Vinclozolin and Iprodione and gives his greens a periodic iron spray.

There is no irrigation system at Baildon, but plenty of water is close at hand, a whole reservoir full, backing on to the greenkeeper's sheds! When necessary he can dose 400 gallons on every green in a day by filling a tank on a trailer, driving out on the course and pumping it on with a petrol engine.

Naturally time consuming, very labour intensive, hardly to be recommended, though a lifesaver in

times of severe stress, that is why he puts such emphasis on deep green aeration to increase the root growth.

All the greens at Baildon are cut with hand operated mowers, adjusting the height of cut and mowing frequency consistent with the prevailing climatic conditions, the amount of play and current green treatment.

David has four Lloyds Paladins, with two Ransomes Marquis to cut tees. Last year the club invested in a Beaver 508 with floating heads to cut the fairways to replace the mounted triple set.

This has been a wise buy as the course can be cut weekly in just over the day compared to the two days of work a fortnight it took previously. All agree the fairways have never looked better.

David has been a firm believer in the compact tractor since it was first introduced to the market, Baildon being the first course in the UK to go "compact" for total greens maintenance. He bought his first in 1980 and a second three years later. He said "As a general workhorse for this course there is nothing better."

Power is regarded as essential at Baildon and as well as the 12.5hp compact he has one 4WD-17hp, another of 37hp and a 4WD-60hp for heavy duty haulage.

Winter construction projects involve the building of at least three tees each year despite the limitations of only three greenstaff other than himself, but this has not stopped him building a

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MANAGEMENT

new fourth green from scratch on ground previously in the category of scrub, as well as remodelling another.

Ninety-six loads of rooting mix went into the area, pulled across the course by tractor and trailer. It was sown at the beginning of October with an 80/20 fescue/bent mixture rather later than planned because of bad weather, but now in its third year is developing a thick and healthy sward.

Although Baildon has a Green Committee, David said he is given almost a free hand to maintain and develop the course as he sees fit. The club have adopted a very liberal attitude to the work carried out and have the utmost confidence in the ability of his management and the skill of his greenstaff.

They also subscribe to a sound progressive policy for greenstaff education and training and are to be commended for what Hannam believes is a very healthy attitude, unlike some clubs who still remain ignorant or apathetic to the professional development of their greenstaff.

One of his staff, Scott Thompson,

holds a full City and Guilds certificate in greenkeeping, another Stephen Gardner an ex-YTS student from nearby Otley golf club, is on the first year course at Shipley College. His first assistant Nick Faram has been at Baildon for 13 years. All are encouraged to attend greenkeeping lectures and exhibitions.

David's new role within the Association as Regional Administrator is expected to be even more time consuming than that of Northern Section Secretary. There will be more meetings to attend, greater distances to travel, particularly because his kingdom extends from Merseyside to Teeside, and South Yorkshire to the Scottish Borders.

Asked how he saw his new job developing, David said his predecessor David Golding would be a hard act to follow, but he did have some new ideas which in time he hoped to implement.

His primary objective would be as a link between member and management, feeding views from the five Sections through to Headquarters. Meanwhile he still had the bunkers around the tenth green to finish as soon as it stopped raining.

OBITUARY

Mr John Field, one of the most respected members of the golf course distributive industry died at the end of January after a short illness, aged 66.

Among the mourners at his funeral were many friends from the world of golf, including greenkeepers, business associates, fellow members of local golf clubs as well as a large number of personal friends and relatives.

As a young man John represented Franks Keeps an old established firm supplying golf and sports clubs in the South East. Later he joined Maxwell Hart, becoming their Technical Sales Manager a position he held for many years.

Through his association with greenkeepers he became closely involved with the BGGGA attending local lectures and tournaments, taking an organizing role each year at the National Tournament, where his service proved invaluable.

As a mark of the Association's appreciation he was appointed a Vice President at National level as well as a Vice President of the Southern Section.

After a lifetime associated with golf courses it was inevitable he would take up the game, joining his local club, Langley Park. His wife Audrey also shared his interest and they shared many happy hours on British courses.

John will be sadly missed by his wife, son and daughter as well as the many friends he made through the game of golf.

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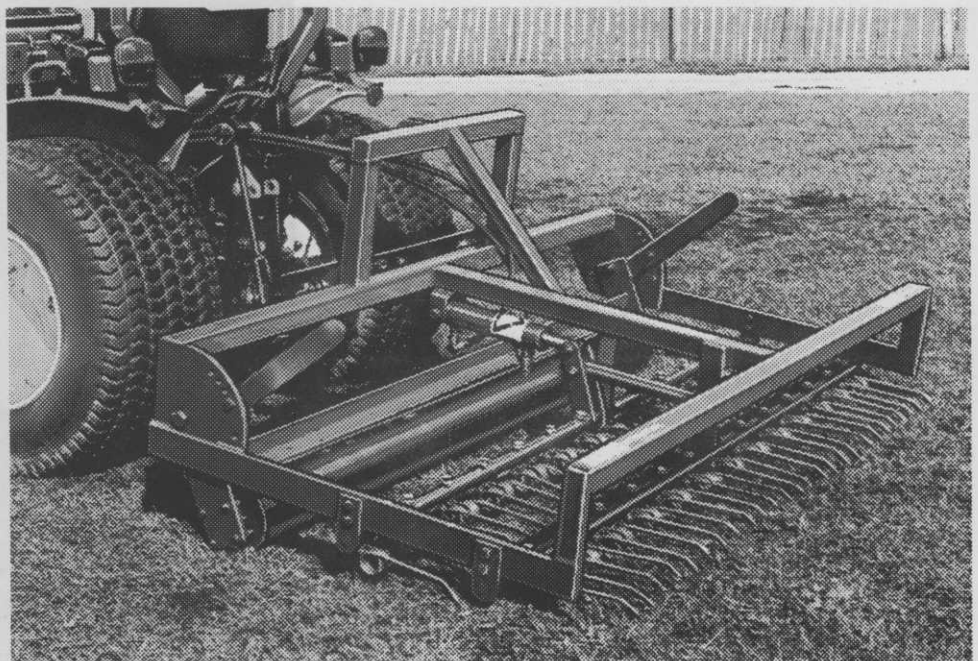
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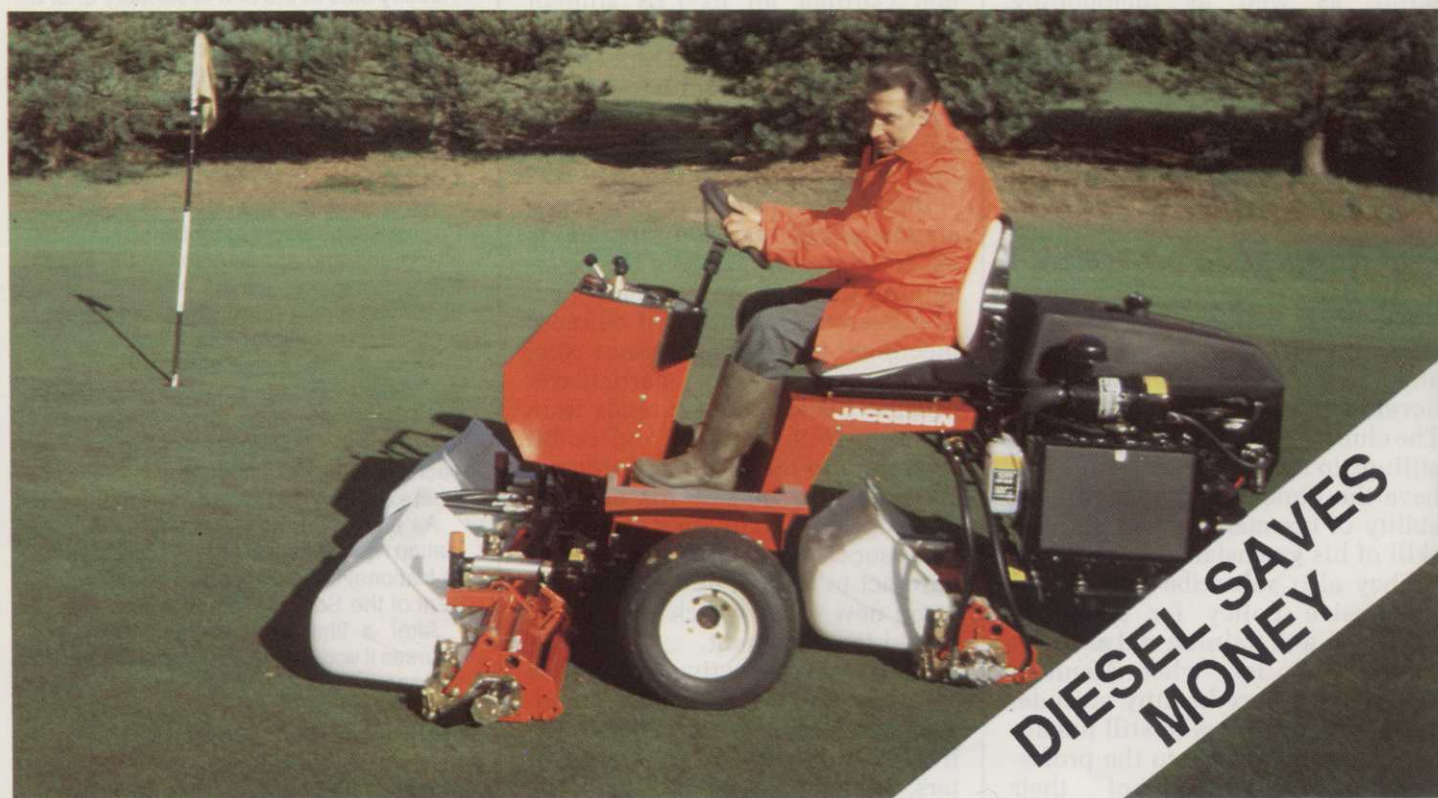


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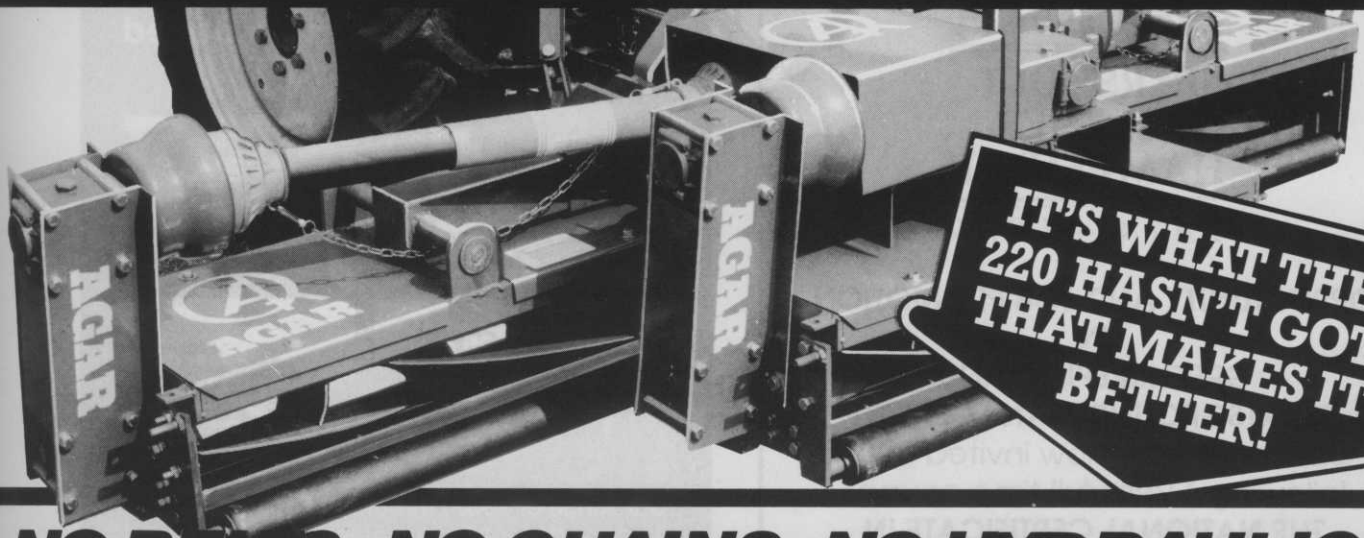


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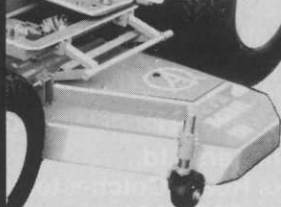
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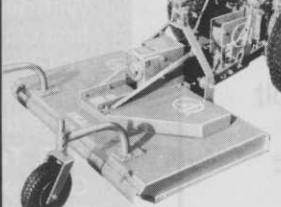
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AROUND THE GREEN

BRITISH AND INTERNATIONAL GOLF GREENKEEPERS ASSOCIATION

SOUTH WEST AND SOUTH WALES REGION

South Wales Section

On February 21st, we visited Powerfab at Tredegar. Manufacturers of backacting units for all types of machinery. The turnout from the membership was very poor but those who attended were given an excellent time.

We met at 1.45pm for coffee, then toured the whole factory, seeing it from the raw material stage to the machining, welding and painting stages, through to the final assembly. We also had a quick demonstration on the versatility of all the machines from front-loading buckets to the tracked vehicle backacters. It was interesting to learn that Powerfab export to virtually every country in the world and that they would be prepared to make an attachment for any specific use, from clay buckets to bore drills. Our thanks to Mr Ken Johns and his staff for their very kind hospitality.

Obituary

It is with great regret that I inform the membership of the death of Mr Arthur Price of Carmarthen.

Arthur was a very popular character not just within South Wales, but throughout the country as a past chairman of the former Association at National level as well as at Sectional level. Arthur attended the meetings regularly throughout the years, from Sectional competitions to National competitions and was a regular member of the Welsh team in International competitions.

I am sure that Arthur will be missed very much by the members from South Wales and throughout the country. We send our sincerest condolences to his family at their bereavement.

Recent Appointments

We would like to wish every success to Graham Cox and Huw Parry on their recent appointments to new posts. Graham took over at Cardiff golf club at

Cyncoed and Huw took over at Caerphilly golf club where Graham was previously.

P. Swain

South Coast Section

Westurf '89

Please support this Regional Trade Exhibition which is taking place on Wednesday, 24th May at Long Ashton Golf Club, near Bristol, Avon.

A large number of exhibitors will be in attendance making the event one of the largest Turf Exhibitions to be held in the South West. Your Committee has proposed hiring a coach or mini-bus to take Section members to the event. Please let me know if you wish to take advantage of this offer.

Details of our Summer Tournament are as follows:- Cowdray Park Golf Club, West Sussex.

Wednesday 12th July, 1989. Teeing off from 2.00pm £12.00 per person. Closing date 4th July.

The competition, consisting of a member and partner from their club, will be the usual format of an 18 hole Four ball better ball.

Written entries, giving name, address, name of partner and current handicaps, together with the appropriate fee should be sent to:- Mr. J. Burdett, 948 Castle Lane East, Bournemouth, BH7 6SP. Tel: 0202-483017.

J. R. Dennis

MIDLAND AND NORTH WALES REGION

Mid Anglia Section

Around 22 members turned out on Monday 27th February at Welwyn Golf Club to hear a lecture by Mr Finney of Ayletts Nurseries, St Albans. The subject was "Trees, Shrubs and Heathers for the use on the Golf Course and Club House Areas", and was very informative backed by a range of coloured slides. Our thanks to Mr Finney for stepping in at such short notice, and also to John Wells for organising this event.

A late reminder of the Spring Tournament to be held at Beadlow Manor on April 26th. Fee £17.50. Please contact Ken Bunting on 0442-843359. Please contact me if you have not received a copy of the 1989 fixture list, and note that my telephone number is 0923-228703, and not as printed in the Jan/Feb issue of the magazine.

Finally on behalf of all our members, I would like to convey our thanks to Bob Goodwin for all his hard work and efforts over the last ten years.

P. Fitzjohn

Midland and North Wales Section

Our March lecture at Telford Golf and Country Club was very well attended with 39 members present to hear Richard Maw, the Testing Officer for the West Midlands, give a talk on the Pesticides Law and answer numerous questions. There were unfortunately some unanswered questions which even Mr Law said should be looked at more fully, and a majority left feeling either unsure or complacent about these new regulations. A most interesting afternoon was had and many thanks go to Mr Maw for sharing his knowledge. Thanks also to Telford Golf and Country Club for the use of their facilities. For those who were unable to attend and would like further information on the Pesticide Law and modules, they can ring Mr Maw or Mr Delahay on 021-550-0007.

I. R. Toon

East Midlands Section

Our Spring Golf Tournament is to take place at Mapperley Golf Club, Mapperley Plains, Notts on Wednesday, 17th May, first tee booked from 12.00 until 1.30pm.

The Singles and Pairs knockout will again be run through the Summer and the draw for these competitions will be made at the Spring Tournament.

Qualification for the Iseki Golf Tournament will be taken from the first three in the handicap categories 0-9, 10-18 and over 18 at the Spring Golf Tournament.

The Spring Golf Tournament is also the first qualifying round for the Rigby Taylor Golf Match against the Midlands Section in October, the other qualifying round being the Autumn Golf Tournament. Qualifiers are the top ten in the

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AROUND THE GREEN

aggregate nett scores. Dates for your Diary Wednesday 17th May, Spring Golf Tournament, Mapperley, Notts. 14th-16th August National Annual Golf Tournament, Lyme Regis, Dorset. Wednesday 27th September Autumn Golf Tournament, Scaptoft, Leics. Monday 13th November AGM and Golf Competition, Melton Mowbray, Leics.

At our Section AGM last November, the subject arose about the lack of interest and attendance at most of our functions. It was proposed that a questionnaire be sent out to 1988 Section members asking if they were satisfied with how the Section and Golf Competitions were being run, and asking for suggestions on what would make members attend functions, together with any comments on the Section and Association. Some 54 questionnaires were sent out with stamped addressed envelopes, but only 27 came back!!

R. W. Willars

SOUTH EAST REGION

London Section

The Winter lectures have become a very friendly night out and thanks to the following for the lectures:- D. W. Jenkins, David Smart. David Phillips, Nick Baldwin, Alan Stow, Watermation.

We look forward to the lectures again next year. This month we have two venues, first a match against the Stewards at Northwood Golf Club, tee-off at 1.00pm with ihigh tea to follow. This could be a useful warm-up for the Iseki Qualifier (bandits welcome no risk to handicaps as this is a team event). The Iseki Qualifier is part of our Spring Tournament at Hadley Wood Golf Club on 24th April. This is a 36 hole competition with coffee, ploughmans lunch, and four course meal. Tee off at 8.30am. Cost £15.00

If you wish to play at either of these events, please ring me on Northwood 28167.

M. Peters

NORTHERN ENGLAND REGION

North East Section

Spring Tournament Seahouses Golf Club, April 20th. Tee-off 10.30am - 12.30pm. Autumn Tournament City of Newcastle Golf Club, September 21st. Matches against the Secretaries and East Lothian Section will be confirmed at a later date.

I would like to take this opportunity to thank Ian Johnson of Stocksfield Golf Club for his support in the past two years as the North East Representative on the Northern Regional Board, and wish him well in his new role as Vice-Captain at Stocksfield.

J. Richardson

Northern Section

So much for the wonderful weather, rattled on format length in last month's billy-doux! A quite exciting change of scene will take place early May when the BIGGA Nerve Centre moves from Bingley to new headquarters at Aldwark Manor, a large country hotel buried deeply within the Plain of York, about 12 miles north of the said city. This progression can only augur well for the Association and its positively developing profile in the greenkeeping and turfgrass industry generally. We wish David Golding every success in his new role as Education Officer to the BIGGA, yet more evidence of progress.

The bad or sad news is that Caroline Holdsworth, the BIGGA office Queenpin is leaving. Good luck Caroline in your future, and thank you for your charming assistance in the past.

With the movement of Mr Golding, the position of Northern Regional Administrator has fallen to yours truly (!), opening up the way for Mr Robert Lupton, who is now Northern Section Secretary. Bob will make a good go of it, perhaps injecting a bit of fresh perspective into the job. I, for my part, will endeavor to do what is right and would like to seize this chance to thank all concerned for their encouragement and support during my six years as Sec to Northern Section greenkeepers.

Bob is now your Section contact, and his address is:- 23 Hinchcliffe Avenue, Baildon, Shipley, West Yorkshire. Tel: 0274-590463.

This development has brought about a re-shuffle in

the Northern Section office. Chairman Colin Geddes. Vice-Chairman Phillip Sutton. Regional Board Robert Lupton and Colin Geddes. Greenkeeper Liaison Training Committee, Northern Section Representatives Robert Lupton, Colin Geddes and Alan Gamble.

D. Hannam

After the 'winter' season of lectures, we are now looking forward to the coming year's golfing programme, but first I must bring you up to date with some changes which have taken place in the Section. First, it's congratulations to our former Secretary, David Hannam, who has been promoted to Regional Administrator. We wish him well in his new venture.

After my brief reign as Chairman, I have now taken over from where David left off as Secretary, and Colin Geddes has stepped into my shoes as Chairman which has left Phillip Sutton with the job of Vice-Chairman. As I am new to this job, I would like to hear from any members with their news, information, ideas or problems. Please remember it is your Section and what you contribute to it has bearing on what you get out of it. So, please do not hesitate to contact me regarding any matter at all. I am waiting to hear from you!


Now onto some dates for your diaries:-

The Spring Tournament will be at Wakefield Golf Club on Tuesday 11th May. The Invitation Tournament is set for Tuesday, 25th July at Ganton Golf Club. Please note, numbers are strictly limited to 40 for this event, so it is essential to book early for this to avoid disappointment. The Intersectional Match will be on Tuesday, 10th October. For those taking part, please remember to dress correctly, in fact, why not push the boat out and buy some of the BIGGA uniform available from me at a very modest cost!


Last, but certainly not least, I would like to welcome the new members to the Section who are Messrs:- M C Tattersall, E M Paley, A D Smith, R A Smith, C White, M R Wood and P Thresh. I hope they will take full advantage for their membership by taking part in our events.

R. Lupton


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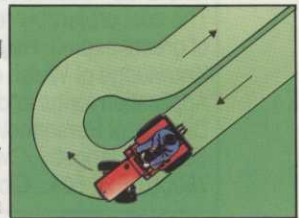


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Now, Kubota know-how has developed the exclusive Bi-Speed Turn innovation for the B1550 and B1750 models: on tight turns, the front wheels rotate almost twice as fast as the rear wheels, allowing the tightest of turns with significantly reduced turf damage. Each has a mid-mounted mower, with which you can make a single turn round a tree!



With 'turf' pattern tyres and a cylinder block of tunnel construction to ensure that no oil is shed on precious turf, the Kubota know-how of the B50 series gives you more choice of more power for all your grassland needs.

The **KUBOTA** Golf Challenge

ASK YOUR ASSOCIATION FOR DETAILS OF HOW TO COMPETE

If you want to know how to care for your turf, just complete the coupon. Because Kubota have the know-how!

KUBOTA
MORE POWER. MORE CHOICE.

Kubota (UK) Limited, Dormer Road, Thame, Oxon OX9 3UN. Tel: 084 421 4500



THE NEXT GENERATION:
INNOVATION FOR IMPROVED TURFCARE.

I want to know how the latest technology can improve my turfcare. Please tell me how.

Name: _____
Address: _____
Postcode: _____
Tel: _____

APPOINTMENTS

MAXSTOKE PARK GOLF CLUB

Coleshill Nr. Birmingham

require

FIRST ASSISTANT GREENKEEPER

Applications in writing with full C.V. to:-

J.C.Evans,

Maxstoke Park Golf Club,

Castle Lane,

Coleshill,

Birmingham. B462 RD

YNYS MON-ISLE OF ANGLESEY

BOROUGH COUNCIL LEISURE DEPARTMENT

GREENKEEPER

Salary - scale 4: £8,256 - £9,228

To organise, control and implement a maintenance programme for the Golf Course (Llangefni) and other outdoor facilities.

The post preferably requires a person with practical experience of greenkeeping. Relevant qualifications would be an advantage. Knowledge of Welsh is desirable.

Application forms and job descriptions are available from the Director of Personnel/Management Services, Borough Council Offices, Llangefni, Gwynedd. Telephone Llangefni (0248) 750057 Ext. 504. Closing date: Friday 28 April 1989.

HUNSTANTON

GOLF CLUB

require an

ASSISTANT

HEAD GREENKEEPER

Applicants must be experienced in all aspects of greenkeeping, knowledgeable of course machinery and fully capable of deputising for the Head Greenkeeper.

Salary negotiable, no accommodation.

Applications with full C.V. to:-

The Secretary,

Hunstanton Golf Club,

Golf Course Road,

Hunstanton,

PE36 6JQ

(Previous applicants need not apply)

BASINGSTOKE GOLF CLUB

require an

ASSISTANT GREENKEEPER

who should have a minimum of 2 years experience in all aspects of course maintenance. No accommodation available. Apply in writing with full C.V. and reference by 10th May 1989 to:-

P. A. Gill,

The Manager,

Basingstoke Golf Club,

Kempshott Park,

Basingstoke,

Hants.

RG23 7LL

LEEDS GOLF CLUB

Invite applications for the post of

ASSISTANT GREENKEEPER

Must be experienced in all aspects of parkland course maintenance

Ability to offer mechanical maintenance an advantage

No accommodation available

Salary negotiable

Please apply with full details of qualifications, experience, present salary and two referees to:-

The Secretary,

Leeds Golf Club,

Elmete Lane,

Leeds. LS8 2LJ

Tel: 0532 659203

APPOINTMENTS

WYKE GREEN GOLF CLUB

require

2 ASSISTANT GREENKEEPERS

Applicants must have at least two years experience in all aspects of Greenkeeping and knowledge of course machinery.

Salary negotiable. No accommodation available.

Application with full C.V. to:-

The Secretary,
Wyke Green Golf Club,
Syon Lane, Osterley,
Isleworth, Middlesex. TW7 5PT

BERKHAMSTED GOLF CLUB

ASSISTANT HEAD GREENKEEPER

Required for this high class course as soon as possible. Applicants should be knowledgeable in the use and maintenance of a wide range of machinery, course equipment, and modern greenkeeping methods. Competitive salary offered which is negotiable in accordance with qualifications and proven experience.

No accommodation available.

Apply in writing please to:-

The Secretary,
Berkhamstead Golf Club,
The Common,
Berkhamsted, Herts.
HP4 2QB
Tel: 0442 865832

STAPLEFORD ABBOTTS GOLF CLUB, ESSEX

require a

HEAD GREENKEEPER

to take charge of the present 9 hole course which is being redeveloped to 27 holes and due to be played in 1990.

Personal details to:-

Howard Swan,
Telfords Farm, Willingdale, Ongar,
Essex. 0277 86229

HAVERHILL GOLF CLUB

require a

GREENKEEPER

Applications are invited from suitably qualified persons to manage 9 hole course, equipped with modern machinery. Salary £8,000 - £11,000 depending on qualifications and experience.

No accommodation available.

Applications in writing stating age, qualifications and experience to:-

The Secretary,
Haverhill Golf Club,
Haverhill,
Suffolk.

Previous applicants need not apply

LEEDS CASTLE

requires a

HEAD GREENKEEPER

for our prestigious privately owned 9 hole course, set in the grounds of the most beautiful castle in the world. The course is open to the general public.

Applicants must be fully qualified and experienced in all aspects of modern greenkeeping techniques. Knowledge of irrigation systems, equipment use and maintenance of same, together with excellent supervisory skills are necessary.

The salary is negotiable.

Applicants should apply in writing with full C.V. to:-

Miss K L Amos,
Personnel Officer,
Leeds Castle Enterprises Ltd.,
Leeds Castle, Maidstone,
Kent. ME17 1PL

(Closing date: 19 May 1989)

APPOINTMENTS

HIGHGATE GOLF CLUB

ASSISTANT HEAD GREENKEEPER

Applicants are invited from qualified persons with experience in modern machinery and greenkeeping practices. Excellent opportunity for a greenkeeper to further his career. An attractive remuneration package will include benefits and a rent free 2 bedroom bungalow.

Apply in writing with full C.V. to:-

**The Manager,
Highgate Golf Club,
Denewood Road,
London. N6 4AH**

HEAD GREENKEEPER

required for 9-hole course on one of the Balearic Islands in **SPAIN**

The successful applicant will be experienced in course management and machinery maintenance and have the ability to lead and motivate Spanish staff. Additionally, a mature outlook and the capability to work in an insular environment will both be advantageous.

This is an outstanding career opportunity to work in a challenging environment on a British-owned and managed sports complex where your skills and experience will play an important part in the further development of the existing course and the construction of 9 new holes.

There is an excellent package available for the right person, including a high salary, accommodation and transport. This is a key position within the complex and the successful applicant will commence as soon as possible.

Please apply in writing to:-

**Reovin Limited, Park Road, Timperley,
Altrincham, Cheshire, WA14 5QJ.**

For the attention of Hugh Brown.



Are you looking for a **CAREER MOVE ?**

If so, please get in touch with **FRINTON GOLF CLUB.**

We are an established and traditional golf club approaching our Centenary, and wish to further strengthen our management team through the appointment of a Head Greenkeeper of proven success and ability.

You will lead and motivate, by example and experience, a competent and well equipped team of four to look after all aspects of our 2 courses - 18 hole, 6295 yards, and 9 hole, 1375 yards. Our course maintenance programme is guided by the S.T.R.I. and you will be expected to continue our greens improvement programmes for the elimination of thatch and annual meadow grass.

You will be encouraged to attend our Greens Committee meetings and you will have the opportunity to help formulate our Course Management Policy Document which is currently in preparation and will, when completed, define the Club's future strategies. In addition, major improvements to our greens facilities are being planned for the near future.

We are offering an attractive package, based on BIGGA scales and recommended conditions of employment, and including accommodation if required, to commence later this year. Apply in writing by June 5th with full c.v., to:

The Manager, Frinton Golf Club, 1 The Esplanade, Frinton-on-Sea, Essex. CO13 9EP.

farmura

farmura

farmura

farmura turf 1

The original FARMURA. For use from initial pre-seeding through to maintenance. FARMURA TURF improves germination, encourages quicker establishment of grass seed, root development, tillering and a dense sward without undesirable flushes of growth. FARMURA TURF encourages fine grasses and can be used in ecologically sensitive areas. As a soil conditioner FARMURA TURF will increase soil bacteria count enabling locked up nutrients to become available to the plant. Other benefits include improved drought and disease resistance.

Uses: Reseeding, golf courses, sports pitches, racecourses, bowling greens, cricket pitches, land reclamation and ecologically sensitive areas.

farmura green 2

FARMURA GREEN is specially formulated FARMURA TURF with the addition of iron and wetting agent. Designed particularly for areas needing a high standard of presentation and a deep green colour without excessive growth. Applications of FARMURA GREEN will encourage the development of finer grasses, improve drought and disease resistance and increase soil bacteria count.

Uses: Golf greens, bowling greens, tennis courts, lawns, golf fairways and racecourses.

farmura N 3

A tailor made product manufactured to your specific requirements. FARMURA-N can be formulated with other major nutrients to produce a specially balanced semi-organic fertiliser to suit your planned nutritional programme. Available to your requirement by discussion and quotation FARMURA-N offers major savings in time and equipment by only making one application.

Uses: Land reclamation, low input management programmes.

Natural solutions to get you growing

FERROSOL 4

A major development in liquid iron application. FERROSOL, a unique iron-nitrogen bonded complex provides a quick green-up of the turf without over stimulation of growth and without wheelmarks or blackening. FERROSOL in liquid form can be mixed easily in water and is immediately available for spray or drench application. Ideal for use at any time when turf is in need of green-up boost throughout the year.

Uses: Turf, fine turf, golf greens, bowling greens, tennis courts, lawns, shrubs, etc.

FARMGRAN 5

An easily spreadable natural seaweed soil conditioner and improver. Applications of FARMGRAN will improve soil structure stimulating micro organisms and aiding moisture retention. FARMGRAN supplies all known trace elements in an organic chelated form for rapid assimilation by plants and fills the "fertility gap" so often present under today's high input management practices. Can also be incorporated into top dressing.

Uses: Golf courses, sports fields, landscaping, seeding, planting and land reclamation.

farmura pre-plant 6

When trees or shrubs are lifted prior to transplanting a large proportion of the finer root structure is lost and consequently the plant is subject to much stress and re-establishment becomes more difficult. FARMURA PRE-PLANT is a creamy liquid root dip which reduces dehydration of the roots and provides a protecting semi-permeable 'skin' protecting the roots from damage yet allowing them to breathe and take in moisture.

Uses: All plant, shrub and tree transplanting situations.

farmura

farmura

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For further information on any Farmura products, complete the coupon or write to FARMURA Ltd, Stone Hill, Egerton, Nr. Ashford, Kent TN27 9DU. Telephone: 023376 241

All Farmura products are readily available from our nationwide network of regional distributors

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 For further information complete this coupon and return to: Farmura Ltd,
 Stone Hill, Egerton, Ashford, Kent TN27 9DU.

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 Address _____
 Telephone No. _____
 Please send further literature on 1 2 3 4 5 6
 Please make an appointment for a representative to visit.
 Please call me
 Tick as appropriate

APPOINTMENTS

SUDBURY GOLF CLUB

require an

ASSISTANT GREENKEEPER

Applicants must have at least one year's experience in all aspects of greenkeeping and knowledge of course machinery.

Applications with full C.V. to:-

**The Secretary, Sudbury Golf Club Ltd.,
Bridgewater Road,
Wembley Middx. HA0 1AL**

THE GOLF COURSE OF VERBIER

requires

A GREENKEEPER

for the summer season - 1.05 to 1.11

Conditions:- qualifications or equivalent experience send application with desired salary to:-

**GOLF CLUB DE VERBIER,
VALAIS, 1'936 CH SWITZERLAND**

THE EAST SUSSEX NATIONAL GOLF CLUB

is seeking a highly motivated individual to act as spray technician as part of our Golf Course maintenance team. The candidate will be responsible for the implementation of a preventive spray programme on both courses. The candidate will also be responsible for training an assistant to help carry out his duties. Any interested individuals, please send their resume to:-

**K. Siems,
Golf Course Superintendent,
Horsted Properties Ltd.,
96-98 High Street,
Uckfield, East Sussex. TN22 1PU**

HOCKLEY GOLF CLUB

invite applications for the post of

FIRST ASSISTANT GREENKEEPER

Applicants must be experienced in all aspects of greenkeeping. Mature qualified persons required.

Hockley is a downland course with an excellent reputation for its greens, and regularly hosts County events for Hampshire.

Salary and terms of employment by negotiation. No accommodation.

Application form available from:

**The Secretary/Manager,
Hockley Golf Club,
Twyford, WINCHESTER,
SO21 1PL**

HANKLEY COMMON GOLF CLUB

invite applications for the position of

ASSISTANT COURSE MANAGER

applicants must have suitable qualifications and experience in all aspects of course management.

A thorough knowledge of machinery and maintenance is essential together with the ability to motivate and direct staff.

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

Applications in writing to include full C.V. to:-

**The Secretary,
Hankley Common Golf Club,
Tilford Road, Tilford, Farnham, Surrey. GU10 2DD**

BALLATER GOLF CLUB

requires

HEAD GREENKEEPER

Applicants should be qualified and experienced in all aspects of modern greenkeeping and machinery maintenance. Applicants to commence as soon as possible. Salary negotiable in accordance with qualifications and proven experience.

No accommodation available.

Apply to:-

**The Secretary,
Ballater Golf Club, Victoria Road,
Ballater, Aberdeenshire, AB3 5QX**

APPOINTMENTS

GREENKEEPERS

Wanted for new German golf course - membership club owned by Japanese company

HEAD GREENKEEPER

Must be fully experienced and have an ability to control and motivate staff

ASSISTANT GREENKEEPERS

A minimum of three years practical experience necessary

Salaries commensurate with experience

Apply in writing to K.I. MacNiven,
Course Manager,
Longmoor Road, Liphook,
Hampshire.
or telephone Liphook 0428 72455



OLD THORNS
GOLF COURSE • HOTEL • RESTAURANTS

FRASERBURGH GOLF CLUB

require a

FIRST ASSISTANT GREENKEEPER

Applicants should be suitably qualified in greenkeeping with a knowledge of modern equipment. Salary negotiable in accordance with qualifications and proven experience. No accommodation. Apply in writing stating age and with C.V. to:-

**The Secretary,
Fraserburgh Golf Club, Philorth,
Fraserburgh, Aberdeenshire.**

HEAD GREENKEEPER

required at

LIMBURG GOLF EN COUNTRY CLUB

Applications in writing with full C.. to:-

**Secretary L.G.C.C.,
Golfstraat 1,
3530 HOUTHALEN (Limburg) Belgium.**

TUNBRIDGE WELLS GOLF CLUB

require a

HEAD GREENKEEPER

Applicants should be fully conversant with all aspects of greenkeeping and have a knowledge of modern equipment. Very attractive salary.

Apply in writing giving full details of experience to:-

**The Secretary,
Tunbridge Wells Golf Club,
Langton Road,
Tunbridge Wells, Kent. TN4 8XH**

HANKLEY COMMON GOLF CLUB

require

GREENKEEPER

Qualified or experienced

ALSO

APPRENTICE GREENKEEPER

Full training given. 39 hour week plus overtime.

Good rate of pay

Apply to:-

**The Course Manager
Tel: 0251252493 (Day)
0251253914 (Evening)**

BELMONT GOLF COURSE

requires a

HEAD GREENKEEPER

Applications are invited from suitably experienced persons with the ability to motivate and lead staff.

Sound experience in modern course management, use and maintenance of modern greenkeeping equipment and irrigation is essential.

Salary negotiable. No accommodation

Apply in confidence to:-

**The Manager,
Belmont House Properties,
Belmont,
Hereford.
HR2 9SA**

