

SEPTEMBER 1984

Greenkeeper



The Official Magazine of S.I.G.G.A. & E.I.G.G.A.



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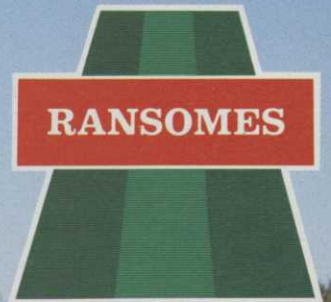
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Come on down to Windsor!

This month, the industry makes its annual pilgrimage to Windsor as the 39th staging of the international exhibition organised by the Institute of Groundsmanship gets underway. Now established as the regular venue, the Royal Windsor Racecourse is expecting some 30,000 visitors to flock through its gates between September 18-20. We begin our potted description of selected stands on page 5.

The organisers say it will be the biggest show ever with over 300 exhibitors from around the world occupying 45,000 sq m of demonstration and exhibition space. In fact, such is the demand for stands that a waiting list has been introduced by the IOG. It is hoped that the installation of closed pavilions for next year's show will ease the squeeze.

A road across the centre of the Silver Ring, which will link the closed pavilions, should go a long way to improving 'traffic congestion'. Work has also started on a permanent IOG pavilion at Windsor.

You'll be sure of a big welcome this year at the *Greenkeeper* de luxe exhibition and hospitality unit. It has been designed to provide comfortable surroundings, both inside and out. A lounge area provides the right atmosphere to entertain or conduct business in style and *Greenkeeper* staff and contributors will be on hand to greet the magazine's many friends and to answer any questions you might have.

Ideally placed next door, you'll find the English and International Golf Greenkeepers' Association. So, head straight for stands I 20 and 21, only some 100 metres from the entrance, before making your way into the rest of the exhibition.

To celebrate its golden jubilee, the IOG has arranged a display of vintage mowers, showing their evolution since the 1830s. The display, presented by Andrew Hall, author of the *History Of Lawn Mowers*, can be found at the rear of the racecourse administrative offices near to the main grandstand. The display has been made possible through the sponsorship of Steetley Vitax.

Finally, the IOG is planning two overseas tours in 1985 for members. The first will be to the GCSAA convention in Washington DC next February. This will be followed by a trip to Holland in May.

At the time of going to Press, *Greenkeeper* heard of the sudden death of Alec Swan. Alec was the founder and head of Golf Landscapes Ltd of Brentwood, Essex. We extend the sympathy of his many friends in the trade to his family.

JACOBSEN KINGS



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MARSHALL
CONCESSIONAIRES



INSTITUTE OF GROUNDSMANSHIP INTERNATIONAL E·X·H·I·B·I·T·I·O·N

ALTROSPORT SURFACES

SuperTurf synthetic grass, which was selected for the Olympic Games hockey tournament, is now available to golfers.

Marketed by AltroSport Surfaces, indoor and outdoor sports surfacing specialists of Caxton Hill, Hertford, Super Tee golf mats have the same densely tufted polypropylene pile as the Olympic pitches on a resilient polyethylene underpad.

Tee inserts in the material, which can be readily replaced if damaged, let players choose the preferred peg height. Light and portable, Super Tee golf mats do not retain water from subsoil or rain and dry out quickly. They can be laid on any level surface of concrete, asphalt, wood or grass, but are best laid on paving stones and bonded with a waterproof adhesive or in specially constructed wooden frames. Vigorous dry brushing with a stiff broom is the only maintenance necessary.

They are already in use at a number of public golf courses and clubs, including Addington Court, Ifield, Combe Wood, Tandridge Park, Malden, Ellesborough, Eastbourne Downs, Farnham, Tilgate Forest, Thames Ditton, Mannings Heath and Royal Dublin.

Geoff Cotton, managing director of Addington Court Golf Ltd, who owns and manages four public golf courses, said: "It is absolutely essential to have mats on most courses for winter tees and particularly for public courses. The AltroSport Super Tee is ideal and I am sure they will be successful. No one should have any doubt about installing them."

Super Tees are distributed by T. Parker and Son of Worcester Park and Supaturf Products of Perterborough.



The Super Tee golf mat with polyethylene underpad.

BOB ANDREWS

The company's exhibit will consist of a complete product range, including Bluebird Power Turf Scarifiers, Lawn Doctor Power Turf Scarifiers, Turf-Punch Turf Aerators, Lawn Genie Tractor Drawn 'Cut and Collect' Mowers, Billy Goat sweepers and blowers, Cyclone Centrifugal Fertiliser Spreaders, Ascot Lightweight Bunker Rakes and portable generators.



Bob Andrews' Lawn Genie cutting and collecting fairway rough.

BOURGEINS

Oxford-based main agents for Case Trenchers, Bourgeins will be showing the TE734 trencher fitted with the Varidraiser. The TE734 is fitted with a 34hp Lister diesel engine and is mounted on 10in cleat tracks. The Varidraiser can dig widths from 2.5in to 8in and to a maximum depth of 26in. All the spoil is then swept on to the Hi Lift conveyor system, which discharges it at a height of 6ft - sufficient for most trailers. The TE734 is more toughly built than its predecessor - the TF700 - and is manufactured in the U.K. The Case range runs from 7hp to 72hp and is available on tracks or rubber tyres. Attachments include backhoes, dozers, borers and a choice of chain lines including standard and heavy duty.

BRITISH SEED HOUSES

British Seed Houses will, once again, be exhibiting its range of leading turf grasses, which includes such well-known cultivars as Frida and Checker Chewings Fescue, Fylking and Glade Smooth Stalk Meadow Grass, Tournament Hard Fescue, Penncross Creeping Bent

and Tendenz Browntop. The company has found a great demand this season for its Dutch variety of Chewings Fescue called Frida, which is ideal for use on golf courses. Frida has been rated very highly by the STRI where it has been given six A ratings for its overall performance, which includes quick establishment, short compact growth and good resistance to fungal disease with a strong summer and winter colour. There will be an interesting display of several grass seed mixtures including the BSH Golf Greens and Tees Mixtures. The company is fortunate in having its own amenity grass trial grounds in Lincolnshire where over 200 cultivars are on trial.

CHIPMAN

The stand will feature aspects of all three divisions of the company—in particular, the expansion into artificial sports surfaces through the Sport-systems division. Timber Products will have on show the new range of Toddler playground equipment and the long-established Chemicals division will be displaying herbicides, fertilisers, turf seeds and application equipment.

COMPLETE WEED CONTROL

Complete Weed Control will be showing two new pieces of equipment. Developed with a particular type of contract service in mind, both are designed for those with small areas to maintain. The company has built an electric sprayer, powered by a 24 volt battery system, which is potentially capable of covering 15 acres per day. Ideally suited to treat small grass areas and footpaths with its detachable 2m boom, this sprayer is totally silent in operation. Also recently developed is a highly specialised van able to carry a wide range of equipment and different chemicals. The design of the main water tank and mixing chambers enables the operator to choose and apply the appropriate treatment without the risk of cross-contamination.



Service by Complete Weed Control.

DAVISON INTERNATIONAL ASSOCIATES

Geoffrey Davison, who has been responsible for so many of the techniques and specialised equipment used for sportsturf drainage, has now introduced a most significant new concept and range of equipment. Together, these will dramatically decrease the cost of work on new or existing turfed areas while producing accurately defined high standards.

This new approach will be included in two papers he has been invited to present at the International Turfgrass Research Conference at Avignon, France next year and his new organisation, Davison International Associates will have a full presentation on show at Windsor.

Davison's specifications for the construction, drainage and maintenance of sportsturf combine true expertise with unique mathematics so that precisely stated standards are proven and guaranteed.

GREEN'S/HINOMOTO

Two new grass cutting models fitted to the Hinomoto tractor will feature on this Scottish company's stand. They are the Hinomower drive-in, swing-fit front and mid-mounted hydraulic cylinder mower and the Hinomower front or mid mounted front pto drive rotary mower, using a novel method of power transmission that does away with the right angle V-belt.

FISONS

Fisons Horticulture will launch a new product for the professional groundsman. The Fisons stand will also feature a demonstration of the new slow release nitrogenous fine turf fertiliser Greenkeeper Super-N. Launched at last year's exhibition, Greenkeeper Super-N has proved especially popular because of the reduced number of applications required to keep nitrogen levels at the optimum. One application of Greenkeeper Super-N, which contains both rapid and slow release nitrogen sources, will provide a steady nutrient flow for three months, producing a healthy, actively growing, resilient sward. Information will also be available on Fisons' full range of turf fertilisers, top dressings and chemicals, concentrating in particular on the autumn turf care products — Greenkeeper 1 (fine turf fertiliser), PS3 (outfield turf fertiliser), Turfclear (combined turf fungicide and worm-killer) and the top dressings Humull, Humull and Sand and Sports Turf Compost.



Greenkeeper Super-N from Fisons will be on show at Windsor.

FARMURA

Farmura is exhibiting its range of environmentally safe products. Highlighted will be Farmura Liquid Organic Fertiliser, now a successful part of turf management programmes. Farmura encourages root development, tillering and resistance to stress. Used as part of reseeding programmes, Farmura helps the establishment of new turf. Case histories will be on display. New developments from the company include Farmura Green for fine turf and new colour-coded packaging for easy identification. A free prize draw will be held on Thursday.



Farmura says: 'Not only Carnation comes from cows!'

FARRANT CHEMICALS

Half a gallon of whiskey and other prizes can be won on the Farrant Chemicals stand. Soilife will, again, be one of the main features on display. Recent independent tests show that application of Soilife not only improves drainage, particularly on heavy clay soil, but releases valuable trace elements. Experienced greenkeepers and groundsman now incorporate Soilife in their regular maintenance programme.

Also on display will be Kelpak, a liquid seaweed concentrate. This product is the only seaweed on the market made without the use of chemicals, additives, dehydration or freezing. Kelpak can be sprayed and mixed with most herbicides and pesticides. A litre is sufficient to treat an acre. It can also be used as a foliar spray or applied directly to the soil when planting out plants and shrubs.

Vita-Soil supplies hormones and micro-organisms to the soil. It can be used when growing seeds, when transplanting without the need of additional fertilisers or as an addition to compost mixes and top dressings.

More stand descriptions on pages 8, 10, 12, 14, 16 and 18

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WINDSOR

September 18, 19, 20.

STAND I.5-6

and at the

APF SHOW

Crown Estate, Woodlands

WINDSOR

September 12, 13, 14.

STAND 73.

arboricultural Safety Training Courses on site in Guildford or with owners on their own land. Our latest Catalogue of equipment for sale includes over a thousand items. Remember equipment is only sold after we have proved its worth for ourselves in use! The picture shows only some equipment. To illustrate the complete range would occupy many pages! View it all in our Showrooms or



Honey Brothers Limited, New Pond Road, Peasmarsh, Guildford, Surrey GU3 1JR. Tel: Guildford (STD 0483) 61362

FORD

Ford Tractor Operations will be present, as usual, in strength at Windsor. In addition to exhibits from the best selling Highway and Compact tractor ranges, Ford will be unveiling a new 26hp Compact tractor. Filling the gap between the 16hp 1210 and 32hp 1910 models, the new tractor will undoubtedly increase the appeal of this already popular range.



BURTS & HARVEY

Burts & Harvey, previously Diamond Shamrock, will be featuring two plant growth retarders. Atrinal, based upon Dikegulac-Sodium, is used primarily on hedges. An interesting display of species will be on show with both treated and untreated plants on view. Various rates of Atrinal will have been applied to several different types with untreated specimens shown alongside as a comparison. The

second, Regulox K, based upon potassium salt of Maleic Hydrazide, will be featured following the successful launch of this formulation last year.

HONEY BROTHERS

Honey Brothers will be exhibiting its full range of arboricultural safety equipment - safety harness, safety head sets, ropes and karabiners, climbing aids, boots and gloves as well as clothing. Also on display will be pruning equipment, road signs, winches, chainsaws and brushcutters. Peter Bridgeman will be available to advise on the company's arboricultural training courses.

CHARLES LAWRENCE

Charles Lawrence UK will be displaying its extensive range of synthetic surfacing products. The company specialises in the construction of sports facilities of all kinds, including athletics tracks, synthetic turf pitches, tennis courts and kickabout areas. In addition, Charles Lawrence manufactures and installs Playtop, reputedly the country's leading safety surfacing for children's playgrounds.

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POP-UP

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WATERMATION, the country's leading sports turf irrigation engineers, are sorry to announce that owing to lack of space available, they are unable to have a stand as usual at the I.O.G. Exhibition at Windsor this year.

For all customers in the North, however, we hope to see you all on Stand No. 4, Avenue D, at the North West I.O.G. Exhibition at Ribby Hall Park, Wrea Green, Nr. Blackpool on 2nd and 3rd October 1984. We are always happy to come out and visit you on site and are available at our usual addresses below.

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HUXLEYS

Huxleys will be showing several new products at Windsor, including the new three and five unit Hydraulic Reelmowers for Compact Tractors and Cushman Trucksters and the new British-built Little David Stump Remover.

The TR66 Hydraulic Triple Reelmower is already used by the Royal Parks. Its low weight, 66in cutting width and fast attachment make the unit ideally suited for use with 16hp to 24hp Compact Tractors and Cushman Trucksters.

The TR108 five unit Hydraulic Reelmower has folding outside cutting units and an overall cutting width of 108in. Like the TR66, this unit can be fitted to a suitable Compact Tractor or Cushman Truckster in seconds.

The popular Little David Stump Remover is now built by Huxleys in Britain and will be seen in its new red and black livery. This portable, one-man machine has a powerful 16hp engine and can tackle any size of tree stump.

Other products on show will be the Cushman three and four wheel Turf Trucksters with a full range of British-built attachments; Cushman Front Line Mowers; Royer Shredders and Powerscreen; Huxley Truck Dresser for surface dressing of footpaths and sports turf and Huxley Red Rider Work Carts.



Huxleys' TR66 Hydraulic Reelmower.

KUBOTA

The company recently announced a new range of compact tractors - the 200 series. The launch of the Kubota B6200 (15hp) and the B7200 (17hp), together with the B8200 and B8200 HST (19hp), which was unveiled last year, complements the existing 100 series, giving Kubota a range of nine models between 12hp and 19hp.

The 200 series, with new features and distinctive styling, provides excellent operator comfort and ease-of-working.



One of a new range - Kubota's B6200.

Nice greens you've got for a new course. Must have taken ages to establish.

Not at all. Six months actually.

Six months!! We've had our fourteenth out for nearly 2 years because of re-seeding!

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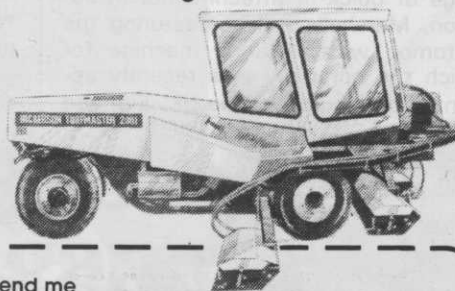
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Position

Company

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Tel: G9

LELY ISEKI

Lely introduces a wide range of tractors and attachments to meet full council specification. From 14.5 to 65hp and either two or four wheel drive, a company spokesman said: "Although our sales and market share has increased considerably over the past year, we are confident that with the introduction of numerous new models the potential is even greater. The tough compact TX2140/2160 4WD, together with Backhoe and Loader, is a combination that really works.

"The drive-in subframe hitching lets the operator get on with the job quickly and supports the D224 Backhoe rigidly without punishment to the tractor. The Loader is simple to hitch. Double-acting cylinders are fitted for both lift and bucket functions and special purpose buckets and attachments are available."

The TX2160 with three-gang is a fully mounted hydrostatic mower for a high-quality finish. It offers the advantages of a purpose built self-propelled machine with the added bonus of out-of-season availability of the tractor unit for other work. The layout of the cutting units ensures that they follow ground contours closely and provide adequate overlap for even the tightest turn.

The larger tractors to be seen include the TE4370 complete with gangs and an engine capacity of 1817cc.



Making light work of it - Lely Iseki's 2160.

MAXWELL HART

Maxwell Hart, specialist in the provision of sports and amenity equipment and supplies, has earned an enviable reputation for quality products, competitive prices and excellent service. Featured on its stand will be an unsurpassed range of grass seed and fertilisers, chemicals, line markers, sprinklers, nets, posts and flags as well as the market-leading line-up of synthetic sports and leisure surfaces. There will also be many exciting new products on show for the first time, including a Hart brand liquid fertiliser, a new children's safety surface and a comprehensive line-up of water and irrigation equipment.

MAY & BAKER

Celebrating its 150th anniversary this year, May & Baker will once again be demonstrating the company's prime position as the leading manufacturer and supplier of fine turf products. The new products—Mowchem (grass growth regulator), Rovral Green (fungicide) and Castaway (selective worm-killer)—will be much in evidence, supported by Clearaway (total weedkiller), Clout 40 G (grass weedkiller) and Ringmaster fungicide for fairy ring control. Plus, of course, a special anniversary competition game. All in all, a stand greenkeepers and groundsman should not miss!

MARSHALL CONCESSIONAIRES

Four new machines will be introduced by Marshall Concessionaires. Two are from Jacobsen, an addition to the company's Turfcat II range, designated models 224; one from Ryan, the Rideair turf aerator and one from JL, the small Multi-trac 220H with its year round range of quick-fit attachments. In addition, Marshalls will be featuring the Motomop water-clearing machine for which the company was recently appointed distributor for the UK, Eire and

the Channel Islands.

Turfcat II, model 224, is a four wheel machine available with either a three-cylinder Kubota 22hp water-cooled diesel engine or the new series 23hp Renault four-cylinder petrol engine. It has hydraulically driven front-mounted implements, power steering, foot-operated hydraulic implement lift and hydrostatic transmission with forward and reverse operated by a single pedal.

The new Turf King II, available in 84 or 76in cutting width, can mow up to 33

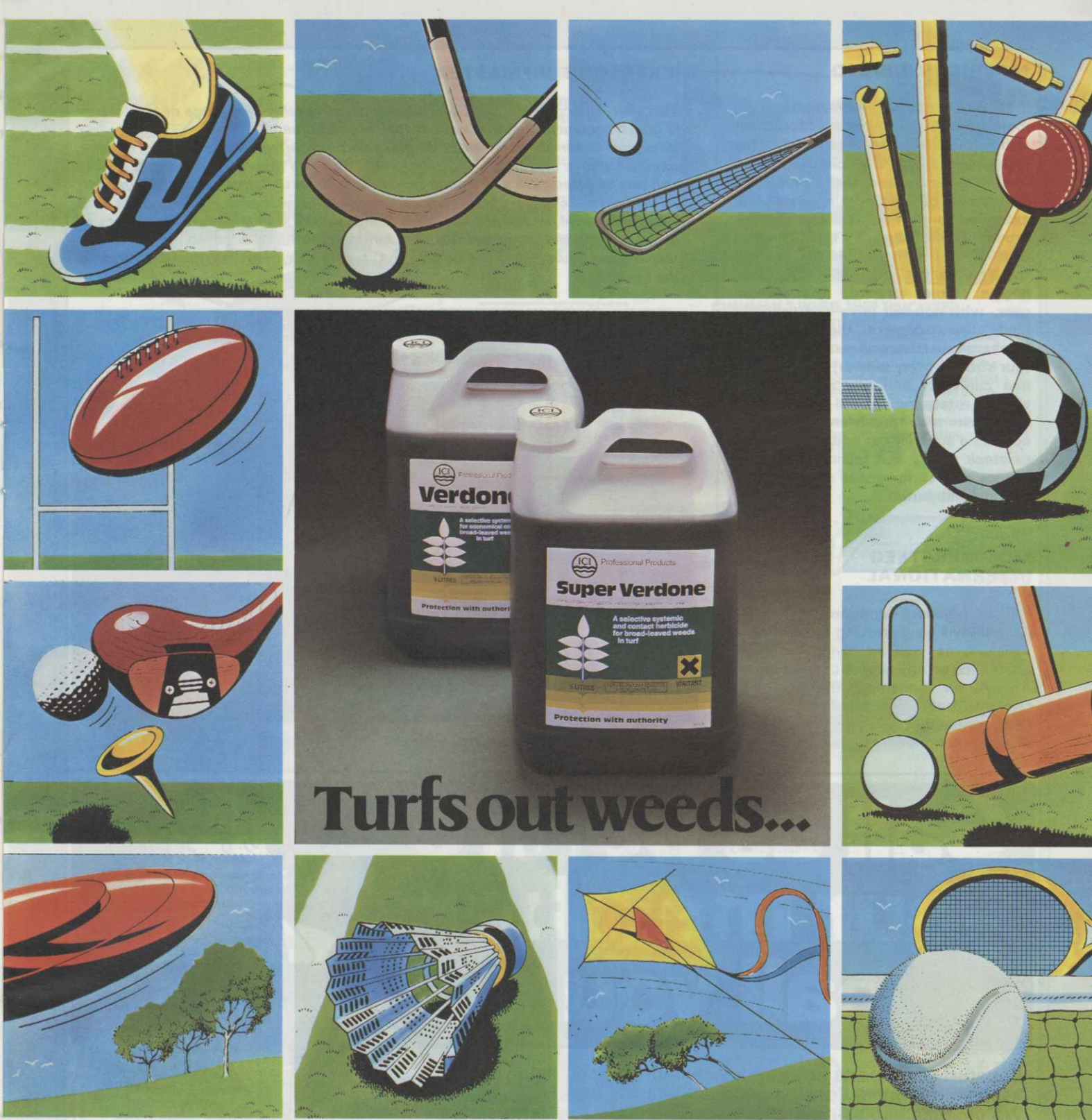
acres in an average working day. It has an electric-start 14hp Kohler petrol engine, adjustable steering, hydrostatic transmission with a single foot treadle control for forward and reverse and wing reels that pivot 25 degrees up or down to follow contours. Reels can be backlapped in place.

From Ryan comes the new Rideair—a professional ride-on turf aerator. It has been designed to do for turf what the Greensaire does for greens. Powered by a 8hp engine, the Rideair is only 36in wide giving good manoeuvrability. Its 0.75in tapered steel hollow tines, spaced 3.5in apart, are hydraulically raised and lowered. They penetrate either 2.5in or 3in into the turf over a 21in swath. At 4mph, the Rideair aerates up to 12,250sq ft an hour.

The JL Multi-trac 220H has been developed for those who need a machine with small dimensions (44in working width), but a big working capacity with year-round application. A full range of front-mounted equipment is available, all of which can be connected and disconnected easily. The equipment includes a mounted three unit cylinder mower, rotary mower, sweeper, dozerblade, snowblower, vacuum cleaner and flail mower. The JL Multi-trac 220H is powered by a 22hp Kubota water-cooled diesel engine and has hydrostatic transmission.



The new Jacobsen Turf King 11.



Turfs out weeds...

...whatever your game.

Groundsman. Parks Manager. Gardener. Whatever your job, if it involves dealing with grass, it involves dealing with weeds.

And when it comes to dealing with weeds who better to have on your side than ICI. Especially now, with new 'Super Verdone' and 'Verdone' from ICI Professional Products.

The dynamic 'Verdone' duo copes with all kinds of turf weeds. From simple daisies and dandelions to more exotic pro-cumbent pearlwort and speedwell.

'Verdone' is an economical selective hormone type weedkiller containing mecoprop and 2, 4-D, controlling broad-leaved weeds in established turf.

Its partner with a broader spectrum of turf weed control, 'Super Verdone' does all that ordinary 'Verdone' does, but containing dicamba, and ioxynil it becomes a contact weedkiller, and deals with those difficult weeds, such as knotgrass, yellow suckling clover and parsley piert.

And they're just two of a whole range of products from ICI made specifically

with the needs of the professional in mind.

For the name of your local distributor contact ICI Professional Products, Woolmead House East, Woolmead Walk, Farnham, Surrey GU9 7UB. Telephone: (0252) 724525.

You'll find we know our game as well as you know yours.



Professional Products
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MORRISON (UK) LTD

More bold designs, more features and more value in a mower are Morrison's claims for 1985. The range includes the highly successful Olympic 400, 500 and 600 series and the professional Golfmaster 500 cylinder mowers. The extended range now includes the improved Triplex Mark 111 (35 acres in eight hours) with electric lift control; the New Rapier 710 - 28in cut, 11hp engine, three forward, one reverse gear, with non-slip drive and separate blade disengagement; the new 3'N'1 discharge, catcher and mulcher (two or four stroke) rotary mower; plus the mini hoe cultivator and Electric 35—14in electric rotary mower. All are designed and built with precision gearing to achieve a superior cut and are available ex-stock with a full technical back-up service and complement of spares for national distribution.

MOMMERSTEEG INTERNATIONAL

Plant breeders Mommersteeg International will be displaying old and new varieties, as well as giving technical assistance on any aspect of turf culture. Always an innovator, the company hopes to have on view the results of new research that could be of considerable benefit to the industry.

NICKERSON TURFMASTER

This year, the company will be exhibiting its comprehensive range of high-work-rate grass machinery together with its turfcare equipment.

Wherever there are large areas of grass to be maintained and cut, Turfmaster equipment enjoys universal acceptance. Models range from the Turfmaster 2001, which can be fitted with a five gang hydraulic cylinder unit or a six ft rotary deck to the Turfmaster 360, the outstanding 70in triple mower ideal for golf courses, and the Turfmaster 84, which has, for many years, set the standards for 7ft mowers.

In addition, Nickerson Turfmaster's range of turfcare accessories, including sweepers and powerakes, will be on view, together with the rugged and versatile 30hp tractor.



The ever—popular Nickerson Turfmaster 84.

Call us before your members call you

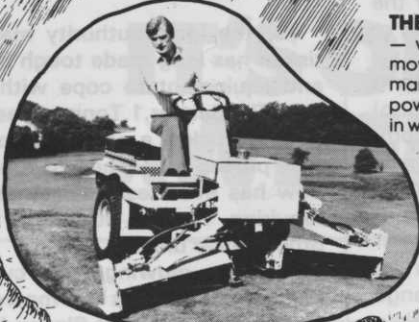
Supaturf are experts in turf management and can help you keep your grounds looking good and playing well. We produce and sell a whole range of products — fertilisers, grass seed, weed-killers and other turf maintenance aids — that are suited to fine turf and hard wearing grass alike. We supply some of the country's best known sporting venues — grounds that need to maintain the highest standards of excellence. That's because we've proved our products are good and our service and back up is good too. Supaturf has a professional advisory service that you can call on any time, free of charge. Call us and we'll help you and your members get better results.



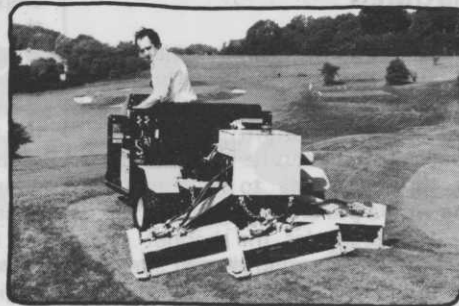
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THE CUSHMAN FRONT LINE
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CUSHMAN 3-WHEEL TURF TRUCKSTER

with hydraulic triple reel mower. Used by top Championship courses and hundreds of Golf Clubs, Sports Centres and Local Authorities throughout the United Kingdom and Ireland. The ultimate for all-year-round turf maintenance and transport tasks. Full range of Cushman and British-made Huxley attachments includes new Hydraulic Reelmower (illustrated), topdresser, sprayer, aerators, rakes, hollow-finners, dragmats, brushes, transporters, vertirake and moleblade.

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MAINTENANCE



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with quick-attach dump box. Live hydraulics allow loads to be tipped from the driver's seat. 1500lb payload makes light load of hauling bagged or loose materials. Long dump box and low-loading transport carrier also available.



ROYER SOIL SHREDDERS AND POWERSCREENS

A full range of high performance machines for processing topsoil, peat, compost and leafmould. Hand or mechanically loaded models giving 12 to 140 cu yds an hour outputs.



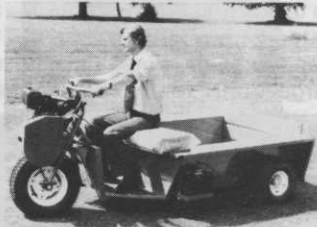
THE CUSHMAN FRONT LINE

— puts rotary mowing standards way ahead — 5ft or 6ft cut. Change to the Hydraulic Reelmower or Rotary Brush attachments for all-round versatility. (Roll Bar and Cab optional).



CUSHMAN 4-WHEEL TURF TRUCKSTER

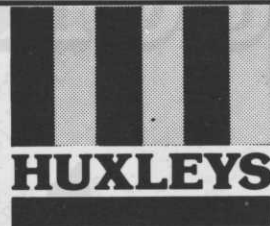
— with new Huxley Deep Aerator. The ultimate for all-terrain, all-year-round maintenance work. The new 4-Wheel Truckster has four wheel hydraulic braking, uprated suspension and a top speed of 20 mph. Takes the same full range of Cushman and Huxley Turf Care attachments as the 3-Wheel Turf Truckster.



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Rugged, economical low-loading transporters to move almost anything anywhere. Carries up to 1000lbs or 7 men — forward and reverse gears — 12mph maximum speed.

More than 700 Cushman and 400 Royer users can't be wrong. Call us now for full details of the equipment that can set new standards on your course. Demonstrations readily available from specialist dealers nationwide. Ask for a free loan of our new film showing the Cushman Turf Care System in action.



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Thorpe Lea Road, Egham,
Surrey. TW20 8JG
Tel: 0784 38666

RANSOMES

Taking pride of place on Ransomes, stand will be the company's new hydraulic trailed gang mower with a cutting width of 3.4m (11ft). The Hydraulic 340TG can be hooked up in under three minutes to any towing vehicle with a pto and with no less than 23kw (30hp) under the bonnet and towed between mowing sites at speeds of up to 80km/h (50mph). With the proven advantages of hydraulic operation, it has five cutting units, which can be either of the fixed head Magna type with 25cm (10in) diameter cutting cylinders or of the floating head Sportcutter type with 20cm (8in) diameter cutting cylinders.

Announcing the introduction of a hydrostatic drive for its Vergecutter 76, Ransomes claims a significant improvement to work output, particularly when working in confined areas. The mower has reverse drive and a choice of four cutting speeds. This 76cm (30in) wide cut machine has a transport speed of 6.4km/hr (4mph) and is fitted with a large diameter Magna type cutting cylinder able to tackle grass up to 25cm (10in) high. Fitted with a MAG 4.6kW (6.5hp) engine, the wide track tyres allow the Vergecutter to work on

slopes and when trimming over edges, the grass is evenly distributed over the whole width of cut - not on the path or in the road.

After early tests in Europe fitting the Renault four cylinder 21kW (28hp) water-cooled petrol engine to the company's Rider Rotaries, further trials utilising this engine have been carried out in the UK and USA. The success of these trials has resulted in the Renault engine being offered as an option to the diesel on both the Rider Rotary range and the Motor 213 all-hydraulic triple mower. The company expects the majority of these machines to be sold with diesel engines, but there is a significant demand for the petrol version, particularly from users without the facility for storing diesel.

Launched at last year's IOG, since when over 60 per cent of sales have been overseas, Ransomes will again be showing the Motor 350D, but this year with a new option of floating head cutting units. Fitted with 20cm (8in) diameter Sportcutter type eight-knife cutting cylinders, the five floating heads, in addition to providing an even height of cut on undulating ground, also help reduce scalping. They are particularly suited to fairways on dune-type courses.



Ransomes' new five-unit hydraulic trailed gang mower can be hooked up to the tractor in under three minutes.

PATTISSON

For the local authority market, Pattisson has long made tough basic tools and equipment to cope with vigorous use. The Beaver 1 Tonne three-wheeled tipping truck is a good example - being 'use proved' over the last four years, it now has even less maintenance items requiring regular attention than any other similar unit.

For gang mowing grass cutting, the Parkover Trailer has five mower units, a cutting width of 11ft 6in, and less than 7ft when towed between sites, hydraulic lift and lowering of all the units.

And there is still the ubiquitous Pattisson Spiker - The SP - which goes on and on, is simple to use and simple to maintain. Also on show at Windsor will be a new deep slitter, a new mounted spiker and a range of new no parking signs and hand tools.

PARKERS

T. Parker & Sons (Turf Management) will feature in a restyled hospitality pavilion the Verdant and Mommersteeg range of grass seeds, plus its Greenfeed range of fertilisers and top dressings. Greenfeed Fine Turf Fertiliser in both spring/summer and autumn/winter form has become a firm favourite.

New this year is the artificial turf Super-Tee, for which Parkers are the main distributors, and the revolutionary Tee-Turf mat.

The company markets a range of machinery of its own, including the Aggregator Tractor Mounted Soil Screen, the Parker T2 Deluxe Sprinkler and the Parkamatic Self Travelling Sprinkler, Park Central Coupling Hose Reels, Park Water Barrows, the Park Professional Sprayer for high volume and low volume application, Macwin Line Markers, Dimple Markers and Parker Prince Markers. The Perfecto range of golf course equipment includes flag pins, flags, hole tins, tee markers, ball scrubbers and Parker Spreaders.

Whether it be construction, drainage or **TORO** irrigation

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RIGBY TAYLOR

To celebrate the golden jubilee of the Institute of Groundsmanship, Rigby Taylor cordially invites its many friends to visit the company's Golden Stand where a warm welcome is assured. The central theme of the display, shown in a garden setting, will be Rigby Taylor's most successful Mascot range of chemicals, fungicides, spreaders, markers and fertilisers, as well as a host of exciting new products to assist the greenkeeper/groundsman. For further details, contact Mr E.J. Ryan, Rigby Taylor (South), Unit 7, The Riverway Estate, Peasmarsh, Guildford, Surrey GU3 1LZ.

SISIS EQUIPMENT

A large and varied display of the comprehensive SISIS range of sportsground maintenance equipment for use on turf and hard porous surfaces will be exhibited. The SISIS Hydromain System will feature prominently and both the Fourteen and Sixteen models will be on show, together with a wide selection of items from over 30 attachments available. Also on display will be the recently introduced SISIS/Acre Soil Processors and some new products and design improvements to existing machines.



BRIAN D. PIERSON (CONTRACTORS)

The company has established itself as one of the UK's leading golf-course constructors, having recently completed its 50th contract, including major alterations to four Open Championship courses. Recently, Pierson diversified into specialist maintenance and the full Cushman range, Cambridge Soil Vibrator and Verti-Drain are available for hire. The company is becoming increasingly involved in overseas contracts and it is hoped that this autumn work will commence on a new golf course in Tenerife, with possible follow-ups on the Costa del Sol and in Portugal. A landscaping and sportsground section now operates six fully mobile landscaping units throughout the south.

TORO

Designed to fill a much-needed role between the existing Super 600 and 640 pop-up sprinklers, Toro Irrigation is introducing the new 610 pop-up at Windsor.

The Toro 610 offers both performance and economy. Its 3.5in pop-up action makes it good for watering longer-cut grasses and its check-valve prevents low head drainage. Twelve different watering arcs, adjustable radius plus the ability to operate in sandy water and soil conditions are plus-points.

Additionally, Toro will also be introducing its new XP-300 range of lawn sprinklers, shrub head and high-pop sprinklers which, between them, effectively extends the choice of the existing range of 300 series stream rotors. Of special note is the XP-300's high-pop action, which provides nozzle travel of 12.25in above the body—ideal for watering low ground cover planting where sprinkler visibility is undesirable.

Two new, second generation electronic controllers, suitable for golf course and landscape irrigation systems will be exhibited for the first time by Toro UK distributors.

Now turn to page 27...

STEETLEY VITAX

Two new products, part of the Steetley Vitax Key range, will be appearing at Windsor. Key Turf Tonic is for use in both early spring and autumn. The product contains 2.1 per cent nitrogen, 2.5 per cent potash and 3 per cent iron, but is one of the Vitax zero-phosphate developments. The second introduction will be zero-phosphate Key Foliar Feed for use when stress conditions exist or when other feeding methods are unsuitable. It contains 20 per cent nitrogen, 15 per cent potash and follows the 4:0:3 format of Fine'X', CF4 and Micro-Gran 3.

Steetley Vitax will also be making a special feature of its recently introduced Gold and Silver Key grass seed mixtures with specially-grown swards of each of the available blends (four Gold Key and six Silver Key) and there will be samples of each.

SUPATURF PRODUCTS

Supaturf of Peterborough will feature its full range of organic-based fertilisers and turfcare products, including grass seed, weed killers and other turf maintenance aids suited to fine and hard-wearing grass alike, plus sports equipment marketed mostly under the Supaturf brand name.

A most important acquisition to the product range is Aqua-Gro. It is a unique wetting agent, winner of the most innovative new product at the BGLA, which will be of great interest to groundsmen after this summer's prolonged dry weather.

Producing and selling to the amenity and environmental markets and supplying some of the country's best-known sporting venues means extremely high standards have to be continuously maintained. Supaturf also places heavy emphasis on its professional advisory service, which can be called upon at any time, free of charge.

SURREY LOAMS

Surrey Loams will be showing its Graded Organic Sports Turf Dressings - a complete range of superfine top dressings that are absorbed quickly into any sward. Now distributed under the registered trade name G.O.S.T.D., it should be noted that materials not bearing the G.O.S.T.D. brand name and trade mark do not originate from Surrey Loams. The company has found it necessary to change its marketing approach in respect of product definition because of the widespread abuse of the term Surrey Loam and the variable and often dubious materials supplied as Surrey Loam.

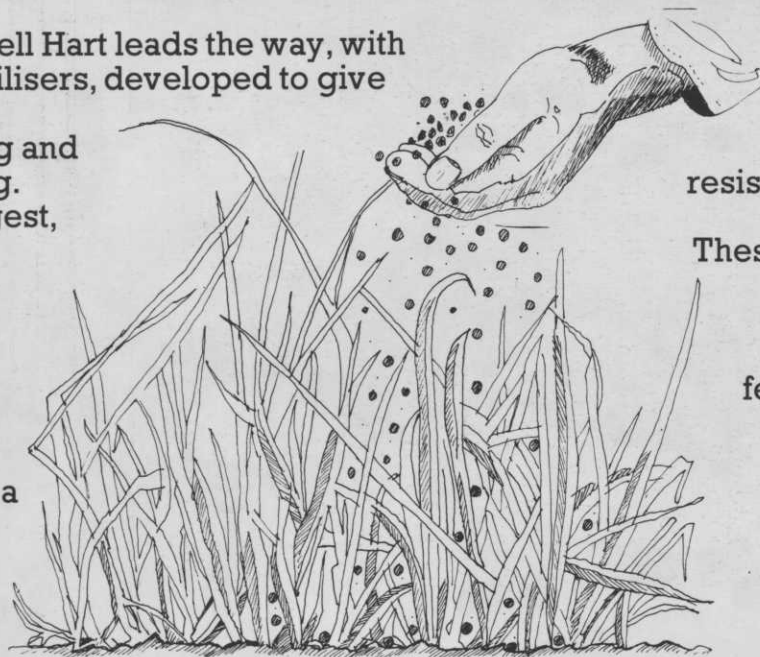
HART NEWS

New formula makes fertilisers even more effective

Once again, Maxwell Hart leads the way, with two new-formula fertilisers, developed to give even better results:

Turf Ranger 1 plus Mg and
Fert-E-Miza 6 plus Mg.

As the names suggest, these fertilisers now include magnesium. The benefit of this is twofold. Whilst magnesium is, itself, essential for good plant health and colour, it also acts as a carrier for valuable phosphates.



Both fertilisers also have added iron for improved disease resistance and control of moss and weeds. These are just part of the complete Hart range of general and specialised fertilisers. As always, Maxwell Hart will be pleased to help and advise you in making your selection.



MAXWELL HART

For further information, contact:

Maxwell Hart Ltd., Winnersh, Wokingham RG11 5HF.
Telephone Wokingham (0734) 785655. Telex 848669.



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Fisons Greenkeeper* Super-N nitrogen-only fertilizer feeds your greens steadily for 12 weeks. Because it contains a unique mix of fast and slow-release nitrogen.

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FISIONS
Horticulture

Learning from the past and looking to the future

'It is evident that to meet modern requirements, golf greenkeeping has to be made a profession in itself—that a man has to study to fit himself for it, has to possess some elementary knowledge of chemistry in order to understand the constituents of the food of grasses and some knowledge of botany respecting the different kinds of these grasses and the conditions for their growth.

'It is also essential that he shall be a man of observation and that he shall not be so fastbound in his acquired rules as to be unable to make for himself the deductions needed as he watches the different growth of grasses on different greens and different parts of the same green.

'In fact, if a man is to be a greenkeeper in the best modern sense, it is wise for him that he should apply himself to learning the job, as he would in any other profession, under a skilled teacher—if he be fortunate enough to find one—and, if not, to do the best he can for himself with book learning and attentive study of greens.'

That piece of good common sense was written almost 80 years ago by Horace Hutchinson in *Golf Greens And Greenkeeping*. The lack of training for greenkeepers has been apparent for a long time! Hutchinson's book comprised a series of essays by prominent golf-course architects, such as Colt and Fowler, Beale (then manager of Carters Ltd), who constructed many well-known courses, as well as greenkeepers like Hugh Hamilton, then of St Andrews. Frequently, the information seems



By Eddie Park

contradictory, but I was impressed by the high standards evident in the appreciation of applied botany and geology and soil studies.

Of course, in some ways things were easier then. Play was usually much lighter, although *Nisbet's Golf Year Book Of 1910* (Edited by John L. Low) shows many clubs with well over 400 members. A few had tried fertiliser and water but, in general, golfers still appreciated the merits of the traditional British game and there was little pressure for the target golf of today.

Fowler wrote of Westward Ho: 'The putting greens are now splendid and are the finest examples of the old seaside putting greens unspoilt by overfeeding.'

Indeed, courses tended to be ranked according to whether they demanded a complete armoury of

shots. Low himself said: 'As far as my experience goes, Hoylake is the best test of golf in England. The course seems to me to afford and to demand continual variety of strokes. The running shot, which is called for at the first hole when the wind favours, is at once complemented by the pitch demanded by the second.'

No playing everything with a wedge in those days! You sense, too, that the skill of the old-time greenkeepers was better appreciated. Sound practices and the many good sites with indigenous fine turf combined to give a respected and peaceful, but badly paid, group of men.

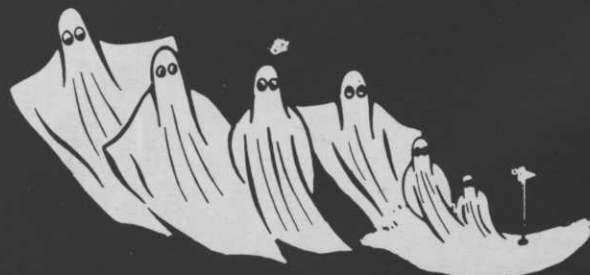
Today, all is sadly different. Much of that turf has been destroyed by faulty use of fertilisers, overwatering and lack of aeration. Golfers now believe they have the choice of a range of options and that they can order up whatever conditions they want, regardless of weather or season. Worst of all, they believe that the production of a golf course is easy and certainly not worth the expense of fully-trained staff.

Greenkeepers are, not surprisingly, frustrated and vaguely demand a higher status. This seems to comprise a mixture of financial and social betterment, together with a belief that their position should entitle their expertise to be recognised and accepted. They are divided with different factions demanding different remedies.

Some younger men want the immediate creation of a profession with colleges providing a complete education. A little research would



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show them that most of the established professions only emerged over long periods and the early pioneers saw little of the benefits. But at least it is a progressive view with a worthwhile long-term aim.

The same cannot be said of those who seem to want to retire into their fortress and pull up the drawbridge. There are some who want, in effect, an association composed solely of established head greenkeepers, which will preserve the status quo forever. This is a recipe for censorship of greenkeeping journals, the imposition on employers of a salary scale they have not negotiated, a firm policy of no consultant agronomists, head greenkeepers dictating policy to the clubs, which, in turn, will have to put up with whatever conditions they choose to give. I believe the majority of greenkeepers have more sense and are more realistic.

I have put down a few ideas, having tried to face the problems head on. So, don't switch off or turn the page because you don't like them all—try to thrash out something better with your colleagues!

Of course, the first task is to educate golfers about golf courses and I think that has begun. If it means saying what they have now is poor, do not flinch from it, but point out that it is almost always the result of unwise pressure on staff.

Let us first deal with the vexed question of who sets policy. I believe that this is not the job of either greenkeeper or green committee—rather, that both should make big contributions towards gathering the facts required before making these decisions. Policies will only stick if all members have at least a say in making them. Anything decided by a committee or individual can be overturned by successors within months.

By all means let everyone make their points, perhaps engage an

agronomist to prepare a report or address the members. But then put them in a general meeting to decide a policy and stick to it for a long period. They will have to decide which type of golf—target or traditional and the costs and consequences of each.

Architecture must go hand-in-hand with this, so changes in bunkering, etc, all come into the reckoning. If all this can be done properly, resulting in a policy document, the greenkeeper should then be protected from much of the pressure from which he suffers at present. What a relief!

The reality is that only the owner, be it club or company, can decide policy. They can, and should, take advice, both from their greenkeeper and their consultant, but they cannot be allowed to duck the responsibility of actually doing the deciding.

Denigrate

I do not denigrate either greenkeeper or green committee by saying they should not take on this role themselves.

Having got rid of that bogey, let us proceed to consider a structure to cover the whole field of golf greenkeeping.

If we are to claim this is a skilled business, it follows that there is no place for unskilled operatives, which is only another name for cheap labour. The set-up of a highly paid head greenkeeper with a bunch of unskilled and untrained young men should become a thing of the past. Most clubs had a full, fairly skilled workforce up until the last 25 years. The need to attract head greenkeepers with a reasonable salary led to clubs recruiting young men from the bottom of the labour market and then keeping them, without training, on very low wages.

Trainees should be of high quality, carefully selected and then trained fully. The City and Guilds course was not too bad for this purpose when

properly taught by the colleges. It perhaps did not give sufficient emphasis on fundamental science subjects, tended to be repetitious, not always relevant and too spread out.

Within a year, at most, the trainee should be moving into the craftsman grade followed by further grades of skilled craftsman. Remuneration could be geared to these grades.

My impression is that there is not too much need for additional training in practical greenkeeping. Learning the job from senior colleagues is still a very good method. The trade will find it in their own interests to provide some lectures and especially training in machinery workshops.

The main difficulty now at craftsmen level is that, at different clubs, working practices have evolved in different ways and at different standards. We need some standardisation and upgrading to fit in with modern policies.

Now, all the time we have to be thinking (as do other crafts and professions) along two parallel lines. We may be able to make suggestions for future college-based training for craftsmen, but it would be grossly unfair to present staff to fail to produce a scheme that will help them. At craftsman level, my own experience of this standardisation and upgrading is that it is not really so difficult to do.

I believe the greenkeepers' associations could form a board, perhaps with some outside help, to agree working practices and appoint some regional advisors.

Big Brother? Not really. In my profession, I know that any piece of work I carry out can be inspected at random. The fact that greenkeepers themselves would be seeking to enforce high standards and, therefore, protect their clients is a concept common to most professions.

Now we come to the real crunch. It

Continued on page 34...

SAND SLITTING?

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The photograph can be humorous, serious, or even upside down! but it must depict the advantage of using a Rigby Taylor product.

In your everyday activity and concern with turf care and greens maintenance you should have no difficulty in locating a suitable subject.

Transparencies would be ideal! But don't delay in sending your entry if it's a colour print.

You can submit as many entries as you wish but make sure you complete the entry form at the bottom of this ad. Just one point! Please don't write on the back of your entry.

It could be your lucky day!

THE RULES

The competition is open to all Groundsmen / Greenkeepers in either private or public employ*.

The staff, their families; agents and distributors of Rigby Taylor Limited are exempt from this competition.

All entries must be submitted to the appropriate publication as indicated on the entry form who will judge the best entry submitted and the runner up.

The copyright of all entries will automatically pass to Rigby Taylor Limited who will produce and distribute a full colour calendar for 1985 using the six winning entries (one from each of six publications) together with suitable captions.

The final closing date for entries is 1st September 1984.

**In some cases it may be that public service employees are ineligible to receive awarded prizes. In such an instance Rigby Taylor Limited will verify the position with the appropriate Local Authority. Should any awarded prize be unacceptable it will be donated to a charity of the winners choice.*

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The new Massey-Ferguson Range of Compact Tractors. The machines you asked for.

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Three-point linkage and a 2-speed PTO allows fitment of a very wide range of implements. The platform and controls are ergonomically designed for ease of operation and driver comfort. It all adds up to the increased efficiency that yields greater output.

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MF 1020 21 hp. MF 1030 27 hp.

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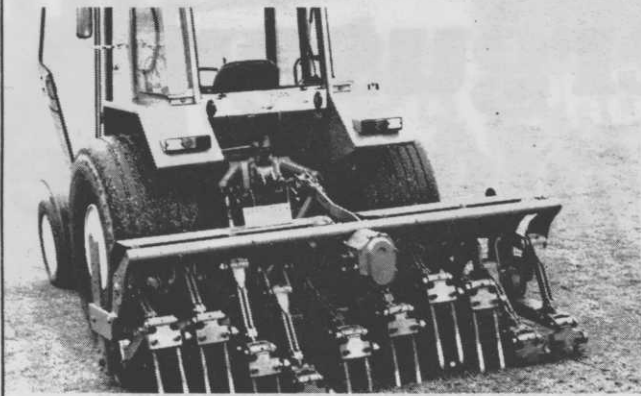
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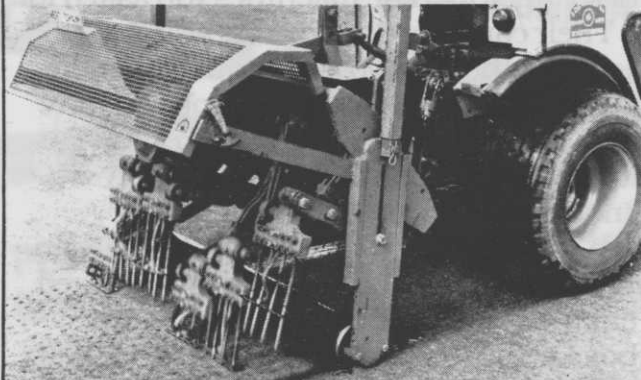
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"MAJOR"



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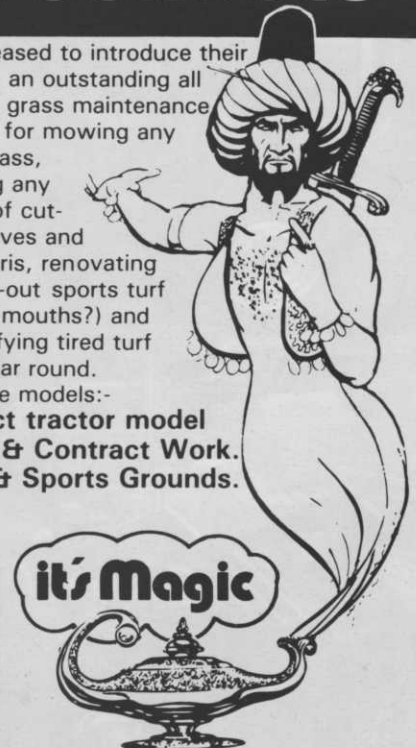
Lawn Genie Cuts and Collects



Bob Andrews are pleased to introduce their NEW LAWN GENIE - an outstanding all purpose, all season, grass maintenance machine. Ideal for mowing any type of grass, collecting any amount of cuttings, leaves and lawn debris, renovating played-out sports turf (Goal mouths?) and scarifying tired turf all year round.

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- 36" Compact tractor model
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TORO

The new Greensmaster 3 is designed with its cutting heads isolated from both the traction unit and the grass baskets, which allows it to cut more evenly - from 3/32in to 11/16in.

It uses a carrier frame that pulls rather than pushes the cutting unit, therefore resulting in balanced, fully floating cutting heads that allow the reels to float freely as they cut, unaffected by dips or bumps encountered by other parts of the machine or by the weight of the clippings in the baskets.

The Greensmaster has a three-wheel design that allows turning within its own length. This tight-turning design, coupled with two independent, hydraulically driven front traction wheels, allows this rear-steering triplex to cut up to and around the edges of greens, collars and traps.

A single forward reverse pedal gives the operator even more control in tight turns and, together with the variable speed kit, provides infinitely variable speed control up to 3.5mph.

The Greensmaster is designed with hydraulically-driven traction wheels, reels and reel lifts. These enclosed, self-lubricating power systems give longer service and require less maintenance because there are no gears to



Toro's Greensmaster 3.

change, belts to adjust or clutches to repair.

The operator station features centralised controls within easy reach, plus a steering arm that can be adjusted in height to allow for more leg room, as well as an adjustable, cushioned high back seat. Maintaining a quality cut in low ranges demands frequent and precise adjustment. TORO's quick-disconnect cutting units give fast, easy removal of the reels for servicing.

The balanced eight-blade cutting units are interchangeable, as are all baskets and reel motors. And these cutting units allow fast, easy conversion to thatching or spiking reels.

Numerous other new models will be on display, including the GM44, GM62 Diesel, 6M Triplex, 21in Heavy Duty Hand Propelled and Heavy Duty Self Propelled, together with a vast range of current equipment allied to both domestic and commercial use.

TURFLAND PROFESSIONAL EQUIPMENT

On display will be the new production models of the Brouwer Super 3 gang mowers, following last year's showing at Windsor of the prototypes, which attracted a great deal of interest.

This year also sees the launch of the new Fairway Mower, specially designed to follow low ground contours with its unique floating heads. In minutes, it can be converted back to a rigid mower for

use in the rough, eliminating the need for maintaining two mowers.

Also on show will be the Brouwer Mark 11 Mini Turf Cutter, which can now be adapted to take attachments for de-thatching, edging, etc. The new models complement the already well-established range of Brouwer three, five and seven gang mowers and turf harvesters widely used throughout the UK.

TURF MAINTENANCE SUPPLIES

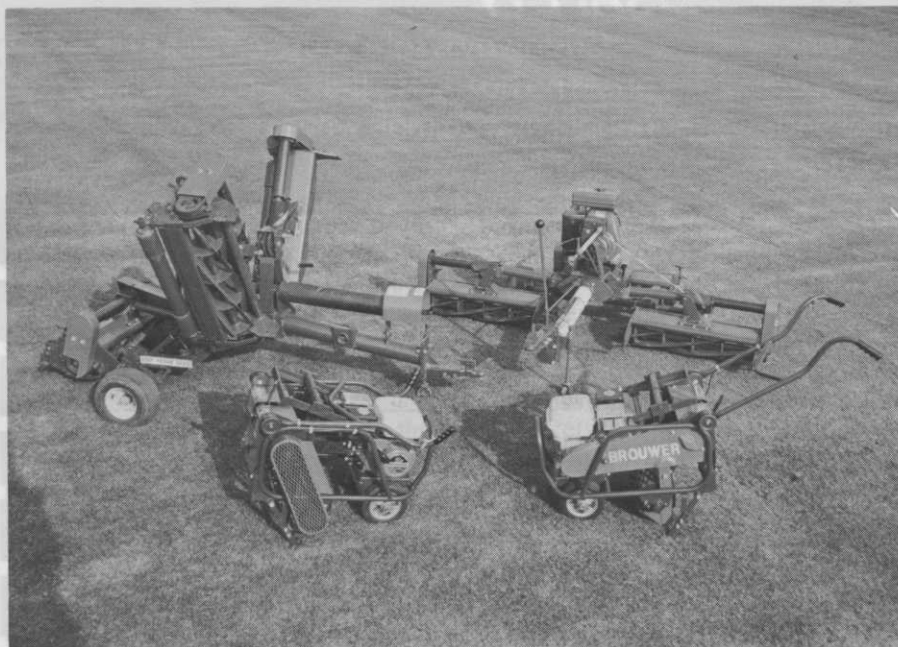
Suppliers of all types of sports equipment, fertiliser, grass seed, weed killer, fungicide and marking compound, TMS also produces its own fine turf top dressings consisting of Trudress, Screened Cricket Loam and Light Top Soil. The company is also the main stocking agent for May & Baker, Synchemicals, Godwins Peat, Johnsons Seeds, Ciba Geigy, Soilife and Bridges Pennants.

BOWLS GREEN '84

SISIS Equipment (Macclesfield), in association with May & Baker and its distributors, is staging demonstrations of turf management techniques and machinery for bowling greens, each followed by a lecture with slides covering disease recognition and chemical applications.

Dates and venues are Norfolk Bowling Club, Unthank Road, Norwich (in association with Collier Turfcare Distributors), Tuesday October 2; Marlborough Bowling Club, Lansdowne Road, Ipswich (with R.E. Rushbrook & Son), October 3; Quendon Bowling Club, Quendon, near Saffron Walden, Essex (with John K. King & Son), October 4.

For further details, phone SISIS on 0625 26363 or write to SISIS Equipment (Macclesfield), Shoresclough Works, Hulley Road, Macclesfield, Cheshire SK10 2LZ.



On display at the Turfland Professional Equipment stand will be the Brouwer Super 3 Gang Mower and Mini Turf Cutter.

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Safety first!

Peter Wisbey is the chairman of EIGGA and course manager at North Foreland GC, Kent. This article is based on the Health And Safety At Work Act, 1974 and formed the basis of a highly acclaimed paper delivered by Peter at Golf Course '84.

The Act, in its present form, seems to overlook the golf club, or so many clubs seem to think. But does it? How does it affect golf clubs and greenstaff?

Under section 2 (3) of the Health And Safety At Work Act, 1974 it is the duty of any employer with five or more staff, whether full-time or not, to prepare and display a policy statement setting out in detail safety standards applicable to their business. This figure of five includes clubhouse staff, cleaners and caddies, as well as the greenstaff. Failure to meet this requirement is subject to a maximum fine of £1,000.

Who is responsible for the health and safety of the greenstaff? In a private club with directors, it is the chairman of the board. If, however, it is a members' club, then the responsibility falls on the captain to ensure that conditions and work practices conform with the 1974 act. It then falls to the delegated head of department, in this case the head greenkeeper/course manager, to prepare and implement a policy statement.

The first and most important thing to ensure is that a policy statement is available to all staff. A copy should be displayed in a prominent position in, say, the mess room or workshop. This statement (required by law) can be on guidelines laid down by the Health And Safety Executive (Agriculture).

It should consist of a general statement laying out:

- 1) Employer's responsibilities.
- 2) Employees' responsibilities.

It would then detail the arrangements and procedures for such things as: a) servicing machines and reporting faults, etc; b) safety training; c) protective clothing; d) special care (under this heading, the club must detail any specific hazards—i.e. steep slopes, overhead or buried pipes, cables, etc, use of dangerous substances or machinery),

e) fire hazards, naming the areas where smoking is forbidden.

The final part of the statement should give procedures in case of emergency, giving locations of first-aid equipment and also reminding staff to report *all* accidents and to enter them in an accident book (required by law).

Under a paragraph headed Task Restrictions, a statement should make it clear that no employee will be asked or expected to undertake work for which he/she is not experienced or trained. This statement must be signed by the employer—i.e. captain and/or the delegated head of department.

In agriculture, the law regarding the fitting of such things as pto covers and tractor safety frames is clear. They must be fitted.

On the golf course, however, tractors, etc, need not comply with these regulations and the Health and Safety Executive can only suggest they be fitted.

The same applies to safety clothing, such as spray suits, gloves, masks, goggles, ear protection and non-slip safety (steel-toed) boots. Often greenkeepers have told me that these things are not provided because golf clubs are exempt from the act. They are not! In the Policy Statement, two paragraphs read:

Employer's responsibilities a) to provide and maintain equipment, machinery and systems of work, which are safe and without risk to health, e) to provide a working environment without risk to health and safety and adequate facilities and arrangements for their welfare at work.

Therefore, in the event of mishap or accident an inquiry or inquest would require the club to provide good reasons why good safety arrangements were not made. Expense is not a good reason. The Act does require that adequate mess

facilities be maintained—i.e., heat, toilet and washing facilities with soap and towel.

I would also expect clubs in this day and age to provide a small cooking area, shower cubicle and drying room. These things can only improve staff morale, which will undoubtedly reflect on the condition of the course.

Many courses like mine are split by public highways. As part of the daily routine, machines, such as tractors, Cushman and triplex mowers, cross and recross such roads. Clubs are allowed up to six miles per week without an excise licence (for each machine), but the Vehicle Licensing Department at Swansea must have details of each machine (serial number, make, etc (and an exemption disc applied for and displayed).

Storage of chemicals, sprays and the like should always be in a secure place, designed to contain them in the event of spillage, leakage or fire. The store should be situated away from drains and open watercourses. It is a good idea to notify the local fire authorities of the nature of chemicals and pesticides in use.

The store should be built of non-combustible materials, with a light roof to act as a vent in the case of fire. Good ventilation is essential. It is a good idea to have a raised, slatted floor to provide a sump and the raised threshold facilitates the unloading of drums, etc.

Fungicides should be kept on shelves, while 25 litre drums should be carefully stacked on the floor.

If at all possible, do not interstack different products. Keep a bag of sawdust handy to soak up spillage. The door must be lockable and kept locked when not in use.

When a new product is brought into use, the head greenkeeper will obtain copies of data sheets for members of staff, give proper training in its use

Continued overleaf...

Safety first—Continued...

and make sure protective clothing and equipment is supplied and used.

The storage and handling of petrol affects all golf clubs. Few clubs seem to follow the letter of the law as far as the purchase and storage of this highly dangerous liquid goes. A few more enlightened clubs have installed underground bulk tanks with electric pumps, which gives them a safe, convenient supply bought in at bulk prices. Most, however, rely on odd cans dotted around and in some cases filled daily (in summer) at a nearby garage.

How does the law stand with regard to petrol? If a bulk tank is not installed then the maximum amount you can store without a licence and for *immediate* use is 60 gallons in an approved store (such as described for chemicals) and in two gallon cans only. Drums or jerry cans *will not* do. Also, you must notify your local Petroleum Officer of your intention to store petrol on your premises. Warning signs should be displayed on the store and fire extinguishers provided.

Another common occurrence at golf clubs is that a member of the greenstaff, usually the head greenkeeper, fetches the petrol in his car or, in some cases, the club's vehicle. Again, the law here is very clear—no more than ten gallons in not more than two gallon cans. The vehicle must display the inflammable diamond and carry a fire extinguisher.

Insurance

Most important of all, though, make sure your car insurance covers you, especially if you are using a private car. Insurance is the key to all these regulations, for if an accident does occur and you have not notified the authorities that petrol is being stored, and it is not stored in a safe and proper manner, the club may well find its insurance cover void.

A bulk tank of 1,000 gallons capacity with garage-type pump will cost around £4,000 to install, with a licence fee of £25 per annum.

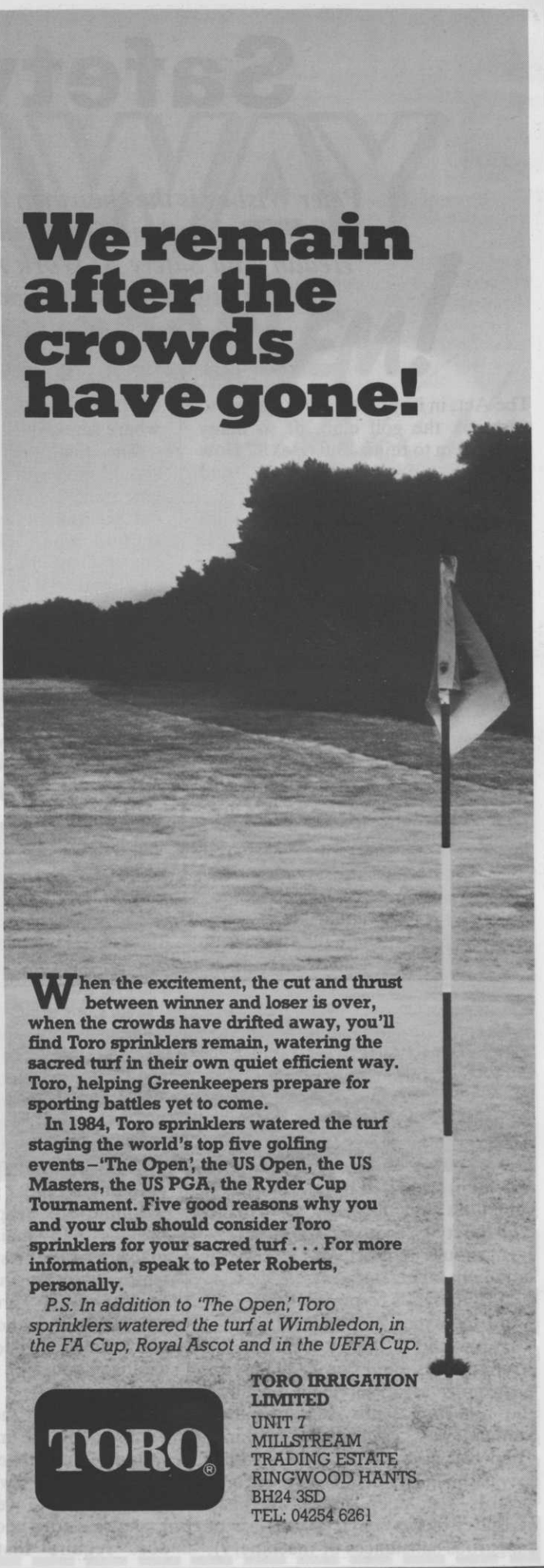
To conclude, it is in the interests of the golf club committees and staff to have a good look at work procedures. At most clubs, a few hundred pounds spent on improving safety standards could save a lot more in the long run. Head greenkeepers and course managers should be aware that, in certain cases, *they* can be prosecuted if the Health And Safety Act is not adhered to. I know of at least one case where this happened. The greenkeeper was found guilty of negligence and had to pay costs. So, be warned.

The Policy Statement must be drawn to the attention of *all* staff, whether trainees, part-time or casual. It is a good idea to get them to sign the statement, stating they have read and understood it.

I have found both the Health and Safety Executive and the Petroleum Officer extremely helpful and informative. In both cases, they have said that it is the policy to prosecute only as a last resort and are willing to carry out advisory visits and make recommendations. These visits cost nothing and could save a lot of money or, more importantly, lives. Put safety *first*.

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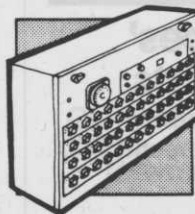
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North West

The North West branch recently enjoyed a visit to Royal Birkdale, scene of the 1983 Open. We were welcomed by head greenkeeper Tom O'Brien who showed us around his sheds and workshops. Particular attention was paid to the complex irrigation system, which made one or two of us quite jealous!

We then walked the course. Split into small groups and discussing various points, we thus realised the purpose of the trip. I would like to thank Tom and also the secretary and committee of Royal Birkdale.

I would also like to take this opportunity of congratulating Walter Woods, links supervisor of the St Andrews Golf Courses, on the supreme—and traditional—condition of the Old Course for the Open. One

look at the greens was an education into what we should all be aiming for.

Thanks also to Joe McKean, general secretary of SIGGA, for the hospitality he and his members extended to me during my stay at St Andrews. The SIGGA tent was a tremendous success with plenty of interesting events taking place and providing a welcome shelter for weary greenkeepers. Let's hope EIGGA can reciprocate at Royal St George's in 1985.

The autumn tournament takes place at Wrexham GC on Monday September 17. All entries to T.Adamson, 26 Ffordd Gryfydd, Llay, Wrexham, Clwyd.

Andrew Campbell.

Berks, Bucks And Oxon

The branch was re-formed at a meeting on August 1 at Burnham Beeches Golf Club. An 18-hole Stableford was contested by 30. First prize went to P. Knight (Calcot Park) with M.Haring (Stoke Poges) and

S.Schmitz (Ellesborough) finishing second and third.

Our thanks go to Cyril Hammond, secretary of Burnham Beeches, and his staff for an excellent course and to the catering staff for a most satisfying meal.

Officers elected are chairman—M.McMillan (Badgemore Park), vice-chairman—J.Brearley (Southfields), branch administrator—Derek Smith (Maxwell Hart) and golf administrator—E.McCabe (Calcot Park).

Any new members or old members wishing to join or rejoin are asked to contact Derek Smith at 22 Wincroft Road, Caversham, Berks. ☉ Reading 470815.

Derek Smith.

London

Well, what a drought. I'm glad they haven't rationed water—whisky isn't the same without it!

It's been a busy time lately and the following events have also been organised. The autumn meeting is on

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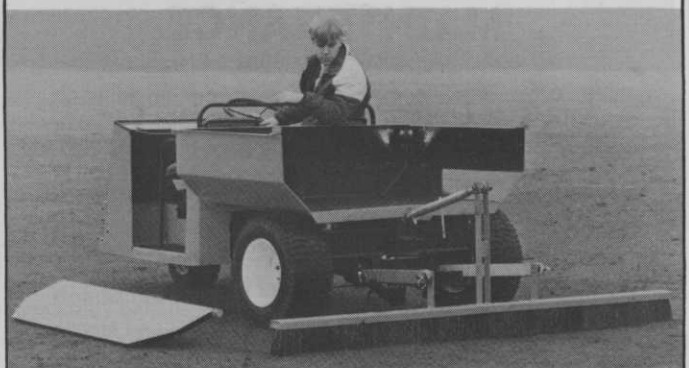
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September 25 at Porters Park—8am for 8.30, please; dinner-dance at the Post House Hotel in November—the date will be announced next month; one-day seminar at Moor Park on November 28. The theme will be golf course maintenance and construction.

A good turn-out would be appreciated at all these venues.

Speaking of good turn-outs, some 50 greenkeepers and guests enjoyed a marvellous evening's golf at Hartsbourne Golf and Country Club on July 27. Many thanks to Hartsbourne's committee for use of the course, which improves in condition every year—just like Tom's golf! Many thanks also to his wife for serving so many with a most excellent supper.

As always, these occasions take a lot of organising. Thankfully, we have two men more than capable in David Low and Michael Peters.

Thanks also to Parkers and particularly Alan Moffat for providing a lovely barbeque for the first prize, which was won by Dave Merrills and to Hartsbourne for again donating generously to the prize fund. The other winners were J. Whitely, T. Low and P. Wicks and A. Low (guest).

In keeping with EIGGA's policy for education by greenkeepers for greenkeepers, it was with great

interest and enjoyment that all present listened to Michael Peters' talk on how he manages his course. Let's have some volunteers for next year please! Look forward to seeing you all at Porters Park. Remember to return your form!

David MacIndoe.

Sussex

Thank you Holtze Golf Club for hosting one of our evening games. Thanks also to Bob Tingey for preparing the course—it was in excellent condition. We also extend our thanks to the captain and all the club's members. Finally, thanks to Ted's wife for another wonderful meal. I do not know how she does it!

The July evening game was held at Tilgate Forest with the best score coming from Dick Bull. Again, thanks to all the staff and the club for use of the facilities.

The annual match between the Sussex and Surrey branches took place recently at Tyrrells Wood. For the second year, the Surrey lads retained the tankard—well done. It is a match we all look forward to and we

will be hoping to put our name on the tankard next year!

The Surrey branch kindly invited us to play in the McMillan Trophy at Sunningdale. The event was played over the Old Course and for those of you who have never visited Sunningdale, it is a must. The course is magnificent and tribute must be paid to Jack McMillan—the master craftsman of his chosen profession.

Do not forget the autumn tournament, which is to be held at Rowlands Castle on September 25.

A one-day seminar is being arranged for November at Plumpton Agricultural College. Members will be notified of the speakers and date in the next issue.

Plumpton's courses starting in October are Phase I, Greenkeeping—Phase II and Enterprise Management—Phase III (all day-release). Also, Greenkeeping—Phase II is being offered for the first time at Plumpton in block-release for those further afield.

I would like to welcome Paul Wright to Dale Hill and wish him well in his new post. Paul is now the head greenkeeper. He moves from the RAC where he was first assistant.

Clive Dryden.

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SIGGA At The Open

St Andrews was the place and July the month when SIGGA advertised itself in a big way for the first time at an Open Championship. We set up a hospitality tent in the tented village complex at St Andrews and this proved a huge success. Over a thousand names appear in the visitors' book and it was a great pleasure to greet so many club officials, visitors from overseas, agronomists and course architects, friends from the BGGGA and EIGGA (although fewer than we had hoped for), our supporters in the trade and so many of our members.

We feel the object of the exercise—namely, establishing a meeting place for a lot of people involved in the fine turf industry—was achieved.

In addition, groups of greenkeepers from the five sections of SIGGA came to St Andrews by bus and car each day and took over the duties of bunker raking from 1pm until the close of play from Walter Woods' permanent staff. In return, the R&A gave them free admission to the Open and provided them with a luncheon voucher and car park ticket. This was a most generous gesture by the R&A and greatly appreciated by SIGGA.

Our vice-president Walter Woods did a tremendous job for SIGGA in his negotiations with the R&A and his Links Management Committee. Hopefully, we can build on this year's experience and continue to be represented at the Open each year.

I would like to express my thanks to Jimmy Neilson,

president of SIGGA, for the great job he did as the front man who received all the visitors and made them feel most welcome.

I must also say thanks to Dick Duggan of Glencorse, John Crawford of Dunfermline, Elliot Small and all the others who took their turn at the table, making sure that everyone signed the visitors' book. Cecil George, Chris Kennedy, Jimmy Paton of West Kilbride and Alistair Connell organised the bunker raking duties to perfection and ran around all week ensuring that everything possible was done to make 'St Andrews '84' a success.

Finally, well done to all SIGGA members who came to St Andrews. Through their presence and support, we achieved our objective.



Learning from the past... Continued

was the fact that the Greenkeeper Training Scheme made no provisions whatsoever for the further training of greenkeepers to become head greenkeepers or course managers that condemned it from birth. I don't know of any job in which you can move into a position of management without training.

EIGGA has made a useful start with a management course and, indeed, skills in finance, budgetting, ordering and managing staff are essential. But it is the implementation of policy that is so vital. It is the making of daily judgments regarding the timing, degree and arrangement of mechanical and chemical factors that is so difficult. Golfers and golf clubs have failed totally to recognise these considerable skills. Yet it is this difficulty of implementation, in the context of changing natural conditions and pressures of play, that

has led to such mixed success by different clubs—perhaps even using the same agronomist for advice on setting policy.

We are back to the need for a knowledge of botany, plant ecology and soil science, which enables practical judgment to be soundly based. Once more, we must move on two parallel tracks. Others, more qualified than I, will no doubt draw up a syllabus for college education in the future.

I am more concerned about the present and will come straight out and say that I believe it would not be too difficult to equip the aspiring course manager (or those already in such posts) with enough basic knowledge to make the job both easier and more satisfying. And also to argue successfully with golfers and committees who base their demands on unsound scientific grounds.

During last winter, I spent some time weekly with our own staff discussing these topics and setting some reading in between. I have been encouraged to see that when we now discuss work programmes, their contribution and confidence has improved markedly. This whole subject of basic sciences in relation to greenkeeping is so important I will return to it again.

Many people are now taking more interest in golf-course maintenance. This is the opportunity to ensure that a proper structure for the future is set up, but with due regard for the present. As to status, I think that subject would then seem less important. Skilled men with adequate basic knowledge to back their skills will always receive proper recognition.

Marshall Concessionaires' Qualifying Tournament

The Marshall Concessionaires' qualifying tournament for SIGGA members was held at Cawder Golf Course, Bishopbriggs, near Glasgow in June. Fifty took part and the six who qualified to go forward to the finals in England later this year are Jim Grainger (Largs GC), Steven Hogg (Cawder GC), Alan Clark (Ballochmyle GC), Alan Purdie (Broomieknowe GC), Ian McLeod (Tain GC) and Ian Galbraith (Hilton Park GC).

SIGGA would like to thank Malcolm Clark, managing director of Autogarden (Glasgow), for providing all the hospitality for players and officials and also for donating six beautiful prizes. Alistair Connell, course manager at Cawder, presented an excellent golf course. We wish all the qualifiers every success.

Joe McKean.

Jimmy Kidd has been appointed estates manager of Gleneagles Hotels. Jimmy joined Gleneagles in March 1983. In his new position, he will be responsible directly to the general manager Peter Lederer for all aspects of golf-course maintenance, gardens, landscaping, and all projects related to the 610 acres of Gleneagles Hotel. Jimmy can be contacted on 07646 2231 (ext 4364) or 07646 2879 (home).

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Responsible for the day to day activities associated with the maintenance and overall condition of our 184 acre golf course.

Applicants should have at least 5 years experience of golf courses in a green-keeping capacity, have proven supervisory skills and be over 30, with an appropriate qualification in turf management.

The successful applicant must reside on site. The accommodation is a 3-bedroom bungalow, for which rent is payable. Generous relocation allowances are available in appropriate cases.

It is expected that the successful applicant will commence employment in December 1984.

A job description and application form can be obtained from, and should be returned to, Personal Services, Civic Centre, Marlowes, Hemel Hempstead, Herts HP1 1HH.

Tel: (0442) 60161 ext 2512. Closing date 24.9.84.

The Council is an equal opportunity employer and welcomes applicants from registered disabled persons.

Dacorum District Council

ST. GEORGE'S HILL GOLF CLUB

invites applications for the position of

HEAD GREENKEEPER

Applicants for the position of Head Greenkeeper for our 18 and 9 hole courses must possess a sound knowledge and experience of modern turf management techniques. A thorough practical knowledge of the use and maintenance of machinery together with the ability to manage a young, hardworking staff is required.

A top class salary will be paid.

Apply in writing, stating age, qualifications and experience. Two recent testimonials are required together with the names of two persons to whom reference may be made.

Address to:

**The Secretary,
St. Georges Hill Golf Club,
St. George's Hill,
Weybridge,
Surrey KT13 0NL**

ST. ENODOC GOLF CLUB

require a

HEAD GREENKEEPER

Applicants must possess a sound knowledge of up-to-date turf management techniques preferably with links course experience. Thorough knowledge of the use of maintenance machinery and the ability to direct and motivate staff.

Salary negotiable.

Applications in writing giving full details of previous experience and names of referees to:

**The Secretary,
ST. ENODOC GOLF CLUB,
Rock,
Nr. Wadebridge,
Cornwall. PL27 6LB**

HEAD GREENKEEPER

required by

GORLESTON GOLF CLUB LIMITED

Applications are invited for the above post from persons of proven ability and experience in golf course maintenance.

Salary negotiable. No accommodation.

Apply in writing, stating age and experience to:

**THE SECRETARY/MANAGER
GORLESTON GOLF CLUB
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GORLESTON-ON-SEA
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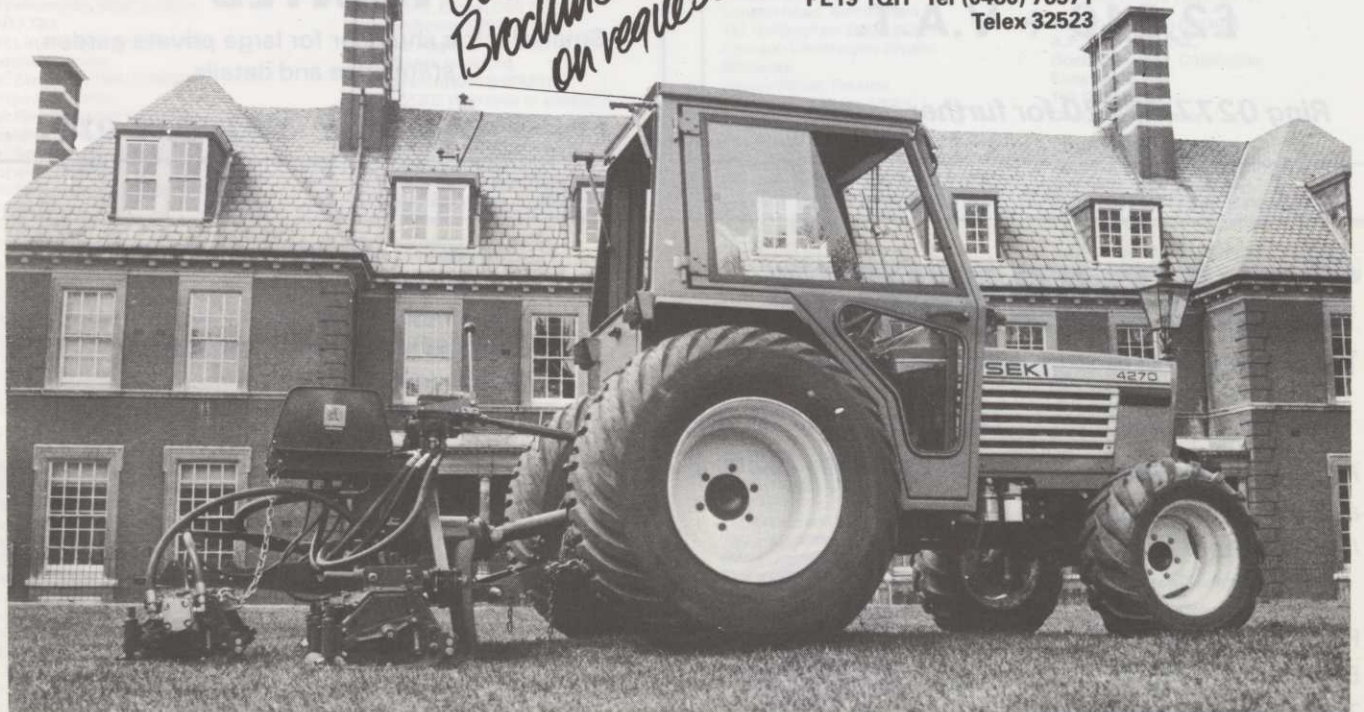
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Used **RANSOMES HAHN triplex greens mower c/w tournament and verticutting reels and trailer.**
Very good condition.

£2,240 + V.A.T.

Ring 0277 73720 for further details.

Cherwell District Council

First Assistant Greenkeeper

**Wage £82.40 per week plus Bonus
to a maximum of £42**

Because of a change in circumstances we are re-advertising this new job on the Council's Cherwell Edge Golf Course. The 9 hole course, opened in the spring of 1980 is currently being extended to 18 holes and is due to be completed by spring 1985. You will have a good general education and must hold the Institute of Groundsmanship Certificate, City and Guilds Fine Turf Culture or any other relevant qualification, plus a minimum of seven years experience as an Assistant Greenkeeper.

You will need to work on your own initiative and have a thorough knowledge of golf course machinery and fertilisers and weed killers. You will also need to know the rules and etiquette of golf and some supervisory experience will be desirable.

Assistance with housing will be considered for a suitable married applicant.

If you are interested in the job, telephone Ian North on Banbury 52535 extension 175 for an application form and job description. Closing date two weeks from appearance of this advertisement.

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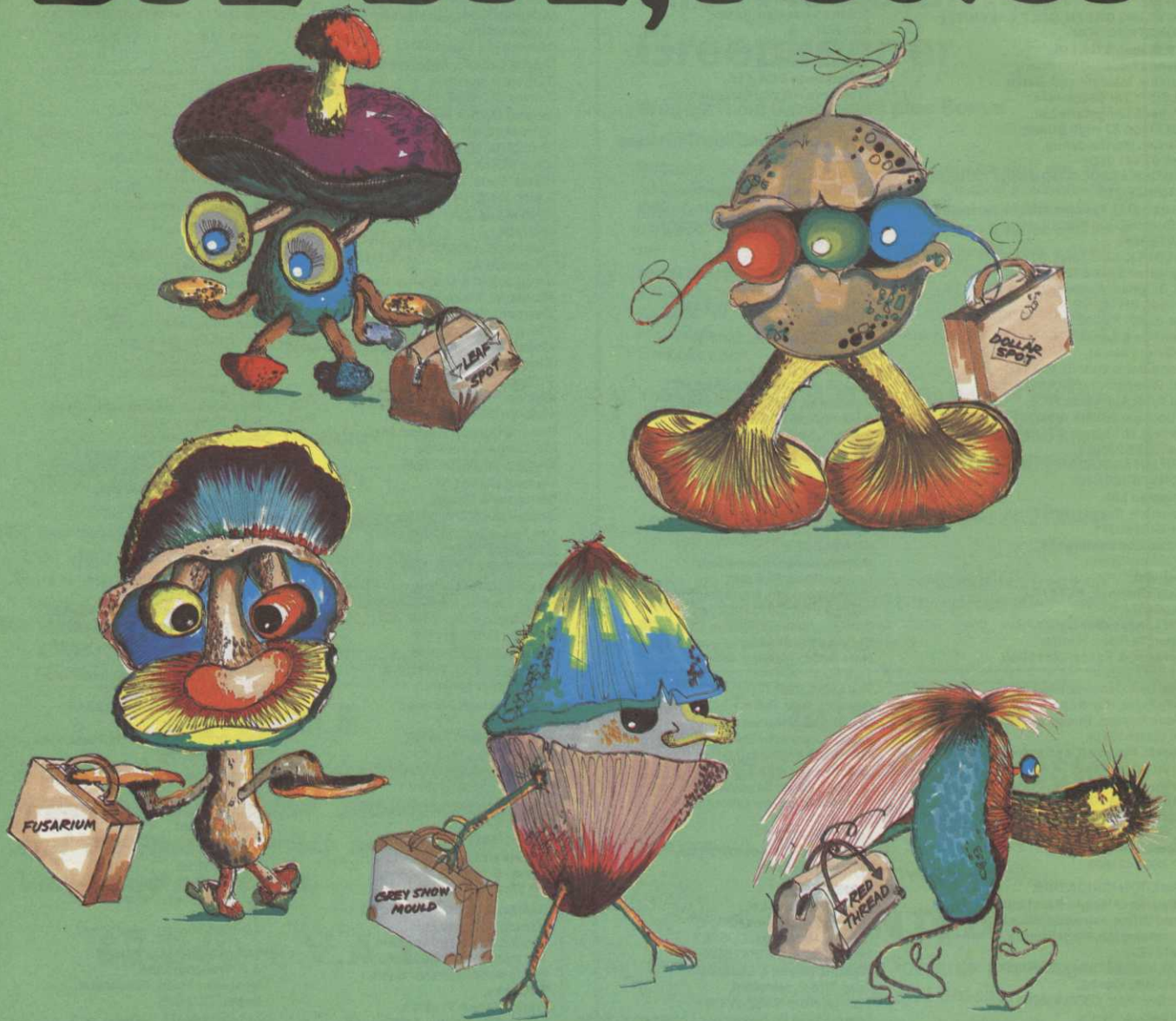
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