

MAY 1984

Greenkeeper



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



Turfland

PROFESSIONAL EQUIPMENT

Now the **TRIPLEX 171** gives you an even better finish on the green



Ask your Ransomes dealer to show you the **New Triplex 171 Mark 2**, you'll immediately see changes we know you'll appreciate.

The new **Greens Cutting Units** give you an even finer finish—whatever the conditions. The smooth flow of grass from the cylinder, makes the Triplex cleaner in operation—cleaner than any greens machine you have ever handled. The grasscatchers are just that bit wider to give you excellent collection. Even the adjustments are more simple and more positive to set.

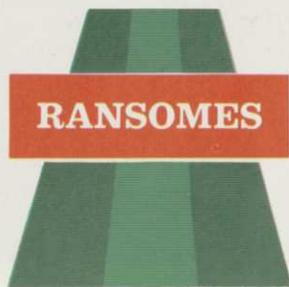
With its low centre of gravity, the Triplex has always performed well on slopes. Now increased ground clearance at the rear of the chassis makes manoeuvring on bank bordered greens easier than ever before.

With just one machine, you can cut 18 greens in under four hours, giving you the kind of

finish your golf course deserves—the very best. Yet the Triplex 171 is one of the most competitively priced greens cutting machines on the market.

It all adds up to make the Triplex a better investment than ever.

Optional accessories available to mow tees and green surrounds, verticut and spike—all fitted in just a matter of seconds.



Ransomes Grass Machinery
Ransomes Sims & Jefferies PLC, Ipswich IP3 9QG
Telephone: Ipswich (0473) 712222. Telex: 98174

Ransomes build mowers as carefully as you choose them.

This Issue

MAY 1984

The front cover illustrates the Brouwer 7 Gang Mower which has an operating width of 192", slimming down to 89" in transport position, 3 and 5 Gang units are also available, again combining strength and reliability. The mowers do not depend upon wheel traction for drive and are therefore ideal for use in our British climate. Reel speeds are variable and independent of travel speed, the unique 'V' belt drive ensuring the finest possible finish. The complete range of Brouwer Mowers are extremely economical to acquire, the initial outlay being easily returned by the mowers excellent cutting efficiency and low maintenance costs. They are available in standard or hydraulic lift, the 7 Gang Standard costing £7871.00 + VAT.

For further information on Brouwer Mowers and the complete range of Brouwer equipment contact: Turfland Professional Equipment, Red House Farm, Barker's Hollow Road, Dutton, Warrington, Cheshire, WA4 4LL. Tel: 4 Lines - (09286) 340, 261, 336 & 272.

NEWS & VIEWS	4
EIGGA's AGM, board of management changes, chairman's address and <i>Golf Course '84</i> tournament results	
EIGGA WAGE SCALES	6
Wages and conditions of employment— for your reference	
NEWS & VIEWS	7
The SIGGA Leader and West Section report	
EVERYTHING YOU HAVE EVER WANTED TO KNOW ABOUT GOLF COURSES!	10
Full coverage of <i>Golf Course '84</i>	
REFLECTIONS FROM THE BRIDGE OF SIGHS	22
Jim Arthur's view of the happenings at Trinity Hall, Cambridge	
NOTEBOOK	26
What's been going on...	
APPOINTMENTS	33
BUYERS' GUIDE	35

Publisher: A. Quick & Co Ltd
Managing Director: Michael Coffey
Editor: Robin Stewart
Advertisement Manager: Kay Moss
Contributors: Jim Arthur, John Campbell, Jack McMillan, Eddie Park, Donald Steel and Walter Woods

All advertising matter, editorial copy and correspondence should be sent to: *Greenkeeper*, 121-123 High Street, Dovercourt, Harwich, Essex CO12 3AP. Tel: 025 55 7526

Subscription rates:
UK—£12 Continent and USA—£20 Eire—IR £17.50

Greenkeeper is published ten times a year. Printed in England by J.B. Offset, Marks Tey, Colchester, Essex.
Copyright: A. Quick & Co Ltd 1984

GOLF COURSE ADVISORY AND CONSULTANCY SERVICE



John Campbell
Golf Course Consultant
59 Magna Road

TURF PROBLEMS

A technical advisory service is offered to deal with turf problems and raise the standards of course upkeep.

Inspection tour made of the course and a detailed report prepared for future guidance.

COURSE ALTERATIONS

Advice given on course alterations and the remodelling of greens, tees and bunkers to improve the general playing conditions and facilitate more economical course maintenance.

BUNKERS

Many courses are over-bunkered and such hazards involve a lot of labour to keep them tidy — topping them up with sand is also expensive. Course surveys can be carried out to advise on bunker strategy and eliminate those that are out of play.

Full details of this personal advisory service can be obtained by contacting:

John Campbell
Golf Course Consultant
59 Magna Road
Englefield Green
Egham
Surrey
Tel. Egham 37064



Board Of Management Changes

At EIGGA's second annual general meeting, held at Trinity Hall, Cambridge on the Sunday of *Golf Course '84*, a new board of management took office and elected Peter Wisbey chairman.

General administrator Danielle Jones reported that there were currently over 760 in the association and that membership was still increasing. The association's finances are in a very healthy state.

The meeting finalised subscription rates for 1985, which will be:

Full member—£18.

Apprentice —£12.

Trade —£20.

Retiring chairman Kevin Munt advised the meeting that a new comprehensive educational programme to course manager level was being prepared and full details would be published before the start of the new academic year in September.

It is also hoped discussions between EIGGA, SIGGA and the BGGGA will have some bearing on future educational opportunities.

EIGGA Appointments

PRESIDENT

Jack McMillan

Sunningdale GC

TRUSTEES

Michael Coffey

David Jones

Hugh MacGillivray

Greenkeeper

Ipswich GC

Worthing GC

CHAIRMAN

Peter Wisbey

North Foreland GC

representing Kent and Sussex

BOARD MEMBERS

Bob Moreton

David MacIndoe

Bruce Jamieson

Bill Lawson

The Berkshire
representing Surrey

West Herts GC

representing London

Royal Porthcawl GC

representing South Wales

Heswall GC

representing North West

East Anglia representative to be named

EIGGA Chairman's Address

My name is Peter Wisbey. I am course manager of North Foreland Golf Club, Kingsgate in Kent, which is a busy, 36-hole downland course and the venue

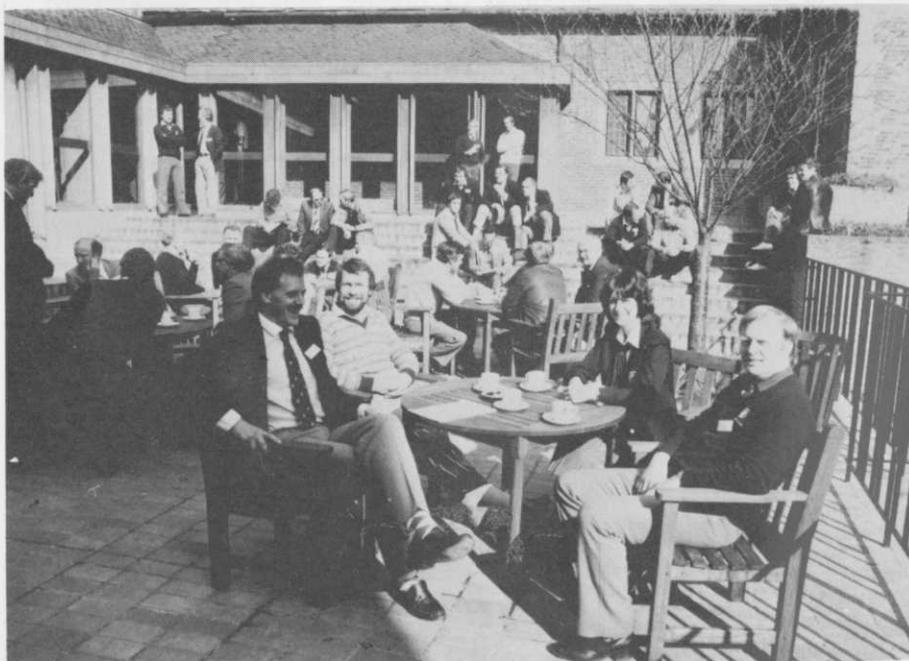
for one of the qualifying rounds of the Open in 1981 and again in 1985.

I have been in greenkeeping for 18 years and am proud to have been a member of EIGGA since its inception. For the past year, I have been a member of the board of management and following the AGM at *Golf Course '84* have been honoured to accept the position of chairman for the next year.

I am taking over this position from Kevin Munt, a founder member of EIGGA, who gave so much of his time and energy to help EIGGA through the first 18 months. I should like to take this opportunity to express our grateful thanks for all his efforts and wish him every success in his new post at Hankley Common GC.

Our main aim is to improve education and it is the intention of the board to invite principals from several of the foremost horticultural colleges to attend a future board meeting to exchange ideas on the best ways of promoting greenkeeping education.

Already in the past year, thanks mainly to the efforts of Clive Dryden and the Sussex branch in conjunction with Plumpton College, a block-release phase two City and Guilds course will be available from September and a phase three greenkeeping management course has been arranged.



Informally yours... Kevin Munt (left), who has handed over the chairmanship of EIGGA to Peter Wisbey (second left). EIGGA's general administrator Danielle Jones and association trustee David Jones are also pictured.

As members will know, EIGGA has recently attended meetings with SIGGA and the BGGGA in an attempt to find common ground in educating our members. We will keep you informed of developments.

I would like to mention the great success of *Golf Course '84*. It was the first time the different organisations involved in the golf industry have come together to exchange views and ideas. Criticism was levelled at the cost of attending *Golf Course '84*, but it was aimed at course managers and head greenkeepers.

It was good to see a large number of those attending wearing EIGGA blazers and ties.

It is the intention of EIGGA to arrange various one-day seminars for younger members at venues around the country in the near future.

A list of the board of management for the next year is shown. If you have any ideas or criticisms, do not hesitate to contact your area representative. It is, after all, your association.

We endorse the Surrey branch's comment that members should ask themselves not only, 'What can EIGGA do for me?' But, 'What can I do for EIGGA?' It is only by the full participation of the membership that the association can flourish and achieve its goals.

EIGGA Tournament Prizewinners at Gog Magog GC, Cambridge

1st	John Walsh	31 pts (Parkers)
2nd	David Low	31 pts "
3rd	David MacIndoe	29 pts "
4th	Doug Neville	28 pts (Ransomes)
5th	Michael Peters	26 pts (Lely Import)
6th	Steve Richardson	26 pts (Sisis)
7th	Jimmy Jay	25 pts "
8th	Dennis Ayling	25 pts "
Last-but-one	Bruce Jamieson	(<i>Golf Course '84</i> tankard)
Last	Barry Beckett	(<i>Golf Course '84</i> tankard)
Trade prize	Michael Coffey	29 pts (Rosebowl and Huxley's flask)
Guest prize	G. Turner, captain of Gog Magog GC	32 pts (Carriage clock)
Retiring chairman Kevin Munt signed book		



Management Of Different Types Of Course was the topic of Lawrence Pithie's EIGGA talk at *Golf Course '84*. Lawrence is the course manager at Minchinhampton Golf Club.

SAVE £15 WITH JUST ONE FINGER

LAWCO LINE IT LINE MARKING SYSTEM

This lightweight 2" lining unit is ideal for the fast marking of most surfaces inside or outside, such as parking areas, no-trolley zones, ground under repair marking, spectator areas.

- ★ Easy to use.
- ★ Rugged construction.
- ★ Fast drying paint.
- ★ Each can lines upto 250ft.
- ★ Free lining paint.
- ★ Yellow or white line paint.

Lawtons Limited, 60 Vauxhall Road, Liverpool, L69 3AU.

SPECIAL OFFER

THE LAWCO 2 INCH
LINE IT MARKING
SYSTEM

Phone us now for full
details of our special
offer.



051-227 1212
Extension 218

LINK MATTING

AVAILABLE IN:

RUBBER/POLYESTER
POLYURETHANE/POLYESTER
P.V.C./POLYESTER
P.V.C./HARD COTTON DUCK
IN VARIOUS COLOURS

FOR USE IN INDUSTRY, THE HOME, SPORTS & LEISURE

TELEPHONE: (0742) 29508 FOR DETAILS

NED JOHNSON

163, Gibraltar Street, Sheffield S3 8UF.

EIGGA WAGE SCALES

A meeting of the English And International Golf Greenkeepers' Association, held at *Golf Course '84*, proposed the following wage scales:

Course Manager/Head Greenkeeper

This is a prestigious position within the golf club's framework, with the course manager/head greenkeeper responsible for standards of course presentation, sound management of the greens staff and the efficient use and maintenance of machinery and materials. Because of variables within this position, due to the status of the golf club concerned, the staff levels and the degree of autonomy that can be exercised by the course manager/head greenkeeper, no absolute recommendation can be given on salaries. However, under current trends, a golf club of reasonable status would be required to pay a minimum of £9,500 per annum to attract and hold a course manager/head greenkeeper skilled in his profession—eg, the holder of an EIGGA diploma. As with other managerial posts, the following gratuities can now be attributed to this position: accommodation or financial allowances for same; catering allowances; company vehicle (for on and off road work); pension schemes and status within the club for golfing events.

Deputy Course Manager/Head Greenkeeper

This position is an important part of the course management team and is utilized by golf clubs wishing to retain good personnel who are capable of adopting a continuity of policy should the senior position at the club become vacant. For diploma-holding deputy course managers/head greenkeepers, a commencing salary from £7,500.

Craftsman Greenkeeper

Personnel holding one or more EIGGA diplomas gained through educational qualifications or length of service. A commencing wage from £6,500.

Greenkeeper Trainees

The standard of intake is of the utmost importance, due to high training costs. A commencing wage from £3,000.

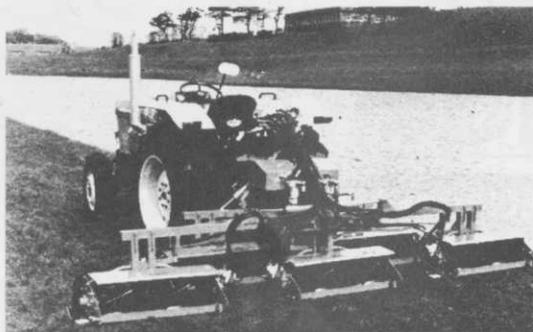
EIGGA Diplomas

EIGGA diplomas are based on either educational qualifications or length of service and can be applied for by all EIGGA members, providing they fulfil the necessary requirements laid down in the constitution. The diplomas are: head greenkeeper status—gold, silver and bronze; assistant greenkeeper status—silver and bronze. The guidelines for application are to be found in the EIGGA constitution—a copy of which is held by every member.

Basic Conditions Of Employment

40-hour working week. Basic overtime rate—time and a half. Overtime on Saturdays—time and a half. Overtime on Sundays—double time. Four weeks annual holiday plus statutory days.

GREENS ~ the power in mowers since 1855 proudly present



The Greens/Hinomoto Hy-Ranger® Tractor Mounted Hydraulically Lifted Gang Mower, Ground or Hydraulically Driven

The Quintuple unit Hy-Ranger has a 10' (3606mm) cut, giving quick efficient mowing. You have a choice of 5 or 8 blade cutting units to give either regular or superfine cut. The operating controls are sheer simplicity. The Hy-Ranger is raised or lowered hydraulically by a lever operated from the driver's seat.

Find out more from:



Greens/Hinomoto, Arbroath, Scotland.

Telephone: (0241) 73841. Telex: 76559.



News & Views

The SIGGA Leader

The SIGGA AGM took place in Edinburgh on March 27. The following officials were elected. President—J.W.Neilson, Murrayfield Golf Club, Edinburgh; vice-president—W.Woods, links supervisor at St Andrews.

The meeting agreed that subscriptions for 1985 will be £14 and that part of the extra revenue raised from the increase in subs will be earmarked to set up an educational and training fund within SIGGA.

The recommended wage scale for 1985 will be based on the inflation rate as at August 31 this year plus one per cent. The percentage figure of subs to be sent to the central executive will be increased from a quarter to a third.

Resolutions proposed by the North Section, with one exception, were defeated. The principal motion by the North to have proxy votes at meetings produced some lively exchanges, but failed to obtain the required majority.

However, a motion limiting the powers of the executive to impose certain standards of dress at section and local golf events was accepted.

The annual match between SIGGA and the Association of Club Secretaries for the Gillies And Henderson Trophy took place at Gullane Golf Club on Monday April 2. A splendid day of good golf, good weather and good company was enjoyed by all. The match result was a win for SIGGA by 5½ games to 2½. I thank the secretary and management at Gullane for kindly providing an excellent venue and Tom Watt and his greens staff for presenting the course in such excellent condition.

Joe McKean, General Secretary.

The year seems to be rushing on so quickly and a star prize should go to anyone who can forecast a pattern to the weather, writes *Jimmy Paton, West Section chairman and head greenkeeper at West Kilbride*. At my own course recently, we started work in cold, windy conditions and after half an hour we were graced with a severe snow shower. Next, the sun came out and the temperature rose considerably to the middle 60s. Then, later in the day, we had a hailstorm. Nevertheless, my members wanted to start their spring competitions the next morning. What must the poor grass be thinking? It doesn't know what to do. However, life must go on.

The West Section AGM was held recently at Cawder Golf Club and we thank the club for the facilities afforded us. The meeting was interesting, following so soon after one in October. This allowed us to carry forward to the national AGM some of the proposals discussed in October.

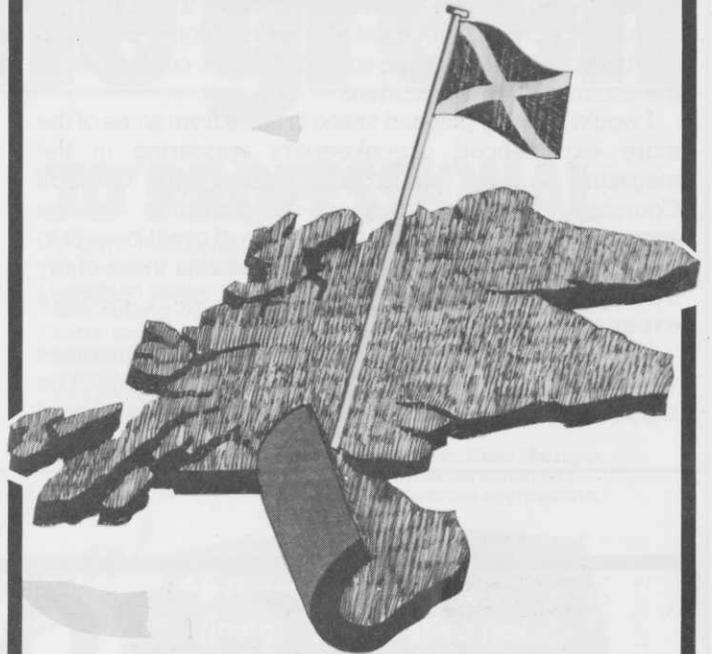
Something that saddened me was one young man's

Continued overleaf...

New Members Of SIGGA

A. Garono 21 Phingask Road, Fraserburgh
A. Grant 46 Victoria Street, Fraserburgh

we're covering Scotland



with
Rolawn
PROFESSIONALLY CULTIVATED TURF

Full details from:

STEWARTS

TURFCULTURE

Stewart & Co. Seedsmen Ltd.
Stronghold Works Mayfield Industrial Estate
Dalkeith EH22 4BZ
Telephone: 031-663 6617/8/9
24-hour answering service.



News & Views Continued...

belief that SIGGA does nothing for him. While we can provide some services for members—such as a magazine, recommended wage scales, lectures, golf outings and other social events—to get anything from SIGGA, you have to put something in by supporting and participating in events.

It is no use just sending in the subscription each year and sitting back and saying you get nothing for it. Neither is it any good sitting back and calling me and the committee all the names under the sun! We try to organise a broad spectrum of lectures and social events, but if you don't agree and would like something else, contact me or the committee with your ideas.

I would be very pleased to see articles from some of the more experienced greenkeepers appearing in the magazine. I heard an excellent talk—Trees On Golf Courses—by Cecil George at our Langside College seminar last year and such lectures are of great benefit to the young people in greenkeeping and also those of my own age, who can only benefit from other people's experiences.

The SISIS Greenkeepers/Green Convenors Foursomes was played once again over the West Kilbride links. The biggest turnout in the three years it has been played

A Point To Ponder

With all the talk on the demerit of the phosphatic contents in fine turf fertilisers, I welcome the opportunity to throw in this idea for your discussion.

As we all know, there is an insoluble, in water, content in all phosphur—this will vary from one fertiliser to another depending on the original source of the phosphur—for example, bone meal, Superphosphate, etc.

Could it be that this insoluble phosphur content is starting to become too prevalent in areas where it has been applied over a period of years, thereby having an adverse affect on the soil and, consequently, the turf?

Possibly a bit of research in this connection would allay this opinion or, if it is found to be the case, what measures could be taken to neutralise the effects of this static phosphur content?

Well, what do you think?

*Craig Stewart, Course Manager,
Stirling Golf Club.*

enjoyed the best weather for many weeks. West Kilbride GC must be thanked for the courtesy of the course.

The winners were the Hilton Park pairing of Bob McDougall and greens convener Ian Ferguson. They received the trophy and some beautiful crystal from Keith Vertigan and Ian McKay who represented SISIS. The winning score was a net 65. Thanks again to SISIS.

AGROSOKE



In Defence of Healthy Turf. 6—Good Reasons for using Agrosoke.

- ★ Reduces watering need, prevents over-watering.
Benefit Helps in the prevention of thatch development — Saves water cost and Labour costs.
- ★ Water stored. Released on demand to plant.
Benefit Helps avoid scorch and dry out during hot and dry weather conditions. Saves labour cost of daily watering. Helps to speedily establish grass from seed.
- ★ Speeds Root development and Growth.
Benefit Speedier establishment and recovery of grasses.
- ★ Absorbs 30 times its own volume of water.
Benefit Expansion improves soil aeration.
- ★ Non Degradable.
Benefit Economic, no residues to harbour disease.
- ★ Non Toxic and Safe.
Benefit Harmless to Humans and Animals.

For further information or to request a visit: Tel: (04955) 52121

or write: Agricultural Discoveries,
Discovery House, Mamhilad Park Estate,
Pontypool, Gwent, NP4 0HZ.

TORO®

the best on and off the green

GREENSMASTER 3

The all-hydraulic Greensmaster is the first choice for quality mowing. TORO's height-of-cut adjustment method provides perfectly matched finish while the unique way the grass boxes are mounted ensures a constant height-of-cut regardless of the weight of the grass collected. Totally reliable hydraulic smooth-action traction drive; no belts, chains, clutches or drive cables. The only triplex mower in the world with identical, interchangeable cutting units.

That's why TORO Greensmaster 3 is the outstanding greens-mower of our time.

70" PROFESSIONAL

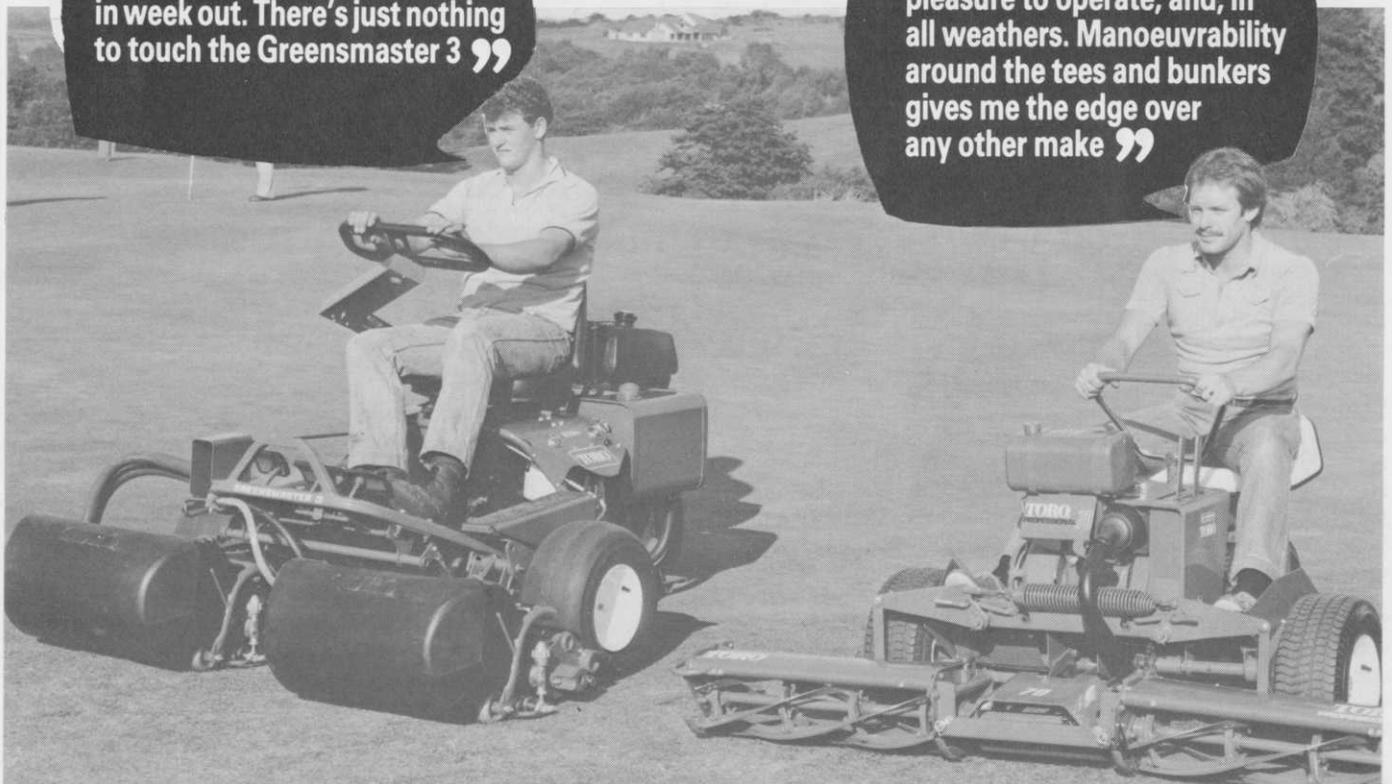
The 70" Professional combines light-weight construction with a reliable and economic power supply for optimum power-to-weight ratio which ensures consistent cutting of dense grass growth even on slopes. Extra low centres of gravity ensures positive traction and unequalled stability on slopes while rear-wheel steering gives outstanding manoeuvrability. Marking and compaction are avoided by the use of low pressure turf tyres.

Give Graham Dale, Sales Manager a call and immediate action will be taken for you to see any machine.

“This exceptional mower is kind to the most sensitive of greens and you're assured of impeccable performance week in week out. There's just nothing to touch the Greensmaster 3”

Have a round on us now!

“Outstanding triplex riding mower that's a real pleasure to operate, and, in all weathers. Manoeuvrability around the tees and bunkers gives me the edge over any other make”



Everything you have ever wanted to know about golf courses!



Delegates relax on the sun terrace between lecture sessions.

**An unrivalled array of golf course management
expertise gathered together to present
Golf Course '84 at Cambridge last month.
Report by Robin Stewart and John Campbell.
Photos by John Campbell and David Jones.**

TRINITY HALL proved an ideal venue for *Golf Course '84*—the architectural antiquity and tranquility of this venerable seat of learning provided the right kind of background and created a highly favourable impression on some 200 delegates from around the world.

A welcome spell of spring sunshine blessed the occasion. The choice of speakers, high quality presentations, excellent catering and dormitory facilities all combined to make the occasion a rich educational and entertaining experience.

One of the benefits gained from such meetings is the mutual exchange of views and information and also the friendships

that are established outside the conference room.

The general sessions programme attained an extremely impressive high standard of presentation. Speakers had been carefully selected to cover a wide variety of subjects and audience participation at the question and answer sessions was often the most important and interesting part of each discourse.

DAY ONE

Golf course architect and writer Donald Steel gave an excellent talk on The

Architect's Relationship With Other Aspects Of The Game. He stressed the need not to create courses that are laid out purely as a test of muscle. Courses of 7,000 yards plus, built for big hitters, don't contribute much to the finesse and strategy of golf, he said.

Length is no measure of quality and it is the brief of the course designer to preserve all aspects of the game by creating courses which, according to Tom Simpson, "Will provide entertainment for golfers of all handicaps, a searching and difficult test for the good player and quite another less exacting one for the medium and long handicap man.

Steel added that, "The element of ball control is an important part of the game nowadays and better greenkeeping standards in recent years have had quite a lot to do with low scoring. In major events, fast greens are what test the players and they are the kind of playing conditions that require skilled preparation by an experienced greenkeeper."

"It has always been Peter Thomson's view that we should not 'trick up' our championship courses to try and make them more difficult and prevent low scoring and I agree with him," Donald said.

Constantly changing committees are the bugbear of golf clubs and Donald Steel would like to see the running of the course vested in the hands of an experienced course manager who would maintain continuity of planning and a long term programme for the good of the course. "Golfers in Britain expect miracles from the greenkeeping staff, but are unwilling to pay for them," he concluded.

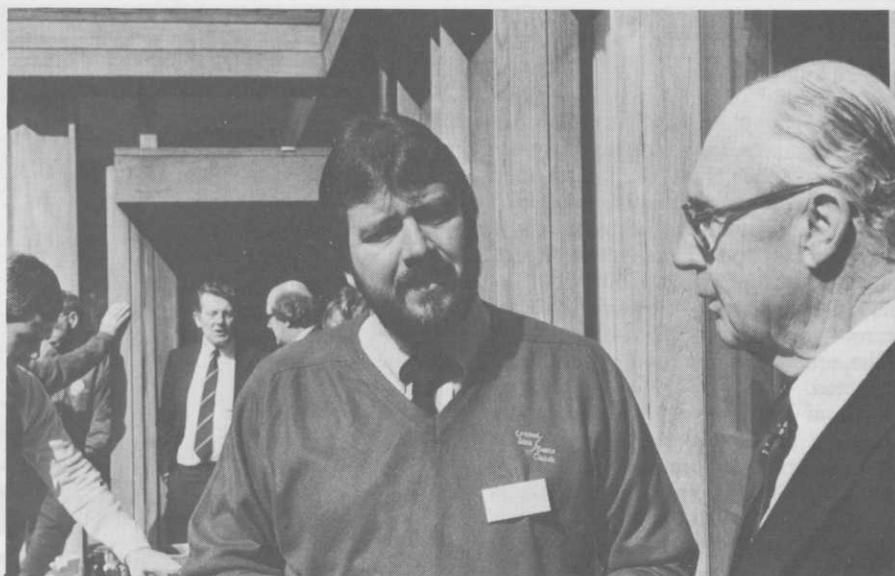
It was also interesting to hear Donald Harradine's views on golf course development on the Continent. As a course designer based in Switzerland, he is recognised as one of the leading designers in Europe and over the years he has built many fine courses, which are a tribute to his natural genius. Modestly, he maintains he is the poor man's golf course architect as many clubs have only limited funds.

In 1968, he founded the International Greenkeepers' Association with the object of raising the status of greenkeeping, promoting lectures and educational conferences and bringing greenkeepers together for mutual discussion and exchanges of ideas. Tribute must be paid to Donald Harradine and his wife Babette, secretary of the association, for its success. Both are skilled linguists and produce a technical magazine in several languages.

"Most of those who belong to our association do not receive any encouragement from their clubs to attend meetings and generally have to find all their expenses," Donald Harradine said. "Golf club officials in Europe show a lack of interest in the affairs of greenkeeping and some regard it as a subterfuge for obtaining higher wages. It is not easy to get experienced golf greenkeepers for new courses and most of those who apply for such jobs are usually gardeners who, generally, do not make good greenkeepers."

"I would like to see a greenkeeper training exchange scheme between golf clubs in Europe and Britain. This would be excellent experience for young apprentices on both sides and is something I think we must look to for the future."

The history of the golf course architect was reviewed by Geoffrey Cornish, who is one of America's leading course designers. His presentation described the start of the profession and the gradual evolution of golf course design. He has designed courses in many parts of the world and is a prolific author.



American superintendent Dan Pierson renewed his acquaintance with fellow countryman and golf course architect Geoffrey Cornish.

DAY TWO

Friday opened with Vivian Auer, chairman of the British Turf Irrigation Association, introducing the general session on irrigation. He said that the design and layout of automatic systems had very much improved since the early 1960s when they were first introduced here from the USA.

He pointed out that golf clubs should be aware of the minimum regulations laid down by his association for the installation of an efficient automatic watering system and that the anticipated life of most was between ten and 15 years.

Martyn Jones talked about the management of irrigation systems and how to obtain the best results. He explained the importance of being aware of the problems of overwatering and illustrated how a soil's nature has a great influence on water application rates.

"Experience and local knowledge are important factors in knowing when and how much water to apply to keep the turf in healthy condition. A good watering programme should allow grasses to stress

themselves, encouraging deeper rooting and discouraging poa annua," he said.

Andrew Lawrence of Weir Pumps discussed pumping systems for irrigation and, with simple diagrams, showed how the output and performance of any pump can be calculated.

Jim Webb from the Severn Trent Water Authority explained the authority's view of golf course irrigation systems and the complexity of some water byelaws, set up to prevent undue consumption and misuse. He said that many clubs pump water from boreholes on the course, but they have to pay for a licence to abstract water from their local authority and the amount used has to be metered to ensure that regulations are adhered to.

Dr Jim Watson for the USGA Green Section chose The Past, Present And Future Of Turfgrass Irrigation as the subject of his lecture. He recalled how agricultural systems were adapted for golf course use in the 1930s, which was about the time the first pop-up rotary systems were designed for the sports turf industry.

"Automatic systems came into vogue in the 1950s and this was the beginning of an

Continued overleaf...



Donald Harradine (left) of the International Greenkeepers' Association discussed the European scene with John Wilson of Ransomes.

GOLF COURSE '84 CONTINUED

era of automation in water management for golf courses," he said. "Irrigation systems will become more sophisticated and computers will play a major role in many aspects of golf course management. Moisture sensors will be built into the automatic irrigation systems of the future—we are moving from art to science in the upkeep of our golf courses," he predicted.

Graham Carson of Wavin Plastics discussed pipework and, in particular, fittings for irrigation systems.

Dr Bill Adams from the University of Aberystwyth spoke on sand technology in golf and showed how having the right sand particle size is important to good drainage.

He was followed by Rolf Lowgren of the Swedish Golf Federation who gave an illustrated presentation on the problems of course construction and maintenance in his native country. Rolf's commentary was



Rolf Lowgren revealed that interest in golf was growing in Sweden. He represented his country's Golf Federation at *Golf Course '84*.

placed with humorous accounts of his experiences as a golf course consultant, revealing that his major problem is finding experienced labour for construction jobs.

DAY THREE

Saturday morning saw the first participation by a greenkeeper association at *Golf Course '84*. Joe McKean, secretary of the Scottish And International Golf Greenkeepers' Association, opened his association's programme by introducing Walter Woods, links supervisor at St Andrews. Walter's paper, on the origins of St Andrews, provided a fascinating insight into The Home Of Golf—especially to the many overseas visitors.

With his customary dry sense of humour, Walter said: "My second Open comes up in July, so I don't like to talk about maintenance in case it puts a curse on me." Walter's programme was backed up by slides of the Old Course, one of which showed Keith Mackenzie's son, who is interested in greenkeeping, working out on the course.

The problems that go with the volume of traffic over the St Andrews links were best illustrated by Walter's quote that: "In the summer, virtually nothing, except the

Continued on page 14...



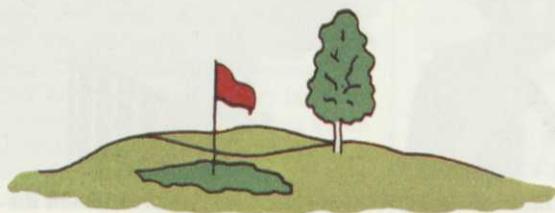
The trade Press was well represented at Cambridge. Alan Guthrie (left), editor of *Parks And Sportsgrounds*, is pictured with Dr Jim Watson, who gave two excellent lectures over the weekend.

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

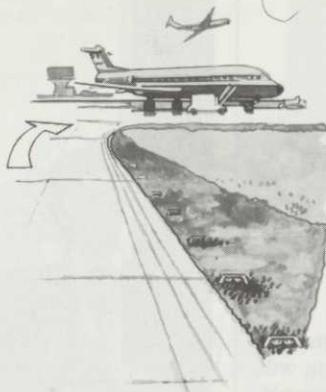
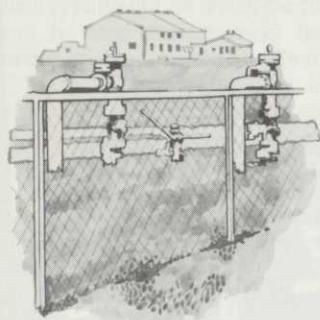
GOLF LANDSCAPES LTD.

ASHWELLS ROAD
BENTLEY, BRENTWOOD
ESSEX CM15 9SR.

Coxtie Green (0277) 73720

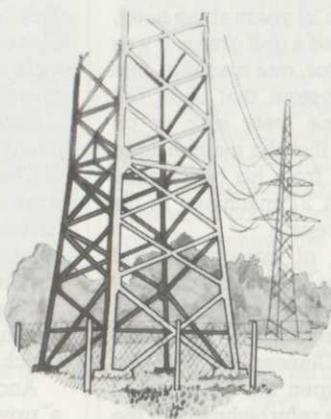


The proven experience in the field



MOWCHEM

MOW LESS!



Up to eight weeks free from mowing whilst ensuring that the grass root system remains strong and healthy!

This the *new* standard of grass growth control that you can achieve with Mowchem. Where mowing is difficult or where a high level of maintenance is necessary, one simple spray of Mowchem can save many

hours of labour which can be used to do other essential work.

Ask your May & Baker distributor for more details or contact us direct: Telephone 0277 230522 and ask for Environmental Products Department. We will even help you with a detailed cost-benefit comparison on your own operations.

THE NEW-GENERATION GRASS GROWTH REGULATOR THAT CUTS THE COST OF MAINTENANCE RIGHT DOWN!

New from

M&B May & Baker

NOW AVAILABLE IN 1 LITRE EASY MEASURE DISPENSER

Mowchem has clearance for application to a limited acreage under the Pesticides Safety Precautions Scheme. Mowchem is a trade mark of May & Baker.

GOLF COURSE '84 CONTINUED

traditional Sunday close-down, stops the golfers playing. I can spend ten hours at work and two hours in church praying for rain!"

He believes the St Andrews irrigation system is among the best in the world (it's wall-to-wall on the Old Course, while some tees and fairways on the other courses have automatic systems), although he expects that the system will have to be upgraded in the foreseeable future.

Perhaps his most apposite comment was that everyone at St Andrews is keen to keep tradition to the fore and that playing, on the Old Course especially, should never become out of the reach of everyday golfers.

Following Walter Woods' insight into a local authority controlled links, with all-year-round play and a tradition of major championships, came Jimmy Kidd, who has been the course manager at the Gleneagles Hotel for just a year.

Gleneagles is, of course, a commercial operation and the running of the hotel complex and four golf courses is geared to profit. Jimmy highlighted some of the problems that Gleneagles went through in the mid-1970s. "The best thing that ever happened to Gleneagles was British Rail selling out," he said.

Throughout the previous decade, and before, demarcation between the various unions had been a major problem. For instance, the head gardener and head greenkeeper were never allowed to cross over into each other's territory. When the Glendevon Course was built, the head greenkeeper and pro were told not to go near the construction—hence the course was finished late and cost double the estimate. Greens on the Glendevon are still being renovated some eight years later.



The Scots were headed by Joe McKean.



SIGGA speakers Jimmy Kidd, Walter Woods, Chris Kennedy and Alan McDougall deserved the highest praise for the content and presentation of their papers.

Another example of Gleneagles' facilities and potential not being used to the full was seen with Jimmy's slide of a bowling green in the hotel's shadow. It is due to re-open in June, having been dormant for 14 years largely due to the lines of union demarcation.

Training, too, was almost non-existent. One greenkeeper, in 26 years at the hotel, had never constructed a golf green. It was a case of one operator, one machine, one man, one job—a system that soon fell apart when someone went sick or on holiday. Jimmy said that the maintenance fitter once returned from his two weeks annual leave to find 21 machines in his workshop awaiting repair!

After the group of companies and institutions had put up £13m to purchase 69 per cent of the shares (British Transport Hotels retained the remainder), cash was soon injected into Gleneagles. With the brave decision to open the hotel for 12 months a year, came refurbishment of the existing facilities, a £1.6m country club and £½m conference centre.

More importantly, perhaps, for Jimmy was money for the courses and maintenance facilities. The King's Course has been extended to nearly 7,000 yards, with 11 new tees, in an attempt to attract major championships.

When Jimmy arrived at Gleneagles, he stood in despair at the general compound, which was strewn with rubbish. There were no storage facilities and poor muddy access roads. Jimmy even found it impossible at times to find expensive equipment and the staff were, naturally enough, dispirited.

Jimmy's immediate course of action was to produce a five-year plan of improvements. It was properly costed and the first phase put into action soon after with the building of a soil storage shed, new roads and landscaping. The staff got involved in the levelling, shuttering and concreting and there's now a feeling of pride about the place. A full programme of staff training is also underway.

In closing, Jimmy showed the severe

weather conditions that can hit Gleneagles at strikingly short notice. On one green, sheet ice was being tractored away—two days later, 250 games, plus caddies, were passing through the same spot.

The first day of summer saw the Sunningdale Foursomes taking place in near perfect weather. But things were very different some 400 miles north. Gleneagles had blizzards, nearby roads were closed and the hotel recorded below zero temperatures.

Such set-backs are only temporary. Jimmy is full of optimism about the future of Gleneagles. "On completion of 12 years work on the courses and hotel in the 1920s, Caledonian Railways erected a cairn in celebration. The new company has invested £4½m to date in the resurrection of Gleneagles. Maybe this year we'll see a matching cairn alongside the old one," he concluded.

Another aspect of a golf course—that of a private golf club with a fixed income from members' subscriptions—was given by Chris Kennedy, course manager at Hags Castle GC, near Glasgow and chairman of SIGGA.

Greenkeepers of his kind had to view matters in a completely different light, he said. Subscriptions of, say, £150 per annum are not sufficient to finance course upkeep. Clubs need societies and clubhouse income from the bar, gaming machines, etc. Chris, therefore, praised the work that colleges, such as Elmwood, are doing to teach budget control to youngsters.

Staying with the theme of young greenkeepers, he felt saddened that headmen, reluctantly, did not have more time to devote to those learning their craft. He felt that schemes such as YOPS were encouraging a two-tier system of workers on golf courses, which is prevalent in the States, but said that head greenkeepers in the UK should not accept this trend.

Appropriately, the last SIGGA speaker was from the 'new wave'—Alan McDougall, 26, head greenkeeper at Eastwood GC, 11 miles from Glasgow,

which has some 700 members. He said how proud he was to be involved in the industry, although he would be the first to admit he was still learning the trade. Without wishing to offend others in the hall, Alan said he wanted to heed the advice of fellow greenkeepers only.

But it was Alan's passing shot that was to prove his most controversial. "I've discussed at length the problem of annual meadow grass with Jim Arthur—a man for whom I have the utmost respect," he said. "But I would ask all of you the question: 'Is it, in fact, a bad grass or have we failed to recognise its worth?' I know that without annual meadow grass on my course, I would lose a good deal of the course to bare earth, so is it a case of any grass is better than no grass?" Alan defended his belief competently throughout a lively question and answer session.



PGA European Tour tournament director George O'Grady gave frank replies to occasionally probing questions from the audience...

What The PGA Expects From A Tournament Venue was the final session before lunch and, in the capable hands of tournament director George O'Grady, the talk proved interesting and prompted a vociferous response from the audience.

George began by outlining why the majority of clubs wanted to take a PGA European Tour event. First, there is the prestige attached and, second, the commercial spin-offs. He gave the example of one Yorkshire course that prior to hosting a tour event was taking £1,000 a year in green fees. Now, it takes £100,000 from societies and the like.

In a private survey of the tournament professionals, it has been demonstrably proven that the pros are satisfied with the conditioning of courses on the tour and that greens have generally reached a high standard. George said that everyone involved in the PGA European Tour had the highest regard and sympathy with the head greenkeepers and assistants at courses on the tour. He appreciated the brunt they often had to bear from their



club members in the time leading up to the staging of a tournament.

One greenkeeper had looked on his last legs when receiving George O'Grady on the eve of a championship. "I met him alongside the 18th green and shook hands saying: 'The 18th looks good.' The poor fellow almost broke down, replying: 'That's the first compliment I've had for months.' Fortunately, we were able to revive his spirits with shots of Hennessy!

"When you arrive at a course during the planning meeting stages, which take place in the winter, you need only really to look at the 1st fairway and 18th green to see whether or not the headman is on top of his job and willing to prepare the course for tournament play," he added. "A badly prepared course will have greenkeeping rubbish behind the tees and greens and alongside fairways, etc.

"Often a tournament's fate—in respect of the course's presentation—in the eyes of the Press is out of the hands of the greenkeeper. The emphasis in the Press seems to have switched from poor presentation of the course to the lack of practice facilities. What isn't always realised is that the usual range is given over to a tented village area or car park.

This is what happened to Chris Kennedy at Hagg's Castle during the Glasgow Classic. His practice ground was turned into a car park and the pros had to use ground at a rugby club down the road, just two weeks after a rugby sevens had been played. But Chris and his team put in a tremendous amount of effort, which the pros appreciated."

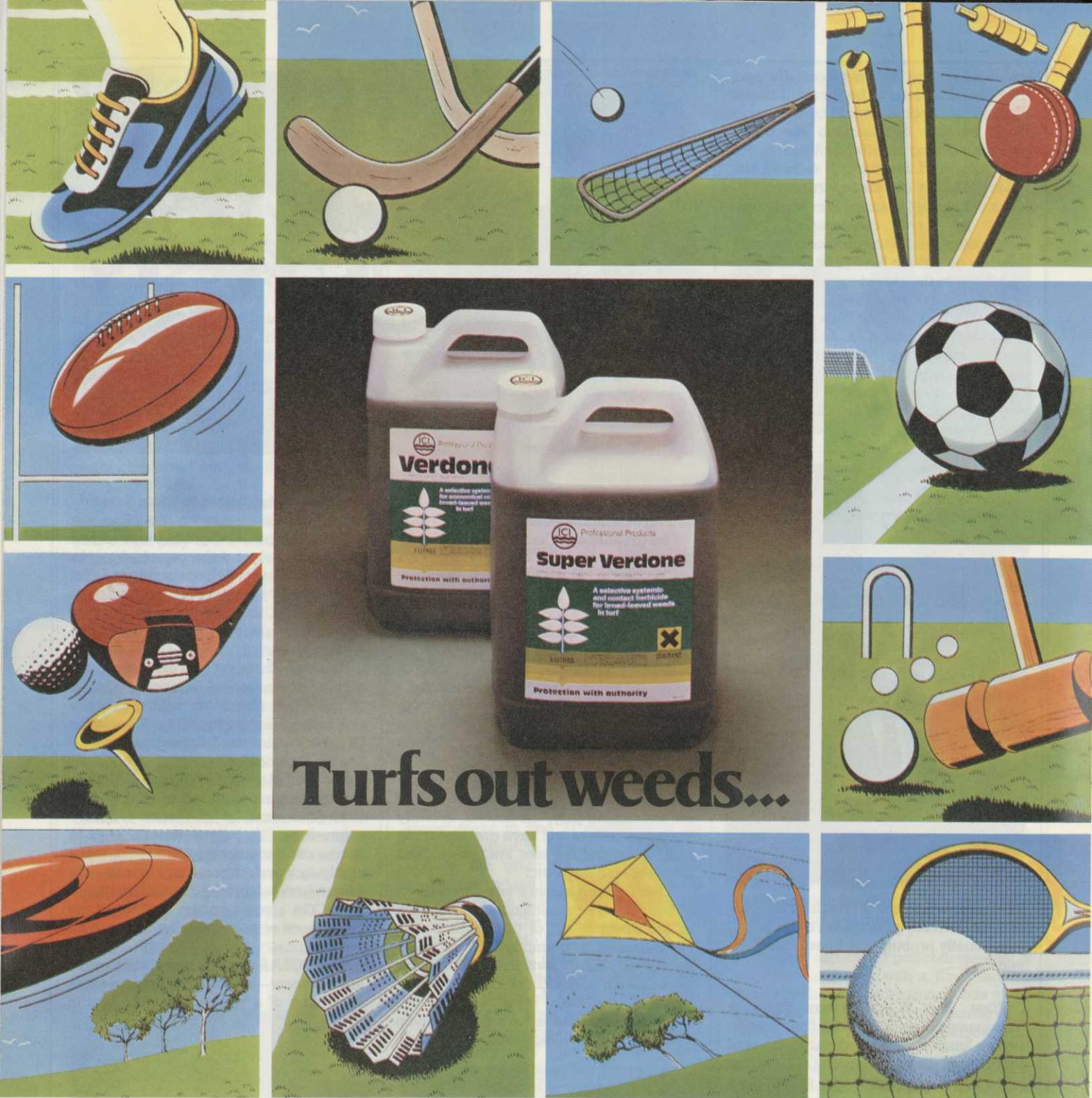
Saturday afternoon was given over to a very welcome team of Americans headed by Jim Prusa, director of education at the Golf Course Superintendents' Association Of America. Jim was followed by Stanley J. Zontek, regional director of the United States Golf Association, Bruce Williams, superintendent of the Bob O'Link Golf Club, Illinois and Dr Jim Watson of Toro.

Jim Prusa discussed the GCSAA In Action and traced its origins through to the highly successful operation it is today. He drew a parallel with the first footings taken by EIGGA a year ago and underlined the importance of promoting the image of an association.

The GCSAA's magazine—*Golf Course Management*—is, Jim confessed, seen as something of a propaganda tool by the

Continued on page 18...





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
Protection with Authority

THE PROFESSIONALS CHOICE IN GRASS MAINTENANCE EQUIPMENT



"When I say we have the finest range of compact tractors and accessories I'm speaking on behalf of the thousands of satisfied users throughout the UK. Models range from 14.5 to 65 hp, 4WD. I'm confident you'll want no other once you've had a trial under your own conditions. Give me or my colleague Mike Bendall a call, or better still why not visit us!

Colin Gregory
 Colin Gregory
 General Sales Manager

All British built grass cutting attachments

ISEKI

ENABLE YOU TO EXPERIENCE THE DIFFERENCE
 LELY ISEKI TRACTORS, STATION ROAD, ST. NEOTS, CAMBS, PE19 1QH
 Telephone (0480) 76971 Telex 32523

Please send details of ISEKI TRACTORS

TRIAL DETAILS NEAREST DEALER

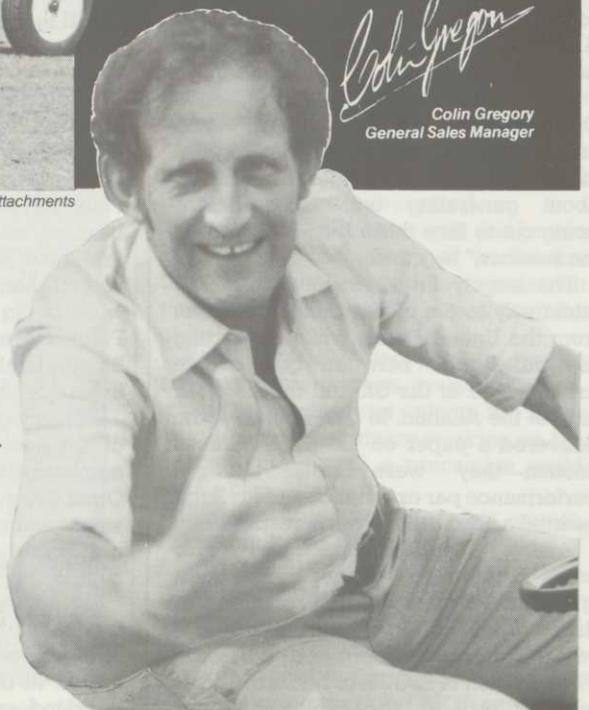
Name

Address

.....

Telephone

" See us
 at the
 Chelsea Show "
 Stand No. 13
 (Northern Road)



G/5/84

GOLF COURSE '84 CONTINUED



Jim Prusa, director of education for the GCSAA, outlined the many activities of his association, which demonstrated its professionalism.

association. It is mailed to all the Press, even those in Fleet Street, although he emphasised that any 'dirty laundry' is kept to a separate news-sheet for members' eyes only.

Today, the GCSAA can call on all forms of modern technology including widespread use of video and the GCSAA Conference And Show in Las Vegas earlier this year had computers to ease registration of the 9,000 visitors. Jim also recognises the value of traditional practices, "I was very impressed by the record-keeping Walter Woods does at St Andrews. 'I've done the same thing, in the same way, at my club for years,'" he said.

Finally, Jim detailed the GCSAA's Distinguished Service Award and encouraged our associations to recognise the achievement of their members. "It's all about generating enthusiasm before going out to face those bloody golfers in the summer," he joked.

The largely British audience listened attentively to the distinguished speakers from the United States, while respecting the differences between golf course maintenance in the UK and on the other side of the Atlantic. In Stan Zontek—who delivered a paper on the USGA Greens Section—they were treated to a performance par excellence and his light-hearted asides drew a warm response.

Zontek's performance was ably matched at a formal dinner by the guest speaker, BBC television golf commentator Bruce Critchley. During the evening, a vote of thanks was proposed by the North-West branch of EIGGA to Michael Coffey and his staff at *Greenkeeper* for the excellent organisation of *Golf Course '84*.



USGA regional director Stanley J. Zontek proved to be a larger-than-life character.



The American viewpoint was given by Dr Jim Watson, Jim Prusa, Stan Zontek and Bruce Williams—superintendent of the Bob O'Link Golf Club, Illinois. Howard Swan thanked the visitors for making the journey.

DAY FOUR

Sunday was the turn of the English And International Golf Greenkeepers' Association—chaired by Kevin Munt. Opening the batting for EIGGA was Dr Peter Hayes of the Sports Turf Research Institute, who spoke on The Maintenance Problems Found On Advisory Visits. A vote of thanks was given to the splendid work being done by the STRI and to Dr Peter Hayes in particular for "putting Bingley back on its feet," as Jim Arthur said in his opening address.

Jim recognised the professional image of the new association and went on to emphasise that his paper, while entitled Open Championship Course Preparation, would embrace only his opinions and was not being delivered under the R&A's banner.

Jim stated that only a dozen or so courses had been used for the Open—that number was now down to six and he hoped he'd never see the day when a parkland or heathland venue would be considered for the championship.

He recounted a conversation with one important executive of a shipping line who, in the course of a phone conversation, had asked when his inland course might take the Open Championship... "My advice," Jim said, "was that he should turn the whole place into a Safari Park and that there was absolutely no chance of the course getting the Open in this or the next century." Jim told this story because it illustrated how the PGA and the R&A differed—"The PGA is at the mercy of its sponsors, while the R&A is not afraid to put the bite in."

Jim informed delegates that St Andrews was looking in absolutely first-class shape for the Open and was surprised at the number of people saying to him that he must be terribly busy with the Open so near. "I'm now considering Open Championship venues for five years hence and, believe you me, if St Andrews is not ready by now, it never will be. I'm pleased to say that Walter has done a marvellous job—the greens are firm and



In the case of serious accidents, Peter advised, the club captain and, in turn, the course manager could be deemed responsible and that a copy of the act should be predominantly displayed in the greenkeepers' mess room.

Peter continued to say that fractures, apart from those of a finger or foot, must be reported to the relevant local authority. It is vital for the headman to keep an accident record book and, if possible, anyone suffering an accident should write his own report in the book.

The recurring theme of Peter's talk was that common sense should prevail at all times and that it is all too easy to lapse into slack habits—for instance, when new machinery is purchased, be sure the operator and other staff read the working instructions fully.

Fires on the golf course are another constant danger. Peter said that all

putting true and long," he said.

He cited his excellent working relationship with Walter Woods, which has the ideal fusion of two talents—there is no way, he said, he ever sets out to dictate policy to any headman. Jim believes that the two hardest influences for any greenkeeper to get to grips with are wear and tear of the course and the club's green committee.

The final two EIGGA speakers were Lawrence Pithie, course manager at Minchinhampton GC, Gloucestershire, whose paper Management Of Different Types Of Course was well received, and, finally, Peter Wisbey, course manager of North Foreland GC, Kent.

Peter's paper—Safety At Work—opened by advising all course managers and head greenkeepers to read and study the Health & Safety At Work Act, 1974, which states that any club employing five part- or full-time workers—be they greenkeepers, club pros or clubhouse staff—comes under the act's jurisdiction.



Jim Arthur and Dr Peter Hayes put their heads together to answer a question.



Plenty of experience and diverse backgrounds in EIGGA's team of Dr Peter Hayes, Jim Arthur, Lawrence Pithie, Peter Wisbey and association president Jack McMillan.

machinery at his club has fire extinguishers and although he has only had to use an extinguisher once in the last four years, his foresight probably saved the machine from being gutted.

On the subject of chemicals, it is best to keep a list of those in stock for the fire brigade, who will want all the information possible if you happen to be absent from the club.

Another possibly less obvious danger area concerns tractors overturning and, while the law does not enforce the fitting of roll-bars to machinery working on the course, taking such a precaution could save a life.

Slightly away from the safety aspect, Peter concluded his talk on the subject of Road Fund Licence Exemption Certificates. Machinery is allowed to travel up to six miles a week on the road without being taxed, but such exemptions are only allowable if applied for.

In his closing speech, EIGGA president
Continued overleaf...



GOLF COURSE '84 CONTINUED

Jack McMillan said that the most pleasing feature of the weekend had been the willingness of greenkeepers and others involved in the industry to talk to each other.

When he started, greenkeepers were often loathe to share their experiences. "I remember one old boy who would lock his workshop door when mixing fertilisers—it was as though he was concocting some magical elixir!"

Jack added that all modern greenkeeping staff are entitled to dignity, security and the best materials and



Peter Wisbey exposed many of the daily dangers surrounding safety at work out on the course. EIGGA's session was chaired by Kevin Munt (background).

machinery at work. "I can then demand a full day's return and send them home tired, but contented.

"In the past, greenkeepers have had something of a reputation for not being great thinkers. Today, we present a highly professional image. We have lots in common with our many friends who have

travelled to Cambridge for this weekend from America and we now have the intelligence to know what's applicable to conditions on both sides of the Atlantic.

"Finally, *Golf Course '84* has been a 100 per cent success. I hope it will become a regular feature for many years to come," he said.



Dr Peter Hayes with *Greenkeeper* publisher Michael Coffey, whose staff did so much leading up to and throughout *Golf Course '84* to make it a resounding success.

farmura

The Liquid Organic Fertiliser

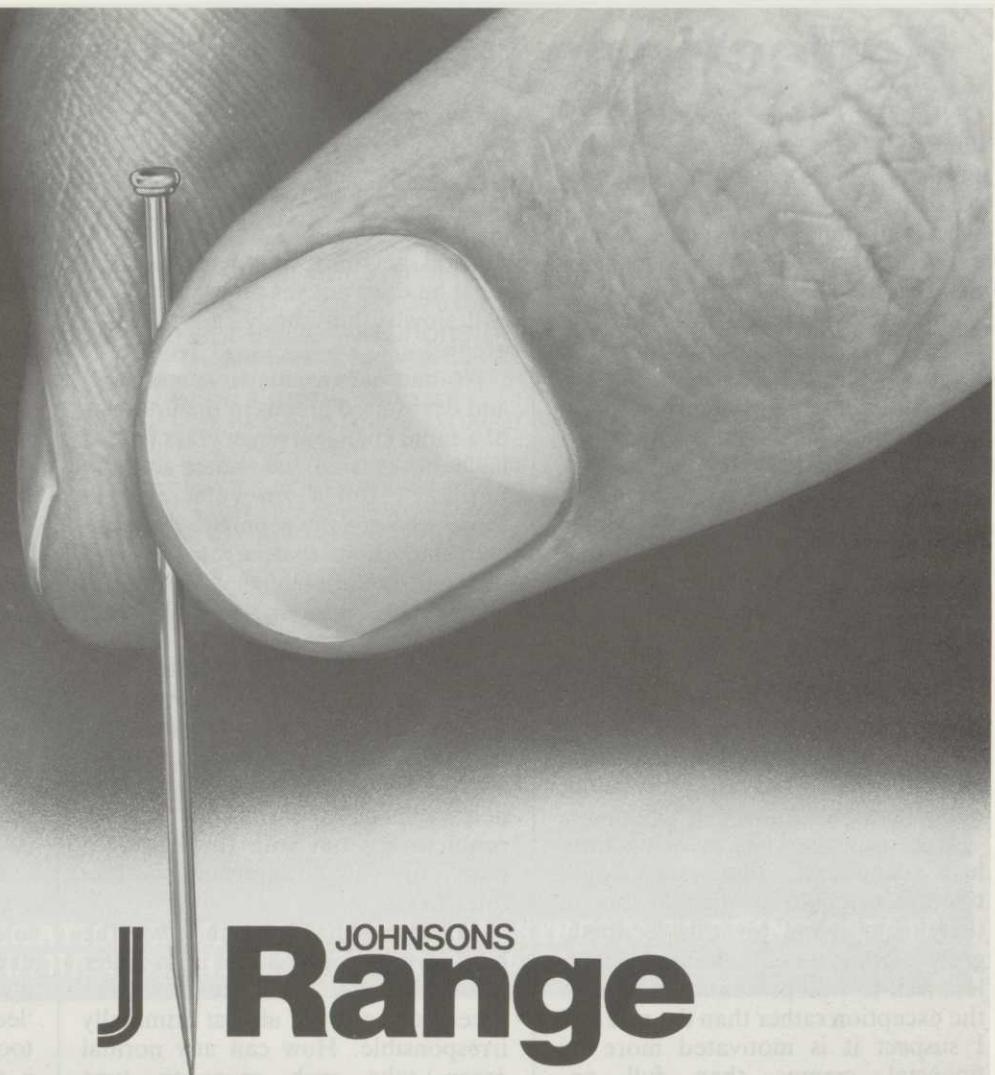
For information, literature
and supplies contact your
local merchant or

Farmura Ltd, Stone Hill,
Egerton, Ashford, Kent
Tel: Egerton (023376) 241



*If you want an inexpensive natural
fertiliser that will:*

- * Encourage a deep hard-wearing turf
- * Help the growth of fine grasses
- * Assist deep root development
- * Maintain the natural greens and colours of the turf
- * Mix with weedkillers for 'Feed and weed' and
- * Will not scorch
- * Is safe and non-toxic
- * Does not produce a flush of growth (and so cuts mowing costs)
- * Is low cost
- * As used by many courses including championship



J ^{JOHNSONS} **Range**

**Takes the guesswork
out of grass work**

The right grass for the right purpose should not be a matter for guesswork.

The Johnsons J. Range of specially blended mixtures will give you the grass you need for all sports turf, amenity and landscape uses.

We've over 160 years of experience – send for our leaflet containing Johnsons J. Range mixtures – we'll advise on the one that's exactly right for you. Ask also for details of our wide range of wildflower species.

Or, if you formulate your own mixtures we can supply the quality varieties you require including:

**WALDORF · DAWSON · BANNER · PARADE · ARNO · PENNFINE
SCALDIS · PLUS NEW MERLIN**

W.W. JOHNSON & SON LTD., LONDON ROAD, BOSTON, LINCS. Tel: BOSTON (0205) 65051
Branches also at Haydock, Merseyside and Iver, Bucks.

Reflections from The Bridge Of Sighs

ONE factor for success clearly emerged from experiences at *Golf Course '84*—namely, audience participation. By far the most successful talks were those where adequate time was given for discussion.

In no way do I wish to be thought less than welcoming to the American visitors—indeed, their contributions were practised, competent and often very entertaining—but totally irrelevant to UK greenkeeping.

It was not just the vast difference in budgets—slides of some 14 triplex mowers mowing in echelon across fairways, echoing combine harvesters in limitless prairies are impressive, but unreal! Neither was it the hordes of pests and diseases, which have to be tackled with speed and determination if disaster is not to overtake the courses, but their basic greenkeeping, which is, to my mind, quite wrong for us.

It seems geared to producing more lush conditions than we would tolerate or could afford and though there is a swing towards 'Scottish' greenkeeping—i.e. a more austere, less wall-to-wall presentation—this is the exception rather than the rule and I suspect it is motivated more by financial cramps than full appreciation of traditional greenkeeping.

Perhaps the most telling US question (?)—really a statement—was the one suggesting that a pH of 6.2 was an essential aim in controlling thatch. It may be in the States, but it certainly is not here! We have excellent thatch-free greens from pH 4.5 to 8.5 and awful thatchy bogs in the same range.

Our ideas of regular routine deep aeration must seem as strange to American superintendents as their ideas of intensive aeration (twice a year with shallow hollow tining) is to me!

One problem of seminars is that statements are made by pundits which are never publicly challenged. I welcome being challenged as it gives another opportunity for discussion and explanation!

A brave attempt was made to defend annual meadow grass greens by Alan McDougall (Eastwood GC). I see his problems and do not at all disagree with him that if he manages his annual meadow grass greens properly by deep aeration (when it suits him, not on a set 'every Monday morning' routine), using limited irrigation and nitrogenous fertilisers,

By Jim Arthur

he will get quite good greens, but what he does not yet realise is that he will slowly, but surely, get *Agrostis* greens!

No-one ever wants to see scarred and devastated greens in the interests of a rapid change over in grass type. I have never said 'no water and no fertiliser'. But I am vulnerable to those who see my reports at another club and think that, irrespective of different conditions, they can adopt an identical programme with instant success!

However, I would contest one statement made at *Golf Course '84*—that all research is valuable. This certainly needs qualifying! Even if such research is wrong, it may be helpful in clarifying issues, but the problem lies not with the research, but in its application and interpretation.

Comments that research proves the best way to use pop-ups is to water heavily once a week and to let the greens dry out are almost criminally irresponsible. How can any normal green take such monsoon type applications of say 20 to 30 minutes at one flood? How can a course be presented with soaking bogs one day, progressively drying out to rock hard conditions by the end of the week? How can such greens ever be made permeable enough, once they have got so dry, to take even modest

watering without massive run off and surface waterlogged conditions and, so, thatch? How do you syringe greens "for 30 seconds" with pop-ups? It needs probably two or three minutes to ensure a complete coverage on a normal cycle! Practical greenkeepers will share my derision of such research!

We are also told that the only way to get soils uniformly wet is to saturate them. What about aeration and detergents? Far too little mention was made of the fact that sound greenkeeping is not based on some narrow aspects of research into one factor only, but must be an inter-related study of everything. To talk of irrigation without mentioning aeration is, at least, irresponsible.

Too many American influenced 'authorities' seem to think all our problems can be solved by installing a computer and too few accept that the best computer exists between most people's ears!

However, it was an excellently run conference, in superb surroundings and with impeccable organisation, even extending to the weather. As always, it is in the discussion between 'lectures' that most is gained. Perhaps too much was crowded into too short a space of time and too little time allowed for questions and answers, but the good outweighed the bad and we can always learn from such experiences.

Whatever else, I felt it was interesting and entertaining, but sometimes less than related to our UK problems.



SIGGA's Alan McDougall expressed an acceptance of annual meadow grass.

Team **TORO** Service

If your Turf Irrigation System has a need for parts, maintenance or up-dating or indeed, you're thinking of having a system installed, your Toro Area Distributor is the man to speak to! Call him on one of these telephone numbers . . .

NORTH, MIDLANDS and WALES

E.A. Yates (Smallwood) Limited Sandbach 04775-255

LONDON & HOME COUNTIES

British Overhead Irrigation Limited Shepperton 09327-88301

EAST COAST

F. Smith & Son Limited Grimsby 0472-822552

HOME COUNTIES NORTH & EAST ANGLIA

Golf Landscapes Irrigation Brentwood 0277-73720

SOUTH & SOUTH WEST

Irrigation & Slurry Services Downton 0725-20377

SCOTLAND

Sports Turf Services Newbridge 031-333-2345

IRELAND

Aqua Pump Services Dublin 337777

Water Irrigation Services Dublin 885189

CHANNEL ISLANDS

Jersey Farmers Trading Union Jersey 33277

Team Toro, experts on the spot!

TORO

**TORO IRRIGATION LIMITED, UNIT 7, MILLSTREAM TRADING ESTATE
RINGWOOD, HANTS. BH24 3SD. TEL. 04254-6261**

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 (Goalmouths?) and scarifying tired turf all year round.

Three models:-

- 36" Compact tractor model
- 48" For Estate & Contract Work.
- 72" For Parks & Sports Grounds.



48" Model Collecting leaves or rubbish.



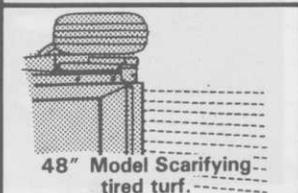
48" Load Dumping



48" Cutting & collecting long grass.



36" Garden Model - normal grass - good finish



48" Model Scarifying tired turf.

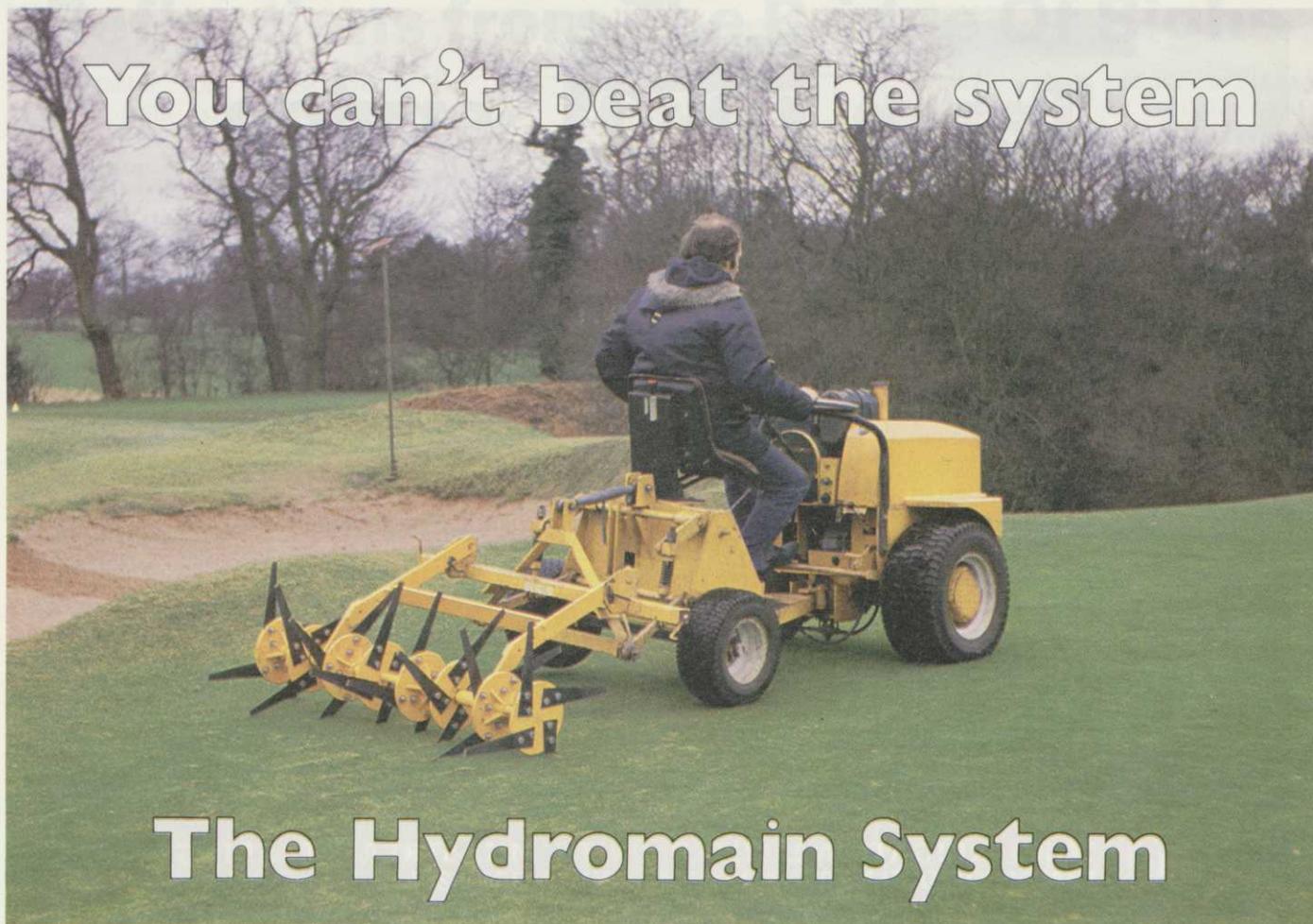


Full details of these and many other Professional Machines

FROM BOB ANDREWS LTD.

Pontiac Works, Fernbank Road, Ascot, Berks. LTD. Tel. (0344) 885575

You can't beat the system



The Hydromain System

Whatever the job you'll do it faster and more economically with the Hydromain – a complete maintenance system ideal for the golf course.

For the first time you can aerate, top-dress, rake, brush, cut turf, spray, sweep, re-seed and scarify all with the same outfit. In fact we offer around 30 different attachments, all interchangeable in minutes by one man and nearly all with a minimum 4ft. working width for a really fast rate – e.g. 10/15 mins. to deep slit or top dress an average golf green. A choice of tractor units are available: 14hp with hydrostatic transmission to the front wheel drive, extra wide tyres, patented weight transfer system and hydraulic lift; 17hp with all the above features plus optional cab and roll bar, power steering, full lighting and braking systems to comply with all road-worthiness regulations. Optional diesel engine.



sisis

Designed, patented and manufactured in Great Britain by
SISIS EQUIPMENT (Macclesfield) LIMITED, Shoresclough Works, Hulley Road, Macclesfield,
Cheshire SK10 2LZ, England tel: (0625) 26363 telex: 669795
SISIS Centre in Scotland, The Roundel, Middlefield Industrial Estate, Falkirk FK2 9HG
tel: (0324) 29635

GET KUBOTA ON COURSE. ON YOUR COURSE.

The greenkeeper's lot is not an easy one. Keeping a course in condition all year round requires dedication, experience and skill.

But now the greenkeeper can turn to Kubota for all his on-course needs.

These four compact tractors and the range of Kubota attachments add up to a total greenkeeping package, meeting not just the needs of the moment (mowing, draining, hauling and so on); but also the long term requirements for high quality, reliability and economy.

When you get Kubota on course on your course, you get the benefit of minimum interest finance.



B8200 provides more power when you want it and where you want it. With a 3 cylinder, 19hp engine, it's ideal for the heavy work on course. Also available with hydrostatic transmission.



G3HST is the versatile ride-on, that makes short work of light rough. Highly manoeuvrable (thanks to hydrostatic transmission), 44" cutting width mid-mounted mower can cut almost anywhere, but always with miserly fuel consumption and minimal maintenance.



B7100HST has a powerful 16hp diesel engine, controlled by hydrostatic transmission, which includes creep speeds as standard. It will earn its keep all over the course.



L275 is the perfect machine for gang mowing. Powerful and reliable, with shuttle shift transmission, it's supremely versatile around the fairways.

KUBOTA
No-one offers more.

Please send me more details and the name of my nearest dealer.

Name _____

Address _____

Tel: _____

TG 5/84

Kubota Tractors (UK) Ltd.,
Dormer Road, Thame, Oxon OX9 3UD. Tel: 084 421 4500

People, Places, Products

Over 200 dealers and customers from all over the UK attended two open days in Surrey recently to see the range of equipment handled by Charterhouse Turf Machinery. The occasion marked the company's first anniversary and the opening of its new premises in Milford.

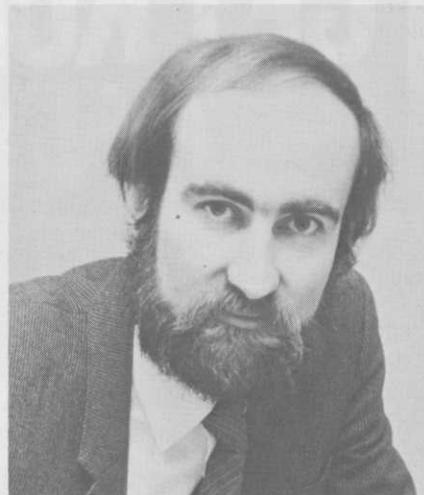
On show were the Rolawn Power 5 gang mower, the Verti-Drain, Vredo Seeders, Team Sprayers, the Morrison Triplex and a new range of Top Dressers.

David Jenkins, managing director of Charterhouse Turf Machinery, said sales so far this year, particularly of the Rolawn and Verti-Drain, meant that the company was certain to

exceed the turnover target set when the company was formed in February 1983.

"This is not only encouraging news for Charterhouse Turf Machinery," David said. "It is good news for the whole amenity market because it reflects what we believe to be a continuing priority given to recreational needs, despite cut-backs. We also like to think it reflects the cost-effectiveness of our two major lines."

The demonstrations took place near Guildford at Rolawn's south-eastern production base for its cultivated turf products.



Peter Candlin.

Peter Candlin, 32, has been appointed inventory manager for Charterhouse Turf Machinery. Peter will be responsible for the company's spare parts same-day despatch service, as well as administration and order processing.

Alan Hewitt, 33, has joined Supaturf and will cover the area around his Hatfield, Doncaster home. Alan's interest in golf developed during 16 years in the RAF, which included two tours in Germany where he helped build and maintain a nine-hole course. He can be contacted on Doncaster (0302) 845765.



Alan Hewitt.

Richard Lawrence, formerly marketing manager of Rigby Taylor, has been appointed a director of the company with full responsibility for marketing and, in particular, Rigby Taylor's range of Mascot products.



The Mayor of Godalming cuts the ribbon on Charterhouse Turf Machinery's open day. David Jenkins is also pictured.

Steeley Minerals, manufacturer and distributor of the Key Range of fertilisers, is organising and sponsoring a golf tournament at Clevedon GC, Avon on Thursday, May 10.

Although the competition is limited to members of the BGGAs sections in Devon and Cornwall, the south coast, the south west and Wales, it is a pilot scheme for a national contest in 1985 which will be open to all members of EIGGA and SIGGA, as well as the BGGAs.

The 18-hole Stableford competition will be a team event, with six

members from each section forming the four teams. Two members will have a one to nine handicap, two a handicap of 10-18 and two a handicap of 19 plus. The best five of six cards will be the team trophy winner.

Steeley's Key distributor in Bristol, David Brown and Son Seeds, will present a special trophy to the best single card recorded.

The competition has been organised by Steeley in conjunction with Mark White (secretary) and Barry Reeves (head greenkeeper) of Clevedon GC.

Over 60 greenkeepers, groundsmen and forestry workers attended a chainsaw clinic held by Newton Mowers in Griffin Park, Porthcawl recently. Martin Davis of Sachs Dolmar chainsaws spoke on the development of his company's saws and the health and safety guidelines regarding chainsaws.

Mike Patton of Hemming and Wood

discussed chain maintenance and the prevention of 'kick back' in chainsaws.

From over 50 competition entries, only Ken Russell of Mid Glamorgan County Council managed to get all the correct answers. He was presented with a watch donated by Sachs Dolmar.



John Priddle (right) of Newton Mowers talks to Terry Clease, head greenkeeper at Cardiff GC.

Huxleys Grass Machinery has appointed C. Tolliday & Son of Kings Road, Newnham, Cambridge as area dealer for its Cushman, Royer and Huxley professional equipment ranges in East Anglia. A member of the Kingston House Mowers Group of Harpenden, Herts since 1968, C. Tolliday & Son will now be supplying and servicing the Cushman Three-wheel and Four-wheel Turf Trucksters for all-season transport and turf maintenance duties, the Royer range of mobile soil, compost and peat processors and Huxley grass and turf care implements designed for use with the Turf Trucksters. Tolliday will also handle the new Huxley TR66 Hydraulic Reel Mower for compact tractors.

E.J. Tong retail of Spilsby, Lincolnshire is the appointed dealer for Toro commercial products together with Lely Iseki. Gibsons of Kirkham, covering Cumbria and Lancashire with a branch in Clitheroe and previously offering Jacobson, is now a Toro commercial dealer also offering the Lely Iseki range of tractors.

The Palmer Multicore

A very adaptable hollow tining machine



- SIMPLE TO OPERATE
- VERY RUGGEDLY BUILT
- COMPETITIVELY PRICED

Head attachments:
 $\frac{1}{4}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{3}{4}$ in.
 Solid Tines.
 Hollow Tines.
 Slitter Tines.
 Turf Lifter.

Sole UK
 Concessionaires:

**LAWN MOWER
 SPECIALISTS LTD.**

(THE FAMILY FIRM
 WITH THE PERSONAL
 SERVICE)
 Golf Course Consultants

Suppliers of:
 AGRICULTURAL, HORTICULTURAL MACHINERY
 and PROFESSIONAL TURFCARE EQUIPMENT

Lawn Mower SPECIALISTS LTD

OFF SANDY LANE LOWER DARWEN TEL: 672424

NAME _____

ADDRESS _____

Tel: _____

post coupon now for further details

GET ON COURSE WITH

C.M.W.

equipment

QUALITY PRODUCTS AT
 COMPETITIVE PRICES

Manufacturers & Suppliers of —
**FLAGS - FLAGSTAFFS - BALL
 CLEANERS - TEE PLATES - HOLE
 CUPS - BOOT WIPERS**

**SPECIALISTS IN BUNKER RAKES
 & CUSTOM-MADE SIGNS**

Write or telephone, for full details and
 prices on C.M.W. products, TODAY, to:

**C.M.W. EQUIPMENT CO.,
 17 TOTMAN CRESCENT,
 RAYLEIGH,
 ESSEX.**

Telephone: (0268) 770311

Huard Parks and Garden Equipment of France has appointed Lely Import of St Neots to direct marketing and sales throughout the dealer trade in the UK and Eire. The vast Huard product range complements all

Japanese compact tractors. For example, there is the reversible plough, rotary hoe and flail mower, as well as slashers, spring time cultivators, tool bar and log splitters.

A new compound fertilizer—SHL 8—has been added to the range of specialist fertilisers manufactured and marketed by Sinclair Horticulture and Leisure. It is designed to be equally effective when used as a general purpose fertiliser or in the making of composts.

This addition to the company's professional range of products has a formulation of eleven nutrients, which include six trace elements added in a fritted form. This allows the nutrients to be released over a controlled period of time, making sure they are available as the plant requires.

SHL 8 is available in 25kg bags from all leading wholesalers.

Full details from Sinclair Horticulture and Leisure, Wigford House, Brayford Pool, Lincoln LN5 7BL. ☎ Lincoln (0522) 37561.



Admiring a layout of Wentworth's new practice ground are (left to right) Richard Doyle-Davidson, secretary of the club, George O'Grady, PGA European Tour tournament director and Alan Callan, chairman of the Whyte & Mackay PGA Championship organising committee. Gerry Coley, course superintendent of the Wentworth Club, lays the first turves on the teeing ground. The new practice area, situated to the right of the 18th green on the East Course and which has been specially constructed for the championship, is over 270 yards long and wide enough for up to 30 players.

The new Verti-Drain has been purchased by Brian D. Pierson (Contractors) and is available for hire throughout southern England. Brian believes that this type of specialist equipment should be available to clubs on hire, as the initial investment precludes many smaller clubs from ownership.

Cutting the pressure

Keep on top of your job with the cost-cutting Cushman 3- and 4-Wheel Turf-Trucksters. A rugged 18hp engine provides the power for all those transport and course maintenance duties while low weight and wide turf tyres take the pressure off work on greens, tees and fairways. A wide range of British-built attachments can be quickly and easily

fitted for everyday, all-round

versatility from mowing to spraying and spiking to

load carrying. Take a look at our new Multi-Depth

Aerator, able to work to a depth of 9¼in

without surface damage, or our all-hydraulic Reel-mower for a superb finish on wet and dry grass. Put a Turf-Truckster to the test on your course now.

Demonstrations readily available from specialist dealers nationwide. Call us today for full details on the Cushman Turf-Care System.



Hillside, Thorpe Lea Road, Egham, Surrey, TW20 8JG.
Tel: 0784 38666
Telex: 894426

“FENDRESS” TOP DRESSING

High Quality Golf Green Top Dressing (FENDRESS) available in bulk loads of 15—18—20 tonnes, delivered anywhere U.K. mainland.

A specifically designed mix of Fenland Peat/Soils and Lime free sand carefully blended, shredded and sieved. Ready for immediate application to golf/bowling greens.

Save purchasing expensive equipment which stands idle for much of the year, also high labour costs, and problems of finding suitable ingredients of constant quality.

Pre-packed supplies now available.

SPECIAL MIXES TO YOUR SPECIFICATION ALSO PREPARED.

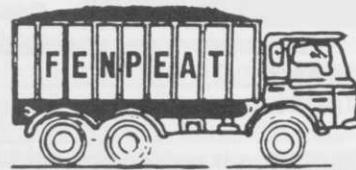
ALSO sedge peat “FENPEAT” in bulk.

Lime-free sands, screened loam, top soils etc.

Please telephone for quotations.

Contact:

Fen Turf Dressings Ltd.,
36, High Street,
Market Harborough,
Leics. LE16 7NL.
Tel: Market Harborough
(0858) 64346



The fifth International Turfgrass Research Conference will be held in Avignon, France from June 30-July 5, 1985. The main themes will include Breeding, Physiology, Management, Soil And Nutrition, Plant Protection (Weeds, Pests and Diseases) and Erosion Control. For each theme there will be scientific papers, a focus on technical points and a general presentation of research into the subject. There will be translation into English.

Steeley Minerals Vitax department has added a new Winter Tonic to its Key Range of fertilisers. The 24 per cent nitrogen, zero phosphate, 2.5 per cent potash compound—with an added 3 per cent iron—has been formulated for use during late autumn and early spring.

The Winter Tonic, which helps to control moss and is ideal for all fine turf areas, especially where phosphate levels are high, has been developed and launched in conjunction with Barry Reeves of Clevedon GC and Bill Curtis of Kingsdown GC.

Shrewsbury-based agrochemical specialist Hodges & Moss has created a new environmental services division responsible for golf clubs, local authorities and other sporting and leisure organisations. Heading up the new team is Bob Bolland, who has been appointed H&M's environmental services manager for Shropshire and the border counties.

Apart from advice and a

comprehensive range of weedkillers and fertilisers, H&M's environmental services division will also be able to offer its new customers specialist contracting equipment to undertake such programmes where required. This equipment includes low ground pressure vehicles, fitted with flotation tyres.

Contact Bob Bolland on Shrewsbury 60481.



Alan Lewis (left), head greenkeeper at Llanymynech GC, discusses soil conditions at the club with Bob Bolland, H&M's environmental services manager.

One spreader for all your requirements



Vicon Vari-spreader 302

One machine for gritting, fertiliser spreading and grass seeding.

The Vicon Vari-spreader 302 will spread a wide variety of materials with superb accuracy, and the corrosion-resistant parts ensure long-life reliability.

The hopper holds approximately 300 litres (5 cwt) although larger models are available with hopper capacities of up to 2½ tonnes.

Write or telephone for details.



Vicon Limited
P.O. Box 10
Lovetofts Drive
Ipswich, Suffolk IP1 5NS
Tel: Ipswich 47321

Vicon have a way of doing things better

When they all look good. Look a little deeper

Supaturf organic-based fertilisers are specially formulated for all sorts of turf — from golf greens to rugby pitches.

And while Supaturf fertilisers will keep your grass firm and green on top, the most beneficial effects happen beneath the surface.

Supaturf phased-release fertilisers ensure a steady, even growth throughout the growing season and improve the soil humus content. Our new SS/SR grade contains IBDU — a slow release source of nitrogen, saving on both labour and fertiliser.

For full details of the Supaturf range, return the coupon below.



Supaturf

Supaturf Products Ltd.,
Oxney Road, Peterborough
Cams. PE1 5YZ.
Tel: (0733) 68384



GRK/04/84
Name _____
Address _____

The proceedings of the 2nd National Turfgrass Conference held last September at Keele University have now been published priced £2.50 (including postage) from The Secretary, NTC, 3 Ferrands Park Way, Harden, Bingley, West Yorkshire, BD16 1HZ.

The 142-page, A5 booklet gives the full text of the 13 papers delivered at the conference, as well as the most important discussions.

In addition to technical papers, there are reports on the work on the NTC and the discussion group meetings. The NTC was formed to encourage discussion and the exchange of information and to foster research and strengthen education. The final pages of the conference proceedings show what has been, and is being, done to help the industry.

The Weed Research Organisation at Oxford is under threat of closure by the Agricultural And Food Research Council. For years, the WRO has screened new herbicides, meeting agricultural and amenity requirements. While sympathising

with the council's predicament of declining financial resources and acknowledging amenity research is only a small part of the WRO's work, the National Turfgrass Council does not believe that the Long Ashton Research Station—the proposed alternative—will be able to serve the amenity industry as effectively as the WRO.

"With increasing demands to reduce maintenance costs," NTC chairman Michael Chance said, "it is essential adequate research continues under an independent body monitoring the effects of existing and new chemicals including growth retardants."

Some 140 delegates attended two turfcare seminars in Scotland recently organised by British Seed Houses, Lloyds and Co and Synchemicals.

Jeremy Howarth of British Seed Houses revealed the success of his company's product range in England and Wales over the last seven years. He believes it can be attributed to the company's continual research and development into new varieties, such as Loretta and Derby perennial

ryegrass and Frida Chewings fescue, which have been highly rated by the Sports Turf Research Institute in its 1984 Seed Guide. The range is now available through the associate company of David Bell, Eastfield Industrial Estate, Penicuik, Mid Lothian.

Jon Allbutt of Synchemicals emphasised that the use of chemicals cannot be considered a substitute for good turf management, but more an important part of a comprehensive turf maintenance programme. He outlined the factors that can affect the success or failure of a herbicide treatment. The correct selection and application of a herbicide was dealt with in detail.

Lloyds has concentrated its efforts on producing high quality mowing machines. Every gang mower and motor mower is individually built by craftsmen from the best materials available. Equally important is the necessity to provide a totally reliable after-sales and spare parts service. This Lloyds undertakes in England and Wales direct to the customer. In Scotland, the service is handled by sole agents Autogarden (Glasgow), Burnhills Industrial Estate, 84 High Street, Johnstone, Renfrewshire PA5 8SP.

Forward Thinking

Take mowing, brushing, snow clearing and grass collection in your stride with the versatile Cushman Front Line. A choice of powerful petrol or diesel engines with hydrostatic transmission makes driving a pleasure while, up front, the hydraulic lift system gives fingertip control

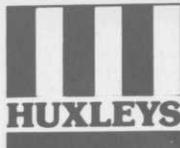
over the forward mounted attachments. You can fit a 66in triple hydraulic reel mower and 60in or 72in rotary mowers.

Equipped with a special 60in rotary mower deck, the

Front Line can even collect and transport

grass, leaves and litter using the new Cushman Grass Caddy. A powered brush and snow thrower are also available to extend the working season, while an optional cab and roll-over frame bring safety and comfort to the operator.

Demonstrations are readily available from specialist dealers nationwide. Call us today for full details of the versatile Cushman Front Line.



HUXLEYS

Hillside, Thorpe Lea Road,
Egham, Surrey, TW20 8JG.
Tel: 0784 38666
Telex: 894426

Fife Regional Council - Education Committee
ELMWOOD COLLEGE, CUPAR, SCOTLAND

One Year FULL-TIME

SCOTEC CERT. HORTICULTURE
(NCH equivalent)

PART-TIME Courses (Day/Block Release) —
SCOTEC CERT. Pt. I & II, GENERAL,
GREENKEEPING, AMENITY, NURSERY
PRACTICE,
COMMERCIAL, ARBORICULTURE.
C & G Ph. III ENTERPRISE MANAGEMENT
AMENITY AND GREENKEEPING

For details phone 0334 52781

FOR SALE RANSOMES MOTOR RAKE

In good condition, complete with Grubbers, Rakes and Drag Brush Attachments.

Small Towing Trailer may also be purchased.

£850 o.n.o.

Please write or phone:

J. Paton, West Kilbride Golf Club, Fullerton Drive, West Kilbride, Ayrshire. West Kilbride (0294) 823210.

Hydraulic Triple Reelmower For Compact Tractors

A three-point linkage mounted, hydraulically-driven triple reel mower is now available for compact tractors in the 16 to 24hp class from Huxleys. The TR66 Hydraulic Reelmower meets the demand for a low-weight, high-output machine, which can be quickly attached and removed from small tractors, can mow in all weathers without turf damage and provide maximum economy and consistent performance all year round. It incorporates a fully-independent hydraulic system as standard to power the machine's three 24in cutting cylinders.

The three 24in mowing units are individually mounted on the TR66's

main frame, which is directly coupled to the tractor's rear linkage. Free-floating pivot connections allow each five-bladed reel to follow ground contours closely.

With an overall width of 1.84m (72½in), cut width of 66in and total weight of 196kg (432 lb), the Huxley TR66 Hydraulic Reelmower costs £2,995.



Steetley's New Marketing Strategy

Steetley Minerals Vitax department has a new marketing policy. At a conference of Key Range distributors in Southport recently, general manager Trevor Martin announced the names of six main distributors to handle the company's products throughout the UK. They will receive full promotional backing from Steetley's technical and marketing staff.

Although Owen Jones has left the company, Steetley will continue to support the marketing operation with its own sales force headed by field sales manager Trevor Holmes.

Steetley's new main distributors are Brown & Son Seeds of Bristol; E.T. Breakwell, Solihull; Roffey Borthers, Bournemouth; Sports Turf Services, Midlothian; Sports Turf Services (Northern), Bradford and Town & Country Horticultural Supplies, Witham, Essex.

A New Exclusive Distributorship For Chipman

Chipman of Horsham, West Sussex is now the exclusive distributor for the Perfect Turf Seed range of turf seed mixtures.

Perfect Turf Seed mixtures are made up from top varieties selected from a number of plant breeders worldwide to maintain consistency of blend throughout the entire season. Ten basic blends cover the majority of standard applications.

In addition to the standard range, special mixtures can be supplied to individual requirements—in particular, to solve the problems of climatic stress on different varieties and specific turf performance criteria. Since no one variety of perennial

ryegrass has a top rating in every characteristic, the blending of two or three of the best available can achieve a perfect turf sward under any playing or soil conditions.

Chipman offers two perennial blends, one for summer use and one for winter.

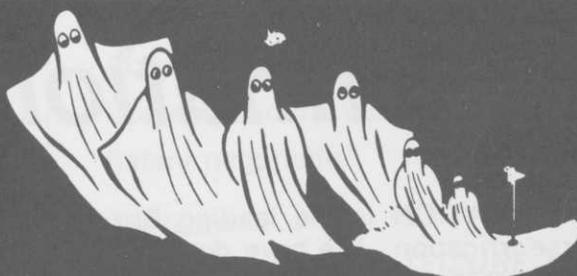
Seed stocks are held at Chipman's Horsham and Derby depots.

David Smart, managing director of Perfect Seeds, is pleased to offer advice before customers make a selection.

Enquiries to John Collins, Marketing Manager, Chipman, Horsham, Sussex RH12 2NR. ☎ (0403) 60341/5



Graded Organic Sports Turf Dressing
a complete range of SUPERFINE topdressings
that are absorbed into any sward — FAST



Surrey Loams Ltd.

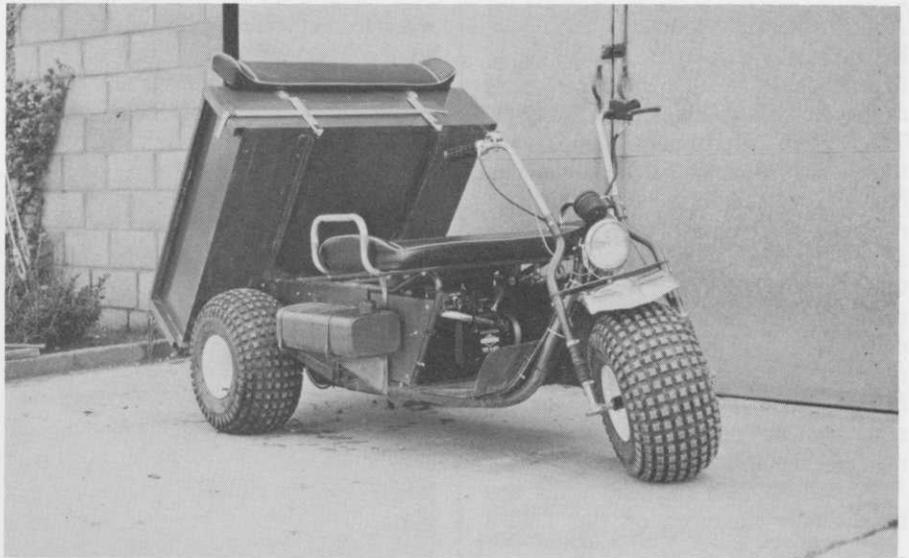
3 WAVERLEY LANE, FARNHAM, SURREY GU9 8BB TELEPHONE (0252) 721167

Heald Hauler Heralds The Arrival Of Low Cost Land Truck

The Heald Hauler is a rugged two seater 'mini' truck, manufactured in America and powered by a 16bhp two-cylinder air-cooled petrol engine with torque convertor, forward and reverse transmission and disc brakes, enabling it to carry an 800lb payload.

Large flotation tyres can travel over carefully kept greens and fairways, as well as difficult terrain. The built-in tipping bed is easily fitted with a fertiliser spreader or sprayer. The hauler has a strong tow hitch enabling it to tow mowers or trailers.

The Heald Hauler comes complete from £1,950 (plus VAT) or in self-build form from £1,750 (plus VAT). Full details from Europlume, Newhouse Farm, Hanley William, Tenbury Wells, Worcestershire WR15 8QT. ☎ 08867 202.



Maxwell Hart's Burnham Bonanza!

Burnham Beeches Golf Club, Buckinghamshire was the venue for Maxwell Hart's Greenkeepers' golf day—an event arranged for 20 invited greenkeepers from the western home counties.

An 18-hole medal competition commenced the day's proceedings and an excellent outward nine by Ian McMillan of Datchet GC proved unbeatable. He returned a nett 70 to resist determined late challenges by J. Newman of Downshire and J. Nudds of Gerrards Cross.

At the dinner, Ian was presented with the engraved crystal Maxwell Hart Trophy by chairman Duncan Stewart. Joe Newman received an engraved glass tankard as runner-up and John Nudds won a bottle of

whisky for recording the best combined score over four selected holes.

In his closing speech, Mr Stewart thanked Burnham Beeches GC for its hospitality and use of facilities and greenkeeper Brian Payne for the superb condition of the course. A vote of thanks also went to J. Liddington of New Zealand GC who, although unable to play due to injury, still attended and assisted in the tournament administration.

Trailer Tale

A versatile two-ton tipper trailer, which offers an alternative to tipper cab conversions, is the claim of Equiluxe.

The suspension system for each of the four wheels has both independent coil springing and off-set dampers. Unlike traditional rubber suspension,

these, combined with steel braced radial tyres, give a smooth ride even under maximum loading conditions. However, either system is available.

It is said that prop stands are unnecessary as no strain is transferred to the drawbar, even when a full load is tipped. Under overloaded test conditions, there was no overbalancing.

A hydraulic pump and two-stage ram make tipping the heaviest load easy, while the two-way tailgate has a quick-release mechanism that can be operated safely from one side.

The trailer is finished in industrial paint and there are clips for easy number-plate changing. A ring fixing is available as a towing alternative to the standard ball coupling.

The trailer retails at £1,487 (plus VAT) and is available direct from Equiluxe at Cherry Tree Farm, Barton Bendish, King's Lynn, PE33 9DJ.

☎ Fincham (03664) 229.

Watermation

Monument Way E., Woking,
Surrey GU21 5LY

Tel: Woking (04862) 70303
and

30 Bannockburn Rd., St. Ninians,
Stirling FK7 6BP

Tel: Stirling (0786) 70252

WATERMATION is the leading British Company in this specialized field of golf course irrigation. We have designed and installed automatic systems for more than 200 courses, at home and abroad, including the top championship courses. We can offer you the most advanced equipment, plus years of experience and what is more, the determination to see your job done well.

Sole distributor for **Weather**  **matic** turf sprinkler equipment

Appointments

HEAD GREENKEEPERS CLUB SECRETARIES GREENS CHAIRMEN

Are you looking for
greenkeeping staff ?

To place an advertisement
in the Appointments pages of

GREENKEEPER

phone Kay Moss
on 02555 7526

ASSISTANT GREENKEEPER

Guildford Golf Club require Assistant Greenkeeper. Only fully experienced person with good references need apply. Two-bedroomed accommodation available.

Please apply in writing to:—

The Secretary, Guildford Golf Club,
High Path Road, Merrow, Guildford,
Surrey, GU1 2HL.

WEST HERTS. GOLF CLUB

requires

ASSISTANT HEAD GREENKEEPER

Scotec or City & Guilds Certificates preferred. Salary and all other conditions negotiable.

Apply to:—

The Secretary, West Herts. Golf Club,
Cassiobury Park, Watford. Tel: Watford
(0923) 36484.

CAVENDISH GOLF CLUB

designed by Dr. Alister Mackenzie

require a

HEAD GREENKEEPER

Applicants must possess a sound knowledge of up-to-date turf management techniques, thorough experience in the use and maintenance of modern 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,
CAVENDISH GOLF CLUB,
Gadley Lane,
Buxton,
Derbyshire,
SK17 6XD.

QUEENS PARK GOLF CENTRE, CREWE

requires

HEAD GREENKEEPER

A unique opportunity to help develop a new 9-hole golf course.

Excellent prospects for a person with initiative.

Experience essential for the position.

Accommodation available if required.

Come and join a winning team!

Salary negotiable.

Apply to:—

CREWE GOLF & LEISURE LTD.,
41, Manchester Road,
Woolston,
Warrington.
Tel: 0925 813705

Appointments

London Borough Of
Bromley

HEAD GREENKEEPER

REF: M22

£6,891-£7,632 plus bonus payments up to
£150 p.a. and overtime

To maintain two popular, self-financing public golf courses: an 18-hole and a 9-hole course.

The successful applicant will supervise green-keeping staff on a day-to-day basis and deal with issues raised by golf societies, the public, catering and golf professional contractors.

Applicants must have considerable practical greenkeeping experience and the ability to motivate staff to achieve a high standard of maintenance. Preference will be given to applicants who are head greenkeepers or golf course managers, and who hold appropriate qualifications.

Housing accommodation at High Elms Golf Course is available for rental.

A 36-hour, 5-day week operates but overtime duties are necessary particularly at weekends.

Application form from Assistant Chief Executive (Manpower), Civic Centre, Rochester Avenue, Bromley, Kent. Tel. 01-290 0324 (24-hour answering service).

Closing date:— 19th May, 1984.

BRACKNELL AND WOKINGHAM JOINT GOLF COURSE COMMITTEE

ASSISTANT HEAD GREENKEEPER DOWNSHIRE GOLF COURSE

Assistant Head Greenkeeper required for this 18-hole course, 9-hole pitch and putt course and driving range. Superannuated appointment, basic wage £82.40 plus £3.10 per week, plus area waiting allowance of £191.88 per annum, and payment for overtime. Rent-free accommodation available. Removal and interview expenses paid.

Applicants must be experienced and conversant with modern techniques of all aspects of golf course maintenance, including automatic irrigation and maintenance of golf course equipment.

For an application form, returnable by the 21st May, 1984, please contact the Personnel and Management Services Officer, Council Offices, Shute End, Wokingham, Berkshire. Telephone: Wokingham (0734) 786833 extn. 205, quoting reference DGC1.

CHERWELL DISTRICT COUNCIL FIRST ASSISTANT GREENKEEPER

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

This is a new position 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. The successful man or woman will have a good general education and must hold the Institute of Groundsmanship Certificate, City and Guilds Fine Turf Culture or another 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 weedkillers. 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 for completed applications will be two weeks from the appearance of this advertisement.

FRANKFURT GOLF CLUB (Venue for 1984 German Open)

require

Assistant Greenkeeper

Must possess at least five years' practical experience. Salary not less than £600 per month. Rent-free accommodation provided.

Apply immediately, with full c.v., to:—
**Adrian Long, Frankfurter Golf Club E.V.,
Golfstrasse 41, 6,000 Frankfurt/M-Niederrad,
West Germany.**

ASSISTANT HEAD GREENKEEPER

required by

MUSWELL HILL GOLF CLUB

Experienced in course and equipment maintenance. £120 per week. Basic 40 hours with some rotated overtime. No accommodation available.

*Write, with personal history, to:—
The Secretary, Muswell Hill Golf Club,
Rhodes Avenue, London, N22 4UT.*

Buyers' Guide

BARK AND BARK BASED PRODUCTS

Camland Products Ltd.,
36, Regent Street,
Cambridge, CB2 1DB

Tel: (0223) 68780 Telex: 81254

BOWLING GREEN, GOLF GREEN/TEE CONSTRUCTION

J.S. Bishop & Co. Ltd.,
Bishop House, Bath Road,
Taplow, Maidenhead, Berks,
SL6 0NY Tel: 06286 4444

Wener & Longstaffe Ltd.,
1st Floor, 33 High Street,
Barnet, Hertfordshire,
Tel: 01 441 0189

BRITISH ASSOCIATION GOLF COURSE ARCHITECTS

Cotton (CK), Pennink, Steel & Partners Ltd.,
5, Buckingham Place, London,
SW1E 6HR

Tel: 01 630 5252 Telex: 311210

Hamilton Stutt & Co.,
12, Bingham Avenue, Poole,
Dorset, BH14 8NE

Tel: (0202) 708406

Hawtree & Son,
5, Oxford Street,
Woodstock, Oxford, OX7 1TQ

Tel: Woodstock (0993) 811976

T.J.A. McAuley BSc FICE,

7, Donegal Square West,
Belfast, N. Ireland, BT1 6JF

Tel: (0232) 226981

BRITISH ASSOCIATION GOLF COURSE CONSTRUCTORS

Chipman Ltd.,
Horsham, Sussex, RH12 2NR
Tel: 0403 60341

Eccles Contracting Ltd.,
Brickfield Street,
Hadfield,

Hyde, Cheshire, SK14 7DZ

Tel: (04574) 63425

Golf Landscapes Ltd.,
Ashwells Road, Bentley,
Brentwood, Essex, CM15 9SR

Tel: 0277 73720

Land Unit Construction Ltd.,

Folly Farm, Hanslope,
Milton Keynes, Bucks, MK19 7BX

Tel: 0908 510414

Brian D. Pierson (Contractors) Ltd.,

27, Vicarage Road,
Verwood, Wimbourne, Dorset,
BH21 6DR Tel: 0202 822372

Southern Golf & Landscapes Ltd.,

85, West Street, Warwick,
Warwickshire

Tel: 0926 492898

CAMERON IRRIGATION

a division of **Wright Rain Limited**

Head Office, Harwood Industrial Estate,
Littlehampton, West Sussex,
BN17 7BA

Tel: Littlehampton (09064) 3985

Evesham, Worcs,

Tel: Evesham (0386) 830900

Ringwood, Hants,

Tel: Ringwood (04254) 2251

Spalding, Lincs,

Tel: Spalding (0775) 3764

Norwich, Norfolk,

Tel: Swainsthorpe (0508) 470402

Ongar, Essex,

Tel: Ongar (0277) 362444

Whitchurch, Hants,

Tel: Whitchurch (025682) 2655

Bridgnorth, Shropshire,

Tel: Bridgnorth (07462) 61762

Wetherby, Yorks,

Tel: Boston Spa (0937) 845788

CHEMICALS AND FERTILISERS

Rigby Taylor Ltd.,

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

Tel: (0204) 389888

Rigby Taylor (South) Ltd.,

Unit 7, The Riverway Estate,
Peasmarsh, Guildford,
Surrey, GU3 1LZ

Tel: (0483) 35657

CONSTRUCTION

Charles Lambert (Lawns) Ltd.,

Dudley Court, Cramlington,
Northumberland

Tel: (0670) 714121/2

FERTILISERS AND TOP DRESSINGS

D.O. Hunt Ltd.,

Orchard Nurseries, Forders Lane,
Bishopsteignton, Devon, TQ14 9RZ

Tel: 062 67 2427

Distributors for May & Baker

Synchemicals, Mommersteeg, Proctors,

& Supaturf Fertilisers. Manufacturers

of top dressings.

GOLF COURSE ACCESSORIES

Bridges Pennants,

68, Southchurch Avenue,
Southend-on-Sea, Essex,
SS1 2RR

Tel: 0702 61 2344

Contact: Mr. Elvin

H. Pattison & Co. Ltd.,

Stanmore Hill Works, Stanmore,
Middlesex, HA7 3HD

Tel: 01 954 4171

GOLF COURSE AND BOWLING GREEN CONSULTANT

John Campbell,

121/123 High Street, Dovercourt,
Harwich, Essex, CO12 3AP

GOLF COURSE CONSTRUCTION

J.S. Bishop & Co. Ltd.,

Bishop House, Bath Road,
Taplow, Maidenhead, Berks,
SL6 0NY Tel: 06286 4444

GOLF COURSE CONSULTANTS

John Souter Esq.,

Cunningham Road, Stirling,
Scotland

Tel: Stirling (0786) 2141

GRASS CUTTING EQUIPMENT

Ransomes, Sims, & Jefferies PLC,

Nacton Works, Nacton Road,
Ipswich, Suffolk, IP3 9QG

Tel: (0473) 71222

Contact: J.F.R. Wilson/R. Bishop

Watkins Naylor & Co. Ltd.,

Friar Street, Hereford,
Tel: Hereford (0432) 274361

Telex: 35302 W. Naylor or contact your dealer.

GRASS SEED

Mommersteeg International,

Station Road, Finedon,
Wellingborough, Northamptonshire,
NN9 5NT Tel: (0933) 680674

Contact: Michael Perkins

Suttons Seeds Ltd.,

Hele Road, Torquay, Devon,
TQ2 7QJ

Tel: (0803) 62011

Contact: R.W. Palin

British Seed Houses Ltd.,

Bewsey Industrial Estate,
Pitt Street, Warrington,
Cheshire Tel: (0925) 54411

Contact: Roger Saunders

Portview Road, Avonmouth,
Bristol

Tel: (0272) 823691

Camp Road, Swindon, Lincs,
Tel: (0522) 86714

IRRIGATION

Perrot Irrigation Ltd.,

38, High Street, Rowhedge,
Colchester, Essex, CO5 7ET

Tel: Colchester (0206) 867624

Watkins Naylor & Co. Ltd.,

Friar Street, Hereford,
Tel: Hereford (0432) 274361

Telex: 35302 W. Naylor or contact your dealer.

IRRIGATION EQUIPMENT

British Overhead Irrigation Ltd.,

The Green, Upper Halliford,
Shepperton, Middlesex, TW17 8RY

Tel: 09327 88301 Telex: 928767

Contact: Sales Department

Sportsground Irrigation Co.,

'Hereward Lodge',
Paget Road, Lubenham,
Market Harborough, Leics,
Tel: (0858) 63153

Toro Irrigation Ltd.,

Unit 7, Millstream Trading Estate,
Ringwood, Hampshire, BH24 3SD

Tel: Ringwood (042 54) 6261

Watermation Ltd.,

Monument Way E., Woking,
Surrey, GU21 5LY

Tel: Woking 70303 Telex: 859224

LANDSCAPE CONTRACTORS

J.S. Bishop & Co. Ltd.,

Bishop House, Bath Road,
Taplow, Maidenhead, Berks,
SL6 0NY Tel: 06286 4444

LIQUID ORGANIC FERTILISER

Farmura Ltd.,

Stone Hill, Egerton,
Nr. Ashford, Kent

Tel: Egerton (023 376) 241

MOWERS (SALES, SERVICE, SPARES)

Parker & Ballinger Ltd.,

71, Hill Village Road,
Four Oaks, Sutton Coldfield,
West Midlands, B75 5BH

Tel: 021 308 6888

JACOBSEN NATIONAL DEALERS

Marshall Concessionaires Ltd.,

Romsey Road, Lockerley, Romsey,
Hampshire SO5 0GR

Tel: (0794) 41144. Telex: 477341

Achurch & Sons (Horncastle) Ltd.,
Lincolnshire,

Horncastle (06582) 3441

Anglia Grasscutting Machinery Ltd.,
Suffolk & Norwich,

Lowestoft (0502) 65811/68668

Bristol Garden Machinery Ltd.,
Bristol, N. Wilts, Glos, Cornwall,

Bristol (0272) 719361

Club Mower Services,
Herts, Beds, & North London Borough,
Luton (0582) 841040

CNS Mowers,
Norfolk,

Hunstanton (048526) 234

Ellesmere AG,
Shrops, Mid & N. Wales, Hereford,
Worcs, W. Midlands, N. Powys, Staffs,
Oswestry (0691) 657232

Fletcher - Stewart (Stockport) Ltd.,
Cheshire & Greater Manchester & Wirral,
Stockport (061 483) 5542

Fulborn Garden Machinery Ltd.,
Cams,

Fulborn (0223) 880762

Ground Control Equipment
Co. Durham, Teeside,
Darlington (0325) 55946

Henry Kelland Ltd.,
Somerset & Devon,
Bridgwater (0278) 58111

Old Forge Engineering Ltd.,
Essex & N. Kent,
Ingatstone (0277) 353611

Marshall Concessionaires (Retail) Ltd.,
Hants, Dorset, I.O.W.,
W. Sussex, S.W. Wilts,
Romsey (0794) 513185

Paul Seward & Co. Ltd.,
N. Yorkshire, W. Yorkshire,
York (0904) 704121

Sandas Mower Services,
S. Yorkshire,
Sheffield (0904) 704121

Waycott Bros. Ltd.,
Gwent & Dyfed & S. Powys,
Newport (0633) 612072

John Wilder (Agricultural) Ltd.,
Oxon & Berks,
Wallingford (0491) 35595

Shanks Mowers Croyden,
Surrey, S. Kent, E. Sussex,
(01) 7714811

RANSOMES DISTRIBUTORS

Henton & Chattell Ltd.,

London Road, Nottingham,
Tel: Nottingham (0602) 862161

Contact: Christopher Bryden

Wilcocks,

Walker Street, Preston,
Lancs, Tel: Preston 53068

D. Rowe & Co. Ltd.,

The Hornet, Chichester, West Sussex,
PO19 4JW Tel: (0243) 788100 Telex: 86110

Contact: Mr. D. Strange/Mr. J.E. Burfoot.

SAND

Martin Bros. Ltd.,

1A, Clifton Street,
Alderley Edge, Cheshire,
SK9 7NN

Tel: Alderley Edge (0625) 584571/2

Contact: Nick Gray

SANDSLITTING

L.D. Bourgein Oxford Ltd.,

South Hinksey, Oxford,
OX1 5AZ

Tel: (0865) 735420 Telex: 83147

SEAT

Barlow Tyrie Limited,

Springwood Industrial Estate,
Rayne Road, Braintree, Essex,
CM7 7RN

Tel: Braintree (0376) 22505

Telex: 98173

(Brochure available)

SEAWEED FERTILISERS

Seamac,

Foundry Lane, Chippenham,
Wiltshire

Tel: (0249) 652811

SEMI MATURE TREES

Eastcote Nurseries (Solihull) Ltd.,

Wood Lane, Barston, Solihull,
West Midlands, B92 0JL

Tel: 06755 2033/4

Contact: Stephen or Michael Fisher

SEMI MATURE TREE PLANTING

Eastcote Nurseries (Solihull) Ltd.,

Wood Lane, Barston, Solihull,
West Midlands, B92 0JL

Tel: 06755 2033/4

Contact: Stephen or Michael Fisher

SEMI MATURE TREE PLANTING (EQUIPMENT FOR HIRE)

Eastcote Nurseries (Solihull) Ltd.,

Wood Lane, Barston, Solihull,
West Midlands, B92 0JL

Tel: 06755 2033/4

Contact: Stephen or Michael Fisher

SPRAYING EQUIPMENT

Evers & Wall Ltd.,

Hardi Division, St. George's Way,
Burmuda Industrial Estate,
Nuneaton,
CV10 7QT

Tel: Nuneaton (0203) 372054

Telex: 312426

Contact: Mr. W. Hayward

TEE MATS

Ned Johnson & Co. Ltd.,

163/7, Gilbraltar Street,
Sheffield, S38UF

Tel: 0742 29508/9/0

(Link Matting)

The Charles Lawrence Group Ltd.,

153a, Farnon Road,
Newark, NG24 4SP

Tel: 0636 76218 Telex: 37668

(Synthetic Grass Backed Rubber)

Cian Marketing Company,

Milton House,
Loddington Kettering,
Northants, NN14 1JZ

Tel: 0536 710328

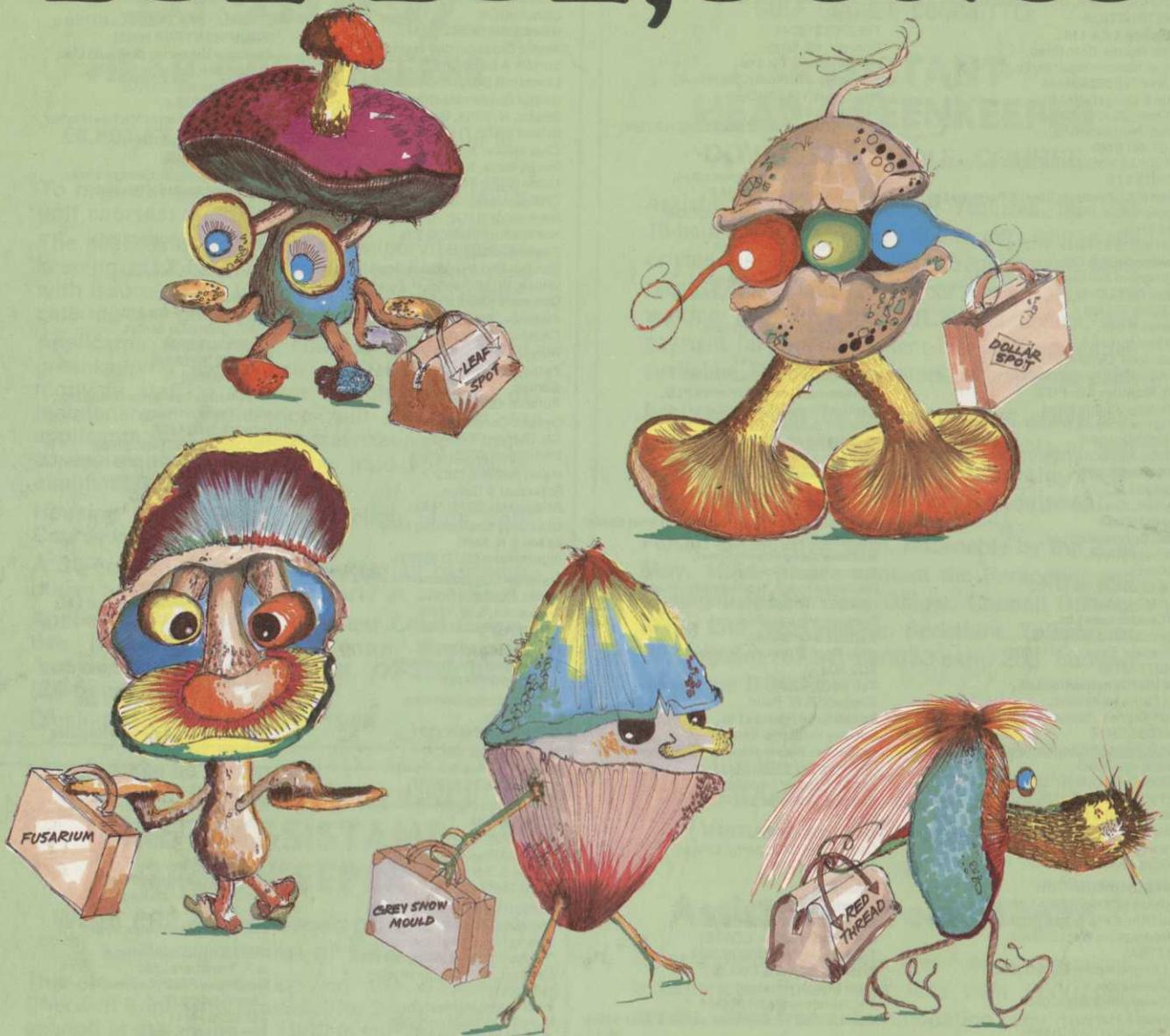
(Heavy Duty)

TREES AND SHRUBS

Eastcote Nurseries (Solihull) Ltd.,

Wood Lane

BYE~BYE, FUNGI



'CONTACT'

Rigby Taylor Limited
Rigby Taylor House,
Garside Street,
Bolton, Lancashire BL1 4AE
Tel: (0204) 389888

MASCOT FUNGICIDES



'SYSTEMIC'

Rigby Taylor (South) Limited
Unit 7, The Riverway Estate,
Peasmarsh,
Guildford, Surrey GU3 1LZ
Tel: (0483) 35657

Scottish Agricultural Industries plc
Firth Road,
Livingston,
West Lothian EH54 5QW
Tel: (0506) 39281