NOTIEBOOK...

BROUWERS ROADSHOWS

THE Brouwer range of turfcare machinery, turf rollers, sodcutters, verticut and reel mowers, vacs and fairway mowers manufactured by Brouwer are distributed throughout the UK by Turfland Professional Ltd of Warrington in Cheshire.

Over the past year, sales of Brouwer equipment have risen substantially. Therefore to ensure a comprehensive backup service in terms of aftersales and spares facilities, as well as to keep sales rising, Turfland has appointed a young and dynamic new sales team, serving the customer.

Many new machines will be offered this year.

A series of roadshows is planned, starting in March, where there will be working demonstrations of many of the Brouwer machines and where Turfland professionals will be on hand to offer assistance and advice on choosing the right model for the job.

For further information contact Janet Watmore, Turfland Professional Ltd., on 09286 340.

Traffic Control by Tacit

AFTER an exceptionally wet winter, a must for golf courses are Tacit's Traffic Control Stakes. A multi purpose stake, complete with hooks, which when used with chain or rope makes instant fencing, particularly suitable for directing players, trolleys etc. around ground under repair or areas of turf where heavy traffic patterns have occurred.

As no ground sockets are required they are easily removed and replaced to other areas.

The stakes are $\pounds 2.99$ each, available in packs of ten with a discount of 10% when ordering five packs or more. Available only from Tacit - 0788 832166.

Iseki and Reekie sponsor quiz



Graeme Myles is presented with his prize

THE United States Golf Association's Green Section have invited Nicholas Park, a member of the Royal and Ancient Golf Club of St Andrews greenkeeping panel, to address four regional conferences in the north east United States during March. Mr Parks, topic is "Trends and problems in British

ALGINURE PLUS - for turf

A TOTALLY new addition to Alginure's range, designed for easier handling by greenkeepers, groundsmen and others responsible for turf maintenance, has been launched. Alginure's production methods have been modified to produce a smooth-running material which is easy to handle and will flow freely through most conventional spreaders.

The new product. called "ALGINURE PLUS - for Turf" incorporates an extra organic ingredient in powder form which separates the individual Alginure granules and allows them to flow easily. It also provides additional amounts of certain nutrients and trace elements, including nitrogen, phosphorus, potassium, A RECENT competition held by Reekie Golf Course Equipment and Iseki Tractors was won on a high note by Graeme Myles, head greenkeeper at Huntly Golf Course.

The competition was open to all greenkeepers in Scotland and the competitors had to answer various questions with regards to the full range of Iseki Tractors.

Graeme's name was drawn out of the hat by Mr G R Reekie, chairman of the G Reekie group of companies, at the Scotsturf exhibition. Graeme has been head greenkeeper at the club for two years and with his £350 prize money chose a midi hi-fi system. Reekie Golf Course Equipment intend to sponsor this competition along with Iseki on an annual basis.

greenkeeping'. Other well known names on the programme include, Eric Shiel, regional director of the USGA and Melvin B. Lucas Jr. CGCS, a former President of GCSAA. Mr. Park will be visiting Golf House, the home of the USGA and the centre for balls and implements testing worldwide.

magnesium and calcium. "ALGINURE PLUS - for Turf" builds on the proven soilconditioning properties of Alginure Soil Improver to supply some extra plant foods plus a new, easy-to-handle smoothness and proceeds a safe, effective conditioner for all turf surfaces. It can be used as a straightforward dressing or incorporated into balanced top dressing composts.

Alginure believe that the new product, used in conjunction with their liquid - Alginure Turf Supplement - will provide a total turf care package based on sound, proven organic products. They emphasis that ALGINURE PLUS is for established turf only and that where new construction occurs standard Alginure Soil Improver should be used.

NOTEBOOK

Wentworth Winner!

GOLF LANDSCAPES of Brentwood, have been awarded the contract, valued at nearly £1million, for the construction of the South Course at Wentworth.

The contract will be under the supervision of Martin Gillett, one of the company's specialist contract managers, with close liaison with the two directors Peter and Bob Dunning. Work is due to commence in mid-March with completion planned for October this year.

Kevin Munt, Wentworth's course manager, and a BIGGA Board of Management member is 100% behind the choice of sand-only construction for the greens and with the decision to turf them with "Inturf' rather than seed. Having had the third green on Wentworth's West Course rebuilt with this method of construction, Kevin is looking forward to having one crew working on 18 greens built of the same medium, which will require a totally different maintenance programme to the existing courses.

ED's note: A feature on the South Course at Wentworth will appear in next month's the Golf Course. Also there will be an article by Mike Canaway of the STRI on the R & A funded research programme for pure sand greens.



Supervisory roles for students

ELMWOOD College provides a complete range of courses for the greenkeeper - starting with the first year apprentices and going right through to those suitable for the head greenkeeper and course manager.

The students pictured above have just attended the 1988 one-week Supervisory Management course, which includes such topics as role of the supervisor, communications, labour profiles, accounts, stock control, conditions of

employment and associated legislation, staff motivation, budgeting, new pesticide legislation, public speaking and interviews.

The course, now in its sixth year, brings in several external speakers, experts in their field.

Mike Taylor, head of the horticultural and greenkeeping department at Elmwood has

asked us to express his thanks to the following for their support: John Souter, managing director, Souters of Stirling; Jimmy Neilson, head greenkeeper, Murrayfield Golf Club; Walter Woods, links supervisor, St Andrews and chairman of the college's greenkeeping advisory committee; Jimmy Kidd, estates and golf course manager, Gleneagles; Joe McKean, member of the college greenkeeping advisory committee; and Cecil George, head greenkeeper Lenzie Golf Club and Scottish education committee representative for BIGGA.

On the Sunday prior to the commencement of the course, Walter Woods gave a conducted tour of the Old Course at St Andrews. It is hoped that for the 1989 course there will be a visit to Gleneagles golf course and estates.

THE British Turf Irrigation Association has just produced a second edition of Your Guide to the BTIA. The first edition was very well received after it appeared in July 1986. Now, in the second edition. the Minimum Standards have been made more detailed and wider in scope. This will help everyone specifying or ordering an irrigation system. As Dr. Peter Hayes, Director of the STRI, says in his Foreword, "Irrigation is a complex technical subject, and those who install new systems, or have existing ones upgraded,

do not know all the questions to ask or the points to check. In this booklet, the Association commits its members to making adequate provision for all essential features of a system, and provides for action by the Association if anything remains unsatisfactory afterwards."

The Standards now deal not only with golf greens, tees, but also with fairways, with bowling greens and other sports turf areas, and even with landscape irrigation. There are several sections of useful formulae and figures to make it easier to follow the calculations and technicalities in specifications All this is accompanied by information on the Association itself: the qualifications which its members have had to demonstrate, the conditions of work and code of ethics they follow, and the Association's guarantee to take action in case of any dissatisfaction with a member's work which remains unredressed after due complaint.

The guide, available at £2.50 post free, from the Secretary, BTIA, 3 Ferrands Park Way, Bingley, W. Yorks. BD16 1HZ



NOTEBOOK

New Ranger

JACOBSEN'S new 7-Gang Hydraulic Ranger gives a tournament-quality cut on up to 60 acres per day with its productive, 15-foot cutting swath. Powerful hydraulic reel mowers cut heavy or wet grass easily, with plenty of extra power for large-area vertical mowing.

Tractor-mounted operater controls allow cutting with three, five, six or all seven reels. The Ranger is less than eight feet reel controls for vertical mowing and backlapping.

Combined with Jacobsen's G-20D turf tractor, the 7-Gang Hydraulic Ranger gives highproduction, quality mowing with low ground pressure, good manoeuverability, and

improved operater control. The unit can be pulled by any 35 PTO hp or larger tractor. The Ranger's hydraulic pump attaches directly to the tractor PTO, allowing sharper turns than models with a drive shaft connected to the PTO. The 7-gang Ranger can turn 180° without leaving an uncut circle of grass.

The 7-Gang hydraulic Ranger can be equipped with either six or ten bladed reels for a wide range of high-quality mowing applications. Reels can be freefloating to closely follow ground contours at low cutting heights on fairways and other formal turf areas, or they can be locked in a fixed position for efficient cutting of roughs and informal turf at higher cutting heights.

Vertical reels are available to convert the Hydraulic Ranger into one of the most productive large-area verticutters available. Blade spacing of 1 3/4" and penetration of up to 7/8" gives thorough, one-pass coverage.

HIGHLAND LEASING LTD, the UK's leading agricultural finance house, has appointed a specialist local authority sales team to cope with increasing demand for leasing services from the public sector. Specialist finance lease, contract hire and operating lease schemes will be offered

SIDEWINDER WINCH KIT

NOW available for Ninety and One Ten Land Rovers is a purpose designed kit for fitting a Sidewinder Winch. The winch is fitted under and behind the bumper bar in a concealed position, and it does not restrict airflow to the radiator. Operating from the vehicle's 12 volt battery, the Sidewinder which has a 9,000 lb pull rating, although in actual winch dynometer tests, units have pulled upwards of 13,000lb. Kits are pre-drilled for immediate easy assemble, and as an option can have cable operated free wheel from inside the vehicle cab. The fitting kits and Sidewinder winch for the Ninety and One Ten Land Rovers are available from the Sidewinder UK distributor,



Autosteer Controls Ltd, Grangefield Industrial Estate, Pudsey, Leeds and also I.C.M. (4x4) Equipment, Shay Lane Industrial Estate, Longridge, Preston. In addition, both companies offer a fitting service should this be required.

Hancox announced as sole distributor for Beaver Blade

J.H. HANCOX Limited has been announced as the sole UK distributor for Beaver Blade, which brings a novel approach to an host of jobs which are currently affected by conventional circular saw and brush blades.

The Beaver Blade is a disc of stainless steel which supports a fixed saw chain around the circumference. It is designed to fit saws or brushcutters with a one inch or less arbor.

The blade is capable of cutting hard and soft woods, chipboard, plastic, laminates and PVC pipe. When used on a brushcutter it has a faculty for cutting grass, weeds, brush and small trees without suffering

NEW SPECIALISTS

by Highland to help the public sector update equipment currently in use. According to Highland, local authority interest has been such that the need to create a specialist sales team was both inevitable and the problems of grass wrapping and kick-back.

The cutters stay sharper longer than conventional blades. This results in less wear on equipment and operator fatigue. Even flex drive brushcutters are able to fell 5" to 6" diameter trees without damage.

To conclude, Beaver Blades are versatile, durable and productive because one blade does all jobs, equipment powering the blade suffers less wear and the self feeding action of the hollow ground teeth speeds cutting.

For more details, contact Bob Watson, J H Hancox Limited, Alcester Road, Portway, Birmingham. B487JA

necessary.

Highland Leasing have 21 years of experience in devising unique and competitively priced financial packages. The company is part of the Barclays Bank Group and has its headquarters in Borehamwood, Hertfordshire. For more details phone on 01-207 4488.

NOTEBOOK

GOOD NEWS!

ELEVEN golf clubs have recently received the good news that one of their monthly medal competitions in 1988 will not now pose any drain whatsoever on their resources. They are the winners of a recent competition in which clubs requesting a drainage survey from BTR Landscaper would be entered into a free draw. The prizes for the eleven winning clubs was sponsorship for one of their Medal competitions in the form of a perpetual BTR Landscaper Trophy, a replica trophy, plus attractive prizes for the first three placed competitors. The competition was orginally announced in a mailing that went out to golf clubs throughout the UK and Ireland, explaining about the many advantages of using the super slim Hitek Fin Drains which could be installed with the minimal disruption to play. Over 150 clubs responded to the invitation, and of these, several of the clubs having now seen the Fin Drains and their benefit to the club, have placed orders. The draw was made by BTR Landscaper's managing director and arrangements are now being made with the winning clubs to hand over the sponsorship packages.

The model module from Conport

TO DATE, the module in all temporary building systems has been a box. Now, Conport offers the Flospan Freeline. Quite simply, a series of interlocking curves which give freedom to adapt the size of the building to requirements.

The price of a standard unit, including construction and delivery, is a fraction of the cost of a permanent building. Ideal for use as a storage shed for greenkeeping equipment or an office - or whatever else is required of it.

For a free brochure write to Conport Structures Ltd, 11 Kings Road, Sloane Square, London SW3 4RP, or telephone 01-730-9105.



THE BEST OF BOTH WORLDS

UNIVERSAL Materials has evolved a new type of Tee Mat system which combines what managing director Geoff Russell calls "the best of both worlds". The stance area is a traditional rubber link mat of the type which Universal, under their trade name "Unimat", has been making for over 50 years.

Constructed from used truck tyre material Universal claim these mats are easily the most durable on the market. The striking surface comes from Japan where its manufacturer Soko of Tokyo, is the largest supplier of artificial turf to the country's 3,000 driving ranges.

The mat is available in both single and double-ended configurations and is mounted on a treated wooden platform. The artificial grass runs the full width of the stance mat thus giving the user a generous area on which to position the ball.

For further details contact Geoff Russell on 01-421-1236.







WALTON HEATH GOLF CLUB Senior Assistant Greenkeeper

required for two 18-hole Championship Courses situated on Surrey Heathland under 20 miles from central London.

Applicants must be suitably experienced in Greenkeeping technique and the use of modern equipment.

An attractive remuneration package will include accommodation and benefits commensurate with this responsible position.

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

The Secretary, Walton Heath Golf Club, Tadworth, Surrey. KT20 7TP

HEAD GREENKEEPER BELHUS PARK GOLF COURSE

Up to £11,130 inclusive p.a. Thurrock is a rapidly developing Borough fronting the River Thames and enjoying excellent rail and road links with both London and the South East generally.

Applications are invited from persons of proven ability with suitable qualifications and experience in all aspects of Modern Greenkeeping. You should have a thorough knowledge of Golf Course design and the ability to direct, control and motivate staff. Applicants should also have knowledge of modern machinery, watering systems and machinery maintenance. A three bedroom house on site is provided at a nominal rent. The Council also offers a generous relocation package. The Council is an equal opportunity employer. Application forms are available from the Personnel Department. Civic Offices, New Road, Grays, Essex. Telephone Grays Thurrock (0375) 390000

Ext. 2078 quoting Post No. 2/43. Closing date: 28.3.88









invite applications for the post of

HEAD GREENKEEPER

situated in a pleasant rural area approximately 7 miles west of Hull. Large 18 hole parkland course opened 12 years ago has matured rapidly under the current retiring head greenkeeper to one of the finest in the area. Applicants should be fully experienced in all aspects of greenkeeping including machinery maintenance and be capable of controlling and motivating staff. Excellent modern equipment and facilities. Salary package negotiable. Apply in writing with full C.V. to:-

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

GLIEN GORSE GOLF CLUB invite applications for the position of GOLF COURSE SUPERINTENDENT

Cours

Applicants must be fully experienced in all aspects of greenkeeping and modern course management techniques. He will have a practical knowledge of modern machinery and the ability to lead and motivate staff. Salary is negotiable. Membership of the BIGGA and advantage. Applications with full C.V. to:-The Secretary, Glen Gorse Golf Club, Glen Road, Oadby, Leicester. LE2 4RF

ASSISTANT GREENKEEPER/FITTER

RICHMOND PARK GOLF CLUB

Experience of greenkeeping and machinery maintenance required. BIGGA members with proven ability preferred. Apply with C.V. and references to:-Golf Course Management, (Richmond) Ltd., Richmond Park, Roehampton Gates, Priory Lane, London. SW15 5JR

National Turfgrass Council

IS YOUR CLUB BREAKING THE LAW?

When it comes to using chemicals on your golf course did you know that these operations now come under the new Pesticides Legislation. **DON'T BE CAUGHT OUT** - it is **your** responsibility to ensure that you comply with the law.

The NATIONAL TURFGRASS COUNCIL have produced a Code of Practice to enable you to understand the law and how it affects your use of pesticides. This code has been endorsed by the MINISTRY OF AGRICULTURE FISHERIES & FOOD, and is the authoritative document for AMENITY TURF.

- THIS CODE IS ESSENTIAL -EVERY CLUB SHOULD HAVE ONE

"Code	of Practice for the use of approved
	pesticides in amenity areas"

J.P.Shildrick, Secretary, NTC, 3 Ferrands Park Way, Harden, Bingley, W. Yorks.

Name:_

Address:

CHEQUE ENCLOSED £7 inc. P&P

RECOMMENDED MINIMUM SALARY/WAGES SCALE

In response to many requests, the Association has formulated a recommended minimum salary/wages scale for 1988, although actual figures remain the subject of negotiation between the golf club and greenkeeping staff. The quoted rates apply to 18 hole golf courses.

Course Manager/Head Greenkeeper Deputy Course Manager/Head Greenkeeper First Assistant Assistant Greenkeeper Apprentice 50% of Assistant Greenkeeper rate i.e. and to increase annually by 12.5% £12,650 per annum* £ 9,100 per annum* £150.96 per week* £141.54 per week* £ 70.77 per week*

The First Assistant is a post designed to recognise a third-in-charge where appropriate to the size of the club. In cases where the First Assistant is the recognised Deputy the appropriate salary scale of $\pounds 9,100$ per annum should apply.

N.B. Staff in possession of recognised qualifications should have this reflected in an addition to basic salary.

- * Basic conditions of employment should include:-
 - (1) where accommodation is provided by the Club it should be rent and rates free with heating/lighting costs borne by the club.
 - (2) where accommodation is not provided by the club a suitable remuneration should be paid.
 - (3) 40 hour week
 - (4) Retirement Pension Scheme
 - (5) Telephone costs on club business
 - (6) Mileage allowance
 - (7) Time off to attend lectures, demonstrations, BIGGA functions and tournaments.
 - (8) If not salaried, basic overtime to be paid at time and a half with double time on Sundays and Statutory Holidays.

OBJECTS OF THE ASSOCIATION

To promote and advance all aspects of greenkeeping; to assist and encourage the proficiency of members; to arrange an International Annual Conference, educational seminars, functions and competitions; to maintain a Benevolent Fund; to act as an employment agency; to provide a magazine; to collaborate with any body or organisation which may in any way benefit the Association or its members or with which there may be a common interest; to carry out and perform any other duties or responsibilities which shall be in the general interests of the Association or its members.





CASTLETOWN GOLF LINKS HOTEL AND SPORTS COMPLEX ISLE OF MAN

EXPERIENCED FIRST ASSISTANT GREENKEEPER

required for this prestigious Golf Links which is embarking on an exciting development programme. Excellent opportunity for an ambitious experienced young Greenkeeper (age 25 to 35 preferred) wishing to further his career to Head Greenkeeper status.

Applicants should be qualified in all aspects of modern greenkeeping methods, machinery and maintenance of the latest equipment.

Salary commensurate with experience. Please reply in writing including full c.v. to:

J. E. Linaker Chief Executive Castletown Golf Links Hotel & Sports Complex Isle of Man Tel: 0624 822201

CASTLETOWN GOLFLINKS HOTEL Better Jobs

HEAD GREENKEEPER

Wage: Approx $\pounds 160$ inclusive of bonus and in charge rate for a 38 hour, 5 day week.

Required at Perivale Golf Course, a busy 9 hole municipal course. You must have experience in all aspects of golf course maintenance and be able to advise on and carry out course development work. You should also have the ability to supervise and motivate up to six staff. Accommodation may be available. Closing date: 30.3.88 Ref: 361 CSD (M).

Application forms obtainable from the Borough Personnel Officer, Ealing Civic Centre, 14-16 Uxbridge Road, London W5 2HL. Tel: 01-840 1995. Please quote appropriate reference.

Ealing's new Council welcomes applications from all regardless of sex, race, ethnic origin, responsibility for dependants, from people with

disabilities and from lesbians and gay men.

FRONT-RUNNER

Stay ahead of the competition with the 22 HP John Deere F 935 Front Mower. The quiet 3-cylinder watercooled diesel; the up to 72 in (184 cm) cutting width of rear or side-discharge rotary mowers; the comfort and operation-ease of hydrostatic drive, power steering and differential lock all mean you cut more grass and cut it better. The quality engineering one expects from the world's largest manufacturer of lawn and garden equipment, plus our extensive dealer network means you keep cutting. Job after job. Year after year. Learn more about the long line of John Deere quality grounds care equipment. Write your name and address below and send it to us.

RELIABILITY IS OUR STRENGTH





RESEARCH UPDATE...

Fusarium patch disease, caused by the fungus Microdochium nivale (previously Fusarium nivale) was first recorded on golf greens in 1931. Mr F T Bennett, recognised as a pioneer researcher on turf diseases, reported the disease as being the commonest, most disfiguring and damaging disease of turf known at that time. More than fifty years later, despite the development of effective fungicides, this statement is still true today. This article details the cultural and environmental conditions that favour fusarium patch and pink snow mould (also caused by *M.nivale*). For both diseases the most effective prevention and control methods available are described.

AS the cold, wet winter months are now with us, many greenkeepers, during the inspection of greens under their charge, will have seen the alltoo-familiar symptoms of fusarium patch disease.

If effective control measures are not deployed, under favourable conditions fusarium patch will spread and may cause significant damage.

Indeed, fusarium patch may scar the surface to such an extent that an uneven putting surface is produced with deleterious effects on the visual attractiveness and playing quality of the green. Pink snow mould can be very destructive under prolonged snow cover, as experienced in more northerly regions.

The ability to recognise the early signs of fusarium patch and pink snow mould is essential, as is a knowledge of the environmental conditions that favour these diseases and measures that should be taken to control their growth.

Fusarium patch usually first appears as small (up to 5cm diameter) orange/brown watersoaked circular spots (Figure 1) which, under favourable conditions, may increase rapidly and coalesce together to form large circular patches. Correct diagnosis of these early signs is important as the best possible control will be achieved if the disease is treated at this early stage.

Under prolonged humid conditions sparse white or pink mycelium may be seen around the edges of each patch which tends to mat the green leaves together. A pale straw colour at this time indicates that the disease has become less active, perhaps due to a drier climate.

Eventually scars are formed (Figure 2) which, particularly in the winter months, heal up slowly and are consequently prone to invasion by moss, undesirable grass species and weeds. If treatment is delayed

by Neil Baldwin plant pathologist at the Sports Turf Research Institute

until these later stages of disease development, only poor control will be achieved.

M.Nivale may also develop under snow, in which case the correct name is pink snow mould (Figure 4). After prolonged snow cover, large bleached patches of turf may appear, covered by white or pink mycelium, matting the leaves together.

If the disease cycle for fusarium patch is examined (Figure 3), useful information on how it can be prevented or controlled can be gained.

The fungus responsible for fusarium patch, *M.nivale*, is a common soil fungus, universally present in golf greens, surviving unfavourable conditions in the thatch layer as pieces of dormant mycelium.

When conditions favouring disease outbreak prevail, then this mycelium can start to grow, produce spores, infect plants and spread to form the characteristic orange/brown patches typical of the disease. The active fungus can then spread by wind and/or water splash to areas of healthy turf in which new outbreaks of fusarium patch or pink snow mould can then take place.

If steps are taken to reduce or even eliminate the factors that favour disease development, then the cycle can be slowed down or even stopped. This can be achieved through an integrated disease control programme.



Figure 1: Early symptons of fusarium patch disease