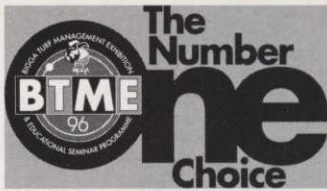


Contracting (Owmbly) Ltd has not only successfully constructed many prestigious new developments but has also been active in the upgrading and improvement of numerous existing golf courses. A few recent Championship courses constructed by Fox Contracting have been, Aston Wood on the outskirts of Sutton Coldfield, The Oaks at Aughton near York, Batchworth Park, Rickmansworth and Waltham Windmill, South Humberside to name but a few.



Working for the good of the fine turf industry

## WHO TO LOOK OUT FOR AT THE SHOW

### JD GREASLEY LIMITED

The company has enjoyed a busy year having constructed a new 11 holes at the Gog Magog Golf Club, Cambridge, designed by Hawtree.

Many alterations have also been completed on existing courses including Tynemouth GC, The Leicestershire GC, Chirk G&CC, Whittington Heath GC, West Middlesex GC, West Derby GC; Liverpool, Glen Gorse GC.

Alterations and refurbishment works to greens, tees, bunkers, lakes and water features on existing courses now account for a substantial part of the company's turnover. We offer both a design and construct service or construct in accordance with the clients architects designs. We are pleased to visit your site to discuss requirements and offer free estimates and advice.

### HAYTER LTD

Hayter will have on show grass cutting machinery designed to meet all needs

for the golf course professional and local authority market. See British engineering at its best on both triple units and gang mowers. The FM514 Fairway mower, LT312 Triple unit and TM520 gang mower are just a few of the machines on display. Visit Stand C42 to view the range and see why Hayter is justifiably proud of its equipment.

### THE INTURF GROUP

The contributions the Inturf Group has made to the turf industry since 1985 have been highlighted by their ongoing programme of development and refinement works with turfgrass specification and actual turfing systems, including those of the revolutionary Big Roll and Lay 'n'play turf tiles.

A large percentage of Inturf's business is conducted with professional sporting clubs, the remainder being around the prestigious landscaping sector.

### KUBOTA UK LTD

As well as the Grandel tractor range

and the ST-30 tractor, Kubota (UK) Ltd is showing a new ride-on model at BTME '96. The Grandel series, which comprises three models in the 34hp - 44hp class, features fully synchronised transmission, creep gear box and independent PTO as standard. At the show they are fitted with a variety of Kubota matched attachments. Popular on the golf course, the 29hp ST-30 which incorporates the Bi-Speed turn feature for tighter turning, is fitted with a 'Q' cab at the show.

### LAMBORGHINI UK

25, 33 and 42 DIN HP compact models, 12x12 synchro shuttle gearboxes. Independent 540/1000 rear PTO 2000 RPM M10 PTO. Powerful hydraulic linkage (1200kg) with position and draft control. Optional weather canopy. Loader, backhoe, mowereck and collector available.

60 and 75 DIN HP lightweight, versatile general purpose models. 60 and 70 DIN HP compact models, high specification with 40 kph road speed, options of reverse drive and front linkage with PTO. All tractors carry a unique 3 year 3000 hour full manufacturer's warranty. Lamborghini designs and manufactures its products in accordance with its ISO 9001 certification.

### NATURE FIRST LTD

Nature First Ltd offers a comprehensive arboricultural service on a nationwide basis. Experts in supply, planting and maintenance of semi-mature

trees, the company undertakes major contracts for a wide range of clients. Transplanting of trees using their modern fleet of tree spades is regularly undertaken with excellent success rates. Machines with a rootball size of up to 2.1m are available for hire with experienced operators.

Dedicated to the supply of the complete arboricultural service the tree surgery division of Nature First has the facility to offer services such as consultancy, stump removal and brushwood chipping as an integral part of the operation. Highly skilled staff and modern mechanised techniques enable the company to offer competitive quotations in all areas. Enquiries are invited for contracts in Great Britain and Europe.

### Ocmis IRRIGATION (UK) LTD

Ocmis are irrigation experts with a referral driven reputation in system design, manufacture and supply, installation and service for all sports turf, landscape and amenity areas. We are also specialists in the refurbishment and upgrading of existing systems.

Ocmis are distributors for Rainbird, Buckner & Hunter and can supply and service any other make of equipment. Throughout the United Kingdom Ocmis stock MDPE & UPVC pressure pipe, associated fittings, pumping units, electric cable and mobile irrigators.

Ocmis' unique in house design capa-

# Lamborghini



From one of Europe's largest specialist tractor manufacturers comes a superb range of models eminently suitable for all groundcare work.

Compact models from 25-75HP. All with economical low emission diesel engines;

12 x 12 synchro-shuttle gearboxes; highly manoeuvrable 4 wheel drive;

4 wheel oil immersed brakes from 60HP for greater safety; powerful hydraulics and all with ground preserving low weight for reduced compaction.

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See us on  
Stand C36  
at BTME

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bilities ensure that the requirements of each client are individually met and that each project is given independent attention.

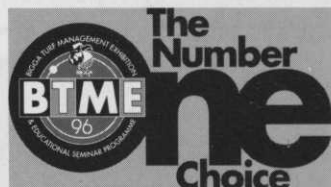
For more information, or a no obligation survey and design contact Ocmis Irrigation (UK) Ltd, Head Office – 01460 241939, Midlands – 01789 414604, Northern – 01924 453102 and Scottish Office – 01312 202102.

#### PATISSONS

Pattissons celebrate their centenary year, and what a landmark it is for the golfing industry. Pattissons will be launching their 100/100/100 club at Harrogate, they will be sponsoring greenkeepers to attend the education programme and details of this will be available from BIGGA. Many surprises lie in store for the year, including the introduction of three new products currently on test. The new limited edition brochure will be launched with a centenary calendar on the centre pages. The calendar shows 100 years support to the greenkeepers – and for some greenkeepers it will be a walk down memory lane.

#### PETROLEUM PRODUCTS & SERVICES LIMITED

Alan Shepard played golf on the moon – we helped put him there! LE oils and greases are currently being used by over 600 golf clubs and turf management companies throughout the United Kingdom. LE's high performance grease contains Almagard, LE's



Working for the good of the fine turf industry

### WHO TO LOOK OUT FOR AT THE SHOW

exclusive wear reducing additive which won't wash-out or pound out. All our products are designed to deliver higher performance levels than others. Maintenance and downtime costs are cut dramatically so you, the end user, will recover the initial cost of the lubricant many times over. Don't just take our word for it, come and see for yourself how our products compare with our competitors. Demonstrations will be given throughout the exhibition.

#### PHOENIX SPORTS TURF SERVICES

If you have never used cockleshell for your pathways then a visit to the Phoenix stand is a must. Our members of staff will give you full details of the product which is now used by over 400 golf courses throughout the UK including St Andrews, Carnoustie and Sunningdale. Also on show will be the wide range of Top Dressings and construction rootzones available from our quarries throughout England and Scotland. Our Top Dressing are some of the best and most affordable in the

country and we can now meet USGA specifications. Phoenix will also be showing the Dunlop Winter tee mat and many other products. Please feel welcome to call for a coffee

#### RANSOMES

Ransomes is introducing a new dedicated fairway mower at BTME. Known as the Fairway 305, this latest ride-on, five-unit mower complements the existing range of Ransomes Fairway 250 lightweight fairway mowers to bring high levels of performance, operator comfort and economy to fairway mowing operations.

Other important products to be featured on the Ransomes exhibit are the T-Plex 185 tees and surrounds mower, a Cushman Turf-Truckster with top dresser, a Ryan GA30 aerator and Ryan Mataway dethatcher/overseeder and three superb greens mowers – the walk-behind Greens Super, the class-leading G-Plex and the electrifying E-Plex, the world's first all-electric greens machine.

#### RHÔNE-PÔULENC ENVIRONMENTAL PRODUCTS

Come along to the Rhône-Poulenc stand and pick up your free copy of our new, IOG award winning, technical manual.

The manual is produced in full colour and broken down into colour coded, tab marked sections, eg. fungicides. Each section begins with helpful infor-

mation including colour photographs of the major weeds, diseases and pests to help with identification. After all, correct identification is the basis of control! The section then continues with label information and a colour pack shot for each product in our comprehensive range.

#### SERVICE CHEMICALS

The latest product from the makers of Turfex is Budget Iron, and economical liquid chelated iron for winter use on large turf areas. Budget Iron has none of the disadvantages of 'soluble' irons. Being based on chelated iron it will harden the grass without over acidification or leading to the formation of iron pans in the root zone. Please see the enclosed information leaflet on Budget Iron, for further information please call Service Chemicals on 01327 704444 for the location of your nearest distributor.

#### SEWARD TURF MAINTENANCE

Specialising in turf compaction, Swards is the first company in the UK to operate the vertidrain, and now has available two 2.5m fairway and two 1.45m greens machines. Swards have now added their own developed sand and gravel slitting machine to their range for both sale and hire. Overseeding is carried out with various types of drills, hollow tining fairway grooming with a collector is also available. Top dressing is carried out with a one and four-ton spreader. We are

# BIG DEWIE

*It's sweeping the Greenkeeping Profession*

A 3 metre wide lightweight brush that can be easily pushed across Greens, Tees and Approaches to remove dew

The "BIG DEWIE" has been available for over a month and is now being used by a considerable number of Greenkeepers. If you have already got one, read no further – if you have not... read on.

Some comments from Greenkeepers using "BIG DEWIE":

*"It has cut dew removing time by three quarters" • "I use the "BIG DEWIE" on Greens, Tees and Approaches. It gives a very professional finish" • "The advantage I find over the traditional switch is the time it saves and its ability to get the dew off undulating greens"*

We are so confident that, once you have tried a "BIG DEWIE" you will want to keep it, we are offering you the opportunity to try one on a SALE OR RETURN basis. If you do not get on with it, give us a call within 14 days and we will arrange to collect it – free of charge.

*Warning:* CMW cannot accept responsibility for the friction caused by Greenstaff if only one "BIG DEWIE" is ordered. Due to the ease of use and speed over the traditional switch, fights are starting if someone has to go back to the switch, once they have used the "BIG DEWIE".

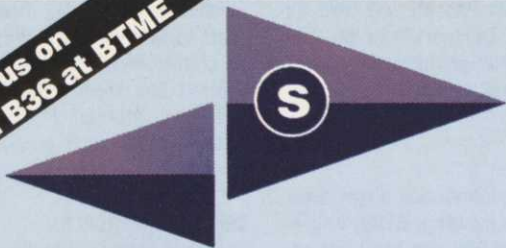
**Price: £78.65, Carriage: £8.40, plus VAT at Standard Rate.**

**Available from: CMW Equipment Company, 3 Priors Way, Coggeshall Industrial Park, Colne Road, Coggleshall, Essex CO6 1PW Telephone (01376) 562569 Fax: (01376) 563183**

**SEE US ON STAND A21 AT BTME**



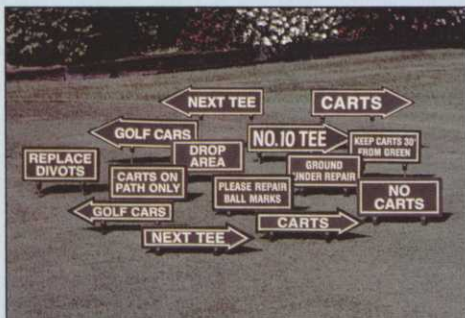
See us on  
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## STANDARD GOLF FOR ALL YOUR COURSE EQUIPMENT

The rugged Pro-Line Standard Tee Console is designed and constructed to last for years. The tee data information sign, hole number, par, handicap and yardages are engraved on tough, resilient acrylic material, and the background colour of the sign matches the ball washer and litter caddie colours. You can specify up to four different yardages which should be coloured to match the tee markers.

**£309.59 complete PLUS VAT**

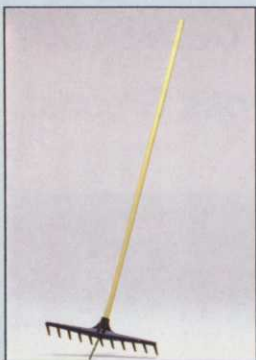


You will appreciate the classic, subtle beauty of our new Green Fairway Signs & Directional Arrows. The bright white type is highly visible and readable. And since they're

manufactured from cast aluminium, they'll last for years and years.  
**Fairway signs £17.31 each**  
**11" Directional Arrows £12.86 each**  
**15" Directional Arrows £23.24 each**  
**PLUS VAT**

Our Economy Rake is priced so low, you can order several for each bunker! The full-size 15" head is made from high-impact, molded plastic, and the 4' bright yellow handle is available in wood or long lasting fibreglass. NB: we no longer fit spikes as standard.

**Complete rake w/ Yellow Wood Handle: £4.70 each plus VAT in packs of 12**



**Ask for our full colour 1996 Catalogue and Price List**

Driving Mat 1.5m x 1.5m guaranteed for 12 months  
@ £195 each (or £165 each for nine).

Contact Paula or Lisa at: Standard Golf (UK) Limited,  
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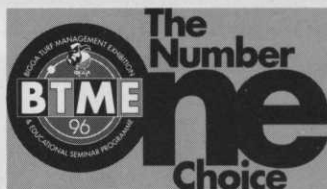
also distributors for force limagrass seeds, fertilisers and top dressing.

#### STANDARD GOLF (UK) LTD

Standard Golf UK Ltd will be displaying a complete range and colours of American Equipment and also UK manufactured Golf Equipment. Standard Golf UK Ltd offer a complete range of Golf Course Furniture and are also distributors for Tacit, Patissons and Stewarts of Edinburgh. Standard Golf UK Ltd are truly the one-stop Company for all your Golf Course needs. The 1996 addition to the Standard Golf range will be on show together with Winter tee mats, driving range mats and a complete range of course signage, offering the widest choice available on the market. Duncan, Andrew, Lisa and Paula will be on Stand B36 to answer your queries and to demonstrate the equipment on offer. There is a special show offer to visitors of the BTME and details will be available on our stand.

#### TILCON TRUSCAPE

Tilcon Truscage will be exhibiting its Tyrham Hall peat products for the first time at BTME '96. The materials are produced from Tilcon's extensive reserves of peat at Hatfield Woodhouse located between Doncaster and Scunthorpe. As well as traditional peat Truscage has now developed a peat/soil material produces an organic product which provides an excellent



Working for the good of the fine turf industry

### WHO TO LOOK OUT FOR AT THE SHOW

rootzone medium or topdressing. Visit the Tilcon Truscage/Bourne Amenity Stand at BTME and speak to Dave Lainton for more information on this excellent natural product as well as any others from the Truscage range. Terry McGarrigle will also be on the stand at Harrogate to talk to anyone interested in the very popular Harden Red aggregates. If you want a pathway, car park or decorative feature that is beautiful to look at and yet easy to maintain then come and speak to Mr T about his full range of chippings and the unrivalled Redtrak.

#### TILDENET LTD

Tildenet Ltd will be exhibiting its established germination material while introducing the new economy material. The economy germination material will enable greenkeepers to cover large areas at a fraction of the cost. As market leaders in Sports Balltop netting, Tildenet can offer advice on installation or a free site survey. Other products include antiball plugging net;

target nets; chipping nets and golf practice nets. Adding to this range is the new Epic target greens and their latest net bay dividers as used at Celtic Manor.

#### TORO COMMERCIAL PRODUCTS/LELY UK

Toro is launching the industries first 7-plex fairway mower – the Reelmaster 6700-D – and is showing four other turf maintenance machines recently added to the range. The 6700-D is a powerful new fairway mower with a 133" cutting width, designed to give a quality cut at high levels of productivity. Among many new innovative features, the 42hp machine boasts Toro's unique L-I-N-K-S cutting unit suspension system, to "hug" the turf and reduce "bobbing", even at very high forward speeds. Also on the stand is the Reelmaster 6500-D, a slightly smaller 38hp model with five cutting units and a working width of 96". They are joined by the Reelmaster 2300-D precision-cut tees mower, the ultra-quiet Greensmaster 3200-D ride-on greensmower, and the 4-wheel drive Workman 4000 Series utility vehicle.

#### VITAX LTD

With over 50 years experience of supplying a range of high quality cost effective products to the professional amenity and grower markets, Vitax will be displaying its full range of sport amenity chemicals and key

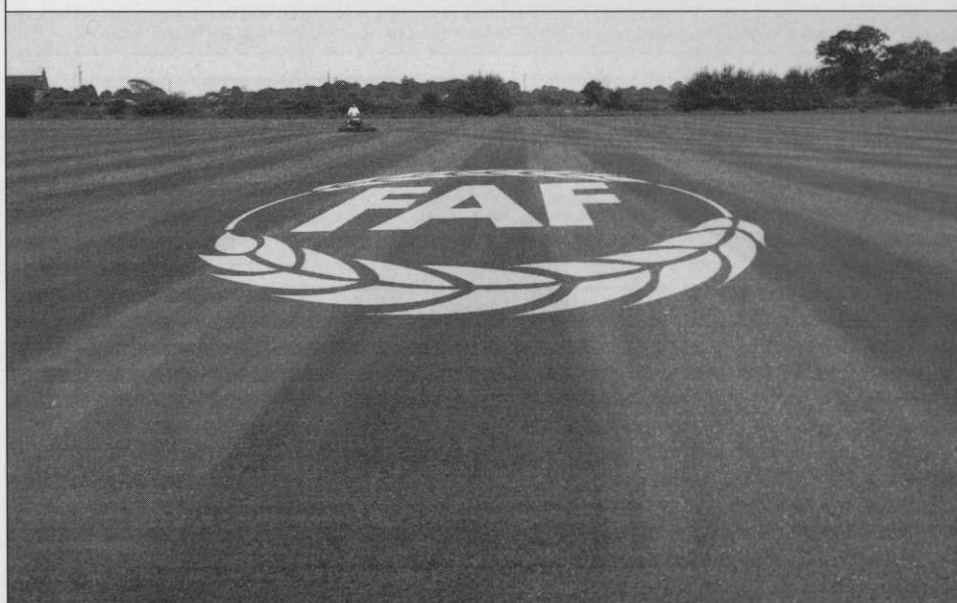
range fertilisers. Plus with the success of last years prize draw scheme for a BIGGA gift voucher, we shall be running the same prize draw at this year's show. The value of the voucher has been increased to £150.

#### WIENDEMANN (UK) LTD

Wiedenmann (UK) Ltd, the Scottish based importer of the highly successful Terra-Spike machine, will be exhibiting a Terra-Spike P160 on their stand at BTME 96 in Harrogate. Wiedenmann UK sell through a nationwide dealer network, and have sold many Terra-Spikes to golf courses, local authorities and private sports clubs. The Terra-Spike is the most versatile deep spiker available and is packed with operator friendly features such as simple and easy to use infinite heave adjustment, controllable depth adjustment via a single winding handle and a unique line retention design. Choose between 8mm, 12mm, 19mm and 25mm diameter solid tines, 12mm, 20mm and 25mm hollow tines and slitting tines. Extras include rear rollers, brush attachments and a multi-tine holder. For further details on the Terra-Spike range, please call by the Wiedenmann stand at BTME or telephone Gordon McMurdo on 0141 884 2552.

■ Full catalogue listings of the 162 exhibitors at BTME 96 will appear in the next, special issue of Greenkeeper International

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# GREENKEEPER

## THE COLLEGES AND THE

The Greenkeepers Training Committee (GTC) are continually reviewing the approved status of colleges offering greenkeeper training courses.

The directory shows colleges offering courses to craft, supervisory and management levels, but it must be stated that until the GTC review is completed only the green coded colleges are approved to train greenkeepers beyond craft level.

The introduction of vocational qualifications into industries, has caused the colleges

to re-think their training policies and the GTC will be issuing guidelines for the golf greenkeeping industry as to which colleges employers and their staff should be supporting.

Anyone with a query regarding greenkeeper training should contact the Greenkeepers Training Committee at Aldwark Manor, Aldwark, Alne, York YO6 2NF, telephone 01347 838640.

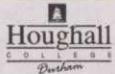
NORTH



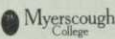
**ASKHAM BRYAN COLLEGE** Askham Bryan, York YO2 3PR. Contact Christine Biglin, registrar. Tel: 01904 702121. *Full time courses:* National Certificate – Horticulture; National Diploma – Amenity Horticulture; Higher National Diploma – Horticulture (golf management options). *Part time courses:* NVQ Level 2, City & Guilds Phase III and IV Greenkeeping.



**CITY COLLEGE MANCHESTER** Wythenshawe Park Centre, Moor Road, Manchester M23 9BQ. Contact Peter Riley/Martin Webb. Tel: 0161 957 1526. Day Release and Full Time courses leading to NVQ Level II Amenity Horticulture with the Greenkeeping option.



**HOUGHALL COLLEGE** Durham College of Agriculture and Horticulture, Houghall, Durham DH1 3SG. Contact Tony Milan. Tel: 0191 386 1351. *Full time courses:* National Certificate in Horticulture/Greenkeeping and Groundsmanship – 1 Year; National Diploma in Horticulture Turf Option – 2/3 years. *Part time courses:* Greenkeeping and Sportsturf Management Level II – Day Release; C&G Phase III Enterprise Management – Afternoon Evening. *Short Courses:* Health & Safety Legislation; Turfcare; Machinery and Mechanisation. All courses contribute towards NVQ Levels I and II.



**MYERSCOUGH COLLEGE** Myerscough Hall, Bilsborrow, Preston, Lancashire PR3 0RY. Contact Martyn Jones. Tel: 01995 640611. *Full time courses:* National Certificate in Groundsmanship and Sports Turf Management – 1 Year; BTEC National Diploma in Turf Science and Sportsground Management – 3 Years; BTEC Higher National Diploma in Turf Science and Golf Course Management – 3 Years (Both these courses include one year's paid industrial experience). *Part time courses:* NVQ Level II Greenkeeping; NVQ Level III Sportsturf Maintenance; Certificate and Diploma in Turf Irrigation (in conjunction with BTLIA). A range of short courses including FEPA, First Aid and various technical modules.



**REASEHEATH COLLEGE** Nantwich, Cheshire CW5 6DF. Contact Dennis Mortram. Tel: 01270 625131 Fax: 01270 625665. *Full time:* BTEC First Diploma Horticulture (Sportsturf Option) – 1 year. BTEC National Diploma Horticulture (Sportsturf Option) – 2 years. BTEC Higher National Diploma Golf Course Management – 3 years. *Part time:* HNC Golf Course Management – Distance Learning. NVQ Level 1 Greenkeeping – Day Release. NVQ Level 2 Greenkeeping – Day/Block Release. NVQ Level 3 Greenkeeping – Day/Block Release. C&G Phase IV Greenkeeping – Block Release. IoG National Intermediate Diploma in Turf Culture – Day Release. IoG National Diploma – Day Release. *Short Courses:* FEPA Chemical Safety; Safe Lifting; Chainsaws; Off-Road Vehicle Driving; First Aid.



**BRACKENHURST COLLEGE** Southwell, Nottinghamshire NG25 0QF. Contact Student Administration. Tel: 01636 812252. National Certificate in Horticulture, Greenkeeping and Sportsturf Management – 1 Year. *Day Release over 2 Years:* NVQ Level 1 Amenity Horticulture; NVQ Level II Amenity Horticulture with options. City & Guilds Phase 3 Greenkeeping Management. We also offer short courses in Technical, Supervisory and Management skills training appropriate to the Greenkeeping Industry.



**BROOKSBY COLLEGE** Brooksby, Nr Melton Mowbray, Leicestershire LE14 2LJ. Contact Ann Hurt. Tel: 01664 434291. *Full time courses:* National Certificate in Horticulture, Greenkeeping and Sportsturf Management, National Diploma in Horticulture. *Part time courses:* Day Release training to NVQ Level II in Amenity Horticulture – Greenkeeping Option (the course is based around the GTC Training Manual). Short courses also available in Horticultural Machinery and Arboriculture.



**BROOMFIELD COLLEGE** Morley, Ilkeston, Derby DE7 6DN. Contact Admissions Officer. Tel: 01332 831345. NVQ Level I and Level II Amenity Horticulture (Greenkeeping) Block Release course. Two years duration presented in 12 one-week blocks following guidelines of GTC Training Manual. NVQ Level III gained by 9x 3-day blocks, or APL service.



**CAMBRIDGESHIRE COLLEGE** Milton Centre, Landbeach Road, Milton, Cambridgeshire CB4 6DB. Contact Martin Crimmins. Tel: 01223 860701. Part time – Day Release over two years leading to NVQ Level II (Greenkeeping Options), including the GTC Training Manual requirements. Autumn term commences September/October 1996.



**DE MONTFORT UNIVERSITY School of Agriculture and Horticulture, Lincoln** Caythorpe Court, Caythorpe, Grantham, Lincs. Contact Neil Rowbottom on 01522 522252 or Student Services on 01400 272521. Day Release NVQ Level II. NCH with Greenkeeping. National Diploma in Horticulture with Greenkeeping and Turf Management options. National Diploma in Golf Studies pending approval. Also HND Golf and Leisure Studies.



**RODBASTON COLLEGE** Rodbaston, Penkridge, Stafford ST19 5HG. Contact Nigel Foskett. Tel: 01785 712209. Courses offered: Craft Level NVQ Level I, II and III. Day Release. Duration: Over two years, each of weeks duration (September – June). Registration Date: Please contact the College.



**WARWICKSHIRE COLLEGE** Moreton Morrell, Warwick CV35 9BL. Contact G. Martin. Tel: 01926 651367. Greenkeeping courses – day release – NVQ Level I; NVQ Level II; NVQ Level III; IoG courses, National Intermediate Diploma in Turficulture; Full time two year BTEC National Diploma in Horticulture (with option in Turf-culture); *Professional updating courses include:* Groundsmanship, Machinery Maintenance and Repair, Managing Conservation Areas, Plant Identification, Hedgelaying, First Aid, FEPA Spraying Courses, Chainsaw Courses.



**BRINSBURY COLLEGE** North Heath, Pulborough, West Sussex RH20 1DL. Contact Keith Harrison. Tel: 01798 873832. *Full time courses:* New Entrant to Greenkeeping Course – 36 weeks; NVQ II Greenkeeping option plus core. Approximately a third of the course is delivered on college's and local golf course. *Part time:* Day Release to NVQ II level. Both full time and part time students with work both to the NVQ II work book and the Greenkeeper manual. NVQ Level II (National Technical Certificate) with inst. of Groundsmanship manual may be delivered as an evening course. NVQ Level III Sportsturf Maintenance. ND Landscape Studies (Option – Sportsturf Management and Greenkeeping). *New courses and qualifications:* National Technical Certificate (IoG), National Practical Certificate (IoG), Intermediate Diploma (IoG), National Diploma (IoG)



**HADLOW COLLEGE** Hadlow, Tonbridge, Kent TN11 0AL. Contact Keith Backhouse. Tel: 01732 850551. NVQ Level II and Level III Part-time Day Release with two periods of Block Release or evenings. Level II in Groundsmanship evenings. NVQ Level III Golf Greenkeeping. Centres at Hadlow, Canterbury and Maidstone.



**MERRIST WOOD COLLEGE** Worplesdon, Guildford, Surrey GU3 3PE. Contact Student Services. Tel: 01483 232424. *Full time courses:* National Certificate in Greenkeeping and Sports Turf Management. *Part-time:* NVQ Amenity Horticulture Greenkeeping Level 1, NVQ Amenity Horticulture Greenkeeping Level 2, NVQ Amenity Horticulture Sports Turf Maintenance Level 3. National Diploma in Greenkeeping and Sports Turf Management (subject to BTEC approval)

MIDLANDS

SOUTH EAST



# ER TRAINING

## E COURSES AVAILABLE

# GREENKEEPER

International

### KEY TO COLOURS

Currently GTC approved as Regional Training Centres, offering courses at Craft, Supervisory and Management levels

Currently GTC approved for training courses up to Supervisory level

Currently GTC approved for training courses up to Craft level only

Pending GTC approval for all courses

Please note that all college details on these pages were provided by the colleges themselves.

Greenkeeper International takes no responsibility for accuracy of information provided.

Contact the colleges direct for prospectuses and comprehensive information.

SOUTH EAST

**NESCOT** North East Surrey College of Technology, Reigate Road, Ewell, Epsom, Surrey KT17 3DS. Contact Dr S Shaw. Tel: 0181 394 3099/3111. NVQ Levels I, II and III in Amenity Horticulture (Greenkeeping options) Training and assessment for the Greenkeepers Training Manual. Part time, Day Release. Duration: Two years to Level II. FEPA Spraying Courses.



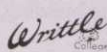
**OAKLANDS COLLEGE** Oaklands Campus, Hatfield Road, St Albans, Herts AL4 0JA. Contact Ian Merrick. Tel: 01727 850651. Part time courses leading to NVQ Level II Greenkeeping, evening courses leading to City & Guilds Phase IV Business Management. One year full time NC Greenkeeping & Sports Turf Management. Courses start September 1996.



**OTLEY COLLEGE** Otley College, Otley, Ipswich, Suffolk IP6 9EY. Contact Student Applications. Tel: 01473 785543. Full time courses: BTEC National Diploma - Sports Turf Management. National Certificate in Horticulture, option in Sports Turf Technology. Part time NVQ 2 Golf Greenkeeping and NVQ 2 Groundsmanship, NVQ 3 Sports Turf Management. IoG Intermediate and Final Diplomas (Evenings). NVQ Horticultural Mechanics. FEPA Courses PA1, PA2, PA6. Otley College ★ Developing individuals ★ Achieving more.

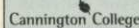


**PLUMPTON COLLEGE** Lewes, East Sussex BN7 3AE. Contact David Blackmur. Tel: 01273 890454. Full time courses: National Diploma in Amenity Horticulture (options in Landscape and Sportsturf); National Certificate in Amenity Horticulture; First Diploma; A11 BTEC. Part time courses: NVQ Level II Amenity Horticulture in Arboriculture, Interior Landscaping, Hard Landscaping and Greenkeeping, Sportsturf and Sportsground Management; NVQ Level III Amenity Horticulture; Phase IV Business Management.



**WRITTLE COLLEGE** Chelmsford, Essex CM1 3RR. Contact Dai Edwards. Tel: 01245 420705, Fax: 01245 420456. Part time courses include: NVQ Levels I, II, III and IV Sportsturf & Greenkeeping. Day Release. Includes training and assessment of Greenkeepers Training Manual. Full time courses include: BTEC First Diploma (1 year), BTEC National Diploma with Option in Sportsturf and Golf Course Management, 3 year sandwich course; BTEC Higher National Diploma with Option in Golf Course Management 3 year sandwich course, BSc (Hons) Degree course in Landscape and Amenity Management. Short courses for FEPA, Irrigation, Fork Lift Trucks, Chainsaws and First Aid also available. Associate students welcome, progression routes identified, accreditation of prior learning possible.

SOUTH WEST



**CANNINGTON COLLEGE** Cannington Bridgwater, Somerset TA5 2LS. Contact Nick Rigden. Tel: 01278 652226. HNC Golf Course Management. BTEC First Diploma. BTEC National Diploma in Golf Course Management. BTEC Higher National Diploma Golf Course Management (inc. European Studies). NVQ Level 1 and 2 Golf Greenkeeping. NVQ Level 3 Greenkeeping and Supervisory Management. NVQ Level 4 Greenkeeping Management. FEPA Training, Chainsaw Certification, Off Road Vehicle Certification, Greenkeeper Mechanics.



**HARTPURY COLLEGE** Hartpury, Nr Gloucester GL19 3BE. Tel: 01452 700283, Fax: 01452 700629. Amenity and Decorative Horticulture: NVQ Level II and III, First Diploma, National Certificate, National Diploma and HND Land Use. Greenkeeping and Sportsturf Management: NVQ Level II and III, First Diploma, Certificate, National Diploma and HND Land Use. Golf Studies: National Diploma. FEPA Training.



**SPARSHOLT COLLEGE** Sparsholt College Hampshire, Sparsholt, Winchester, Hants SO21 2NF. Contact Bob Young. Tel: 01962 776441. NVQ Level 2 Greenkeeping Practice, NVQ Level 3 Greenkeeping Supervision, City & Guilds Phase IV Management Studies, GTC: Greenkeeping Certificate, GTC: Certificate in Golf Course Supervision, FIPA: Short Courses, Chainsaw: Short Courses. All courses, other than Phase IV, are offered on Block release. Full residential facilities available.

SCOTLAND



**ELMWOOD COLLEGE** Cupar, Fife KY15 4JB. Contact Carol Borthwick. Tel: 01334 652781, Fax: 01334 656795. Craft Level courses. Block-release and full-time, following SVQ Level II and the GTC Training Manual. Six week specialist modular programme (January-February), including Golf Course Construction, Pesticide Application and Plant Protection Procedures. SVQ Level III (Supervisory) Block Release. HNC/HND Golf Course Management available as full-time, day-release and distance learning. FEPA, COSHH and Health & Safety short courses also.



**KYLE AND CARRICK DISTRICT COUNCIL** Burns House, Burns Statue Square, Ayr KA7 1UT. Contact Lesley Keenan. Tel: 01292 281511. SCOTVEC National Certificate in Greenkeeping - Day Release up to three years. SVQ Level II Amenity Horticulture. Students can enrol at any time.



**LANGSIDE COLLEGE GLASGOW** Langside College Glasgow School of Horticulture, Woodburn House, Buchanan Drive, Rutherglen G73 3PF. Contact Colin S Urquhart. Tel: 0141 647 6300. SCOTVEC National Certificate - 3 years day release or 1 year full time. Higher National Certificate in Golf Course Management - 2 years day release. SVQ Level II Amenity Horticulture with Greenkeeping options plus a range of NC and HNC Horticulture programmes including G SVQ Level III. Short courses on a range of subjects including Tractor Operations and the Safe Use of Pesticides can be negotiated.



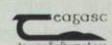
**OATRIDGE COLLEGE** Ecclesmachan, Broxburn, West Lothian EH52 6NH. Contact Steve Miller. Tel: 01506 854387. Full and part time courses: Higher National Certificate in Golf Course Management; National Certificate in Greenkeeping; National Certificate Modular and Scottish Vocational Qualification Level I and II. National Certificate in Hort. Machinery. Short specialist courses - including safe use of chemicals, operation of greenkeeping machinery.

Northern Ireland



**GREENMOUNT COLLEGE** Greenmount College of Agriculture and Horticulture, Antrim, BT41 4PU. Contact Henry Shaw. Tel: 01849 462114. Day release courses leading to (i) Level II Certificate in Greenkeeping and (ii) Level III Certificate in Golf Course Supervision.

EIRE



**TEAGASC COLLEGE** Teagasc College of Amenity Horticulture, National Botanic Gardens, Glasnevin, Dublin 9. Contact Pat Suttle. Tel: 003531 8374 388. Phase II Greenkeeping - Block Release two weeks, three times per year. Phase III Greenkeeping - Block Release, one week, three times per year.

WALES



**PENCOED COLLEGE** Pencoed, Mid Glamorgan CF35 5LG. Contact Peter Gillard or Richard Browning. Tel: 01656 860202. Day Release courses in Greenkeeping and Sports Turf at Craft, Advanced Craft, Supervisory and Management levels to GTC requirements, incorporating the Training Manual of the Greenkeepers Training Committee.



**G**olf clubs are investing significant sums of money in workshop equipment to maintain their increasing levels of machinery. Many already have a full time mechanic (see November's Greenkeeper International), others have a mechanically inclined assistant greenkeeper, and even those without a mechanic are finding the need for a well equipped workshop. At basic level this may be little more than hammer and socket set, most are getting a pressure washer and air compressor. Pressure washing is a contentious issue, between those who believe that cleanliness is next to godliness and those who believe that water is bad news for bearings and electricians and that a pressure washer is the best way of putting water into those parts.

Where much thought is given to mowers and other grass maintenance kit, little goes into buying workshop kit and as a result make and model is less important than price. Total reliability is taken for granted and purchase is often made without consideration of back-up, nor for the exact specification required. With pressure washers specifications run from a simple pump with hose and nozzle to steam cleaner with detergent applicator and adjustable lance. For air compressors the options are from a simple pto mounted pump through electric motor pump and hose to petrol or electric compressors with integral air tanks and automatic control, with or without frame and wheels.

There are health and safety requirements for this equipment and its use, often unknown or ignored, and they should be subject to the risk assessment or audit each club should have undertaken. 'The Pressure Systems and Transportable Gas Containers Regulations 1989 - Statutory Instrument 1989 No 2169' requires that pressure systems are operated safely,

# REAL WORLD TEST PRESSURE WASHERS, COMPRESSORS GREENKEEPER INTERNATIONAL

examined to a schedule and maintained on a regular basis, by a 'competent person'.

Relatively new systems will comply with the requirements for marking and documentation, and the supplier should have notified the owner of the requirements. The documentation should also detail the inspection requirements, however documentation gets lost, equipment gets bought second-hand or from 'supermarket' type organisations where notification of the legal requirements may be less conscientious. Any club with aged equipment - say over six years old should look at the regulations to see firstly if they apply and what they will need to do. The British Compressed Air Society, (Tel: 0171935 2464) has proved to be extremely helpful in explaining the requirements and ready to offer advice and assistance.

Workshop equipment is extremely desirable

and very prone to theft, thus it should be protected and marked clearly. It may be possible to fasten it to the fabric of the building, or to a ring concreted into the floor.

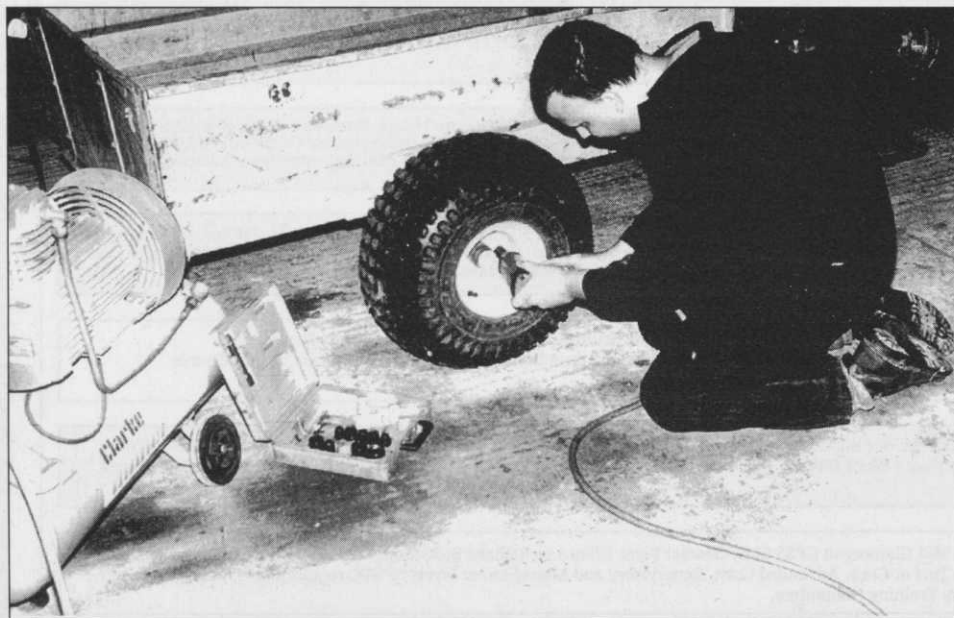
## Earlstone Sands GC

Earlstone Sands is new private 18 hole course initially closely linked to the farm, however it has diverged and so needed to buy its own workshop equipment which is housed in a substantial agricultural building. Trevor Windsor is First Assistant Greenkeeper/mechanic and his well equipped workshop includes a new Clarke Hunter 50 portable air compressor as well as a pressure washer, battery charger/starter and an arc welder. It was bought off the peg from a workshop equipment supplier - "the owner just came back with it," Trevor said, and price was about £350.

Maximum working pressure is 150psi (10 bar) however Trevor normally operates it at about 90 psi. It is highly portable and not too heavy with a 50 litre capacity air receiver mounted under the 12 cfm (cubic foot/minute) compressor driven by a 1.85kW single phase electric motor to put in the back of a truck. Trevor said this capacity is ample, in volume to take air out to a machine and in output in the workshop to provide enough air to drive an impact wrench, the most demanding item in the workshop. Demand is normally intermittent thus allowing the compressor to recharge the tank between uses. Other than to move it around the workshop its portability has not been needed to date, although Trevor does consider portability important.

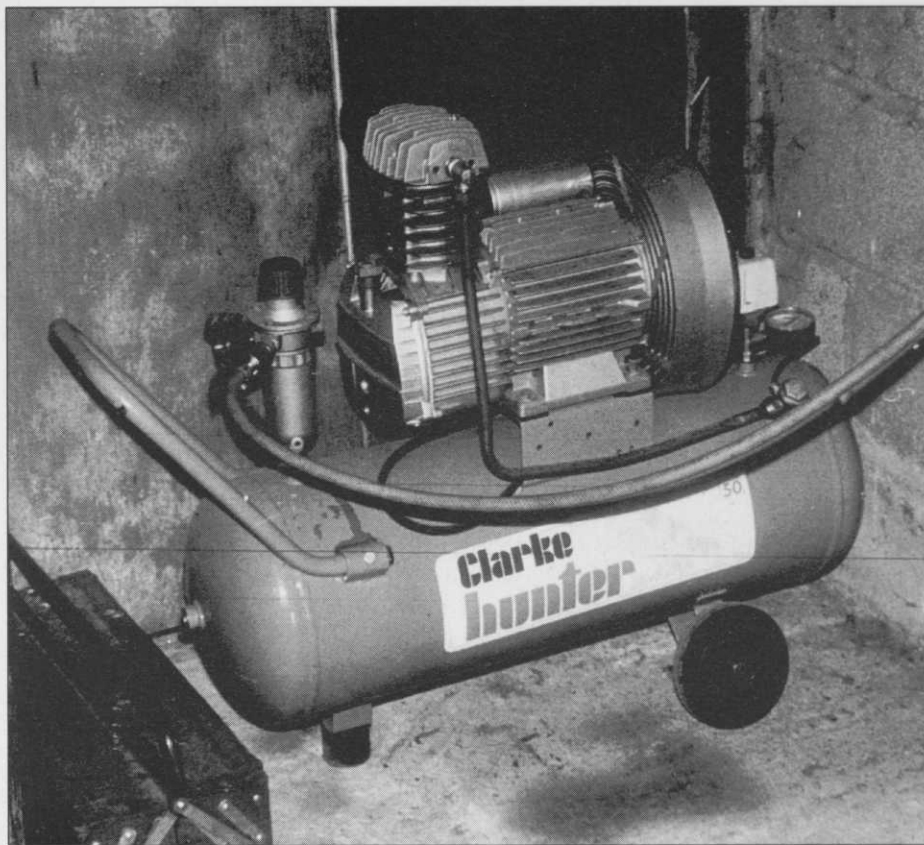
The other attachments at Earlstone which snap fit onto the hose include a tyre inflator and a small sprayer. The sprayer designed for paint has yet to be used. Maintenance is simple, a weekly check of the oil level and a change every 500 hours, however for simplicity Trevor expects to make this an annual routine.

According to Trevor, the Karcher HDS 550C



Trevor Windsor tightens a trailer wheel nut using air impact wrench/Clarke Hunter compressor





**A Clarke Hunter compressor and air receiver at Earlstoke Sands**

pressure washer "is used 20 times a day", as Earlstoke insist that all machines are washed before being put away. The machine has a high specification, and a hot water capability which "can melt a golf ball" i.e. up to 90°C or virtually steam heat. This is provided by the integrated diesel oil burner and although this seldom used it is economic in its use of fuel. The machine has two pressures, a low pressure wash mainly for wetting and applying detergent and the main 150psi jet. Detergent is rarely used. About the only time it is used, Trevor said, was prior to the major overhaul of a machine. The machine operates from single phase electricity and is semi-permanently plumbed in to both electricity and water. Both are switched off at the end of each day, although a simple on/off tap is used to remove the pressure on the hoses when the machine is not in use.

The whole machine has small wheels enabling it to be pulled out from the building when required, but an ample length of pressure hose and a four foot hand lance gives the operator good control and accessibility so that it usually remains just inside the door. Cutting cylinders are washed while spinning and this is very effective at removing all the grass from all the blades. No special wash bay nor waste water sump is used, but in fact because of the high pressure a minimum amount of water is needed, Trevor believed it to be about seven gallons a minute. Operating is seen as being mainly a matter of common sense, and no specific instructions have been issued on using the machine.

Maintenance is virtually nil as most parts are self-lubricating. The machine is now 14 months old, the previous machine was stolen, and it has a perfect service record with no problems. No special precautions have been taken to avoid freezing.

**The RAC Country Club - Epsom**

Engineer Anthony Worsfold believes in the minimum use of pressure washers although

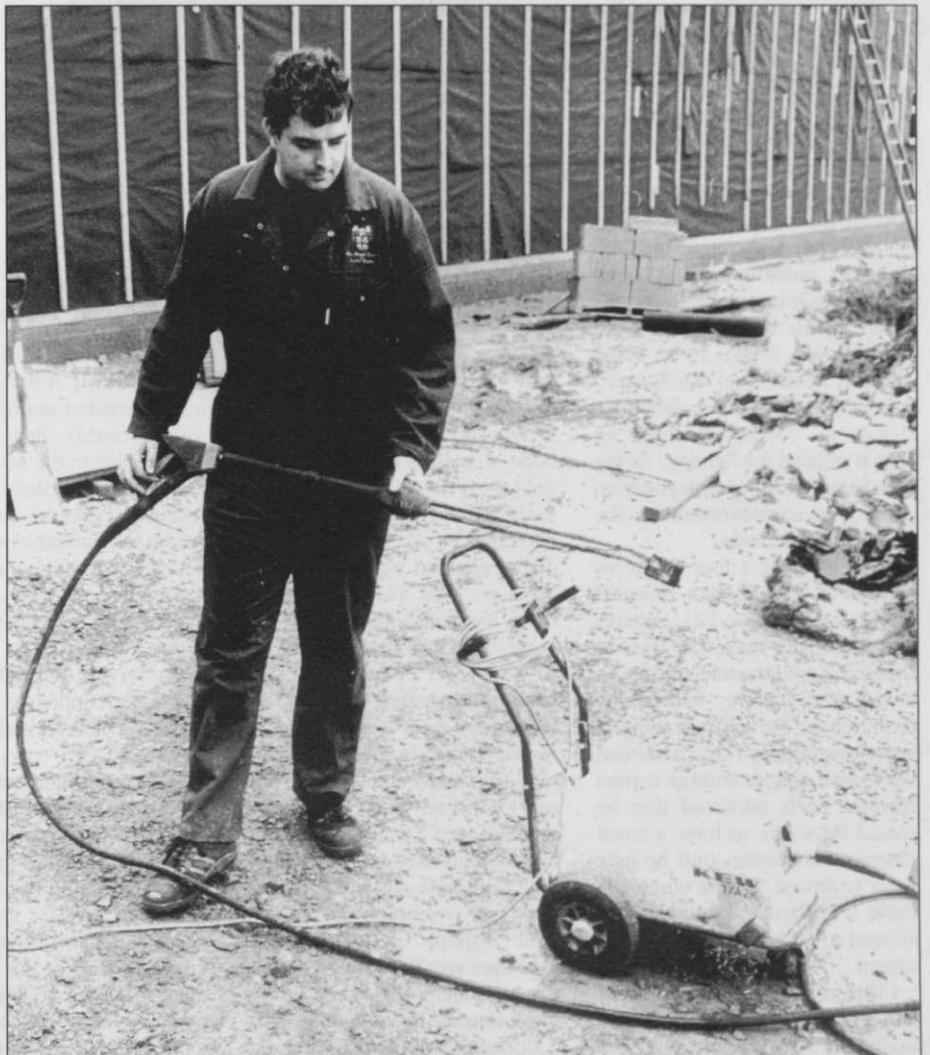
the club has two machines, neither of which has a water heater, nor is detergent used. His preference for cleaning is to use a hand held water hose or an air jet. Where a machine is required to be degreased he used a degreasing

fluid - from the degreasing tank in the workshop. Typical of the equipment for which the pressure washers are used are de-thatching reels and sprayers. One of the pressure washers is kept at the chemical store specifically for washing sprayers, this is powered by a small Honda petrol engine as the site is remote from an electric supply.

The RAC club has a permanently plumbed air pressure system based on a FIAC compressor air receiver with a 200 litre capacity and a 4hp motor. Tony uses the system extensively for power tools as well as for tyre inflation and cleaning, in particular he has air ratchets, wrenches and nut runners, and there is also a seldom used spray gun.

**Chippenham GC**

Chippenham is in the situation that the greenkeepers shed is many hundreds of yards from the nearest source of mains electricity. The club was quoted a price of £4,000 or £5,000 to connect it and decided that it was not worthwhile. A small Honda Genset was used, however this was not very satisfactory as it



**Charlie Gaisford with a Kew 17A2K at Manor House**



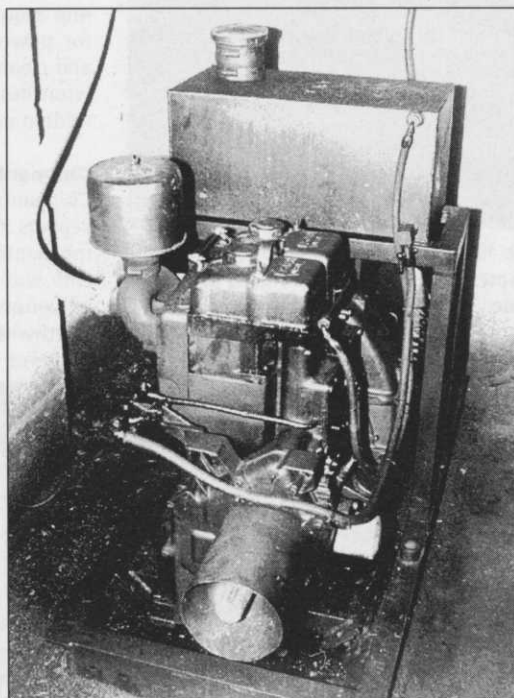
# REAL WORLD TEST PRESSURE WASHERS, COMPRESSORS GREENKEEPER INTERNATIONAL

had insufficient capacity, however one of the members had a redundant Lister/Newage generating set and about five years ago he gave this to the club for the cost of removal. This twin cylinder diesel skid mounted unit has a rated output of 7kVA at 240 volts, a not inconsiderable output which allows Course Manager Chris Sealey to run most of the equipment and lighting he needs without restriction. This unit is now bolted on a concrete pad in a small shed behind the main building. Noise level is not significant, however Chris tries not to use it when golfers are on nearby holes and in fact, the major use is for lighting in the winter months, however it is also used to run power tools, and more importantly, (to most of the greenkeepers), a microwave. The power available means that it could be used to run a small arc welder. However Chris tries to minimise the amount of work carried out as the building is also used for storing sand, and he reckons sand and machinery repair don't fit well together.

Little is known of the past history of the set and there are no manuals nor servicing recommendations, however it has been totally reliable, although it now needs a little servicing to fix the various oil leaks. It is hand cranked to start, fuel use is low – "about a bucket a day when on tick-over" – which is about all that is needed for lighting. As the club lease is up for renegotiation shortly no consideration for the future is being made.

The club uses a foot pump for most of its tyre inflation, however it also has a Zetor 5211 tractor and like many European tractors this has a compressor built in. To access this feature, which is a requirement for trailer braking in some countries, all that is needed is a length of hose and the correct fittings. Chris admitted that he would have like to have a small electric compressor, and he may have to invest in one when the Zetor is replaced he had not considered a PTO driven compressor option.

Chippenham bought a Krcher K1750G cold water pressure washer in May from local dealer John Miller, it is portable and



A Lister/Newage gen set at Chippenham GC

powered by a 5hp Briggs & Stratton Quantum engine. When Greenkeeper International visited it was awaiting repair having burst a seal, but it is normally used every day to clean off greens machines. This machine has detergent incorporation and both degreasing and traffic film detergents are used. The brush attachment has been used but proved not to be robust enough.

#### Manor House Golf Club at Castle Combe near Bath

Manor House is still using shipping containers and other temporary housing while their new greenkeepers facility is being built. Mains electricity is laid on and a full time mechanic, Charlie Gaisford, is employed, however Paul Bishop, Course Manager envisages significant upgrading of the equipment when they shortly move into the new building.

Currently there is a 'Snap-on' air compressor manufactured in

1983 with a tank of about 100 litre and little history (it should have a written maintenance and safety record). Paul anticipates moving this to the new workshop and having it tested. Charlie has recently replaced the pressure switch the previous switch having become unreliable, and it now maintains pressure at around the 100psi mark. Rated working pressure is 10 bar – about 150psi. The main service requirement is to drain any condensed water, and check the oil level in the compressor.

Apart from the obvious use for tyre inflation the system is used extensively for running impact drivers and ratchet drivers, however Charlie also has a small drill which he uses for smaller tasks when it is more convenient than an electric drill. For larger and more extensive drilling an electric drill is used, mainly to avoid the nerve stressing of having the compressor constantly cutting in

and out. With fitting out the new workshop there will also be a pneumatic tyre changer and a paint sprayer. The use of an air jet to remove dry grass is seen a better and safer option than using water where possible.

KEW 17A2K Pressure washer is a handy mobile 230v cold water machine about eight months old and has a maximum 150 psi pressure. It has operated during that time without trouble, it is used on a regularly daily basis when mowers and other machines come in. It is also particularly useful for removing the paste after backlapping.

Manor House has the chemical injector kit and a washing brush. The injector kit is used with a traffic film detergent which is bought ready for use in a 25 litre drum. Paul said that prior to the KEW the club had a 'steam cleaner' however when the boiler he did not see the need to replace this ability although he admitted that 'steam' could be useful for some cleaning jobs. He found that used carelessly or by inexperienced operators it will remove paint.

With the new building there will be three hose points running from the club's irrigation system which operates at 10bar. These will be placed alongside a specially build wash bay so that all grass clippings, sand and other rubbish will be collected in a sump for weekly removal while the water is taken to a soakaway. The pressure washer will still be needed and in any case the irrigation is off for the winter.

#### WHAT I'D LIKE FOR CHRISTMAS



Chris Carpenter, Brookmans Park GC:

"To wake up on Christmas morning and have a bunker free course."

