Mitcham Golf Club
A busy progressive golf club in Surrey is looking for a
HEAD GREENKEEPER
to take over the management of their 18 hole course
He will require a knowledge of man management, machinery maintenance, turf management and all associated course problems
Accommodation is available for the successful applicant.
If you feel you have the necessary experience write for an application form to:
The Secretary,
MITCHAM GOLF CLUB
Carshalton Road, Mitcham Junction, Surrey CR4 4HN

BLOXWICH GOLF CLUB LTD.
Bloxwich, West Midlands require a
HEAD GREENKEEPER
Applicants should have extensive experience in the Theory & Practice of Golf Course Management, be conversant with the use and maintenance of all modern golf course machinery, and be able, with initiative, to direct and lead by example, the excellent supporting staff.
There is no accommodation but the salary which is negotiable will be commensurate with a club of this standing.
Written application with full details of age, experience and qualifications etc., to:
The Secretary,
BLOXWICH GOLF CLUB LTD.
Stafford Road, Bloxwich, Walsall, West Midlands WS3 3PQ

DUE TO EXPANSION, A PROGRESSIVE COMPANY IN THE DISTRIBUTION OF TURF CARE PRODUCTS requires an
AREA MANAGER
Based in the South-West of England
Applicants should have a proven sales record and preferably experience in the field of Turf Management
Salary is negotiable depending on experience and a company car will be provided
Please write with full C.V. in strictest confidence to
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Golf Greenkeeping, P.O. Box 12, Wetherby, West Yorks. LS22 4SR

Bushey Hall Golf Club Ltd.
Require an
ASSISTANT TO GREENKEEPERS
Some experience necessary
Wages negotiable
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BUSHEY HALL GOLF CLUB
Bushey Hall Drive, Bushey, Herts.
WD2 2EP
Telephone:
Watford (0923) 225802
Have you got enough room?

PLANNING THE GOLF COURSE MAINTENANCE FACILITY

Remembering the pink curtains in the Teignmouth greenkeeping sheds last month, I had thought of discussing with you the other essential features of this important facility. Then came the latest issue of the USGA’s Green Section Record and there was H. A. DeHay’s excellent article on the same subject and supported by a great deal more research than I could ever hope to muster. So the best thing I can do is take the day off while you get on with it. Remember that America is a big place.

Facilities planning is not a new concept in architectural design. It was recognized as a contributing aspect in early architecture, but it developed as a major role during the Industrial Revolution. As industry became more competitive, new methods of increasing efficiency naturally developed. Using every square foot of space effectively became mandatory. The effectiveness of space planning became more and more apparent, and the process spilled over from industrial use to other facets of architectural planning. Efficient use of space has become the primary objective in the design of buildings today.

I became interested in planning golf course facilities after a phone call from a golf course manager I had met not long before. He had a problem, and he invited me to visit his operation to see it for myself. It was taking 30 minutes or more to get equipment out of the building. It was evident that new ideas had been moved into the design of golf course maintenance equipment. In contrast to this, I saw no evidence that any new technology had been applied to the design of the building.

After visiting many maintenance facilities and talking with golf course managers, it became clear that although the activities necessary to maintain a golf course were very much the same, no two facilities were even remotely alike.

This proved that new design and planning technology that had been developed through the last decades were not being used for golf course maintenance buildings. It is hard to believe that as long as golf courses have been around, the design of their facilities could be so neglected.

With new regulations and the right-to-know laws in effect today, plus the high cost of maintaining a golf course, owners can no longer overlook the importance of the maintenance facility. The idea that maintenance activities can be carried out in a barn hidden away out of sight, as they were in the old days, is courting serious problems and operational inefficiencies.

This lack of proper design undoubtedly reflects some of the old traditional attitudes. While tradition is a foundation of golf, it is nevertheless necessary to consider the modern needs and new issues facing today’s maintenance operations. The cost of maintenance is a major consideration today. Although the manufacturers of equipment are addressing the problem, we still have the matter of efficiency at the golf course itself.

The majority of the maintenance facilities I have visited lack adequate space to perform the work. This is a major factor affecting the total operation. Since there are no published guidelines dealing with the space requirements for golf course maintenance operations, one can understand why facilities are so unlike one another.

Following the normal procedures of the facilities planning process, I conducted a space study of the various golf maintenance activities. A parking plan was developed. Equipment used each day was located for easy accessibility, and it could be driven from the building without moving other pieces of equipment. Equipment that wasn’t used as often was located in secondary parking slots.

This assignment of space enables the superintendent to dispatch any piece of equipment to the course without having to move other equipment first. The inside space necessary for other aspects of the golf maintenance operation have been established as follows:
When the opportunity to design and build a complete new facility presents itself, the following space requirements will provide a guide for the size of the land area necessary to operate a golf course maintenance facility effectively.

<table>
<thead>
<tr>
<th>ADMINISTRATION AND SUPPORTING FACILITIES</th>
<th>SQUARE FEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>For employees</td>
<td>1,600 sq. ft.</td>
</tr>
<tr>
<td>Equipment parking</td>
<td>3,200 sq. ft.</td>
</tr>
<tr>
<td>Chemical storage</td>
<td>800 sq. ft.</td>
</tr>
<tr>
<td>Repair shop and parts</td>
<td>1,600 sq. ft.</td>
</tr>
<tr>
<td>Cleaning bay</td>
<td>800 sq. ft.</td>
</tr>
<tr>
<td>Soil bins</td>
<td>800 sq. ft.</td>
</tr>
</tbody>
</table>

Building: 8,800 sq. ft.
Fuel island/wash apron: 1,720 sq. ft.
Hard surface apron: 42,838 sq. ft.
Dumpster pad: 375 sq. ft.
Soil mix apron: 1,200 sq. ft.
Drives and green space: 4,992 sq. ft.
Total Land Area: 55,925 sq. ft.

Because efficiency is only obtained by creating an orderly traffic flow, it was necessary to analyse the flow to and from the facility. Many factors are concerned, among them the separation of employee vehicles from other activities, visitors to the facility, outside service vehicles, and the maintenance vehicles themselves.

Two operations at every golf maintenance facility deserve special study: fueling and washing vehicles. Washing creates an offensive environment, while fueling is a major safety consideration. Each operation is usually conducted at a separate location. They do, however, have one aspect in common. Both must be done to every piece of equipment every time it is used.

Therefore, upon entering the facility from the golf course, the equipment is usually driven to two separate locations. This can create a complex traffic flow. However, space will be saved and efficiency increased if the two activities are confided to one general area. The combination fuel island/wash apron should be located directly in the traffic flow between the golf course and the building.

Designated parking spaces is important, too. Employees' performance in driving maintenance vehicles is far more predictable when the operator knows exactly where they are to be parked. Past studies show time is wasted when an employee cannot find a place to park his vehicle. While this aspect of facilities planning may appear at first to be minor, it is one of the major contributing factors to the order so necessary to achieve efficient operations.

Planning of space and creating a traffic flow for equipment develops a sense of order that carries over to other activities. Order reflects an attitude of management. Attention to see that every activity has been studied conveys to the employee a sense of positive attitude will prevail, and that the quality of the job performance will increase accordingly.

The maximum efficiency level of any operation is achieved when facilities planning technology is applied. This aspect of any golf course operation deserves further exploration. It can significantly affect golf course economics and a successful future.

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NEWS ROUND-UP

Joint NTC/NAAC Workshop at Stoneleigh
Thursday, 12th November, 1987

Since the last amenity pesticides workshop a year ago, the National Turfgrass Council has been working, with the approval of the Ministry of Agriculture, Fisheries and Food, to prepare a code of practice specifically for the amenity sector.

The workshop at Stoneleigh on Thursday, 12th November, 1987 is mainly to introduce the new code. Speakers will explain how it would be applied in various situations, what is included, and what is not.

There will also be a chance to get up-to-date on operator training and certificates of competence, with a speaker from the ATB, and Philip Sheppy of the NTPC to review and explain the ATB, and Phillip Sheppy of training and certificates of availability at the workshop, lunch and other refreshments, and a copy of the workshop report.

The price of £37.00 per person includes a copy of the code available at the workshop, lunch and other refreshments, and a copy of the workshop report.

The previous workshop on amenity pesticides in 1986 had nearly 200 participants, and this one looks set to be even more popular.

Enquiries to: Mr. J. P. Shildrick, Secretary, NTC, 3 Ferrands Park Way, Harden, Bingley, West Yorkshire, BD16 1HZ

Deere appoints ground care dealer in Surrey

Increasing its national marketing and service network for its wide range of Lawn and Garden tractors for commercial, Local Authority and public consumer use, JOHN DEERE LIMITED of Nottingham, the world's largest manufacturer of Ground Care Equipment, announce the appointment of Golf & Turf Equipment Limited, 99 Westfield Road, Woking, Surrey GU22 9QP.

Yorkshire's top heathland course, Alwoodley, Leeds, have appointed Phil Taylor, Head Greenkeeper at the York G.C. to succeed Hughie Marshall when he retires at the beginning of 1988. Hughie has recently moved to a house at Harwood and is now a neighbour of the Queen's cousin. His son Peter is well-known in the turf trade as a representative for Pattisons.

Mick Bryant from Heworth, another York course, is going further afield. He has accepted a greenkeepers position in France.

At Scarcroft, following extensive interviewing, Jeffrey Mawson's job has gone to his first assistant 23 year old Graham Ockley. Graham, an apprentice with Jeffrey, is yet another in the long line of trainees who have obtained top jobs as a result of the excellent tuition all young greenkeepers have received at Scarcroft.

NEWS 12

GCSAA Conference Sets Sales Record Five Months Early!

Texans have long liked to claim that their state is the biggest and the best. And the 59th International Golf Course Conference and Show booked for Houston in early 1988 and sponsored by the Golf Course Superintendents Association of America (GCSAA) - is certainly on its way to upholding the Texas tradition.

With nearly five months to go before the doors open to the expected 14,000 attendees, the Show's exhibition space reservations are already ahead of last year's total.

More than 112,000 square feet of display space has been committed to various manufacturers and distributors from all over the world. This surpasses the previous record of 108,500 square foot in Phoenix earlier this year.

"We still have some space available, but it's truly incredible how quickly everyone has responded", said Tuula Wright, sales and marketing manager for GCSAA. "The industry is booming, and exhibitors are anxious to display their products to the buyers, the golf course superintendents!"

The show will run Feb. 1-8 in the George R. Brown Convention Center. The event will be among the largest shows to be presented following the completion of this dramatic new facility.

The GCSAA Conference and Show is a complete undercover exhibition for today's golf course superintendents from around the world. More than 60 percent of the exhibitors have indicated that they will be revealing their new product lines and services.

NEWS 13

APPOINTMENT

MARTIN MUIR

Martin Muir (30) has been appointed Sales Liaison Manager for fertiliser specialists Vitax Limited.

Mr. Muir, who lives at Penbury, Tunbridge Wells, Kent, joined Vitax in January 1985 as Sales Executive for South-East England.

NEWS 16
ARTIFICIAL GRASS
AstroTurf Artificial Grass, PSA Ltd., Vorda Works, Highworth, Swindon, Wiltshire SN5 7AJ. Tel: (0793) 763401. Telex: 449703. Fax: (0733) 765319.

CONSULTANT AGRONOMISTS
Martyn T. Jones, Consulting Agronomist in Landscape and Agricultural Biochemistry, 41 Penrith Way, Great Eccleston, Preston, Lancs. PR3 OSY. Tel: (0995) 70675.

CONTRIBUTING AND BRILLIANCE SERVICE
Boughton Loam Ltd., Boughton Quarry, Boughton, Northampton. Tel: (0904) 894814.

DRAINAGE TUBES AND PIPES
W. T. BURDEN LTD., Wellesway, Keynsham, Bristol. 35mm, 50mm & 110mm Drainage Pipe, Polyethylene Water Pipe, UPVC Pressure Pipe and Fittings, Soil Stabilisation Products, Building, Civil Engineering Materials, delivered from eleven depots. Tel: (0272) 4761. Contact: Don Waley.

FERTILIZERS & TOP DRESSINGS
Fisons plc, for the comprehensive turf fertilizer range, and both bagged and bulk peat and peatland top dressings, delivered nationwide, Sphagnum bales bagged and bulk, delivered nationwide, Sphagnum bales bagged and bulk.

GOLF CLUB SIGNAGE
WOODLAST SIGNS, Lower Stanway Hey, Whalley Road, Clitheroe, Lancs. BB7 1PP. Tel: (0200) 22156. Signs for identity, chiefly distinctive and unusual character. Tee signs showing layout hole present. Professional fitting service, rubber number plate, 254. Contact: Mr. J. D. Morton.

GOLDFRANKE RANSOMES DISTRIBUTORS
Burrugs G.M. Ltd., Spring Slade Works, Cannock Road, Stafford. Tel: (0765) 66131. Contact: Mr. J. Guest. Henton & Chatten Ltd., London Road, Nottingham, NG5 3HY. Tel: 0602 86161. Contact: N. R. Brown.

ROWS OF CHICHESTER, D. Rowe & Co. Ltd., The Hornet, Wellsway, Keynsham, Bristol. NG2 3HW. Tel: 0602 862161. Contact: Jonathan Harmer.

J. L. D. BOURGEIN OXFORD LTD., 27 Vicarage Road, Verwood, Wimborne, Dorset BH21 6DR. Contact: P. R. Windmill.

KILMOL” - Mole Bait makes certain MOLES VANISH — Toothed Mole catcher. Contact: Michael Fisher.

PESTICIDES, WEEDKILLERS, ETC.
MILES VANISH — “KILMOL” — Mole Bait makes certain a safe and effective method for extermination £7.25 per acre (approx.) £10.25 Pack — 3 acres (approx.) inc. P & P CALL: WOODLAST SIGNS (G.) Lapley, Stafford ST19 8JF. Tel: (0783) 843666.

PEAT
Fisons plc, for clean good sedge peat, bagged and bulk, delivered nationwide, Sphagnum bales bagged and bulk also supplied.

PEAT BULK
Banks Horticultural Products Ltd., 36 High Street, MURFORDS CHIPPING, Chichester, West Sussex. Tel: 0306 633462.

PEINAL — BULK
Banks Horticultural Products Ltd., 36 High Street, MURFORDS CHIPPING, Chichester, West Sussex. Tel: 0306 633462.

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PLACES & PLAQUES
Tho. A. Ingram & Co. Ltd., P.O. Box 305, 68 Soho Hill, Birmingham B1 1LA. Tel: (021) 267 7255. Full Colour Brochure Available. (Commemorative Pages, plaques, etc.)

POWDER SAND
Joseph Arnold & Sons Ltd., Billington Road, Leighton Buzzard, Beds MK43 0FD. Tel: Leighton Buzzard 372594.

QUICKSAND FORMER
Brian Boocock, 101 Appleby Road, Warrington, Cheshire. Tel: 0525 88061.

REDWOOD CRATES
Minster Bros., Clifton Street, Alderley Edge, Cheshire SK9 7NF. Tel: (0625) 845871.

SEMI-MATURE TREES
Eastcote Nurseries (Sollinhall) Ltd., Wood Lane off Barston Lane, Solihull, West Midlands B92 0JL. Tel: Hampton-in-Arden (0765) 2033024.

SOIL CONDITIONERS
SOIL STERILIZERS, SIFTERS AND SHREDDERS
TERRA FORCE, Kent Horticulture Engineers, Prospect Place, Tonbridge Road, Wateringbury, Kent. Tel: Maidstone (0622) 81587. Tel: 965522.

SPRAYING EQUIPMENT
Evers & Well Ltd., Station Road North, Colchester, Essex. Tel: Ipswich (0474) 85061.

TEENING GROUND AREA MARKERS
TACIT-T-MARKERS, 3 Millers Lane, Monks Kirby, Rugby CV23 1UJ. Tel: 0788 832266.

TOP DRESSINGS — BULK & BAGGED
Boughton Loam Ltd., Boughton Quarry, Boughton, Northampton. Tel: (0604) 847814.

TREES, SHRUBS & PLANTS
Notcutts Nurseries Ltd., Woodbridge, Suffolk IP12 4AF. Tel: John Dyter, SGD. Tel: 03943 3344.

TREES TIES & GUARDS
Toms Tree Ties, Tel: Wimborne, Dorset. Tel: Bath 660 7011. Contact: Bob Felton, Sales Manager.

TREES, SHRUBS & PLANTS
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TURF (SPECIALITY)
Fine purpose grown cosmos sport and amenity turf.

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Fine purpose grown lawn and amenity turf.

VACATION AND SHREDDERS
VALENTIDE HIRE
Ross Oliver, Greens-Verti-Hire, Cranworth, Treetops, Treetops, Furniture Village, Cambridge. Tel: St. Columb (0637) 880257.

WATER STORAGE
Miline, Elan (Liquid Storage), Station House, Eye, Suffolk, IP28 4LA. Tel: Leighton Buzzard 372594.

WATER STORAGE
Minster Bros., Clifton Street, Alderley Edge, Cheshire SK9 7NF. Tel: (0625) 845871.

WEEDKILLERS
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WEEDKILLERS
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Wool Lane off Barston Lane, Solihull, West Midlands B92 0JL. Tel: Hampton-in-Arden (0765) 2033024.

Contact: Michael Fisher.

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