

THE JOINT COUNCIL
for
GOLF GREENKEEPER
APPRENTICESHIP

representing the English and Scottish Golf Unions, The Welsh Golfing Union, The British and Scottish Golf Greenkeepers Associations and The Sports Turf Research Institute.

Since 1963, when this Council was formed, 82 young men have completed their apprenticeship. 77 more are under training. The Joint Council wishes to thank all those golf clubs who have realised that the future upkeep of golf courses depends on proper training now, and the Head Greenkeepers who have handed on their experience to the next generation.

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Daltons Road, Chelsfield, Orpington, Kent.

GREENKEEPER

HON. EDITOR: F. W. HAWTREE



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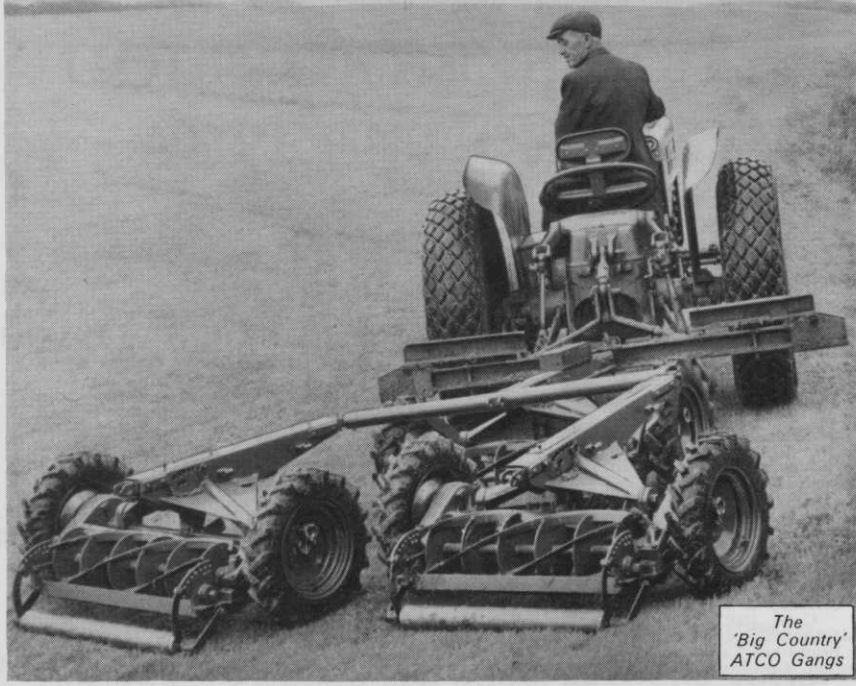
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TEE SHOTS



by the Editor

Wirral Urban Council are looking into the possibility of making a municipal golf course on 120 acres to the south-east of Station Road, Thurstaston. There are 15 golf courses in Wirral at the moment, three of them municipal but the Cheshire County Council report last year said that the supply of golf facilities for the peninsula was only moderate in relation to the demand.

* * * *

The Greater London Council is to invite applications from people interested in financing and developing an 18-hole public course in Trent Park, Cockfosters. The layout is expected to cover some 135 acres of the 560 acre park.

* * * *

Epping and Ongar Rural Council have approved an application by Mr J. Clark to form a golf course on 77 acres north of the Chelmsford Road at High Ongar. Mr Clark already has permission for 9-holes on 40 acres on the south side and his new application includes a pedestrian tunnel under the road to link the two.

* * * *

Sodbury Rural Council have agreed to make a grant of £1,000 to Chipping Sodbury's new 18-hole golf course provided senior pupils of the local grammar school can use the existing 9-hole course for a nominal 2s. per round on Monday and Wednesday afternoons.

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MECHANICAL AIDS TO GOLF GREEN MAINTENANCE

By W. N. S. Bisset, Advisory Officer at the Sports Turf Research Institute

AT this time of year full use is made of most of the wide range of machinery for golf green maintenance. It is also the time of year when faults arise on old machines despite servicing and the club is told by the agent that they are not worth repairing further. Then there is a rush to replace the old machine and sometimes a purchase is made without consideration of the full range of equipment available and the requirements of the course itself.

The purchase is governed by a number of factors, not the least of which is the cost, but often the purchase price is not related to ensuing benefits. A machine costing half the price of any other on the market may appear a bargain, but if it takes the operator twice as long to do the same job over a number of years, it is not quite the bargain it appears.

Operator comfort, reliability and after sales service should also influence the final decision more than colour or an assortment of gadgets.

Mowers

Mowers offer the widest choice of any type of equipment and prices vary to suit every pocket. The labour available on most golf courses makes hand machines impractical and powered cylinder mowers only can be considered at the present time.

On a golf green the main requirement during the summer is the quality of finish. It is useless to expect a machine with a cutting capacity of 70 cuts per yard to produce the same finish as another with a capacity of 100. A course with large greens would require, on the face of it, a machine capable of covering a larger area per hour, but large greens with undulations may indicate narrower cutting width. The amount of use a fine cut mower receives makes it necessary for the machine to

be sturdily constructed, easily adjusted and driven by a reliable power unit.

Scarifiers

Scarification on the golf green is increasingly necessary and some form of scarifier is essential. Rake scarifiers, although merely surface disturbers, are of value as a preliminary to mowing. The severity of scarification can be increased by operator pressure or by artificial means. A limited amount of scarification can be carried out using a comb attachment for the mower.

Generally, however, the scarification required on golf greens justifies the acquisition of a powered scarifier. These machines can be set to varying depths to remove some of the fibrous layer in the base of the sward.

Most machines of this type on the market have interchangeable knives and/or tines so that different types of scarification are available and the machines can be used during the growing season.

Aerators

Aeration is essential on all types of golf green to relieve compaction, allow air into the soil, and to improve root growth and surface drainage. The tines most commonly available are solid, hollow and thin bladed root action.

The most thorough aeration is done by a hand fork, but as this is also the most laborious, powered machine work has largely replaced it. A hand fork is, however, useful for treating small areas.

The range of suitable powered aerators is small and each provides similar results when used under similar conditions. The majority achieve penetration by the weight of the machine alone. A special point to consider is the ability of the machine to

continued on page 7

GREENS MOWING EQUIPMENT

GOOD NEWS NO PRICE INCREASES

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MOTOR MOWERS

20" Zephyr Motor Mower. Norton Villiers 120 c.c. engine 6 bladed	£98	0	0
20" Superfine Zephyr Motor Mower. Norton Villiers 120 c.c. engine 10 bladed	£104	0	0
24" Zephyr Motor Mower. Norton Villiers 150 c.c. engine 6 bladed Fully upholstered seat attachment	£141	0	0
	£23	0	0
30" Greensmaster Motor Mower. M.A.G. 6 BHP engine reverse gear 5 bladed Fully upholstered seat attachment	£325	0	0
	£25	0	0
30" Vergemaster. B.S.A. 420 c.c. engine 5 bladed	£287	10	0

GANG MOWERS

Trailed Triple Gang Mower 5 bladed	£385	0	0
Trailed Triple Gang Mower 8 bladed	£388	0	0
Hy-Ranger Triple Mounted 5 bladed	£399	0	0
Hy-Ranger Triple Mounted 8 bladed	£402	0	0
Quintuple Trailed Gang Mower 5 bladed	£658	0	0
Quintuple Trailed Gang Mower 8 bladed	£666	0	0

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- King's Heath Mowers Ltd., 266 Vicarage Rd., King's Heath, Birmingham 14.
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SITUATIONS VACANT

STINCHCOMBE HILL GOLF CLUB, Gloucestershire, invite applications for position of Head working greenkeeper. Applications stating age, qualifications and experience to Hon. Secretary, Stinchcombe Hill G.C., Dursley, Glos.

GUILDFORD GOLF CLUB require Head Greenkeeper

(b) Experienced Greenkeeper

(c) Assistant Greenkeeper

Please apply stating age, experience and salary required to The Secretary, Guildford Golf Club, Merrow, Guildford, Surrey (Tel: Guildford 63941).

REQUIRED immediately Head Greenkeeper or Assistant Greenkeeper. Fully qualified. Good wages. No accommodation. Apply with details of experience and references to The Secretary, Stover Golf Club, Newton Abbot, Devon.

HEAD GREENKEEPER required immediately for 18-hole course now under construction for private Club. Must be experienced in all branches of greenkeeping, fully conversant modern machines and pop-up sprinklers. Top salary, house and pension scheme. Apply with full details in writing to the Secretary, Redditch Golf Club, Plymouth Road, Redditch, Worcs.

HENDON GOLF CLUB requires Greenkeeper. Top Wages. Excellent prospects. Free accommodation and fringe benefits. Apply Secretary, Hendon Golf Club, off Sanders Lane, London N.W.7. Tel: 01-346 6023.

EXPERIENCED ASSISTANT GREENKEEPER required. Good prospects. No accommodation at present. Terms negotiable. Apply to The Secretary, Upminster Golf Club, Limited, Hall Lane, Upminster, Essex.

HEAD GREENKEEPER required for links course to take over from Head Greenkeeper, who has been with the club for 50 years. Must be really experienced in all branches of greenkeeping and have first-class technical and mechanical knowledge. Top salary to right man. Please apply in writing giving full details of experience, age and present duties to: The Secretary, West Lancashire Golf Club, Hall Road West, Blundellsands, Liverpool 23.

MISCELLANEOUS

PROFESSIONALS AND GREENKEEPERS having stocks of used golf balls contact Sparkbrook Golf Ball Co., 295 Highgate Road, Stoney Lane, Birmingham, with a view to filling export orders.

FOR HIRE

SISIS AUTOTURFMAN AERATOR, £25 per week—do it yourself. For contract prices telephone Burnell, Eaglescliffe 3647.

18th PARKS AND RECREATION EXHIBITION

MEYRICK PARK, BOURNEMOUTH

September 22nd and 23rd, 1970

to be held in conjunction with the

ANNUAL CONFERENCE OF THE INSTITUTE OF PARK AND RECREATION ADMINISTRATION

September 22nd to 24th, 1970

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carry out the desired operation with a minimum of surface disturbance.

Sprayers

For chemical control of weeds, pests and diseases where there is little leeway in rates of application, an accurate sprayer is required.

The range includes motorised sprayers, wheels and knapsack models. Those fitted with a 3 ft. or 6 ft. spray boom are preferable to those with a single nozzle lance.

Fertiliser Distributors

When choosing or using a fertiliser distributor, whether it be a carpet spread or a spinner type, look for even application and ease of calibration, though risk can be reduced by halving the quantity of material to be applied and passing over the surface twice.

Drag Mats and Brushes

Apart from home-made implements, tools for working in top dressing are

limited to the drag brush or mat or a lute. Generally the drag mat is most satisfactory as it is flexible and will follow the contours of the green better than a brush or lute, both of which are rigid. The brush, however, has the additional use for light scarification before mowing.

Watering Equipment

The most important feature to consider is even spread of water. "Pop up" watering systems on automatic control remove the inconvenience of sprinklers to the golfer and the labour involved in watering is minimised.

Always arrange a demonstration to ensure that equipment can be readily operated by the staff on their own course.

Equipment is continually being developed and improved and, with recent advances in the automatic watering, one wonders how far automation will go. Perhaps a computer operator's course may be in the syllabus for the greenkeeper of the future.



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RANSOMES AT CHELSEA FLOWER SHOW

The best way to ensure conservation of the countryside, say Ransomes, is to keep grass in trim. They should know, they have been making Grass Machinery since 1832.

European Conservation Year inspired the theme behind their exhibit at Chelsea, only they think in terms of world conservation. Well kept grass helps to ensure conservation of the country side not only this year but every year.

Down the ages Ransomes mowers have helped to conserve the grass surrounding some of the well known stately homes of Britain and famous city parks throughout Europe including Berlin, Rotterdam, Vienna and Zurich and dozens of other European cities. Sportsfields, stadiums, and golf courses, from Moscow to Mexico as well as the famous "Old Course" at St Andrews, use Ransomes mowers.

Ransomes invite you to help conserve your piece of "Old England" for yourself, with a Ransoms mower.

See them all on Ransomes exhibit at Chelsea from the Ajax, Fourteen, Sixteen, Marquis and Twenty-Four to the Junior Triple and Motor Triple.

Let Ransomes, the manufacturers of the largest range of Grass Machinery in Europe help to ensure your heritage.

Motor Triple Mowers

Two Motor Triple models are now available to cater more economically for medium and large grass areas.

The Junior Motor Triple, with its 73 inch cut and exceptional manoeuvrability, is most suitable for golf tees and approaches, narrow grass verges, school and larger private lawns and all medium grass areas. It has a work output of up to $1\frac{1}{4}$ acres an hour compared with its bigger brother, the Standard Motor Triple, with an output of up to three acres an hour.

Bigger areas of grass such as parks, sportsgrounds and roadside verges are best cut with the 86 inch Standard Motor Triple Mark 1V. The Standard cuts 26

cuts to the yard and the Junior 60 to the yard.

Both these mowers provide power where it is needed — at the cutting cylinder.

Junior Motor Triple

The powerful Norton Villiers 4-stroke engine develops $8\frac{1}{2}$ b.h.p. and has an electric start as an optional extra. Speed of travel is up to 6 m.p.h. in the transport position, with 4 m.p.h. as recommended cutting speed. Minimum cutting speed is 2 m.p.h.

One 30 inch cutting unit cuts in front of the wheels, followed by two 24 inch outrider units. Drive to the cutting units is by "V" belt and roller chain. The spring loaded units follow all the undulations of the ground.

The Junior has car-type steering via the rear wheels, car-type clutch and car-type footbrake with parking ratchet. Rapid change to forward and reverse gears, with its compact build, give increased manoeuvrability in confined areas.

Cutting units can be raised or lowered independently or all together. The universal drive coupling allows the units to be lowered into work without manual recoupling. Drive automatically cuts out as the units are raised.

The front 30 inch unit can be used alone, making the mower a single unit outfit for cutting narrow strips of grass. The overall width in transport is 49 inches and the mower has sufficient fuel for a full day's work.

Standard Motor Triple

The Mark 1V has several recent improvements:

- (a) New final drive to the front units, new axle assembly and larger dimension balloon Trelleborg tyres, combine to increase ground clearance, and the balloon tyres reduce compaction.
- (b) New disc brakes give increased braking power and efficiency.
- (c) Improved parking brake system.

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Sports turf takes a lot of looking after. Up until now you could have chosen a wide range of different weedkillers to keep your turf clean.

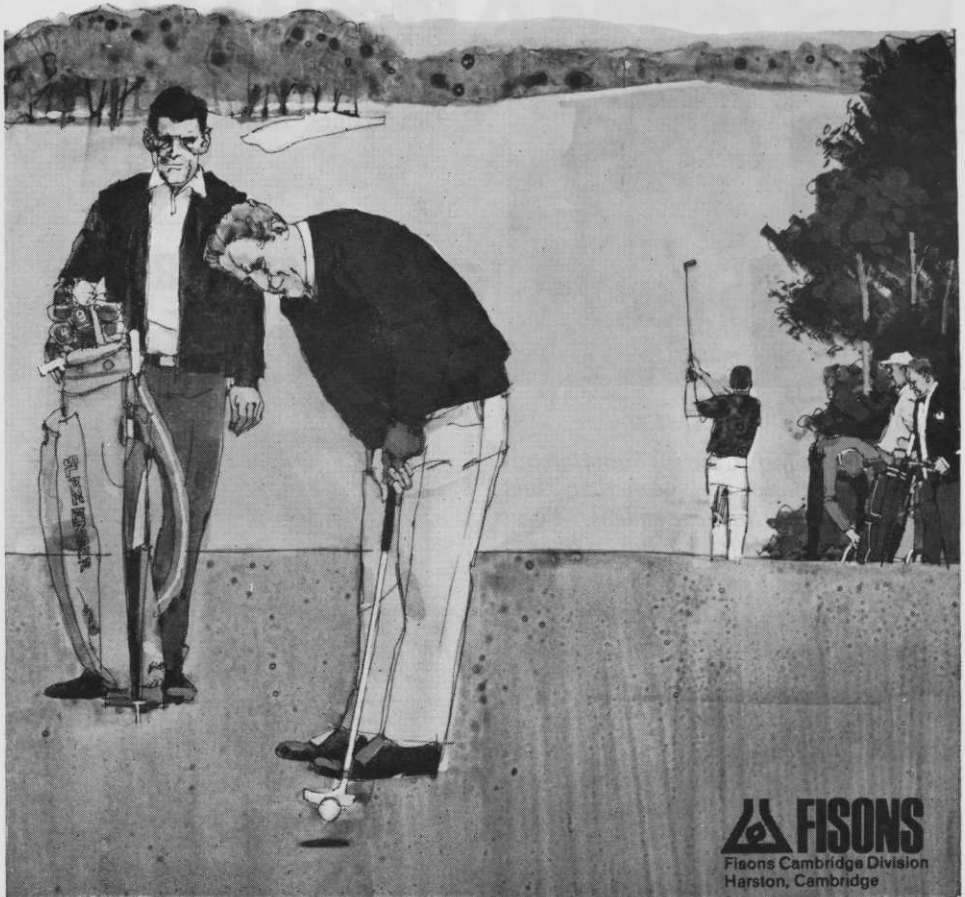
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**GOLF COURSE
SUPERINTENDENTS ELECT
OFFICERS FOR 1970**

Over 90 per cent of the Voting membership of the Golf Course Superintendents Association of America was present or represented by proxy at the annual Election of Officers in Houston, Texas, on 11th February 1970 when Norman W. Kramer was unanimously



NORMAN W. KRAMER

President, Golf Course Superintendents Association of America, and Golf Course Superintendent, Point O'Woods Country Club, Benton Harbor, Michigan.

elected president for 1970. Kramer is superintendent of the prestigious Point O'Woods Country Club in Benton Harbor, Michigan.

Other officers elected were Vice-President Richard C. Blake, Superintendent of Mount Pleasant Country Club, Boylston, Massachusetts; and, as Directors: Clifford A. Wagoner, superintendent, Del Rio Country Club, Modesto, California; Palmer Maples,

Jr., superintendent of the Standard Club, Atlanta, Georgia; and Jerry Murphy, superintendent, Somerset Country Club, St Paul, Minnesota.

Director Robert V. Mitchell, superintendent of Sunset Country Club, St Louis, Missouri, was reappointed Secretary-Treasurer of the Association for a third term in that capacity. As immediate past president, John J. Spodnik, superintendent of the Westfield Country Club in LeRoy, Ohio, assumes the title of President Emeritus. Other members of the Executive Committee for 1970 are:

Keith Nesbit, superintendent Westview Country Club, Aurora, Ontario, Canada.
Warren A. Bidwell, superintendent Philadelphia Country Club, Gladwyne, Pennsylvania.
Ben J. Chlevin, Executive Director, Golf Course Superintendents Association of America, Des Plaines, Illinois 60018.

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