

The British Golf Greenkeeper



September 1974

15p

THE VERTIRAKES

P.V.R. (*Pedestrian Vertirake*)

– for Golf greens, Bowling greens, Cricket pitches and Tennis courts.

J.V.R. (*Junior Vertirake*)

– for Golf course greens, Bowling turf, Fine lawns etc.

T.V.R. (*Tractor Vertirake*)

– for Golf course fairways, Municipal Parks, Sports pitches.



These three machines have been designed to remove all the thatch, thus stimulating recovery and growth of strong healthy grasses. You will find that each machine will clear the difficult, dead, matted, fibrous grass that is so often so difficult to get rid of.

We have a machine for every purpose from the small golf green to the largest Municipal playing fields. One great labour saving device we have fitted on our P.V.R. model is the very large glass fibre collecting box which saves an enormous amount of time and energy that would otherwise be wasted in sweeping up afterwards.

Start your New Year off well by writing for full information on VERTIRAKES to:

Pattisson

H. PATTISSON & CO. LTD.,
STANMORE HILL WORKS, STANMORE,
MIDDLESEX.



FOUNDED 1912

Published monthly for the benefit of greenkeepers, greenkeeping and the game of golf on behalf of the British Golf Greenkeepers' Association

President:

Carl Bretherton

Vice-Presidents:

Sir William Carr
Gordon Wright
F. W. Hawtree
S. Norgate
I. G. Nicholls
F. V. Southgate
P. Hazell
W. Kinsey
P. Marshall
W. Payne
W. Mountain

Chairman:

I. Scoones
7 Fenswood Road
Long Ashton, Bristol

Vice-Chairman:

Mr. E. R. James

Hon. Secretary & Treasurer:

C. H. Dix
Addington Court G.C.
Featherbed Lane
Addington, Croydon, Surrey
CRO 9AA

Executive Committee:

Carl Bretherton (President)
G. Herrington D. H. Major
V. Smith P. McCarron
W. Heeles J. Simpson
A. A. Cockfield H. M. Walsh
H. Fry (Jun.) E. James

Hon. Auditors:

Messrs. Smallfield Rawlins & Co
Candlewick House
116/126 Cannon Street
London E.C.4

Hon. Solicitors:

Henry Dowding, LL.B.
203-205 High Street
Orpington

The Association is affiliated to the English and Welsh Golf Unions

The British Golf Greenkeeper

HON. EDITOR: F. W. HAWTREE

No. 352 New Series SEPTEMBER 1974

CONTENTS

	Page
TEE SHOTS	5
TURFGRASS MAINTENANCE FERTILIZATION	7
LETTERS	15
NEWS	15
PULVERISED HORTICULTURAL BARK	19
GREENKEEPERS WAGES	23
SECTION NEWS	25

Front Cover Picture

Trained earthwork collects litter. 5 h.p. vacuum sweeper with extension hose from Allen Power Equipment Limited.

EDITORIAL AND SUBSCRIPTION OFFICES: Addington Court Golf Club, Featherbed Lane, Addington, Croydon, Surrey. Telephone: 01-657 0281. SUBSCRIPTION RATE: £1.85 for 12 issues post paid. Published during the first week of each month. All rights reserved. Reproduction of original articles and photographs in whole or in part is prohibited. This Magazine shall not, without the written consent of the publishers first given, be re-sold, lent, hired out, or otherwise disposed of.

Contributions and photographs of interest are invited.

ADVERTISEMENT OFFICE: Chilberton House, Doods Road, Reigate, Surrey. Telephone: Reigate 43521

LATEST COPY DATE: 1st of month prior to insertion.

TO INSERT A CLASSIFIED ADVERTISEMENT, write to the Advertisement Manager at the above address.

The rate is £3.00 per single column inch. Remittance must be sent with order. Please state number of insertions required and write advertisement in block letters. Advertisements will be inserted in the first available issue.

Printed by Olivers Printing Works (Battle) Ltd.

SEE US AT
MOTSPUR PARK
STAND H6



“Know the secret of hard-wearing, quick-growing turf?”

The strong root base, hard-wearing, quick-growing turf that sports fields require is assured using Supaturf Fertilisers.

Fertilisers for fine turf and outfields, for all seasons, pre-seeding fertilisers, top dressings and grass seeds.

Make sure you know the secret – use Supaturf Fertilisers, scientifically blended from organic and inorganic ingredients.

***Supaturf* FERTILISERS**

Supaturf Products Limited, Fenbridge Road,
Werrington, Peterborough PE4 6BR Tel. 72470
Sportsground, Park & Horticultural Supplies

Order now for Autumn/Winter

TEE SHOTS

We are pleased to learn that Mr. Leslie Barlow of Woodlands Golf Club, Mordialloc, south of Melbourne, is back in form again after a sudden illness. Leslie Barlow is President of the Victoria Curators' Association and a keen supporter of international relationships; he is also President of the Australian Turf Management Association.

Mr. John H. Madison, Jack L. Paul and William B. Davis have produced a brand new management programme for maintenance of putting greens. They had seen thatch and compaction develop progressively and worked out the alternative.

Basically they provide light frequent top dressings of sand in the 0.05—1.0 m.m. range and lace it with Bentgrass seed, herbicide, insecticide, fertiliser, Dolomitic lime and mixed minor element chelates in varying proportions. When pesticides are included, they are added as wettable powders, and depending on season, various insecticides are included to make up the recommended rate.

The application works out at about 3 cu.ft. of sand and 1½ lbs. of additives per 1,000 sq. ft. This adds about ½" of sand per year to the surface. They do no hollow tine forking to maintain weed control and add no organic matter. Grass, they claim, creates its own organic matter.

Certainly the profile of their turf after two years treatment looks a lot more homogeneous than the control treated with conventional top dressings.

Turning a flooded golf course into a championship tournament course in less than two months for this year's Canadian Open Championship was cited as one of the reasons Mississauga Golf and Country Club's golf course superintendent, Paul Dodson, was awarded a "Citation of Performance" by his professional organization, the Golf Course Superintendents Association of America (GCSAA).

In making the presentation during the tournament's closing award ceremony, Charles Baskin, president of the 3,700 member GCSAA, noted that not only had Dodson overcome the severe damage caused by flooding as late as May, but that he had provided a true test of golfing skills for the professionals, and an interesting course for the spectators. Those tournament spectators who saw 12 of the course's 18 holes under the Credit River flood waters on May 17 could appreciate what Dodson had accomplished in preparing this course for the \$200,000 prize money tournament.

When the suburban Toronto course was named as site of the Canadian Open for the sixth time, Superintendent Dodson could not have imagined the amount of work he would undertake to prepare his course for the tops in today's professional golfing circle.

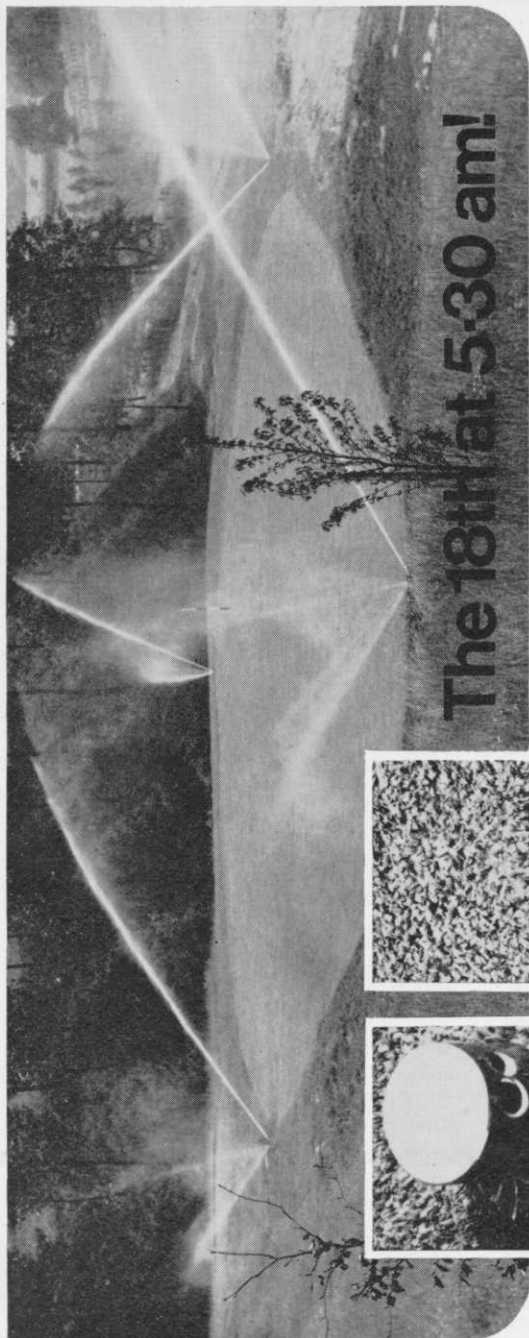


Granular Fertilisers

IDEAL FOR FAIRWAYS
AND APPROACHES

SEND
NOW
FOR OUR FREE
'GREENKEEPING'
CATALOGUE

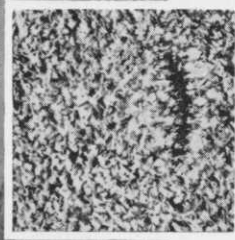
CANNOCK FERTILISERS LIMITED, CANNOCK, STAFFS WS11 3LW



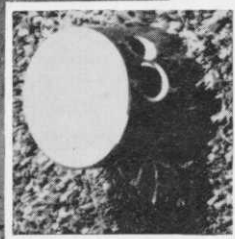
The 18th at 5.30 am!

(It could be St. Andrews, Troon, Sunningdale or your club...)

Toro 'pop-up' sprinklers water greens, tees and fairways through the night, automatically. Day time stoppages are eliminated, courses play consistently and of equal importance, greenkeepers can concentrate on other more demanding work around the course. Consider these benefits then ask Wright Rain to design a Toro 'pop-up' scheme for your club! Write for details and the name of your nearest appointed installer now . . .



Now you don't!



Now you see it . . .

NEW! This Toro 'pop-up' sprinkler disappears below ground after watering. Its fully retracting head protects against damage by mowers or vandals . . .

Wright Rain
WRIGHT RAIN LIMITED
 Ringwood, Hampshire BH24 1PA
 Telephone Ringwood 2251



Sole UK distributors for



pop-up sprinklers systems

SEE STAND L29 MOTSPUR PARK '74

TURFGRASS MAINTENANCE FERTILIZATION

With grateful acknowledgement to The Pennsylvania State University, Extension Service, University Park, Pennsylvania.

A regular lawn fertilization program is necessary if you expect to maintain good-quality Turf Pound for Pound, fertilization will do more to improve poor-quality Turf or maintain good-quality lawns than any other single management practice.

The best approach to the establishment of a regular fertilization program is to have a soil test made as a basis for the program. Soil testing service is available from The Pennsylvania State University Soil and Forage Testing Laboratory. Soil test mailing kits for this service may be obtained from your county agricultural extension office at a nominal cost. The soil sample is forwarded to the University. After the analysis is made, it will be returned to you with recommendations for fertilization.

Grass plants normally need nitrogen, phosphorus, and potassium (potash) in larger amounts than can be supplied naturally from the soil. Nitrogen is essential for vegetative growth and good green color as well as being a constituent of plant proteins, chlorophyll, amino acids, and other plant substances. Phosphorus is necessary for good root development and plays a role in many vital growth processes. Potassium is also required for physiological func-

tions and promotes disease resistance and winter hardiness in grasses.

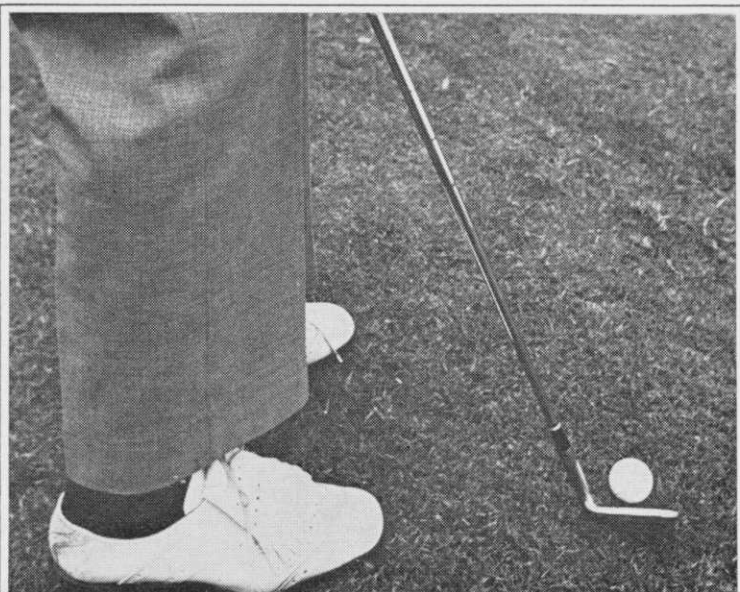
Fertilizer should be bought on a quality basis rather than on bag size. Value depends on the total amount of plant food contained in the bag and the source of the nitrogen-carrying portion of the fertilizer. Law requires that the total amount of plant nutrients be shown on the bag. Information on the bag may or may not indicate the source of nitrogen used; ask your dealer or county agent. If the fertilizer contains slow release nitrogen materials, the percent water insoluble nitrogen (W.I.N.) must be on the bag. If 35% or more of the total nitrogen is guaranteed to be water insoluble, you will be purchasing a quality lawn fertilizer.

Fertilizer Definitions

Complete Fertilizer—A complete fertilizer contains the three major fertilizer elements—nitrogen, phosphorus (phosphates), and potassium (potash).

Fertilizer Grade—A fertilizer grade is a designation of the percentages of nitrogen, available phosphate, and water soluble potash in the product. A 10-6-4 grade fertilizer contains 10% nitrogen, 6% available phosphates, and 4% water soluble potash. Thus an 80 pound bag of 10-6-4 would contain 8 pounds of nitrogen (10% of 80), 4.8 pounds of available phosphates (6% of 80), and 3.2 pounds of water soluble potash (4% of 80). Law requires that the grade be given on the container and always in the order of nitrogen, available phosphates, and water soluble potash.

Fertilizers Ratio—A fertilizer ratio indicates the relationship between the percentages of nitrogen, available phosphates, and water soluble potash found in fertilizer. A 10-5-5 grade contains twice as much nitrogen as available phosphates or water soluble potash and would have a 2-1-1 ratio. Grades of 16-8-8 and 20-10-10 would



Just like your club, your turf needs a professional.

For expert help and advice with their game, most club members have a professional to turn to.

But who can a green keeper turn to for help in keeping his turf up to par?

His own professional: SAI TURF FOOD

Courses like Carnoustie and Muirfield use SAI Turf Foods. It works wonders with grass.

It comes in the form of mini-crumb granules which makes it easy to spread.

It also stays where it's put, releasing its goodness slowly into the soil to strengthen grass growth.

For stronger, greener, cleaner, healthier turf, try SAI.

All enquiries to the manufacturers or to our accredited suppliers for England and Wales:

Chipman Chemical Co. Ltd., Horsham, Sussex.
Telephone 60341/5



HORTICULTURE LTD.

Hortus House, 3 John's Place, Edinburgh.

Telephone: 031-554 5451

also have a 2-1-1 ratio. A grade of 12-4-8 would have a 3-1-2 ratio. The simplest means of determining a ratio is to take the smallest number in the grade and divide it into each number of the grade.

Turf Type Fertilizer—A turf type fertilizer is normally defined as a complete fertilizer having an approximate 2-1-1 to 3-1-2 ratio, containing a minimum of 10% nitrogen, and having 35% or more of the total nitrogen as water insoluble nitrogen.

Lightweight Fertilizer—Lightweight fertilizers have the nutrients impregnated or carried on such materials as vermiculite, ground corn cobs, peat, composted garbage or trash, synthetic foams, and similar materials. They often have a higher nitrogen guarantee than normal weight fertilizers, and a given area can be treated with a smaller total weight of material. Many of these materials contain soluble (quickly available) rather than the more desirable insoluble (slowly available) nitrogen.

Liquid Fertilizer—Fertilizer nutrients carried in suspension or in water solution are termed liquid fertilizers. The value of these materials is based on the grade and the weight of the liquid rather than the fluid content. Law requires the weight to be on the container. The plant nutrient content may be calculated in the same manner as with dry fertilizers. If, for example, a gallon of 10-5-5 liquid fertilizer weighs 10.5 pounds, then that gallon would contain 1.05 pounds of nitrogen (10% of 10.5), .525 pounds of available phosphates (5% of 10.5), and .525 pounds of water soluble potash (5% of 10.5).

Water Insoluble Nitrogen

A fertilizer bag may carry the following label:

10-5-5
Guaranteed Analysis

Total Nitrogen	10%
4% Water Insoluble Nitrogen	
Available Phosphates	5%
Water Soluble Potash	5%

In the above label example, the 10% represents the total percentage of nitrogen contained in the bag, and the 4% represents the total percentage of nitrogen in the bag that is water insoluble. The percentage of the total nitrogen that is water insoluble must be calculated from this label information. This value can be obtained by dividing the percentage of water insoluble nitrogen indicated on the label by the total percentage of nitrogen contained in the bag (also indicated on the label) and multiplying by 100. In this case $4\% \div 10\%$ times 100, or 40%, of the total nitrogen is water insoluble. Thus, this fertilizer meets the requirements of a turf-grade fertilizer. If the grade were 20-10-10, having 4% water insoluble nitrogen in the bag, the percentage of the total nitrogen that is water insoluble would be $4\% \div 20\%$ times 100, or 20%, and the fertilizer would not meet the requirements.

Types Of Nitrogen

The ideal fertilizer program provides uniform growth over the entire growing season. The types of nitrogen-carrying materials in a fertilizer are very important in determining how such a program can be obtained. Basically, nitrogen materials are divided into two broad groups—quickly available and slowly available.

The quickly available materials are water-soluble, and the nitrogen is immediately available to the plants. Results are a sudden flush of growth and a rapid depletion (two to six weeks) of the available nitrogen. Thus, it will be necessary to make frequent light applications of these materials

Time for **TEXTURF**



...a fine product for fine turf!

Texturf cuts down time and labour by providing for immediate use a carefully blended and balanced winter dressing for golf and bowling greens, and fine lawns.

It incorporates superfine peat, wood charcoal, Leighton Buzzard special sand and Winterfeed Fertiliser.

You'll be delighted with the greatly improved grass growth and colour in the Spring.

Apply at 2 lbs. per square yard during the Autumn and Winter months.



TEXTURF

Packed in 1 cwt. heavy gauge polythene bags

Another super quality product from CANNOCK FERTILISERS LTD, CANNOCK, STAFFS WS11 3LW

in order to obtain uniform growth over a long period of time. Quickly available nitrogen material include ammonium sulfate, ammonium nitrate, nitrate of soda, ammonium phosphate, calcium nitrate, urea, and others.

Slowly available nitrogen materials release a major portion of their nitrogen over relatively long periods. These materials depend upon decomposition by soil microorganisms or hydrolysis to provide nitrogen in a form available to the plant. The activity of soil microorganisms is highly dependent upon soil moisture and temperature conditions. Under high temperatures and adequate moisture supply, microbial breakdown of these materials is accelerated. Under conditions of high temperature and low moisture or low temperatures the breakdown will be much slower. Materials dependent on hydrolysis for nitrogen release are relatively unaffected by temperature but are highly dependent upon adequate soil moisture. Within slowly available materials there are two general groups—natural organic materials and synthetic organic materials dependent on microbial decomposition, and synthetic organic materials dependent hydrolysis.

Natural organic materials include activated or processed sewage sludge, animal and vegetable tankage, manures, soybean meal, cottonseed meal, etc. Because these natural organic materials vary greatly in their chemical composition, there will be a wide variation in the rate of breakdown, although all of them will release their nitrogen at a slower rate than the quickly available nitrogen sources.

Ureaform compounds are synthetic materials made by the chemical union of urea and formaldehyde. Within a given ureaform material there is a series of chemical compounds with varying degrees of solubility and resistance to decomposition. As the soil bacteria decompose these materials,

the more easily decomposed materials break down first, followed by each successive compound. Thus, a small amount of nitrogen is constantly being released over a relatively long period of time. This permits the user to apply heavy applications of these materials at rather infrequent intervals. *Care must be taken not to confuse urea (quickly available nitrogen) with ureaform (slowly available nitrogen).*

IBDU (isobutylidene diurea) is an example of a synthetic material that is dependent upon hydrolysis to release its nitrogen. IBDU has extremely low solubility in water. As it is relatively unaffected by temperature, it has the advantage of releasing nitrogen, provided adequate moisture is available, during periods of cool weather when microbial activity is limited. IBDU has also been shown to be more efficient (more of the nitrogen applied is recovered by the plant) than natural organic or ureaform nitrogen sources.

To be continued

With grateful acknowledgement to the "Newsletter" of the GOLF COURSE SUPERINTENDENTS ASSOCIATION OF NEW ENGLAND, USA.

HUXLEYS HIRE

FOR THE PROFESSIONAL USER

Sometimes the purchase of equipment is not economic. We offer for hire specialised machinery for that seasonal job. Send for brochure and price list.



GARDEN MACHINERY

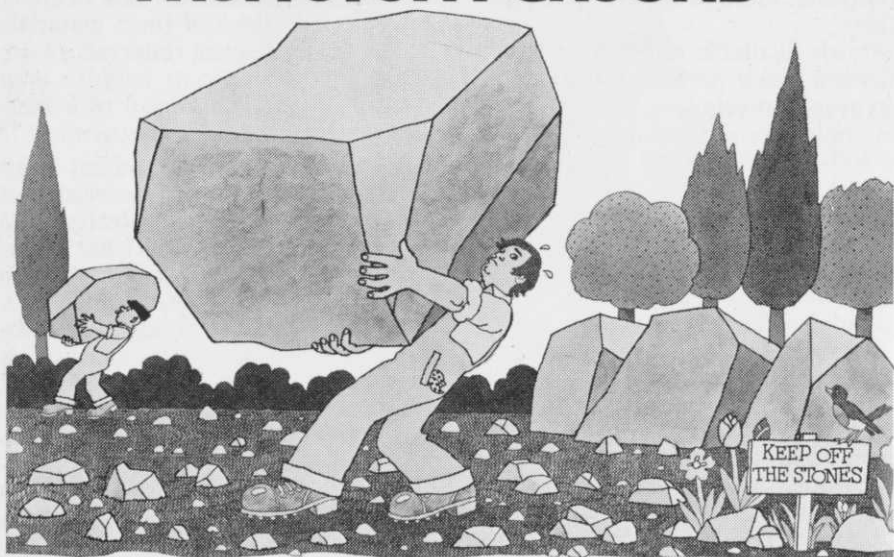
22/26 CHURCH STREET, STAINES, MIDDX

Tel. Staines 51123 (3 lines)

Also at The Dean, New Alresford, Hants

Tel. Alresford 3222

LELY BURYVATORS WIN ACRES OF GREEN FROM STONY GROUND



Buryvators' extra-fine screen means it can bury stones, from the size of golf-balls to house bricks, well underground. Coarse soil and vegetation covers them, and crumbled filtered soil tops it off leaving the ideal seedbed. Buryvator Cultiseeder adds a fertiliser-spreader and a seed-drill to do the whole operation. And all in one run by one man.

Lely gives you the greens without the blues.



To: Lely Import Limited,
River Lane Works,
Great Paxton,
Huntingdon PE19 4RD.
Telephone Huntingdon 75253.
Please send the Buryvator facts.

name _____

position _____

address _____

LELY IMPORT

WINNING ACRES OF GREEN
YEAR AFTER YEAR

BGG 5.74.

**EXTRACTS FROM LETTER
TO C. H. DIX FROM A.
ROBERTSHAW, ONE OF OUR
REPRESENTATIVES AT THE
TURF ADVISORY COMMITTEE,
held on April 24th 1974, under the
Chairmanship of PROFESSOR
A. D. BRADSHAW.**

Adrian Robertshaw.

Among the items discussed, one which should be of great interest to members of the B.G.G.A. was, and here I quote from the minutes of the meeting—

“The Department of the Environment, (D.O.E) had asked the Natural Environment Research Committee, (N.E.R.C.) to undertake a review of the present extent and nature of grassland used for amenity purposes, and the research needed.

N.E.R.C. had set up an amenity grass committee under the chairmanship of Prof. Bradshaw, with Mr. Compson, Mr. Escritt and Mr. Forestier-Walker, as three of its members (these four gentlemen are members of the T.A.C.) Dr. J. M. Little had been appointed for two years to serve the Committee and prepare the review”.

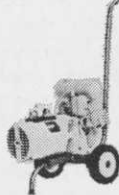
Dr. Little will shortly be sending a questionnaire to all members of the T.A.C. from which he intends to form a list of priorities for amenity grass research.

It would be a great assistance to me in completing this questionnaire if you will put on the agenda of the A.G.M. in September, an item “Reports from Representatives on other bodies”—when the subject could be discussed, and a consensus of opinion formed from the members attending.

ANDREWS POWER FORCE

Professionals, like you, need fast reliable power. The sort of performance that Andrews guarantee with every machine they sell. If you want the best—here they are.

PORTABLE POWER



Take your power with you. An Andrews generator gives you instant, economical power at the pull of a cord. These portable generators come in no less than 7 different sizes to answer your power needs. Every unit is built to the same sturdy specification for trouble-free performance anywhere, anytime.

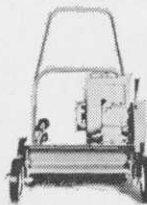
'CYCLONE' SPREADING POWER

The most powerful spreader on turf now comes in three sizes. The 'Standard' covers 120 sq yards in one minute.



The 'Compact' is ideal for larger lawns. Designed for easy towing behind any ride-on mower. The 'Major' is the really big one—its giant 10 ft. swath gives you a two acre per hour performance!

FLAIL-SAFE WITH BLUEBIRD



'Bluebird' is the most powerful scarifier on turf. Its strong, almost maintenance-free, 5 h.p. engine flails out grass cuttings, twigs, leaves and lawn-stifling thatch. The result—an immaculate sward. It's certain to be our 'Best Buy' in '74.

BILLY GOAT EATS RUBBISH PROBLEMS



'Billy Goat' has an insatiable appetite for rubbish. No special diet, this machine picks up leaves and grass cuttings, plastic cups, newspapers, cans and even bottles . . . then reduces all to a mere fraction of its original size and holds it in a huge dust-free bag ready for disposal!

Get the facts NOW. Pin this page to your letterhead and post to:

ANDREWS LAWN EDGERS LTD.,

The Garden Machine Centre, Sunningdale, Berks. SL5 0JJ. Telephone: Ascot 21960.

FRONT RUNNER- COST CUTTER

The best way to mow grass is with a front cutter — see where you're going and where you're mowing — cut the grass before you roll over it. The Norlett 'Professional' cuts up to 18 acres in a working day — mows under guard rails, around poles; follows ground contours in high grass or low. With instant forward-reverse gearing that cuts out braking and clutching, handling becomes automatic, minimising wear on man and machine. The 'Professional' is made to keep mowing, everything is accessible and adjustable to reduce maintenance costs and promote operator responsibility. With a cutting height adjustable from 1" to 4", the 'Professional' moves right in under trees and shrubs—so you don't need to follow on with a trim mower for those once inaccessible spots.

Man power is its greatest economy—mowing was once the full-time job of five men, four men, three men or two men—now with the 'Professional' its down to one operation . . .

ONE MAN — ONE MACHINE



Available in 76" (18 H.P. Wisconsin. Twin cylinder); 60" (12 H.P. Wisconsin); 48" (16 H.P. B/S) 42" (16 H.P. B/S widths of cut.

Full details and specifications from:
NORLETT LTD. Stadhampton Road, Great Milton, Oxford OX9 7PF, England
Telephone: Great Milton 373/6 Telegrams: Oxford Telex: 83637

LETTERS

19 Unit Road,
Ainsdale, Southport,
Merseyside.
16th July, 1974.

Dear Sir,

I have before me a letter from the B.G.G.A. titled 'Greenkeepers' Wages'. I've come to the conclusion it is just a worthless scrap of paper.

True it does say in the opening paragraph that wages levels remain the subject of negotiation between the Golf Club and the Greenkeeper in the light of local circumstances. True also that here in the North-West we have far too little bargaining power because of the absence of large industrial concerns and probably we are not by ourselves.

However, as greenkeepers we all have the same sort of problems and those of us on links perhaps more than our fair share.

I wonder if the B.G.G.A. realise that often wages levels for greenkeepers and their assistants are determined by the level of agricultural wages. I'm sure they do—but the agricultural workers are at this time subject to threshold agreements. I wonder how we can ensure we get our increase.

If we were affiliated to the T.U.C. this surely would be very easy. Even more important, we would I'm sure get the backing required to get more uniformity in wages.

We heard once again on T.V. from one of the 'Open' commentators about the shortage of courses both private and municipal and the inevitable shortage of experienced staff. How does the B.G.G.A. view this problem?

As greenkeepers our job seems to be to maintain a course in the best possible condition for continuous usage irrespective of weather conditions.

Surely it is not asking too much of the B.G.G.A. which has the backing of such influential men, to include in the 'Objects of the Association'—to secure and insist upon a National Salary Scale.

Yours faithfully,
E. G. Mawdeley
Head Greenkeeper

NEWS

We have received a nicely produced booklet entitled "Green Fingers and Grey Matter" published by Cannock Fertilisers Limited, Cannock, Staffs. WS11 3LW. This contains articles about growing roses, lawns etc. and is, therefore, aimed at the home gardener. However, a feature on soil and fertilisers provides information on N, P and K and the publication could be of interest to Green Keepers and especially useful to students and trainees. Cannock Fertilisers Limited will gladly send a copy on request, free and post free. Whilst writing, also ask them for their Green Keeping booklet.

Chipman Limited, Horsham, having earlier acquired from Cambridge Soil Services Ltd., the exclusive use of their new Sand Injection Turf Drainage System for the Government, Local Authority and amateur sports organisations, now announce that they have secured a complete franchise for this service extending to all U.K. markets including professional sports clubs. This equipment, for which patent application has been made, will now form an integral part of Chipman's expanding Turf Management service, especially in relation to waterlogged conditions and the poor swards which result therefrom.

Severe Spring Drought puts Playing Surfaces under Heavy Pressure

TAKE TURF ACTION NOW!

Just how could you combat the effects of the long, dry period that we had this Spring - the effects on turf in some cases have been pretty disastrous.

Ransomes would like everyone to benefit from their experience and to help you make the best out of what you have.

Not only now, but the year through, on a management basis.

Let's tackle each of the major problems that can affect your turf so seriously:

1. Soil Structure

Good growth depends on the soil being in good physical condition, with plenty of space in the soil for air, water and fertilisers to get down to the grass roots. The big enemy of this ideal condition is compaction - pressure from any source, tractor or footfall, can effectively seal the surface to prevent the life-savers getting down to the roots.

The farmer ploughs to cure this problem but the Golf Greenkeeper needs a less drastic remedy. Aerifying tools provide that solution. The unique action of Ransomes-Hahn Aerifying with specially designed 'spoons' ensures that the soil will be opened up and the soil structure maintained at its peak.

2. Thatch

Not all the grass blades stand up to be cut when you're mowing. And all mowers cut on a horizontal plane, so what happens to the blades that are lying flat on the ground? They form 'grain', uncut

blades that will remain flat until they die after about a month and become part of the 'thatch'. This thatch forms a roof over the soil that stops water and air penetrating, and, as it usually lays in one direction, it can have a very adverse effect on golf greens. And subsequently, on your putting! So how do we cope with this

mattress of grass? Simple really, we just use a mower that cuts vertically instead of horizontally, the Ransomes-Hahn 'Verti-Cut'.

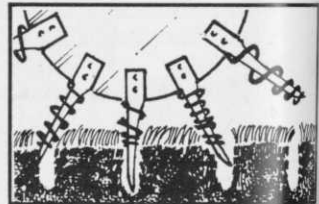
3. Top Dressing

It is the organic matter that we add - especially the organic material in the grass plant, that gives soils stability. The structure can, of course, be improved with materials like sand, humus and peat moss, depending on local conditions. This top dressing must be worked thoroughly into the surface.

Surface thatch accumulation must be removed by Ransomes-Hahn

'Verticutting' before top dressing is attempted and then top dressing penetration to the soil below is effected by the Ransomes-Hahn 'Power Drag'.

Repeated Ransomes-Hahn Aerification with its unique cultivating



Packed soil now has room to expand into the scooped out holes. The root-zone is opened out to enable air, water and fertilizer to have the most benefit. Strong root formation is made more easily in the surrounding soil.

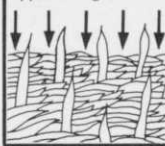
action is the best means of changing soil texture in the top 3 or 4 inches of the soil profile, allowing for the area to remain in use at all times. The action of the uniquely designed 'spoons' in removing cores of soil is the finest way of aerifying, and patented 'Flexi-press' springs fitted over each spoon prevent turf tearing.

RANSMES SYSTEMS TO THE RESCUE

One of the prime defences against any sort of trouble is to know the enemy. Turf care is no exception. Weather can be very unpredictable. This year, a very dry Spring caused no end of problems, so we must make the best of the condition prevailing.

Ransomes knowledge of turf care goes a long way beyond mowing and their complete range of turf maintenance equipment is designed to ensure that your grass areas are as good as they possibly can be.

Air and water cannot penetrate 'mattress' of flattened grass.



Give your roots an airing

When it comes to spiking and slicing you'll have to look a long way to find anything more effective than the Ransomes-Hahn TM Models.

The cultivating action of the aerating 'spoons' are the result of patient research into the surest way that the spiking will allow air, water and fertiliser to do most good. This action is unique to Ransomes-Hahn. Turf tearing is prevented by the patented 'Flexi-press' springs which fit over the spoons. Alternatively, the double point spiker blades cut cleanly and quickly. Three point tractor attachment makes the TM models highly manoeuvrable to deal with normally inaccessible areas.

Point for point you can't do better than employ Ransomes-Hahn turf maintenance equipment, talk it over with your Ransomes dealer.

Check these features

Two models TM140 or TM 80.

Full 6' cultivating width.

140/ 80 spoons of $\frac{1}{4}$ " open or thatch type with Flexi-press springs to match, or 140/ 80 blades

Built in weight rack as standard - also acts as effective safety guard.

Disc weights available as optional extra.

Draught eye as standard to attach drag mats.

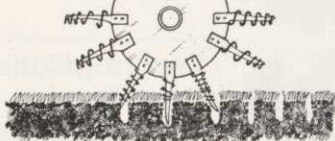
Ransomes Sims & Jefferies Ltd., Ipswich.

RANSOMES

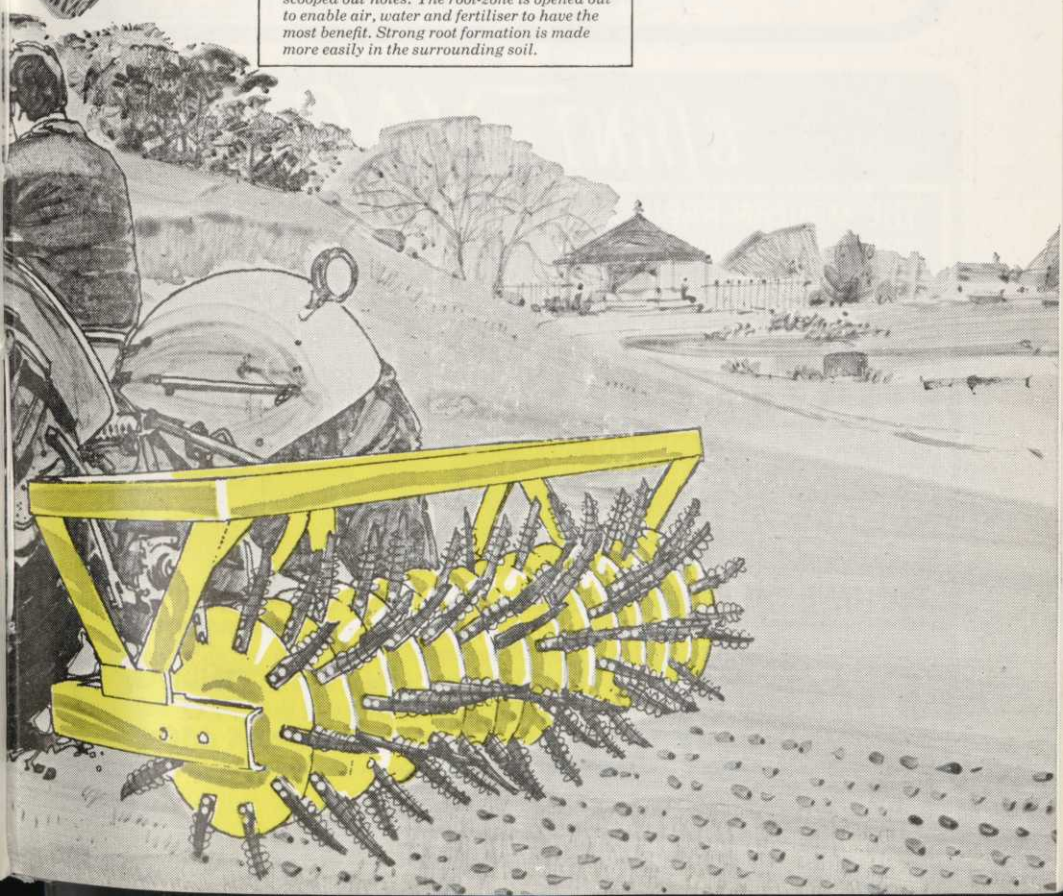
Ransomes-Hahn TM-140 Aerifier

...and a complete range of
turf improving equipment

Nothing beats cultivating action



Packed soil now has room to expand into the scooped out holes. The root-zone is opened out to enable air, water and fertiliser to have the most benefit. Strong root formation is made more easily in the surrounding soil.

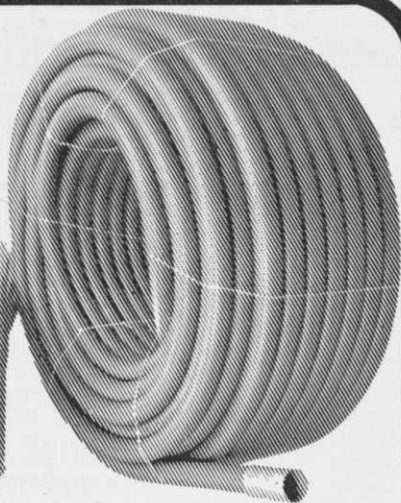
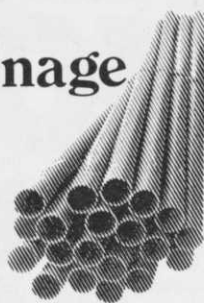


wavincoil

wavinflow

uPVC land drainage pipes

for
immediate
delivery
ex stock
available
from



Trenching Plastics Limited
Colne Road
Coggeshall Essex
Coggeshall 61641/2

GIANT-VAC

THE MODERN, RAPID AND
THOROUGH WAY TO CLEAR
THATCH, LEAVES, BLOSSOM,
BEECH MAST AND DEW —

BLOWERS

THEY REPLACE RAKING AND
SWISHING ON GREENS AND
FAIRWAYS. — 5 to 65h.p. Vacuums
& Truck Loaders also available.



WE HAVE THE MODEL TO SUIT YOUR PARTICULAR NEED!

For further information and address
of your stockist contact:

LITTERLIFT LIMITED, SCETHROG,
BRECON, WALES. LD3 7EQ
Tel: TALYBONT-ON-USK 650

LitterLift

PULVERISED HORTICULTURAL BARK

Bark Products (Bristol) Ltd.

History

Pulverised Bark has been widely used for the last 15 years in the USA, Canada, Finland and Sweden as a mulch and soil conditioner and to combat erosion of the soil by wind and also as a growing media for a wide variety of plants. In 1967 in this country in response to requests from certain growers the Forestry Commissions undertook trials to assess the usefulness of pine bark.

By 1972 a number of small outlets had been established, these being mainly in the field of Orchid growing and it was then that **Bark Products Bristol** was formed to market mixed conifer bark. The company operates in co-operation with the Imperial Group at St. Anne's Board Mills at Bristol and has received the full technical advice of the Forestry Commission in processing the large bark throw-off from this Mill and its subsidiary **Western Softwoods**. This throw-off is in the region of 12,000 tons per year and is composed of Scots Pine, Larch, Spruce, Douglas fir and comes mainly from the Welsh forests.

The Processing of Bristol Bark

The logs for pulping are de-barked in a large water friction drum and the shredded bark then passed on a moving belt to the pulveriser, the pulverised bark then being taken to the curing yards where it is stacked in 100 ton heaps.

Careful processing is necessary because two accusations have been levelled at bark in the Horticultural field. 1. The risk of introducing honey fungus with bark. 2. Toxicity. In the case of honey fungus any rhizomorphs which may be present are likely to be destroyed by the pulverising operation.

It is known that fragmented rhizomorphs are incapable of survival for more than a few weeks and are most unlikely to cause reinfection (J. R. Aaron, Forestry Commission (1972) Pulverised Pine Bark. J. Roy. Hort. Socy.).

S. H. GOSS & CO.

WEED CONTROL

SPECIALISTS

Selective or Total Weed Control
Grass Growth Retarding
Brushwood Control
Aquatic Weeds
also
Worm Control
Fertilisers Applied

Fairoaks,
Little Warley,
Hall Lane,
Brentwood, Essex
Telephone: Brentwood 216107

*The Best in
Toro Irrigation*

PROMPT AND EXPERT
ATTENTION.

ALL WORK EXECUTED
TO THE
HIGHEST STANDARDS

PIPECRAFT
LTD.

Head Office and Works
BROAD LANE · COTTENHAM
CAMBRIDGE CB4 4SW
Tel: Cottenham 50808 (3 Lines)

R. C. CRAIG

AND CO. LTD.

SPECIALISTS IN THE REPAIR AND
MAINTENANCE OF ALL TYPES OF MOWERS

* Agents for: RANSOMES SIMS &
JEFFERIES LTD.

* LLOYDS & CO. LTD.
WEBBS LAWN MOWERS

* Distributors: DENNIS BROS. LTD.

GANG MOWERS FOR HIRE

We will gladly call on you to advise
on your grass cutting equipment or
arrange demonstrations. Ring us now

*

**153 Arch Stamford Brook
Station, LONDON, W.6**

01-748 5415

STEWARTS GRASS COMB

FOR THE MAN WHO TAKES PRIDE
IN HIS TURF



*From the People
who care about Service*

STEWARTS

OF EDINBURGH

FINE TURF SPECIALISTS

EDINBURGH EH2 2AY 031-556 2102

**EASTERN CULTIVATED
TURF FARMS LTD.**

Wholesale
Grower of
Cultivated
Turf.

British Growers
of A-34
Kentucky
Blue Grass.

KENTUCKY BLUE GRASS

- * Consistent quality
- * Quick recovery after injury
- * Ideal for Golf Tees
- * Competitive price

Cranley Nursery,
Cranley Gardens,
London N10 3AR

Telephone: 01-883-5880

The driving out of the toxic elements is accomplished by natural thermophillic bacterial activity as a result of the great heat generated in the stack, the following tables giving the results obtained.

Physical Properties of Bark

1. Long life. Bark will last for up to 5 years in the soil, providing valuable humus and up to 3 years as a mulch at 5.08 cm.
2. High Moisture Retention. Due to corky texture, Bark has a very good moisture retention and yet allows free percolation of rain and fertilisers.
3. Suppresses Weeds. Due again to corky texture, Bark effectively resists penetration of wind blown weed seed and also prevents wind erosion of the soil.
4. Good Aeration Qualities. Due to the resilience and non-coherence of the particles it is virtually impossible to over-water Bark. Also it does not compact, i.e. 'fall in the pot'.
5. A Natural Pest Repellant. Due to its texture and the initial presence of a small amount of monoterpenes not injurious to plants, slugs do not like it. (Report by the John Innes Institute at Chelsea, 1973).
6. Contains a small amount of Plant Nutrients. See University of Reading Analysis under :

Pulverised Bark—Analysis for Bark Products Bristol Ltd. January 1974.

Dry Matter	48.21%
Nitrogen	0.309%
Nitrate Nitrogen	15.5 ppm
PH	4.70
Conductivity	6.50
Available Potassium	180 ppm
Available Phosphorus	88 ppm
Available Magnesium	240 ppm

Products and uses

Three grades of Bark are produced. Chunky, Peanut and Fine. Chunky is at present in limited supply and its use is confined mainly to Orchid Growers. Peanut and Fine are both equally suitable for Soil Conditioning and Mulching, have a pleasing appearance and are good Weed Suppressors. When using as a Mulch or Soil Conditioner the use of a small amount of Nitrogenous Fertiliser at say 56.698 grammes per sq. metre is recommended. This is to stop the denitrification of the soil by Microflora which need nitrogen to break down the bark. In practice, however, bark has been put down without fertiliser without harmful results, notably at Surrey University and Highdown Chalk Gardens at Worthing. A fortified fine grade bark is also produced for top dressing of Rose Beds and Rockeries and for general growing and potting. This contains a Slow Release Fertiliser with Chelated Trace Elements and is becoming well known by the Amateur Gardener.

Weight/Volume Ratio. 1 tonne = 4.572 cubic metres when properly applied. Coverage at 5.08 cm depth = 82.296 sq. metres.

Some users of Bristol Bark

Soil Conditioning and Mulching. Milton Keynes Development Corporation. Worthing Corporation (Highdown Chalk Gardens). Telford Corporation. Surrey University. Bovis Homes (South) Ltd. Royal Botanical Gardens, Kew.

Consultancy Service

Further advice and On-Site appraisal may be obtained from **Bark Products Bristol Ltd.**



Borough of Milton Keynes

HEAD GREENKEEPER — ABBEY HILL COLF COURSE (REF. R69)

Salary on Scale £1,926 — £2,535 per annum

Applications are invited for the position of Head Greenkeeper at Abbey Hill Golf Course which is at present under construction in the New City of Milton Keynes and will be opening in 1975. This is an 18 hole, 6650 yard course including a practice area, putting green and possibly other facilities in the future. The successful applicant will be involved in the initial maintenance and upkeep of all grass areas, the automatic watering system, plant and equipment.

The salary scale quoted is at present subject to national review and in addition a threshold payment is at present payable. Housing accommodation can be provided and assistance given with house purchase and removal expenses.

Application forms are obtainable by telephoning or writing to the CHIEF PERSONNEL OFFICER, BOROUGH OF MILTON KEYNES, PO BOX NO. 111, SHERWOOD HOUSE, SHERWOOD DRIVE, BLETCHLEY, MILTON KEYNES, MK3 6QE. (TEL MILTON KEYNES 71171 EXT. 423). Closing date 20th September, 1974. Please quote reference number when enquiring.

HEAD GREENKEEPER for BELVOIR PARK GOLF CLUB

This is a parkland Golf Course, with automatic watering system and modern equipment available. Rent-free house. Salary negotiable.

Apply, stating experience, to :

SECRETARY/MANAGER,
BELVOIR PARK GOLF CLUB,
CHURCH ROAD,
NEWTOWNBREDA,
BELFAST, 8.

Greenkeepers Wages

In March 1974 the Executive Committee reconsidered the figures, and now suggest the following:—

Head Greenkeeper	(36 holes)	...	£3,000 p.a.	Minimum		
				(plus accommodation		
				4 weeks holiday and		
				B.G.G.A. Subs.)		
Head Greenkeeper	(27 holes)	...	£2,750	„	„	„
Head Greenkeeper	(18 holes)	...	£2,500	„	„	„
Head Greenkeeper	(9 holes)	...	£2,250	„	„	„
First Assistant	£2,000	„	and 3 weeks holiday.	
Assistant	£1,750	„	„	„

40 Hour Week
Plus Statutory holidays.

Golf course watering problems solved! with **CAMERON IRRIGATION**

No-one knows more about golf course irrigation than Cameron. Look at these two great sprinkler systems you can choose from.

CAMERON - FIRST IN POP-UP SPRINKLERS

With Cameron *Automatic Pop-Up Sprinklers* plus the Cameron Electronic Control Panel, you can water your course any time you like, even apply fertiliser and disperse dew — automatically! Save labour, cut costs!



CAMERON - FIRST IN PORTABLE SPRINKLERS

The next best thing to Cameron automatic watering. Use only the minimum labour. Cover the average golf green from one position. Adjustable water jet.



GEKA QUICK RELEASE HOSE COUPLINGS. Made in Brass. Save time, money, labour.

PLASTIC PIPE & FITTINGS. Complete range available.

Ideal for the small jobs you do yourself.

TRICOFLEX HOSE. The bright yellow lightweight, reinforced plastic hose built to last. Always supple; non-kinking.

FREE ADVICE. Contact us when you have an irrigation problem. Any time.

Write or telephone NOW for details. 24 hour answering service.

CAMERON PUTS WATER TO WORK

Cameron



CAMERON IRRIGATION CO. LTD.,
Harwood Industrial Estate, Littlehampton, Sussex.
Telephone: Littlehampton 3985 (5 lines)



Head Greenkeeper

(New Towns Salary Scale IV/V: £2,112 - £2,793 plus threshold payments)

The Corporation has promoted the development, to high standards, of a new 18-hole Golf Course which will, after completion, be leased to a commercial operator. Work on the course is in progress.

In order that the future operator of the course can inherit the services of a Head Greenkeeper with full knowledge of the course, its construction, materials and drainage, the Corporation seeks to make an appointment to the above position. The successful candidate will initially liaise with the Golf Course Architect and the Contractors, involve himself in all aspects of the construction and fully acquaint himself with the physical characteristics of the course. Upon completion of the course the successful applicant will become fully responsible for its day-to-day maintenance. In order to ensure continuity of employment a condition of the disposal of the course will be that the successful applicant will transfer to the employ of the eventual operator at an equivalent salary.

Application Forms, which should be returned by Monday, 23 September 1974, can be obtained from:

The Secretary,
Warrington New Town Development Corporation,
P.O.Box 49,
80 Sankey Street,
WARRINGTON, WA1 1SR.

**GREENKEEPER/PRO
OR
HEAD GREENKEEPER**

Required.

No accommodation available.
Salary negotiated.

Write giving age, experience etc.

THE SECRETARY
SEAHAM GOLF CLUB
SEAHAM CO. DURHAM.

**EXPERIENCED
HEAD GREENKEEPER**

Required.

18 hole Course. Salary negotiable.
Position includes modern 3 bedroomed house. Free Rent and Rates.

Apply :

Secretary,
Leigh Golf Club Ltd.,
Kenyon Hall, Culcheth,
Warrington, Cheshire.

**LAWN
MOWER
GRINDERS**



A comprehensive range of superior machines designed and built to suit operators' requirements. For brochure and full details contact us now.

ATTERTON & ELLIS LTD

Dept. B.G.G. Iron Works, Haverhill,
Suffolk. Tel: Haverhill 2312/3.



Special Occasions

- Sept. 6 Southern Section Buffet/
Dance—West Essex G.C.
- 11 Welsh Section, President's
Shield—Pennard G.C.
- 11 Southern Section Autumn
Tournament — Burnham
Beeches Golf Club.
- 18 East Midland Autumn Golf
Tournament — Chilwell
Manor G.C.
- 18 Midland Section Autumn
Tournament—Handsworth
G.C.
- 26 North-East Section Autumn
Tournament 27-Hole—Tee
off 9 a.m.—Tyneside G.C.
- 30 B.G.G.A. 1974 ANNUAL
TOURNAMENT and
Oct. 1 A.G.M.—Isle of Purbeck
& 2 Golf Club, Studland, Swan-
age, Dorset.
- 9 Southern Section Secretary's
Match—Stoke Poges G.C.
- 10 North-West Section Au-
tumn Tournament—Priest-
bury G.C.
- 16 First Winter Lecture—
Speaker: R. L. MORRIS
Snr. Turf Horticulturist at
Levington Research Station.
Venue: Whitbreads Social

and Sports Club, add:
Chiswell Street, London,
EC1Y 4SD.

Tel: 01-606 4455.

- Oct. 16 Southern Section 1st Winter
Lecture—Whitbreads Social
and Sports Club, Chiswell
Street, London. EC1Y 4SD.
- 28 South Coast Section Au-
tumn Tournament—Parks-
tone G.C.
- Nov. 5 South Coast Section 1st
Winter Lecture—Alresford
G.C. 7 p.m.

Midlands Section

Chairman:
G. HART

Hon. Secretary:
R. GOODWIN
2 Greenkeepers Cottage,
Ashridge G.C.
Ashridge Park,
Berkhamsted, Herts.

Annual General Meeting

The A.G.M. was held at Habberley
Golf Club on Monday, 15th July.

Mr. Bretherton was re-elected Pre-
sident.

The Vice-Presidents were re-elected
en bloc, with the addition of Mr. F.
Stanbridge and Mr. J. B. Franks.

V. Smith was elected to be Chair-
man.

R. Smith was elected Vice-Chair-
man.

A. Kite and D. Haynes were elected
as Joint Secretaries.

A. Jamieson was elected Treasurer.

The following were elected to form
a Committee:

C. Frost, E. Thomas, D. Brazier, A.
Boraston, G. Hart, F. Cashmore, and
A. Parton.

V. Smith was elected as the Section
Representative to the Executive Com-
mittee.

The Secretaries Honorariums to be
£30.00.

A unanimous vote of thanks was
extended to G. Hart, retiring Chair-
man, F. Cashmore, the retiring
Treasurer and R. Goodwin, retiring
Secretary.

Receipts

To Balance—1st May 1973

	£	p
Balance at Bank	100.72	
Subscriptions		
31 Class A	124.00	
10 Class B	30.00	
32 Class C	64.00	
Entrance Fees	5.50	
Badges & Ties	13.52½	
Entertainments	259.50	
Donations:		
Golf Clubs	94.75	
Vice Presidents	91.60	
H.Q. Draw	41.42	
Prizes	34.10	
Percentage of Draw	5.60	
Sundries	7.75	
	<hr/>	
	£872.46½	

Payments

	£	p
By H.Q. Section Dues	140.90	
S.T.R.I. Dues	17.25	
Badges & Ties	38.73	
Journal Postages	45.50	
Entertainments	273.55	
Printing	20.80	
Postages	17.24	
Honorariums	30.00	
Delegates Expenses	10.00	
Wreath	5.72	
Prizes	41.75	
H.Q. Draw	41.42	
Sundries	66.28½	
Transfer to Deposit A/c.	50.00	
Balance 30 April 1974		
At Bank	73.32	
	<hr/>	
	£872.46½	

Summer Tournament

The Summer Tournament was held at Habberley Golf Club on Monday, 15th July, over 18 holes.

1st	Nett—N. Jones
2nd	„ —D. Haynes
3rd	„ —T. Morris
4th	„ —R. Pullen

5th	„ —A. Cutler
6th	„ —R. Goodwin
7th	„ —A. Boffy
8th	„ —T. Cutler
9th	„ —W. Boyce
10th	„ —A. Lewis
11th	„ —W. Drewitt
12th	„ —R. Smith
13th	„ —R. Pugh
14th	„ —G. Hart
15th	„ —A. Kite
16th	„ —D. Shortley
17th	„ —C. Frost
18th	„ —V. Smith
19th	„ —B. Ashbey

The Gross Prize was won by G. Woodward with a score of 77—Holdall. The Prizes were presented by Mr. Humphreys, the Captain of Habberley, who extended a warm welcome to Greenkeepers and hoped the day had been enjoyable for all. John Grealy had the course in fine condition and Mrs. Grealy and her lady helpers provided us with first class meals throughout the day. Frank Cashmore, Peter Wyatt, and Ron Huntley, looked after the Score Cards and our thanks are also given to the Prizes Doners. The majority of Prizes were given by the Members and Directors of Habberley Golf Club. Our thanks also to Mrs. Grealy, John Grealy, "Toro" and "Cannock Agricultural". I would also like to thank the Captain of Habberley for allowing us the courtesy of the course and Clubhouse.

Day Trip to "Toro" at Darlington

A visit to "TORO's Factory at Darlington has been arranged for Tuesday, 12th November. The coach will leave the car park between the Civic Centre and Bingley Hall, Broad Street, Birmingham, at 7.00 a.m. The coach is free and a meal will be provided by our hosts at Darlington. Please let me know by end of October if you are coming.

South Coast Section

Chairman:

MR. E. R. JAMES

Hon. Secretary:

(MRS.) N. M. STIMSON

Nth. Wilts. G.C.
Devizes.

All Members are reminded that the Autumn Tournament will be held on Monday 28th October, 1974 at Parkstone Golf Club, by courtesy of the Committee. Tee-off—9.30 a.m. 27-Hole Stableford. Members are invited to bring one guest (entry fee £2.75p each).

Entries, together with current golf handicaps should be sent to Mr. E. Fox, Tournament Organiser, c/o Huxley's Machinery, The Dean, New Alresford, Hampshire, not later than Tuesday, 15th October 1974. Cheques and postal orders to be made payable to B.G.G.A. South Coast Section please.

The Winter Programme of Lectures will be held at ALRESFORD Golf Club on the first Tuesday of each month, November to February inclusive at 7 p.m. The March lecture will be held at Huxleys premises, New Alresford, at 7 p.m.

Our congratulations to Trevor Smith on his recent promotion to First Assistant at Parkstone Golf Club.

P.S. We welcome to the Section the following Honorary Members, and hope their association with us will be a long and happy one:—

J. L. Collins (Chipman Ltd)
Roffey Bros. Ltd.

Northern Section

Chairman:

J. SCOTT
Wetherby G.C.

Hon. Secretary:

W. HEELES, ESQ.,
7 Tentergate Close,
Knaresborough, Yorks,
HG5 9BJ.
Tel: K'boro 3851

Amended Handicaps

The following Handicaps have been amended.

A. Robertshaw 7 to 8
R. Barnes 6 to 7

C. Geddes	14 to 12
G. Bennison	9 to 10
J. E. Storey	15 to 14
A. Burge	18 to 17
H. Marshall	19 to 14
J. G. Redhead	19 to 17
R. Emsley	18 to 16
R. Smith	19 to 18
J. L. Grierson	24 to 21
H. Shaw	18 to 16
P. Carter	24 to 22

W. Heeles,
Hon. Secretary.

North West Section

Chairman:

E. WALSH

Hon. Secretary:

H. M. WALSH, ESQ.,
Old Links G.C.
Montserrat, Bolton,
Tel: 40050

Thanks

On behalf of the members of the section I would like to say "Thank you very much" to the Captain and Council of Swinton Park Golf Club, Manchester for their kindness in granting us the use of their club house for the purpose of our committee meetings and our series of winter lectures (which by the way will be starting again in October). Their kindness is greatly appreciated. Thank you once again gentlemen.

Autumn Tournament

As stated in the previous issue of the journal the Autumn tournament will be played over the Prestbury Golf Club's course on Thursday October 10th, Tee off from 9.00 a.m. Will all members who intend to be present please inform me as soon as possible, so that I can make the necessary catering arrangements. As usual it will be over 27 holes and a competition for members guests over 18 holes will also be played. The full address of the club is as follows:—

TOP QUALITY TURF DOES NOT GROW . . .



. . . **WITHOUT** the use of the finest seeds and fertilisers.

Parkers have spent many years perfecting their VERDANT range of GRASS SEEDS and FERTILISERS which is why they are used by leading groundsmen and greenkeepers everywhere.

Why make do with second rate turf when you could have a VERDANT SWARD.

And once your sward is established Parkers can provide you with a complete range of materials and equipment to ensure that this perfection is maintained.

People who **KNOW** go to **PARKERS**

Why not join them on Stand 3, Avenue F, at Motspur Park, where a warm welcome will await you?

T. PARKER & SONS (Turf Management) Ltd.,
Worcester Park, Surrey, KT4 7NF
Telephone 01-337 7791 01-337 0861 (10 lines)

The Prestbury Golf Club Limited,
Prestbury,
Near Macclesfield,
Cheshire.

Lectures

The winter series of lectures will once again be held at Swinton Park Golf Club. The first will be given by Mr. P. Wyatt of Pattissons on a date in October which will be finalised for the next issue of the journal.

New Members

We welcome to the Section the following new members and hope their association with us will be a happy one.

A. F. Milburn, Bury Golf Club,
Bury, Lancs.

Honorary Member. Reg. Daniels.
The Garden Centre, Wigan Road,
Leyland, Preston.

Southern Section

Chairman:

F. W. FORD
(South Herts)

Hon. Secretary:

F. W. FORD
68 Salcombe Gardens,
Mill Hill, London, NW7.
Tel: 01-959 2847

Obituary

It is with great sadness that I report the death of our friend and President for the past 10 years, Jack Wallace-Arthur. He died in Barts Hospital on Saturday 6th July, 1974.

We all knew that Jack had been suffering a great deal for the past 18 months but although he couldn't make the stairs at The George, he still turned up to wish us well at the meeting. He will be missed by all.

The cremation took place at the well attended Marylebone Crematorium and the Southern Section was represented by Chic Davidson and myself. Our deepest sympathy goes to his widow, Mrs. Wallis-Arthur, from whom I received the following letter:

Dear Mr. Ford,

Would you kindly thank all Jack's friends in the Southern Section of the B.G.G.A. for the lovely flowers. It was very kind of them.

He considered it a great honour to be their President and was only sorry that he was unable to attend more often and stay to the end of your meetings over the past 18 months.

My only consolation at the present time is that he is no longer suffering.

With kindest regards,

Yours very sincerely,

Iris Wallace-Arthur.

Inter-Section Match

After many "Pow-Wow years", the Southern Section met the Midland Section in a 12-a-side match at the Crews Hill Golf Club and despite the deluge in the early hours, the occasion proved to be an outstanding success.

We are all now looking forward to our next meeting in 1975 which will be in the Midland area.

We all enjoyed the good food arrangements at Crews Hill, the courtesy of the new Club House and course, the hard work put in as Mine Host by Eric Johnson and the hilarious entertainment conclusion by Stan Taylor, a member of the club and a most versatile dialect comedian. It is hoped that he will accept our invitation to the Autumn Tournament at Burnham Beeches.

We were all pleased to see George Hart still playing good golf off 8 at 72 and our friend from Bognor Regis, Archie Creese.

The Golf was a win for the Southern Section by the narrow margin of one match and the prize, the BOB CRAIG trophy, was presented by David Craig.

New Members

A warm welcome to the following new members whose names are listed below:

M. G. Hawtree and J. H. Davis (Class E). D. Cross (Maxwell Hart) and to T. Higgins now Head Greenkeeper at Orsett transferred from the Scottish Association.

Job Changes

G. N. BROWN (CLASS A)
FROM MANNINGS HEATH
TO CROHAM HURST

D. WELLS (CLASS A)
FROM BELFAIRS
TO ROCHFORD

F. MACE (CLASS A)
FROM HENDON
TO HARTSBOURNE
MANOR

P. AINSWORTH (CLASS A)
FROM BUSH HILL PARK
TO JOHN LEWIS (NEW
COURSE)

A. J. NEVILLE (CLASS B)
FROM GOG MAGOG
TO BARR HIL (NEW
COURSE)

F. WING (CLASS C)
FROM ST. LEONARDS
TO ALDENHAM (NEW
COURSE)

October Lecture

As stated in previous Journal the lecture programme will commence at 6.30 p.m. on Wednesday 16th October, 1974 at Whitbreads Social & Sports Club, Chiswell Street, London, EC1Y. Telephone 01-606 4455. The Speaker will be R. L. MORRIS, Senior Turf Horticulturist at Levington Research Station.

F. W. Ford, Hon. Secretary.

East Midland Section

Chairman:
G. DARBY

Hon. Secretary:
S. FRETTER, ESQ.,
4 Queens Drive,
Leics. Forest East,
Leicester.

Annual Spring Tournament

I would like to thank **Toro Ltd** for the prize they gave us for our Spring Tournament, and apologise for not having done this in the write up of this tournament.

The President's versus Captain's match was held at Kibworth Golf Club on Wednesday 12th June, 1974. The Captain's team once again won. The weather was terrible, rained all the match, but a very good time was had by all. Our thanks to Kibworth Golf Club for allowing us the courtesy of the course, to the steward and inside staff for a lovely meal, to Mrs. Darby and Mrs. Mott for the starting and raffle.

S. Fretter, Secretary.

Welsh Section

Chairman:
Mr. J. MARTIN
3 The Glebe,
Bishopston,
Swansea

Hon. Secretary:
T. M. JONES
14 Tanyrallt Road,
Clydach,
Swansea.

Our June meeting was held at Southerdown Golf Club on Tuesday 25th. The weather was very windy making golf pretty hard but as the day went on the weather improved for us and an enjoyable day was had by all. The prizes were presented to the following:—

Seniors

	Name	Score
1st	D. J. Rees of Neath Duncan Cup, a Gold Watch given by Ransomes and 4 golf balls.	68 Net
2nd	A. Price, of Carmarthen Orgorman Cup, 6 Wine glasses and 3 golf balls.	71 Net
3rd	T. Thompson of St. Pierre Golf Umbrella given by Llantrissant and Pontyclun Golf Club, and 2 golf balls.	75 Net
4th	H. Fry of Clyne Coffee Tray.	75 Net

Juniors

1st	W. Jones of Southerdown Birdie Cup, Holdall presented by Mr. Harold Gould and friends, plus 3 golf balls.	78 Net
-----	--	--------

Mr. Bird kindly gave golf balls to be presented.



FYLKING

TURF GRASS

**mightiest
blade
growing**

FYLKING SMOOTH STALK MEADOW GRASS

'FROM QUALITY CONSCIOUS SEED DISTRIBUTORS'

The Champion, a hardy Viking blade, originating in Svalof, Sweden, Fylking Smooth Stalked Meadow Grass excels on every count.

✓DISEASE RESISTANCE

✓LOW CUTTING HEIGHT TOLERANCE

✓WEAR TOLERANCE

✓RAPID ESTABLISHMENT

✓CERTIFIED SEED QUALITY

✓BRITISH TESTED

Go against the grain

'Grain' is a problem in fine turf maintenance, and if neglected rapidly leads to thatch. Conventional mowing only cuts erect grass blades, the flat laying blades are left to grow, and brushing before mowing doesn't really have much effect.

Where turf condition is a matter of importance and pride a Ransomes-Hahn Verti-cut is a versatile machine that will really pay its way.

It's as easy to use a greensmower, the difference being in the vertical action of the blades. Blade spacing can be changed to suit various types of grasses. Just look at the number of jobs you can tackle with the VCD-15: Precision verticutting golf greens, Verticutting aprons tees, etc., General purpose verticutting, Pulverising soil cores, Preparation for seeding, Renovation, Thatch removal for insect control,

Thatch removal for disease control, Thatch removal for increased water penetration.

See your Ransomes dealer—and he'll arrange a demonstration.



'Grain' has a pronounced effect on the run of golf ball.

Ransomes Sims & Jefferies Ltd., Ipswich

RANSOMES

Ransomes-Hahn VCD-15 Verti-cut

...and a complete range of
turf improving equipment

