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Front Cover Picture:

Putting on the 12th green at Hoylake.
Dear ‘Besieged’ of Tunbridge Wells...

If it’s any consolation, you are not alone in your difficulties.

Every week, groundsmen and greenkeepers write to me from all over the country, worried about the state of their turf; and the effect it’s having on their players.

I tell them that what they really need is a proper turf service. The best one I know of is operated by Fisons of Cambridge.

Not only do they offer an unusually fine range of products, but something that is invaluable in this day and age – a sympathetic ear.

They’ll send a man round to see you, free. You can talk things out and sort things out. (All their people are thoroughly trained in all aspects of turf culture.)

Then he’ll recommend the best course of action in your particular case; although, of course, you’ll be under no obligation.

Anyway, why don’t you get in touch with them yourself? The address to write to is: Fisons Ltd., Recreational and Industrial Dept., Harston, Cambridge, CB2 5HU. Or you may call them at 0223 870312.

Meanwhile, may I suggest a stout padlock?

The complete fine turf service.
The Atco Groundsman.
A cut above other mowers.

The 28" and 34" Groundsman are now available in both electric and kick-starter versions.
The electric version has a 12 volt self-starter, battery and automatic charging system as a standard fitment.
Apart from this and their cutting widths, they share the same features.
To start with, they're both fitted with six heavy duty blades which give 81 cuts per yard—an unusually fine cut for their size.
They can be power driven with the cutters stationary by operating a cutter release clutch.
What's more, either machine may be used with or without the optional standard Atco trailer seat.

Another feature is the tubular handles specially designed for added manoeuvrability when turning.
They can be adjusted quickly to suit individual operator heights by means of an instant clamping lever.
There's a new 'swing over' type glass fibre grass box. It is mounted on tubular steel support arms and its lower section is recessed so it can be used with swivel front rollers.
Then there's a large capacity fuel tank which holds one gallon of petrol.
It takes one professional to recognise another. Is it any wonder then that Atco mowers are used on some of the most famous stretches of turf in this country.

ATCO As famous as the lawns we cut

For full details of Atco mowers write to Charles H. Pugh Ltd.,
P.O. Box 256, ATCO Works, Birmingham, B9 4PR.
Now there's a mosskiller that doesn't clog up the works.

It's the first one in a peat-based granular form. This means it flows free and easy without missing strips along the way.

It's four times more concentrated than most mosskillers you're used to. (You need only 1oz. per square yard.) It contains the right balance of nitrogen: as the moss goes, grass grows.

It's clean and pleasant to handle. And it's called Hi-lite. The choice is yours: like it or lump it.

Hi-lite Mosskiller. 

Recreational and Industrial Dept., Harston, Cambridge, CB2 5HU. Telephone Cambridge (0223) 870312.
BLUEBIRD - THE MOST POWERFUL SCARIFIER ON TURF!

Driven by a robust and tested 5hp engine, this scarifier will flail out grass cuttings, bed fibre and all forms of debris to leave you with a perfect sward. Wherever professional standards count, just remember the name BLUEBIRD... we defy you to find better value for only £192.50.

CYCLONE SPREADING PERFORMANCE

These heavy-duty spreaders are built to full professional specifications. Their 10ft spreading swath covers an unbeatable 2 acres an hour. Push by hand or pull by tractor - 'CYCLONE' will give you an even spread everytime. Unrivalled performance for only £65.45. Smaller hand propelled model available.

INSTANT PORTABLE POWER

A range of 7 generators to give you immediate power anywhere, anytime. Portable generators give you a fully mechanised labour force... those awkward, out-of-the-way jobs, that would normally take days, can now be finished in hours. And that spells better manpower planning and smaller, more economical labour forces. Yes, portable generators save on time, labour and needless expense - what's more, they start from as little as £82.50!

DRAKE & FLETCHER PRESSURE RETAINING

MISTIFIER KNAPSACK SPRAYER

The D & F Mistifier contains its own unique pressure system. Simply fill and spray - an acre in 45 minutes. Over 90% of D & F Mistifiers are sold to professionals - because they are tough, reliable, and time saving.

Write for information.

DRAKE & FLETCHER LTD
MAIDSTONE • KENT
Tel: 55531

May 1973
Europe's widest Flail Mower

Power, economy and quality: the three mainstays of Europe's widest flail mower, the Bandit 2500. With a cutting width of 8' 3", it really gets down to rough overgrowth—on wide verges, river banks, airfields, parks, recreational areas, etc.

Rear mounted on the hydraulic, 3-point linkage of an ordinary tractor, the cutting head is fully guarded and discharges cut material downwards for safety. Mulchings quickly disintegrate leaving no after collection problems. High quality cutting, low maintenance costs and sheer work-hungry versatility, make the Bandit 2500 a real winner.

Get the Bomford Bandit too — well-established rear-mounted flail mower with the 5' 7" cutting width. Fits any make of standard tractor for safe, quick, high quality cutting.

Ride with the Bandit—to new economy!

BOMFORD & EVERSHELD LTD.
Evesham, Worcs., England WR11 5SW
Tel. Bidford-on-Avon (078-988) 3383 Telex 311081
The cost cutter

THE TORO 'GREENSMASTER 3'
Better greens and aprons in less time

58" riding gang mower with three 21" cutters. One operator can cut 18 greens of up to 7,500 sq. ft. each in less than four hours.

- Quick micrometric adjustment of cutters from 1/8" to 11/16" for greens
- Immediate raising of height by further 3/16" for tackling aprons
- Fine cutting (144 cuts per yard) with optimum grass collection in wet conditions
- Terra-turf tyres leave no marks
- 7 mph transport between greens reduces wasted travelling time
- Positive hydraulic drive to cutters and traction wheels
- 12 hp engine with electric starting.

Another high work rate cost-cutter in the TORO range of mowing machinery – with cutting widths from 21"-180".

For further details get in touch with FLYMO INSTITUTIONAL, Greycaine Road, Watford, WD2 4PT. (Telephone Watford 41301)

Sole Distributors for TORO in the U.K. and Channel Islands.
THE RANSOMES HAHN TOURNAMENT TRIPLEX GREENS MANAGEMENT SYSTEM

★ 67" Cutting width
★ Precision greens cutting reels
★ All reels up front
★ Variable speed control
★ Multiple height-of-cut presets for apron mowing
★ Front-steering manoeuvrability
★ Reliable flexible cable drive system
★ Smooth hydrostatic drive
★ Individual lifts on each mower reel
★ Automatic reel shutoff
★ Ultra-quick removal of mowers and accessory units
★ Precision heavy-duty tee mowers
★ Precision triplex Verti-Cut reels
★ Vibrating spiker reels
★ Quick-couple gravity-dump trailer

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T. PARKER & SONS (Turf Management) LTD.
WORCESTER PARK, SURREY KT4 7NF
Telephone: 01-337 7791 (10 lines)
A LOT OF OLD FRIENDS met again at the 42nd Annual Fine Turf Conference organised by the University of Massachusetts in Springfield, Mass. during the first week in March. Professor Joseph Troll was the organising genius with the active co-operation of his staff and the New England chapter of the G.C.S.A.A.

We met Leon St. Pierre, editor of the Chapter’s Newsletter, who showed us round his course at the Longmeadow Country Club. The signs of spring were already beginning to make members hope that golf would not be too far away.

Dr. Dick Skogley was also at the conference. He was in England some years back with Fisons on a sabbatical and hopes to come again soon if he can fit into a useful programme of research.

We also met Eb Steiniger who has been at Pine Valley for the last 30 years or so and still likes it as much as the first day he went there.

About 700 attended the conference and it was also a useful meeting point for superintendents and would-be recruits to maintenance teams who had just completed one of the courses arranged by the University.

* * *

I.C.I. have brought out a new slow release nitrogen fertilizer the Gold-N. It assists growth and colour by releasing nitrogen slowly and continuously over a period of between 3 and 6 months. It thus has special importance on difficult sites prone to leaching. It comes in 56lb bags and the nitrogen is essentially present as urea – an organic amide. The Chipman Chemical Company of Dorking has already started contract spreading.

* * *

Work will start shortly on the new Hilltop and Manwoods Scheme planned by the City of Birmingham in a big sporting complex. Golfers will have both an 18 and a 9 hole course.

* * *

The City of Leicester is also adding a further 18 hole Municipal Course to its present facilities. This one will probably be done by the Parks Department itself with the assistance of consultants.

* * *

Note for the Diary
Heat - A Solution to Soil Compaction

IN THE COURSE of managing turfgrass, the golf course superintendent must contend with both man and nature. The former plays a major role in creating the problem of soil compaction, for it is traffic that compacts the soil on the fairway.

Compaction is much greater on wet soil than on dry soil because the soil aggregates are weaker when they are wet. Therefore, adequate drainage is the key to keeping fairway soils from becoming heavily compacted.

Inadequate drainage is the cause of most fairway compaction problems. But even with good drainage, some clay soils with weak aggregates will become compacted. With the increasing traffic on most golf courses and the increasing demands of players to play under wet conditions, we have to think very seriously about stabilising fairways against compaction.

The worst damage from compaction of wet soils occurs in the top inch or two inches of the soil. The soil aggregates are squeezed together, eliminating the large pores through which water and air move into the soil. This decreases the infiltration rate, leaving the surface wet and leading to even more compaction. When compacted soil dries, it becomes very hard. Bare spots or weeds tolerant of these poor growing conditions appear.

It is prohibitively expensive to replace soils on the fairway with soil mixtures that resist compaction. This practice is reserved for greens, tees and other special areas. We then must look for ways of increasing the stability of the soil in place on fairways.

Since compaction occurs primarily at the soil surface, we need to think of stabilising only the uppermost layer. Materials such as lime, flyash, water repellent coatings and organic soil conditioners have been used for stabilising soils. Each of these amendments works under certain conditions; an amendment should be used only on the basis of soil tests or on the basis of experience with similar soils. Clay soil aggregates can also be stabilised by heat.

Heat Stabilisation

Heating has been used occasionally in the last 40 years to stabilise soils for road bases. The method has been used successfully in Australia and in other countries. Special equipment is required to move a flame over the soil, or to lift a layer of soil, thoroughly heat it, and redeposit it as the machine moves along. The temperature required for stabilisation depends upon the kind of soil and is usually above 500 degrees F.

Since heat stabilisation has been shown to be successful in changing certain properties of soils, it could also be useful for stabilising fairway soils against compaction. We tried soil heating on an experimental basis, both in the laboratory and in the field near Montreal.
With pleasure announce that they hold the greatest concentration of lawn mower spares and lawn mower engine spares in the country.

ENORMOUS STOCKS OF RANSOMES SPARE PARTS

Also ASPERA, B.S.A., BRIGGS & STRATTON, DENNIS, J.A.P., ROTAX, VICTA, VILLIERS.

Service Exchange items such as CUTTING CYLINDERS—MAGNETOS

OUR FLEET OF VANS IS OCCUPIED DAILY IN MAINTAINING OUR EXPRESS SPARES DELIVERY SERVICE

Telephone your immediate requirements to

We stock a comprehensive range of domestic and professional machinery. Ask for a demonstration on YOUR ground.

SAND INJECTION
BY OUR SPECIALISED MACHINES
CAN TRANSFORM
WET GREENS
AND FAIRWAYS

DEEP AERATION OF GREENS
BY SUB-AIR MACHINE
AT ANY TIME OF YEAR
NO SURFACE DAMAGE

We are unaware of any other machine which penetrates to seven inches yet keeps the greens undamaged and in play.

Very moderate charges include all transport and an experienced operator.

Cambridge Soil Services Limited
Girton Road, Cambridge
Specialists in Science Based Drainage Tel.76002

WATERMATION
GOLF COURSE WATERING SYSTEMS

‘The way to lush greens’
—without tears—

Many famous clubs such as The Royal St. Georges at Sandwich have discovered the advantages of our system why don’t you.

WATERMATION
59 Meadrow
Godalming, Surrey
Phone Godalming 7001
in 1970. The results showed that heating does stabilise clay soils against compaction. If an appropriate situation arises, heating could be tried on a golf course.

Lab Test Results
A clay loam soil, characterised by medium plasticity, low permeability and medium aggregate stability, was used in our studies. After being heated, soil samples were put into test cylinders, wetted overnight, drained to field capacity and compacted by dropping a 3-pound hammer from a 1-foot height 15 times.

The permeability of the compacted soil samples was then measured. The compaction and permeability apparatus is shown in Figure 1. This is the procedure recommended by the United States Golf Association for evaluation of soil mixtures.*

The results in Table I show that the heated soil had a good permeability after compaction. The untreated soil was impermeable after compaction. With this indication that heat could stabilise soils against compaction, we designed a field experiment to test heating.

Field Results
Plots were laid out on a clay loam soil near Montreal to compare heating with lime and hydrated lime as stabilising treatments. The lime was mixed into the surface soil at 8 and 40 pounds per 100 square feet. The top 2-inch layer of soil was heated with the special apparatus shown in Figure II. Nails 2½ inches long were welded at 1-inch spacing on a ¼-inch-thick steel plate, 2 feet by 2 feet. The plate was set onto the soil with the nails penetrating the soil to transfer the heat provided by gas burners. Soil temperature was measured with a thermocouple at a 2-inch depth. Temperatures of 400 to 500 degrees F were attained after three to four hours of heating.

The soil plots were compacted after a rain, with a heavy roller. Infiltration was then measured with an infiltrometer. After a series of infiltration measurements during two weeks, the soil was then compacted and more infiltration measurements were made.

Heated soil was consistently more permeable than untreated soil or soil to which lime had been added (Table II). Also the bulk density of the compacted, heated soil was lower than lime-treated soil, indicating greater resistance to compaction. The rate of water infiltration decreased with the second compaction, indicating that the effect of heating does not last long.

Various grass seeds were sown in samples of heated soil. Germination and growth were as good in heated soil as in the untreated soil. Therefore, heat treatment can be safely used for soils on which seed is to be sown.

Evaluation of Experiments
These experiments indicate that heating is a potentially useful method for stabilising surface soils, but the results must be considered only preliminary. Heating will be useful only for certain clay soils where swelling on wetting leads to decreased stability. These swelling clay soils can be recognised from their high plasticity. Each problem of fairway compaction has to be studied to determine the best and most economical solution. This usually requires investigation and evaluation by a trained soils man. Heating is most economically done when the soil is dry; otherwise a large amount of heat is used in dissipation of water.

A method would have to be worked out to heat soil with a moving heat source. Machines used for soil engineering projects may possibly be adapted for use on fairways. Heat could be applied to the soil in place, or a 2-inch layer of soil could be lifted, heated

It takes a pro to go round 18 greens in under 4 hours

It takes a lot of work to keep 18 greens well maintained. Or rather it used to. With the Jacobsen Greens King mower you can mow 18 greens in under 4 hours. No fuss, no bother, and no grass to pick up afterwards. Specifically designed for putting greens, this mower can cut a complete green to a velvet finish without having to stop or turn round. And with golf courses in constant use, that’s a great advantage.

But that’s not all. All the cutting reels can be raised and lowered, engaged and disengaged by a single foot pedal. It can be adapted to mow vertically. Or brush or spike the green for aeration. That’s why we call it the Greens King.

What’s your handicap?

The Greens King.

Turf problems?
Get to the bottom of it

The Mete-R-Matic from Jacobsen gets to the root of turf care problems – it’s the only spreader which actually drives the top dressing down to the base of the turf – where it really belongs. It spreads a full 3’ wide – and at up to 225 feet per minute. And it spreads evenly, whether dry or moist. You control the depth by a fingertip adjuster. So now you don’t have to rake or drag after dressing. Using the Mete-R-Matic ensures effective spreading every time. The answer to a great many turf problems.

The Sod Master Mete-R-Matic.

Write today (use the edge of this page as a coupon) to Britain’s most experienced turf care specialists for leaflets, distributors, or a demonstration any time, anywhere.

ROLFE’S MINI-TRACTORS LTD
Winchester Hill, Romsey (76), Hants Telephone: Romsey 513185

May 1973
and returned in a continuous operation. The fact that heating is used for stabilising road bases indicates that it is economically feasible.

### TABLE I

**Laboratory evaluation of permeability of heat-treated soil samples**

<table>
<thead>
<tr>
<th>Heat Treatment</th>
<th>Temperature</th>
<th>Time Heated</th>
<th>Permeability of Compacted Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>not heated</td>
<td></td>
<td></td>
<td>0 in/hr.</td>
</tr>
<tr>
<td>400 degrees F</td>
<td>400 degrees F</td>
<td>$\frac{1}{2}$ hr.</td>
<td>0.1 in/hr.</td>
</tr>
<tr>
<td>400 degrees F</td>
<td></td>
<td>2 hrs.</td>
<td>2.8 in/hr.</td>
</tr>
<tr>
<td>400 degrees F</td>
<td></td>
<td>12 hrs.</td>
<td>1.1 in/hr.</td>
</tr>
</tbody>
</table>

### TABLE II

**Infiltration of water into soil plots**

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Inches of Water Infiltrated in 15 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>No treatment</td>
<td>After 1st Compaction: 1.25 in/hr.</td>
</tr>
<tr>
<td>Heated</td>
<td>After 1st Compaction: 5.00 in/hr.</td>
</tr>
<tr>
<td>Lime</td>
<td>After 2nd Compaction: 1.50 in/hr.</td>
</tr>
<tr>
<td>Hydrated Lime</td>
<td>After 2nd Compaction: 1.50 in/hr.</td>
</tr>
</tbody>
</table>

With grateful acknowledgements to "Golf Superintendent".

---

**Notice of Meeting**

NOTICE is hereby given that an EXTRAORDINARY GENERAL MEETING will be held at:

The English Speaking Union,
37 Charles Street
Berkeley Square
London W1

on Saturday 19th May 1973 at 12 noon

**BUSINESS** — To consider and vote on a proposition of the Executive Committee that Membership Subscriptions should be increased as from 1st May 1973 to:

- **Class A Membership**: £4.00
- **Class B Membership**: £3.00
- **Class C Membership**: £2.00
- **Class D Membership**: £4.00
- **Class E Membership**: £5.00

Entrance Fee — 50% of Subscription

All additional income to be allocated to Head Office Funds.

That all New Members should pay full subscription whatever time of year they join.

This would mean deleting second part of Section B, Rule 7.

As it is often two or three months before they receive their first Journal, subscriptions of New Members joining in last quarter of year to count for following year. This should be left to the discretion of Section Secretaries.

**Wage Scale Recommendation**

At the Executive Meeting held on the 17th March, 1973, the Committee recommended an increase on their 1972 figures, and suggest they should now read:

- **Head Greenkeeper**: £2000 per annum (plus accommodation) (4 weeks holiday)
- **First Assistant**: £1500 per annum (plus 3 weeks holiday)
- **Assistants**: £1300 per annum (plus 3 weeks holiday)
- **40 hour Week**
- **Plus statutory holidays**
THE LATEST IN TURF MAINTENANCE MACHINERY

Two Vertirake Models for thatch removal on fine turf and out fields

From

Pattisson

H. Pattisson & Co. Ltd., Stanmore Hill Works, Stanmore, Middx. 01-954 4171

May 1973
U.K. DEBUT FOR NEW TORO TROJAN Mk 3

INTERNATIONAL attention is focussed on the latest triple-rotary riding machine for continuous heavy duty grasscutting at the Institute of Park and Recreation Administration exhibition. Known as the Toro Mk 3, it has been introduced by The Institutional Division of Flymo Limited and will make its exhibition debut at Victoria Park, Hackney on 24th/25th May.

The Trojan Mk 3 has a 60 in. cut and replaces the Trojan 50 in. Mk 2 model which has established a favourable reputation with local authorities and other large institutional users since it was introduced to the U.K. in 1970. The Trojans are particularly useful in situations with rugged grasscutting requirements.

The new model incorporates a number of additional advantages with three, 21 in. heat-treated rotary blades providing a 60 in. cut under the heavy duty 10 gauge steel cutter housing. With a more powerful, 14 hp Kohler engine, the Mk 3 has a capacity of 15 acres per day at 3.5 mph compared with 12 acres for the 50 in. version. Four-speed gear transmission is from 6 mph to 2 mph. Recoil start is standard.

A detachable sulky provides compact storage as well as enabling pedestrian operation of the machine in restricted or difficult areas, if required.

The Toro Trojan Mk 3 will cost £948.

Other equipment on the Flymo stand at the I.P.R.A. exhibition will be diesel and petrol-engined Parkmasters for cutting up to 60 acres a day; the Toro Super Professional ride-on gang mower with capacity of up to 46 acres per day for the 11 ft. version; five and seven-blade Spartan gang units, and the versatile Toro 70in. Professional for large, formal areas. The 28 in. Roughmaster, from Morrison in New Zealand, will also be seen for the first time in a new, distinctive red livery.

FLYMO INTRODUCE POWER RAKE HIRE SCHEME

PROBLEMS ASSOCIATED with the accumulation of thatch – cut roots, stems and grass clippings which have not been decomposed – have been overcome with the introduction of a scheme for hire of a power rake.

The rake, known as the Andi-Scari Power Rake and marketed exclusively in the U.K. by the Consumer Division of Flymo Limited, Watford, removes thatch and allows the growth of fine new lawn grasses by preventing the breeding of insects and fungus in the thatch which destroy existing grass.

Depth of penetration can be varied to suit prevailing conditions by simple adjustment on the front wheel assembly. The unit is compact and can be easily lifted into the boot of the average saloon car for transportation.

The hire scheme is limited initially to the southern part of England. Daily rate of hire is between £3.00 and £4.50 and the rake will be available through Flymo Authorised Distributors and Dealers.

The rake, manufactured by Andrews of Hindhead (Developments) Limited, Surrey, has a width of 14 in., a rotor of 17 spring-tensioned swinging steel blades and is powered by an Aspera four-stroke petrol engine with pull-up recoil starter.

Flymo have produced an excellent booklet on the place of the man and machine in modern golf course management. It is very well illustrated and will interest casual readers as well as the expert. Copies can be obtained free of charge from Flymo Ltd., Watford, Herts.
R. C. CRAIG AND CO. LTD.

SPECIALISTS IN THE REPAIR AND MAINTENANCE OF ALL TYPES OF MOWERS

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WEBBS LAWN MOWERS

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Brentwood, Essex.
Telephone: Brentwood 216107

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SITUATIONS VACANT

Worsley Urban District Council Parks Department

Appointment of Head Greenkeeper

Miscellaneous Grade 6–7
(£1428–£1677)

Applications are invited from qualified Greenkeepers for the above post. Candidates must have received a sound training in the maintenance of a golf course and preference will be given to persons working in a similar capacity at the present time.

The Council is constructing a 63 acre 9 hole course at Worsley which is due for completion by Autumn 1973.

The successful applicant will control a groundstaff of 2/3 men and will be responsible directly to the Parks Superintendent.

Housing accommodation will be available.

The appointment will be from the 1st August 1973.

Forms of application may be obtained from the undersigned to whom they should be returned by not later than Monday, 28th May 1973.

ROBERT E. HUBAND
Clerk of the Council

Town Hall, Worsley, Manchester, M28 4GD

REDDITCH URBAN DISTRICT COUNCIL

Parks and Recreation Department

Applications are invited for the position of Head Greenkeeper at the Pitcheroak Municipal Golf Course, Plymouth Road, Redditch

The appointment is subject to the N.J.C. terms and conditions of service. Average weekly wage including overtime and bonus – £29.

Housing accommodation will be considered in appropriate cases.

Applications to:
W. R. Pilcher, Parks and Recreation Superintendent, P.O. Box 15, Council House, Redditch, Worcs.

HEAD GREENKEEPER required for NEW GOLF COURSE in RENFREWSHIRE

The Head Greenkeeper would be appointed well in advance of the opening and will be responsible for taking over the maintenance of each part of the Golf Course as it is completed.

Salary and accommodation by negotiation.

Apply in writing giving details of qualifications and experience to: The General Manager, Gleddoch House, Langbank, Renfrewshire

SCRAPTOFT GOLF CLUB LEICESTERSHIRE

Head Greenkeeper required

Good Salary

Accommodation a possibility

Reply to the Secretary

THETFORD GOLF CLUB require a First Assistant Greenkeeper with view to taking charge. Must be fully conversant with Course Maintenance.

Preferably from London area.

Interview expenses paid.

Apply in writing to:
The Secretary, Thetford Golf Club, Brandon Road, Thetford IP24 3ND

Classified Adverts — continued page 24.
### News from the Sections

**Special occasions**

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<th>Event</th>
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<td>May</td>
<td>Midland Section Spring Tournament</td>
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<tr>
<td></td>
<td>East Midland Spring Tournament</td>
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<tr>
<td></td>
<td>Southern Section Spring Tournament</td>
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<td>June</td>
<td>Southern Section A.G.M.</td>
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<td>Sheffield Section Outing</td>
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<td>East Midland Section President’s Match</td>
</tr>
<tr>
<td></td>
<td>Midland Section President’s Match</td>
</tr>
<tr>
<td>July</td>
<td>Sheffield Section Annual Tournament</td>
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<td>Sept.</td>
<td>Southern Section Autumn Tournament</td>
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<td></td>
<td>Southern Section Trip to Bingley</td>
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<tr>
<td>Oct.</td>
<td>East Midland Section Autumn Tournament</td>
</tr>
<tr>
<td></td>
<td>Southern Section Secretary’s Match</td>
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</table>

**Sheffield Section**

*By H. Gillespie*

**Chairman:**
G. HERRINGTON (Lindrick)

**Hon. Secretary/Treasurer:**
63 Langsett Avenue,
Sheffield S6 4AA

**Lecture**
Without doubt the best attendance we have had for a very long time turned out to welcome Mr. F. W. Hawtree to Abbeydale Golf Club on 1st March.

Mr. Hawtree took for his subject 'Golf Course Architecture' and some very interesting points were put forward and the question time raised the usual well thought-out problems and Mr. Hawtree dealt with these in his stride.

We were also pleased to see Mr. Dix, who had accompanied Mr. Hawtree, and hope he enjoyed his visit to Sheffield.

**Outing**
The outing to Cannock Fertilisers Ltd. is on Tuesday 12th June 1973, the coach will leave Harmer Lane (Pond Street Bus Station) at 9.30 am arriving at Cannock at approx. 11.45 am. Following lunch, the party will be split into small groups and tour the works; after light refreshment the coach will leave for the return journey to arrive in Sheffield at approx. 6.00 pm.

**New Member**
We welcome to the section H. Smith of APCM Bradwell and hope his association will be a happy one.

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**NEW**

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The following members have transferred clubs:
J. Waddoups has moved from Holme Hall, Scunthorpe, to The Wilderness Club, Kent.
K. B. Heaney has moved from Wath G.C. to Wortley G.C.
C. Hawke has joined the staff at Stocksbridge G.C.

NORTHERN
Chairman: J. SCOTT
Wetherby Golf Club

By Walter Heeles
Hon. Sec.
7 Tentergate Close,
Knaresborough, Yorks
HG5 9BJ

February Lecture
An interesting slide show was given by one of our own Members, Mr. D. G. Hanman, at the Horsforth Golf Club on Thursday, 22nd February. This was extremely enjoyable and we look forward to seeing more of David's slides.

NORTH EAST
Chairman: MR. J. SIMPSON

By G. Jeffries
Hon. Secretary:
55 Brackenfield Road,
Framwell Gate Moor
Durham

In Memoriam
It is with deep regret that I inform members of the death of Tom Auld who was once Head Greenkeeper of Ravensworth Golf Club before his retirement some years ago. Tom was also Chairman of this section for a number of years before our present Chairman, Mr. J. Simpson.

On behalf of all members in the section, I would like to extend our deepest sympathy to Mrs. Auld and relatives in their great loss.

Appointments
C. W. Maston, one of our members, formerly Head Greenkeeper of Billingham Synthia Recreation Club, has taken over as Head Greenkeeper Supervisor, at Lullingstone Park, Swanley. We wish him every success in his new appointment.

SOUTHERN
Chairman: C. A. MOORE
(Stanmore)

By F. W. Ford
Hon. Secretary:
68 Salcombe Gardens,
Mill Hill, N.W.7.
Tel: 01-959 2847

March Lecture
Despite the rail strike, a capacity crowd was present at The George where the subject of Pop-Up Sprinkler Watering Systems was thoroughly discussed and enjoyed by all. Mr. G. Wilkins of Pipercraft Ltd. and Mr. J. Hine of Wright Rain, bringing with them some of their turf irrigation equipment and leaflets, had the answers to all our questions at question time.

Again, it was the usual argument for and against automatic watering but it was evident as the evening progressed that there are a lot of systems being installed on golf course greens, approaches and tees and, according to the speaker, enquiries on fairway irrigation have been received. I think the day is in sight when even Jock Glass will be switching on.

Mr. Wilkins drew out the winning ticket in the benevolent fund draw; the lucky man was W. Machin (Cheers) and the proceeds totalled £4-65.

Twenty minutes of projector slides of the 44th Turf Grass Conference and Show, laid on by Bert Jennings, concluded the evening for a few of us, who were mostly 'Boston Trippers and very nice' it was too! Well done Bert and may I take this opportunity to thank you for all you did on that Boston Trip.

Release your capital for other uses.
RANSOMES LEASING NEW
New Members
Welcome to the following new members and it is hoped that they will be able to attend our future lectures and golf meetings. H. Tempest (Class E), H. C. Reeve (Bramley), N. Woolvet (Malden), A. K. Palmer (Reigate Heath), J. P. Morgan (Barnhurst), F. Weaver, F. Highams and D. T. Cutler, Effingham, R. C. Glanfield and G. M. Samme of the Darenth Valley Golf Club.

A.G.M.
The A.G.M. will take place on Wednesday, 6th June, at the Hendon Golf Club and will, as last year, be proceeded by an 18 Hole Medal in the afternoon, The President’s Cup is to be played for.
Approximate programme – 12 to 2 pm tee off; 4.30 – 6 pm high tea; 6.30 pm A.G.M.; 7.15 pm Prize presentation. Closing Date 21st May and the same rules apply as for the Spring Tournament.

NORTH-WEST

Chairman: H. M. Walsh
Hon. Secretary: H. M. Walsh
Horrobin Cottage, OldLinks Golf Club, Montserrat, Bolton, Lanes.

Lectures
The last of this winter’s series of lectures was given by Mr. Young of Chipman’s Chemicals to whom we extend our thanks for the very good talk he gave our members on the new fertiliser Gold-N. I would like to take this opportunity to say thank you to all members for the very good support they have given all the speakers during this winter series of talks. Thank you gentlemen for making them a success.

New Members
We welcome to the section the following new members and hope their association with the section will be a happy one:
M. McArdle, Darwin Golf Club.
S. Couch, Hesketh Golf Club.

MIDLAND

Chairman: G. Hart
(Gay Hill)

By R. Goodwin
Hon. Secretary: 4 Burton Old Road, Streethay, Lichfield, Staffs.

President’s Match at Handsworth
The Annual Match against the President’s team will take place at the Handsworth Golf Club on Thursday, 14th June.

I would be very pleased if greenkeepers would come early, say 3.30 pm, so that the match pairings can be arranged. I look forward to a very good evening and trust there will be a good number of greenkeepers turning out for this very fine fixture.

Lecture at Sutton Coldfield
There was a very good turn out of 50 for the February Lecture at Sutton Coldfield Golf Club on Wednesday afternoon, 21st February. Mr. R. L. Lewis, of Fison’s Levington Research Station, gave a first class talk, and we are most grateful to Mr. Lewis for coming all the way to the Midlands, and to Malcolm Gee for his help in arranging the lecture. I would also like to thank the Captain and Members of the Sutton Coldfield Golf Club for allowing the greenkeepers the courtesy of the clubhouse and, in particular, Mr. Timson, Chairman of the Green, for making the arrangements.

Day Trip to Fords Tractors
Twenty eight members went on the day trip to Fords at Basildon on Tuesday, 6th March. A most interesting tour of the factory revealed

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the manufacture of tractors of all sizes from the first nut to the finished article. We are indebted to the management of Fords for this interesting excursion and our thanks to Mr. May, Sales representative to Reginald Tyldesley, Ford Agents, who arranged the trip.

New Members
We welcome to the section the following new members and look forward to seeing them at our future events:

D. Poots, Head Greenkeeper at Maxstoke Park
R. Jackson, First Assistant at Droitwich Golf and Country Club.
S. Spence, Assistant at North Warwickshire Golf Club.
W. L. Pithie, Apprentice Greenkeeper at Rugby Golf Club.
T. Demosani and R. Morton Assistants at Coventry Golf Club, Finham.

EAST MIDLAND

By S. Fretter
Chairman:
G. DARBY
Hon. Secretary:
4 Queens Drive,
Leicester Forest East,
Leicester

Autumn Golf Tournament
The Autumn Golf Tournament will be held at Kirby Muxloe Golf Club on Wednesday, 3rd October 1973. Further details to follow.

Quiz
A quiz was held at the Three Nuns Hotel, Loughborough, on Monday, 5th March. There was a very good attendance, with four teams taking part. Quiz Master was our President, Mr. R. Bailey. The result was a tie between two teams captained by Mr. W. Cole and Mr. G. Darby. A few greenkeepers wives were there and helped the greenkeepers out with quite a few answers.

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