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HON. EDITOR: F. W. HAWTREE



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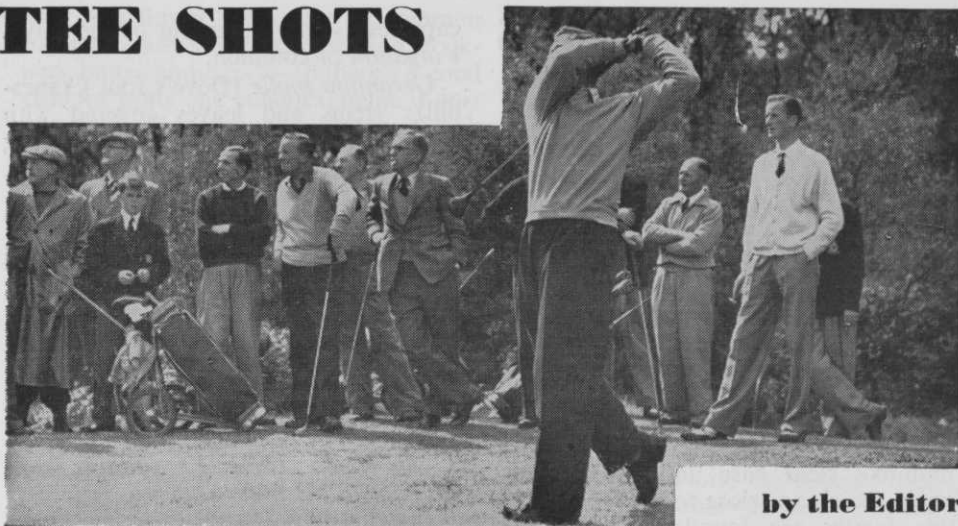
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TEE SHOTS



by the Editor

THE ASSOCIATION MEETS IN WALES

Sixty-eight greenkeepers, many with their families, travelled to Wales for the Annual Tournament and Annual General Meeting on 11th, 12th and 13th August at Pyle & Kenfig Golf Club. Nearby Porthcawl was still adorned with heraldic devices on shops and lamp-standards left over from the Prince of Wales' Investiture and we were all glad to invest Welshman Fry as our Chairman for the coming year.

Those who remember the last visit to the golf course had not forgotten the weather on the second day and this year's event followed a similar pattern reducing Tuesday's 36-hole event to 18 holes only.

Fortunately recent improvements to the clubhouse had included enlargement of the bar so the sudden crush was well contained. The course too had made big strides since we were last there. Cattle fences are no more and the links type layout was at its best.

Pyle & Kenfig Captain, Mr Evans, presented the prizes on the last day and the club made a handsome addition to the prize list kindly donated by individuals and firms listed elsewhere in this issue.

Next year's tournament will be in Yorkshire when the Northern Section will be hosts. Scarborough is likely to be the nearest resort. If you missed this year's assembly make a date for August 1970.

* * * *

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BOTANICAL NAMES

Part II

by R. HAWTHORN

THAT all botanical names have a meaning is often overlooked and an appreciation of this fact is a great help to understand them.

Here are some more examples of botanical and common names of plants, with brief details of what they mean.

Ranunculus bulbosus (Bulbous Buttercup): distinguished by its swollen bulb-like stem base and its leaf segment, which are close together. Most of this family are found in marshy or damp places, a likely habitat of frogs, hence *ranunculus*, from *rana*, a frog, and *bulbosus*, bulbous.

Ranunculus repens (Creeping Buttercup): a common species with large leaves which spreads quickly by leafy runners; *repens* means "creeping".

Ranunculus acris (Common Crow-foot): the tallest of the buttercups, growing to 3 ft. high. The flower stalks carry more blooms than most other types. *Acris*, sharp or bitter, indicating that the plant has an unpleasant taste.

Ranunculus ficaria (Celandine): glossy green leaves mainly heart shaped and wavy at the edges. *Ficaria*, fig-like, refers to the leaves, but Celandine may have been taken from the Greek word **chelidon** or swallow, because it was said that the greater celandine flowered when the swallows returned, and withered when they departed.

Sagina procumbens (Pearlwort): the creeping, carpeting plant found on paths and very often in close lawn turf. *Sagina*, the old name for Spurrey, originally regarded as a species of this genus, defines a fattening food. *Procumbens*, trailing or creeping, refers to the mode of growth.

Cerastium vulgatum (Mouse-ear Chickweed), with lance-like leaves akin to a mouse's ear in shape and texture, and covered with hairs, the probable derivation of its common name. *Cerastium*, from the Greek **keros** (horn), which describes the shape of the seed

capsules as they come out of the calyx. *Vulgatum* or common.

Geranium molle (Dove's foot Cranesbill): stems and leaves covered with soft white hairs, flower colours varying from red- to white-purple. *Geranium*, from the Greek word **geranos**, a crane; the fruit does resemble the head and beak of that bird, so we also get the English name Cranesbill. *Molle*, soft, possibly a reference to the softness of the foliage.

Erodium cicutarium (Common Storks-bill): The same family (natural order) as the Cranesbills, and the fruit again resembles the head and beak of a bird of the heron family. *Erodium* is from the Greek **erodius**, a heron, referring to the elongated shape of the fruit. Leaf shape has some resemblance to hemlock, or **cicuta**, the root word of *cicutarium*.

Trifolium repens (White Clover): the creeping and rooting stems of this plant are well known, as are the white flowers and the three leaflets with the pale band across them. *Trifolium*, three-leaved.

Trifolium dubium (Suckling Clover or Yellow Trefoil): this may well be the Irish Shamrock, with a darker yellow flower. Common on roadsides and sportsgrounds. *Dubium*, doubtful, but of what I do not know. Doubtful, perhaps, whether it is an Irish shamrock, a clover or a Trefoil!

Medicago lupulina (Black Medick): each leaflet ends in a tiny point to distinguish it from the trefoils. Often found sown with grasses in agriculture, being a good fodder crop. *Medicago*, sometimes explained as derived from the Greek **medike** because the Medes introduced the genus into Greece, or from *media*, the country from which alfalfa was supposed to have come. *Lupulina*, rope-like, probably referring to hope clover.

Ornithopus perpusillus (Common Birdsfoot): so named because its groups of beaked pods look like a bird's claw. *Ornithopus* from the Greek **Ornithos**, a bird, and **Pous**, foot, and *perpusillus*, very small, relating to the size of the flowers.

Lotus corniculatus (Birdsfoot Trefoil):

gay little flower with over 70 common names — lady's fingers, shoes and stockings, butter-and-eggs — so there's a good case for using one botanical name. *Lotus* was the old name adopted by Greek naturalists for a trefoil-like plant, and *corniculatus*, "horned" refers to the shape of the seed pods, often spread out like birds' toes.

Potentilla reptans (Cinquefoil): Cinquefoil, five-leaved; the botanical name *Potentilla* comes from **potens** or powerful, some species having active medicine properties. *Reptans* — creeping, a description of its stems.

Potentilla anserina (Silverweed): as before, *Potentilla* denotes the plant's use in medicine, for the treatment of ulcers and sores. Travellers also put it in their socks to make their feet more comfortable. *Anserina* comes from the Latin, **anser**, a goose, and the name may be a reminder that this grows freely on the closely grazed grass where geese have been.

Alchemilla arvenis (Parsley Piert): sometimes called Lady's Mantle. The common name refers to the shape of the leaves, which resembles a lady's cloak. *Alchemilla* is from Arabic, denoting that the plant was used in North Africa in alchemy or medicine, *arvenis* means that it is found in cultivated fields.

Galium saxatile (Heath Bedstraw): in the old days people often slept on a mattress of dried bedstraw and other plants, covered with a sheet; but the botanical name *Galium* comes from **gala**, milk, the leaves of the plant formerly being used to curdle milk. *Saxatile* means that it is found in stony places.

Taraxacum officinale (Dandelion): the name Dandelion comes from the Latin **denslionis**, meaning lion's tooth, probably relating to the shape of the leaves. *Taraxacum* is the Old Arabic name, and *officinale* comes from **officina** or chemist shop.

Crepis capillaris (Smooth Hawk-beard): of the dandelion family, with a lot of flowers massed together. *Crepis*, from the Greek **krepis**, a sandal, probably describing the shape of the leaves, and *capillaris*, hair-like, but how this description applies is hard to say.


Hypochaeris radicata (Cat's Ear): the common name refers to the bracts on the stem said to resemble cat's ears. *Hypochaeris* from the Greek **hypo**, under, and **chioros**, a pig. Pigs are supposed to eat this plant and because it has a thick, woody tap root, the word *radicata*, rooted, is brought in.

Leontodon hispidus (Common Hawkbit): *Hispidus* describes the flower head stalks; **hispid**, or covered with hairs.

Leontodon autumnalis (Autumn Hawkbit): *Autumnalis*, of the autumn, for the plant flowers from July to October.

Hieracium pilosella (Mouse-ear Hawkweed): Pliny, the Roman naturalist, believed that hawks ate this to strengthen their eyesight, so he gave it the name. *Hieracium* from **hieraz**, a hawk, *pilosella* from **pilosus**, hairy — alluding to the leaf hairs.

Senecio jacobea (Ragwort): with a lot of common names, among them Staggerwort, St James wort, Stinking Willie and Stinking Weed. Ragwort is derived from the ragged appearance of



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the leaves, *Senecio* from **senex**, old man (the hoary crown on the fruit), and *jacobea* from St James.

Bellis perennis (Daisy): the flower heads open early in the morning and close at night, hence the name daisy-eye or Daisy. That's a pretty name, but the botanical name is even prettier. *Bellis* from the Latin **bellus** pretty, and *perennis*, always — that is, "always pretty".

Centaurea nigra (Lesser Knapweed): the name refers to healing. *Centaurea*, after the **centaur** — a mythical beast, half man and half horse, for the legendary Chiron had used this plant to heal his wounds. *Nigra*, "black", refers to the plant's involucreal fringe.

Achillea millefolium (Yarrow): Yarrow was once used to stop bleeding, to cure colds, and as a tonic. The Greek Achilles was supposed to have used this plant to heal his wounds, hence *Achillea*, and *millefolium*, a thousand leaves.

Anthemis nobilis (Chamomile): as well as being used for herb lawns, chamomile was cultivated in earlier days to make chamomile tea, drunk to aid digestion. *Anthemis*, the old Greek name for Chamomile, derived from the name for a flower, **antheon**. *Nobilis*, noble or large, refers to the flowers.

Glaux maritima (Sea Milkwort): as both its common and botanical names imply, it is a plant found near the sea, or in sea-washed turf. *Maritima*, of the sea, and *Glaux*, seagreen, describing the colour of the leaves.

Veronica arvensis (Wall Speedwell): the origin of this one is very doubtful, some think *Veronica* is a corruption of *Betonica*, the foliage of the plants being similar; **betonica** seems to be derived from a Celtic word meaning "good head" (maybe it cures hangovers!). *Arvensis*, again, a plant of cultivated fields.

Veronica serpyllifolia (Thyme-leaved Speedwell): *Veronica*, as above; *serpyllifolia*, thyme-leaved, alludes to the shape of the leaves.

Prunella vulgaris (Self-heal): a plant once thought to have medicinal properties, curing people without the help of a doctor. *Prunella* from the German **braume**, quinsey, which the plant was

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supposed to cure; *vulgaris*, fairly common.

Plantago major (Broadleaved Plantain): the leaves are cooked as a green vegetable by some people. *Plantago*, from **planta**, sole of the foot; the leaves lie flat, like the sole.

Plantago media (Hoary Plantain): the common name gives the better description, for the leaves are downy; *Media* describes the size of the leaves — medium, or intermediate.

Plantago lanceolata (Ribwort): both botanical and common names are descriptive; *lanceolata*, "lance-shaped".

Plantago coronopus (Starweed; Buck's horn, Plantain): these names describe the plant well, and it is sometimes also called Star of the Earth. *Coronopus* from the Greek **korone**, a crow, and *pous*, foot, referring to the much-divided leaves.

Plantago maritima (Sea Plantain): both names speak for themselves, for the plant is found near the sea.

Armeria maritima (Thrift; Sea Pink): found on cliffs, on inland mountains, and in sandy places. Was it named Thrift because of the care it takes of any available food from the soil?

Armerixa, the old Latin name; *mari-tima* as before.

Polygonum aviculare (Knotgrass): *Polygonum* from the Greek **poly**, many, and **gonu** a small joint, referring to the many joints in the formations of the stem. *Aviculare* seems vague, for it indicates birds. Do birds particularly like knotgrass?

Rumex acetosa (Sheep's Sorrel): *Rumex*, the old Latin name for a kind of sorrel, from **rumo**, to suck (was it a habit of the Romans to suck sorrel leaves to relieve their thirst?). The leaves are acid, probably the reason for the second part of the name, *acetosa*, acid. The English name was probably suggested by the fact that these plants are found a lot in fields where sheep are pastured.

Rumex acetosella (Common Sorrel): the same as *Rumex acetosa*, meaning acid. Possibly some people might assume that these plants are regarded as acid in connection with the type of soil in which they are found, but the name would more likely indicate the taste of the leaves.

Luzula campestris (Field Woodrush): this has a lot of common names, among them Good Friday Grass. *Luzula* from the Italian **lucciola**, meaning Glow-worm. The plant has leaves fringed with white hairs, and when these are covered with dew they sparkle in the moonlight to make the botanist think of glow-worms. *Campestris*, found in plains or fields.

That more or less covers the weed and plants that will be common — at least in name — on grounds. Here now are some grasses familiar to grounds-men.

Lolium perenne (Perennial Rye-grass): cultivated in Britain for about 300 years, the old English name being Ray Grass; this was changed over the years to rye grass, and so now to rye grass. *Lolium*, the old Latin name for Darnel, and "Perennial", of course, needs no explanation.

Poa annua (Annual meadow grass): a very familiar grass and often regarded as a weed of fine turf, but some grounds would be bare if it disappeared; *Poa* is

Continued on Page 18



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ANNUAL REPORT — 1969

Administration

It is with a great deal of pleasure that we again congratulate our chairman Mr G. Herrington on a most successful year of office. He was our chairman in 1959 and we all look forward to the time when we can call on him to perform the hat trick.

We look forward to the coming year under the chairmanship of Mr H. A. D. Fry, our present vice-chairman, who so kindly took office after the regretted death of Mr D. Lord. We trust he will have a very happy and successful year.

The Annual Draw was again very well supported by our members, the final result showing an increase on last year, and our thanks are due to all those who made this result possible.

We were again kindly allotted 12 passes for the Open Championship at Lytham by the R. & A., and our sincere thanks are expressed for that privilege. All these passes were quickly taken up, and it is regretted that some members were too late in their application.

The Association were again represented at the Artisan Tournament at Walton Heath, this year by Mr H. Emery in the Senior Division and Mr A. Boraston in the Junior. Although they were not in the prize list, we understand they thoroughly enjoyed the occasion.

As requested last year a copy of the latest recommendations of the Wage Scale Survey had been sent to chairmen of Green Committees of all clubs at which our members were employed, and it is hoped that beneficial results will be derived therefrom.

The Apprenticeship Scheme is still progressing, and the latest figures available are most encouraging. One hundred and eighty-six deeds issued, 132 registered and over 75 completed.

Membership

Once again our membership figures show an increase, and according to Section returns have now reached 810, an increase of 11.

Annual Tournament

The 51st Annual Tournament was held at the Seacroft Golf Club, Skegness, on 12th-14th August 1969 with an entry of close on 70. This proved a very satisfactory and enjoyable occasion. Everything possible was done by the committee, members and staff for our visit, and our sincere thanks are due to everybody concerned for their efforts. We would also again like to emphasise our appreciation for the generous support extended by firms and individuals for this event, both by donations to the Prize Fund and assistance given during the Tournament.

Sections

Through the endeavours of secretaries and committees Sections have again been most

active with visits, lectures and tournaments, all of which must be appreciated by members.

British Golf Greenkeeper

Our Journal, such an important feature of our Association, has again proved its value in so many ways, and we must again thank our Editor and his staff for their continued efforts.

Benevolent Fund

We are happy to report that the callings on the Benevolent Fund have been less than last year, payments only amounting to £45.

F. G. Hawtree Memorial Fund

Only one member has attended Bingley in the year under review, but two requests have been made for the coming autumn. Again our thanks are due to clubs who assist with the expenses of these courses.

Sports Turf Research Institute

We would once again express our thanks to the S.T.R.I. for all the advice and assistance given to our members when their problems arise.

In Memoriam

We record with sorrow the death of the following members announced in the *British Golf Greenkeeper* since our last report:—

Mr D. Lord, Welsh Section, vice-chairman; Mr T. Iveson, Northern Section, vice-president; Mr R. B. Dawson, O.B.E., Northern Section, vice-president.

We are indebted to the following who have kindly contributed to our Prize Fund:—

C. Bretherton, Esq.; Gordon Wright, Esq.; I. G. Nicholls, Esq.; The "News of the World"; The Sports Turf Research Institute; The Professional Golfers' Association; The Artisan Golfers' Association; The Golf Ball Manufacturers' Conference; The British Motor Corporation Ltd.; "Golf Illustrated"; Messrs Berk Ltd.; The Cannock Agricultural Co. Ltd.; Messrs Carter's Tested Seeds Ltd.; Messrs R. C. Craig & Co. Ltd.; Messrs Flymo Ltd.; Messrs J. T. Goudie & Co.; Messrs Hercules Powder Co. Ltd.; Messrs Maxwell M Hart Ltd.; Messrs Mays Chemical Manure Co. Ltd.; Messrs May & Baker Ltd.; Messrs T. Parker & Sons; Messrs H. Pattison & Co. Ltd.; Messrs Ransomes, Sims & Jeffries Ltd.; Messrs Relf & Kendall; Messrs Stewart & Co. Seedsmen Ltd.; Messrs Sutton & Sons Ltd.; Messrs Allan Taylor (Engineers) Ltd.; Messrs Top Form Turf Fertilisers Ltd.; Messrs Universal Mat Co. Ltd.; The Welsh Section B.G.G.A.; Messrs Pressure Jet Markers Ltd.; The Captain, Pyle and Kenfig Golf Club; Charles H. Pugh (Atco) Ltd.

MIDGET GOLF?

FARNBOROUGH, Hampshire, District Council has a problem. They want to turn a large piece of waste ground into a golf course.

It is useless for housing due to its soggy state but with a bit of infilling here and there it would be very suitable for up to nine holes.

But the Government thinks otherwise. When the plan was put up for consideration it had to pass through the hands of the Ministry of Technology works department—because nothing can be built near the Royal Aircraft Establishment without the approval of the Ministry of Technology due to height restrictions.

By all means build a golf course on the site, said the sages of the Ministry—but the bunkers must not be more than three feet high!

The Council gathered to consider this solemn edict. If they had to put at least two feet of earth on the site to get rid of the sogginess, then the lips of the bunkers would have to be under one foot in height. Fair enough!

But the townspeople are more worried. If the height restrictions are down to three feet then they will have to play the game on all fours to avoid being clobbered by a passing plane. The fact that no plane has ever passed over the area at less than 2000 feet does not enter into the question. What the Ministry of Technology says, goes.

The wags are now busy with solutions. Why not dig large trenches from tee to green so that players can leap in when a plane approaches, ask some.

Perhaps the best answer has come from a youth club. Give up the whole area to pea pushing. All fours are essential if one is to get the nose to the pea!

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To the Hon. Secretary.

Winter Lectures 1969/70

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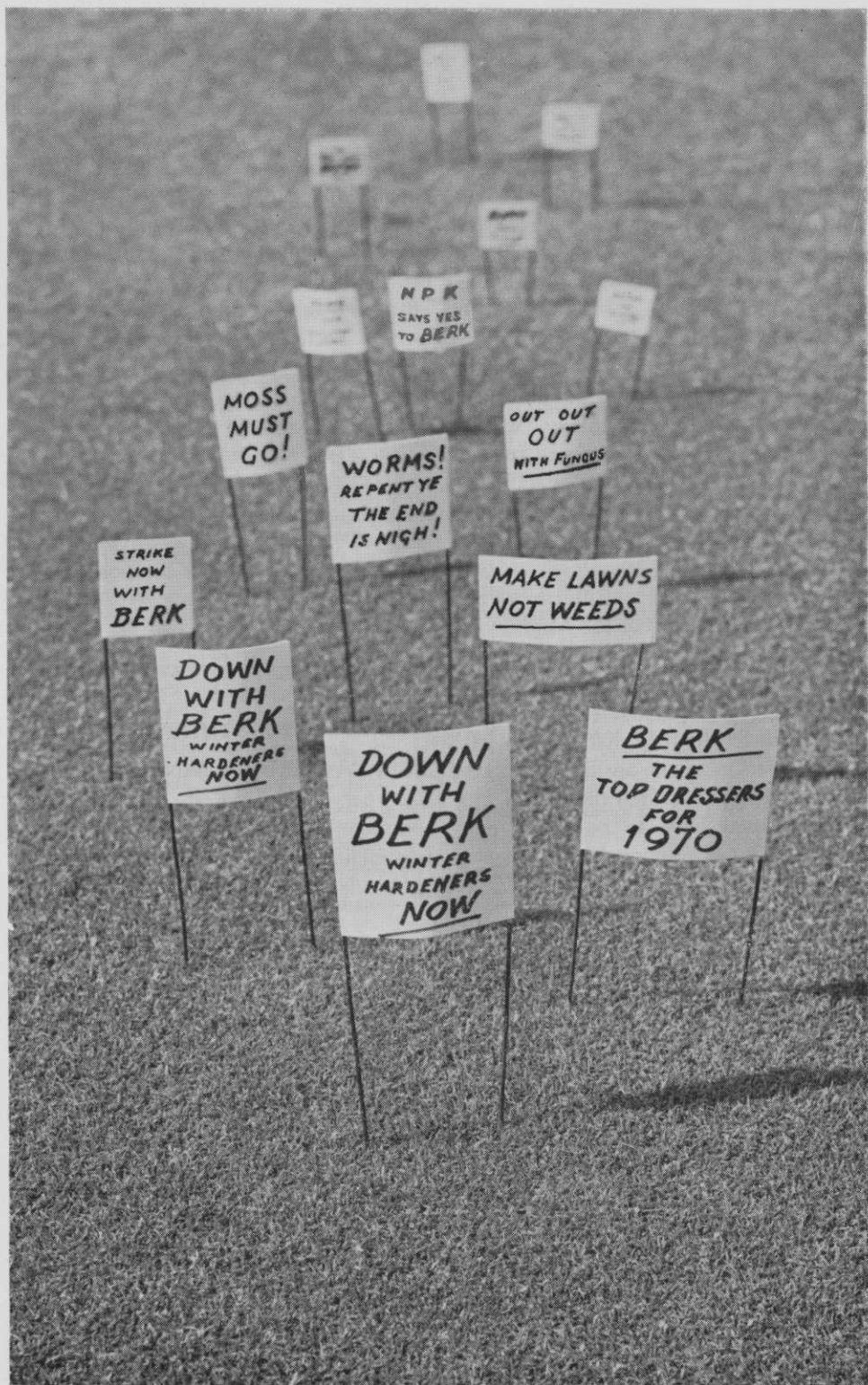
Last winter we had the pleasure of visiting half the various Branches and we hope we may look forward to visiting as many of the others as possible this year. We believe we can offer a new and interesting evening to your members.

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- 1st Prize (S.T.R.I. Cup and linen), T. H. Finch, 44 points;
- 2nd Prize (Hargreaves Cup and case of cutlery), D. Roberts, 43 points;
- 3rd Prize (coffee set and heater), S. Kilby, 41 points;
- 4th Prize (fish knives and forks), R. Whitehead, 40 points;
- 5th Prize ($\frac{1}{2}$ doz. golf balls), E. J. Thompson, 38 points;
- 6th Prize ($\frac{1}{2}$ doz. golf balls), E. R. West, 37 points.

News of the World Cup. 36 holes Scratch:

- 1st Prize (cut glass—18 pieces), W. G. Marnoch, 159.

The Artisan Medal. 18 holes Medal:

- ($\frac{1}{2}$ doz. golf balls) W. Machin, 72.

Jubilee Cup Inter-Section. 36 holes Medal:

- (3 tankards and $3\frac{1}{2}$ doz. golf balls) Sheffield Section.

"Coming of Age" Cup (60 years and over). 18 holes Medal:

- 1st Prize (pair of cut glass tankards and $\frac{1}{2}$ doz. golf balls), H. J. Drewitt, 78.
- (hip flask), E. H. Benbow, 79.

Senior Division. 36 holes Medal:

- 1st Prize (Ransomes Cup and gold watch), R. Whitehead, 71.

- 2nd Prize (*Golf Illustrated* Cup, voucher and dinner service), W. Machin 72.

- 3rd Prize ("Universal" Cup, stainless steel dish and carvers), R. Vickers, 74.

- 4th Prize (holdall case), W. Barton, 75.

- 5th Prize (garden chair), F. W. Corner, 75.

- 6th Prize (travelling clock), R. J. Goodwin,

- 7th Prize (steak knives and forks), J. L. C. Noakes, 76.

- 8th Prize (travelling rug), A. Robertshaw, 76.

- 9th Prize (holdall), J. Grealy, 78.

- 10th Prize (cigarette case and compact), D. Cheetham, 79.

- 11th Prize (1 doz. golf balls), J. Rees, 79.

- 12th Prize ($\frac{1}{2}$ doz. golf balls), Dennis Jones, 79.

- 13th Prize ($\frac{1}{2}$ doz. golf balls), J. E. Dodds, 79.

Junior Division (12 to 24):

- 1st Prize ("Pattison" Trophy and gold watch), F. W. Ford, 74.

- 2nd Prize (President's Cup and tea service), R. N. Waltby, 76.

- 3rd Prize ("May's" Cup and putter), H. A. D. Fry, 76.

- 4th Prize (garden chair), S. Kilby, 76.

- 5th Prize (crystal rose bowl), A. Sarsby, 77.

- 6th Prize (case of cutlery), A. Boraston, 78.

- 7th Prize (bathroom scales), T. H. Finch, 78.

- 8th Prize (holdall), D. J. Singleton, 78.

- 9th Prize (stowaway tea set), E. C. Williams, 78.

- 10th Prize (cigarette case and compact), Bert Jones, 78.

- 11th Prize (Worcester beer mug), A. Price, 79.

- 12th Prize ($\frac{1}{2}$ doz. golf balls), G. Piggott, 79.

- 13th Prize ($\frac{1}{2}$ doz. golf balls), J. Stobbs 80.

The "Allan Taylor" Cup. 18 holes Medal:

- 1st Prize ("Allan Taylor" Cup and $\frac{1}{2}$ tea set), P. Malia, 65.

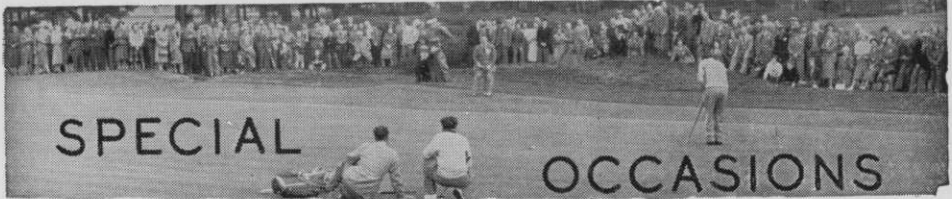
- 2nd Prize (Verdone Cup and nylon pile bedspread), R. N. Maltby, 66.

- 3rd Prize (pair Wonderlon sheets), J. Janovski, 66.

- 4th Prize ($\frac{1}{2}$ doz. sherry glasses), D. J. Singleton, 68.

- 5th Prize ($\frac{1}{2}$ doz. golf balls), Bert Jones, 68.

- 6th Prize ($\frac{1}{2}$ doz. golf balls), D. Storey, 69.



- | | | | |
|-------|------|--|--|
| SEPT. | 11th | Southern Section Autumn Tournament—Crews Hill G.C. | |
| | 16th | } N.A.G. Exhibition—Motspur Park. | |
| | 17th | | |
| | 18th | | |
| | 17th | | Northern Section Autumn Tournament—Huddersfield G.C. |
| | 24th | | Welsh Section Autumn Meeting—Carmarthen Golf Club. |
| | 24th | Midland Section Autumn Tournament—Sutton Coldfield G.C. | |
| | 25th | Southern Section visit to ATCO. | |
| | 25th | North East Section Autumn Tournament—Morpeth G.C. | |
| OCT. | 1st | Southern Section Quiz—Stirling Castle. | |
| | 9th | Midland Section v. Secretaries Match—Sutton Coldfield G.C. | |
| | 15th | Southern Section Greenkeepers v. Secretaries. | |
| | 16th | North-West Section Autumn Tournament—Bolton G.C. | |
| | 16th | Northern Section v. Sheffield Section Match—Halifax G.C. | |
| NOV. | 5th | Southern Section Lecture—Stirling Castle. | |



Parker's new sprayer in action. Priced at £52, 10s.

PLEASE REPLACE DIVOTS !

The Greenkeeper on your Golf Course will be anxious to keep his turf in the best possible condition just now. Preliminary judging is now under way on the 81 courses entered for "Scotland's Greenkeeper of the Year, 1969", the second annual competition sponsored by S.A.I. Horticulture Ltd., specialists in golf course turf treatment, and the Scottish Golf Greenkeepers' Association.

Judging takes into account every aspect of the greenkeeper's varied and skilful job and there are compensating factors for the differences between the wealthy clubs and those not so well endowed.

As in 1968, the winner will receive £100 plus the S.A.I. Perpetual Challenge Trophy and each of the six runners-up will receive £10 and a runner-up trophy.

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from the Sections

GREENKEEPERS VICTORIOUS IN HERVÉ CUP

On Tuesday, 8th July, the annual match between the Captains and Greenkeepers of Essex was held at the Romford Golf Club. The weather was not too kind but, as usual, all had an enjoyable day. For the first time, the Greenkeepers won the Hervé Cup by a margin of 18 points.

Mr Benton, the Captains' Captain, welcomed the Greenkeepers saying how much pleasure it gave the society to entertain them for the day. He also thanked the Romford Golf Club for allowing the match to be played, also the Greens staff for the condition of the course, and the inside staff for the purveying of food and drink.

Jock Glass replied by saying how much the Greenkeepers had enjoyed the day, and the pleasure it gave his team to win the Hervé Cup. He also endorsed Mr Benton's remarks about the greens and the indoors staff. A serious programme of mutual hospitality was then dealt with at some length and with some conviviality.

THE SOCIETY OF ESSEX GOLF CLUB CAPTAINS

Tuesday, 8th July 1969

Match v. Essex Greenkeepers.

Greenkeepers win the Brian Hervé Cup by 18 pts.

	pts.		pts.
P. Staines (Maylands) & P. Moore (Romford)	47	V. Woods & R. Tidder	38
F. Ford (S. Herts) & C. Moore (Stanmore)	45	F. Chapman & B. Williamson	35
J. Kendal (W. Essex) & Cowie (W. Essex)	42	H. Jeeves & C. Diebel	37
D. Singleton (Orsett) & J. Glass (Thorpe)	39	F. Benton & R. Gray	42
J. Rennie (Wanstead) & F. Smith (Maldon)	36	W. Eary & J. Thomas	24
J. Noakes (Thorndon) & R. Gould (Chigwell)	35	M. Tighe & C. Hedin	37
P. Ryan (Boyce. H) & D. Camp (Rochford)	28	H. Baker & G. Manning	41
Totals	272		254

By F. W. Ford

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

October Lecture

As stated in a previous journal this will once again be a Quiz with J. K. Glass as your Quiz Master and it will take place at 6.30 p.m. on Wednesday, 1st October, at Stirling Castle, London Wall, Moorgate. This is a great opportunity to get other greenkeeper's views on your problems and to the younger members and apprentices who are just starting out and who must have lots of questions they would like answered, bring them along and benefit from others experience. No question is too small and all questions will be answered. If everyone asks one question we shall have a jolly good educational evening.

New Members

To the following new members I would like to extend a warm welcome to the section with a hope that those who can, will make a great effort to come along to our lectures to meet new friends. C. Neal and F. G. Ives (Northwood), G. Ashton and H. Ashton (Burnham Beeches), P. Hamlet (Hartsbourne) and K. Gardener (Addington Court).

MIDLAND

By R. Goodwin

Chairman:
G. HART
(Gay Hill)

Hon. Secretary:
167 Birmingham Road,
Lichfield, Staffs.

Summer Tournament

The Summer Tournament took place at the Habberley Golf Club on Monday, 21st July.

Twenty-nine greenkeepers arrived at Habberley to find Mr W. Robinson, a Director of the Club, waiting to extend to them a very warm welcome to this picturesque little course set in the heart of Worcestershire. Mrs Grealy, the Stewardess, had pots of coffee waiting, after which the players went out into the heat of the summer to compete for the Habberley Cup and an abundance of prizes given by the Directors and Members of the Habberley Golf Club.

Trevor Morris of Whittington Barracks Golf Club played a steady round of 87-22-65, to beat Geoff Smith of Walmley Golf Club by one shot. Gil Woodward of Walsall Golf Club took the Scratch Prize, with a gross 73, a bottle of whisky.

The Visitors' Prize, an electric toaster, given by Mr L. Hatton, was won by Mr W. Betts with a net score of 71.

Scores and Prizes

- 1st T. Morris—65 net—Habberley Cup and replica and carpet.
- 2nd G. Morris—66 net—Summer Cup and carpet.
- 3rd R. Boraston—67 net—Fireside rug.
- 4th H. Drewitt—67 net—Fireside rug.
- 5th V. Smith—69 net—Bottle of whisky.
- 6th R. Pugh—70 net—Non-stick frying pan.
- 7th E. Benbow—70 net—Pullover.
- 8th J. Grealy—70 net—Bottle of whisky.
- 9th G. Hart—72 net— $\frac{1}{2}$ bottle of whisky.
- 10th A. Hastilow—72 net— $\frac{1}{2}$ bottle of whisky.
- 11th W. Barton—73 net— $\frac{1}{2}$ bottle of whisky.
- 12th J. Munro—73 net— $\frac{1}{2}$ bottle gin.
- 13th R. Goodwin—74 net— $\frac{1}{2}$ bottle gin.
- 14th W. Boyce—75 net— $\frac{1}{2}$ bottle gin.
- 15th R. Hughes—75 net—Bottle sherry.
- 16th D. Haynes—75 net—Bottle sherry.
- 17th A. Jamieson—76 net—Bottle sherry.
- 18th L. Greenow—77 net—Bottle sherry.
- 19th A. Boffy—78 net—Golf glove.
- 20th A. Stephens—81 net—Tankard.
- 21st M. Hall—82 net—Pair socks.

Mr Robinson gave the apologies of the Club President, Mr P. P. Hunt, and the Captain, Mr Minnett, who could not be with us during the evening. He then introduced Mr R. A. Pratt, Chairman of the Green Committee, who made the presentation.

Mr Pratt said how pleased he was to see so many greenkeepers at Habberley especially

the younger members whom he would like to see have similar training to that given in the U.S.A. where it was possible to obtain a degree for this type of work. After making the presentation, Mr Pratt asked everyone to take liquid refreshment with him.

G. Hart, Chairman of the Section, on behalf of the greenkeepers, thanked Mr Pratt for making the presentation; Mr Robinson for his warm welcome and kind remarks; the Captain and Directors for the splendid prizes and the courtesy of the course and clubhouse; John Grealy, Head Greenkeeper and Steward, who had everything in perfect order on the course and in the clubhouse, and Mrs Grealy and her lady assistants, Mrs Derby, Mrs Woodhall and Mrs Greenow, for the first-class meals and service throughout the day. A wonderful occasion enjoyed by all.

A.G.M.

The A.G.M. was held at the Habberley Golf Club on Monday evening, 21st July 1969, with our Chairman, Mr George Hart, presiding. Over 30 members were in attendance.

The Minutes of the last A.G.M. were read and passed along with the Secretary's Report of the year's activities. The Treasurer reported the Balance Sheet to be once again holding its own and was accorded a vote of thanks for his continued hard work.

Election of Officers

The following were elected for the year:—President, Mr Carl Bretherton; Vice-Presidents, en-bloc with the addition of Mr J. R. Greenhalg, Mr P. Grimmitt, Mr R. A. Pratt, Mr Plant, and Mr Turner; Chairman, G. Hart; Vice-Chairman, H. Drewitt; Secretary, R. Goodwin; Assistant Secretary and Treasurer, F. Cashmore; Committee, E. Benbow, W. Barton, A. Boraston, P. Coleman, T. Jones, G. Smith, R. Smith, V. Smith, A. Stephens and G. Woodward; Executive Representative, R. Goodwin; Hon. Auditors, Messrs K. Sargeson and E. Ballinger.

A vote of thanks was expressed to Mr Sargeson and Mr Ballinger for the wonderful job they had done over the years in keeping our financial affairs in good order.

Any Other Business

It was reported that the Walmley Golf Club has kindly agreed to us using their clubhouse for this year's Annual Dinner, and it was hoped to arrange a film show to accompany the Dinner.

It was resolved that future tournaments in the Section be played with one Division only.

Mr Pugh moved a vote of thanks to the Chairman for conducting the meeting. This was unanimously supported.

This closed the business.

NORTHERN

By J. Parker

Chairman:
A. ROBERTSHAW

Hon. Secretary:
8 Goit Stock Terr., Harden,
Bingley, Yorks.

Visit

Thirty-five members visited the new Moor Allerton Golf Course, Leeds, now under construction, on Monday, 21st July. They were conducted round by Mr Ron Kirby, Course Supervisor, and Mr Colin Geddes. Many new features are being used in the construction and these caused a lot of interest and discussion. It is hoped to make another visit next year to see the progress made.

Mr J. Coates

Members will be sorry to hear of the death of Mr J. Coates, a Life Member of the Association, and one of the oldest members of the Section.

New Members

We welcome to the Section Mr D. Gillery, 42 Cornelian Avenue, Scarborough (Scarborough South Cliff).

Mr W. Heeles

Playing in the Harrogate Amateur Championship Bill Heeles of Oakdale Golf Club broke the course record of the Knaresborough Golf Club and won the competition. Our congratulations to him.

NORTH-EAST

By G. Jeffries

Chairman:
J. SIMPSON

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

Our new Secretary and Treasurer is Mr Geo. Jeffries of Durham City Golf Club. I trust you will all continue to give him your full support. We are all sorry that Mr D. Earsman, our former Secretary, has left greenkeeping for the time being and we wish him well in his new job and thank him for the splendid manner in which he carried out his duties in the past.

J. G. Simpson.

A.G.M.

Our Annual General Meeting was held on Saturday, 12th July, at the Duke of Wellington Hotel, Newcastle, 20 members being present.

Our Chairman, Mr J. Simpson, opened the meeting, and in his remarks thanked the Committee and members for their support during the past year.

Report on the year's working was given by the Secretary and Treasurer, and a vote of thanks was given to Mr Dave Earsman, our retiring Secretary and Treasurer, for the good work done for the Section over the years, and for finishing with such a healthy balance sheet.

Paying members—48, and 7 honorary members, making a total of 55.

Election of Officers

President, C. N. Storey, Esq.; Vice-Presidents, returned en-bloc; Chairman, J. Simpson, Esq.; Vice-Chairman, N. Fraser, Esq.; Secretary and Treasurer, G. Jeffries, Esq.; Committee, returned en-bloc; Hon. Auditors, Messrs Martin, Hilton and Blakey.

The Chairman, on behalf of the Committee and members, thanked our Hon. Auditors for their work with the accounts and Mr Les Lowery for his help with the cards at our golf competitions. Thanks went to our old friend, Mr Tom Oliver, for his work with the sweep tickets.

Annual Competition

As you may know our Annual Competition is held at Morpeth Golf Club, Northumberland. Members who have not paid their subscriptions for 1968/69 will not be eligible to play in the competition which is on the 25th September.

Subscriptions

Will all members please note that subscriptions for 1969/70 are now due.

New Members

We welcome to the Section the following new members, both Class C. W. J. Mollon (Durham City Golf Club), and Alan Lowes (Chester-le-Street Golf Club).

SHEFFIELD

Chairman:
G. HERRINGTON
(Lindrick)

By H. Gillespie
Hon. Secretary:
63 Langsett Avenue
Sheffield, S6 4AA

Annual Tournament

The Annual Tournament was played on 23rd July at Tankersley Park Golf Club by kind permission of the Captain and Committee. The 26 members who competed had a very enjoyable day's golf, playing 10 holes in the morning and 18 holes after lunch. Conditions were very sunburnt with the sun blazing down all day. They were very tired feet that rested in the clubhouse at night to hear a welcome from the Vice-Captain who, deputising for the Captain on holiday, presented the prizes to the following:—

- 28-hole net, Cup and 1st, J. Baxby (Hallowes) 38-72-110 net.
- 28-hole gross, Cup and 2nd, A. Spencer (Lindrick) 42-78-120 net 111.
- 18-hole net, Cup and 3rd, J. Walker (Doncaster Town Moor) 42-71-113 net.
- 4th C. Chappell (Phoenix) 39-74-113.
- 5th H. Tanfield (Renishaw) 38-76-114.
- 6th E. Ainsworth (Lincoln) 40-77-117.
- 7th G. Herrington (Lindrick) 42-78-120.
- 8th A. J. Baxby (Hallowes) 45-76-121.
- 9th A. Goldthorpe (unattached) 44½-77-121½.

10th E. Palmer (Abbeylea) 42½-80-122½.
11th P. Leader (Hallowes) 46-77-123.
12th R. N. Maltby (Sherwood Forest) 44-79-123.
13th R. Whitehead (Wheatley) 43-80-123.
14th H. Herrington (Rotherham) 43-80-123.

We were joined in the afternoon by five of our Vice-Presidents with Mr B. H. Webster (Hillsborough) the prize-winner with 78 net. Our thanks to these five gentlemen for giving up their time to join us; we hope you enjoyed yourselves.

Our thanks also to the Tankersley Golf Club for the courtesy and wonderful way we were received and in particular to Mr M. D. Hulley for the catering arrangements he so hurriedly made. Once again we were also indebted to Mr W. Pender of Stewarts and Mr G. Vaughan of Ransomes for looking after the score cards, etc.

Prize Donors

Our thanks are due to the following who donated to the Prize Fund: Messrs Ransomes, Patissons, Suttons & Sons, Stewarts, Rigby Taylors, May & Baker, Cannonock Fertilisers, Flymo Ltd., Lindsay & Kesteven Fertilisers, S.A.I. Ltd., W. Mountain & Sons, Mr Elliott, Mr Haynes, Mr Hulley, Mr Park, Mr Shirdlow, Mr Webster and Miss M. Walker.

New Members

We welcome to the Section two new members—D. Marsh of Wheatley Golf Club and P. Leader of Hallowes Golf Club.

NORTH-WEST

By H. M. Walsh

Chairman:
T. BRENNAN

Hon. Secretary:
Horrobin Cottage,
Old Links Golf Club,
Montserrat, Bolton, Lancs.

Annual Tournament

As stated in previous issues of the journal our Autumn Tournament will be held at Bolton Golf Club, Lostock Park, Bolton, on Thursday, 16th October 1969. Will all members intending to be present please let me know as soon as possible so that I can make the necessary catering arrangements. The tournament will be over 27 holes, 18 in the afternoon and 9 in the morning. Members will be allowed one visitor for whom there will be an 18-hole competition in the afternoon. Please let us have another successful day with another big turn out, and please arrive early.

Winter Lectures

I am once again arranging this winter's series of lectures. The first one will be in October and the name of the speaker, the date and venue will be in the next issue of the journal, also the dates and names of

other speakers. The venue for those talks will be the same as last year, the Brunswick Hotel, Piccadilly, Manchester.

Change of my Address

Will all members please send future correspondence to my new address which is as follows:—Hon. Secretary, North West Section, B.G.G.A., Horrobin Cottage, Old Links Golf Club, Montserrat, Bolton, Lancs.

WELSH

By S. A. Tucker

Chairman:
M. GEDDES
(Royal Porthcaw)

Hon. Sec. and Treasurer:
36 Close Road, Morriston,
Swansea, Glamorgan.

Annual General Meeting

The A.G.M. has passed again and I hope that all who paid a visit to Wales enjoyed themselves, and that they were very comfortable in their stay. I do hope that all who live on inland courses paid a visit to some of our bays and the Gower coast, I am sure they would enjoy the views.

Autumn Meeting

The Autumn Meeting will be held at the Carmarthen Golf Course on 24th September. The coach will leave the library, Whitchurch, Cardiff at 8 a.m. sharp travelling via Llantrisant Road, Pontyclun, to the Brindgend by-pass then on the A48 road direct to Carmarthen. All members who have not notified me please do so as I have to inform the driver where to pick you up and also to arrange the catering.

Annual Draw

I must thank all members who sold their tickets for the draw. The effort was very good I am pleased to say. I must mention T. E. Lloyd who sold 127 books — a very fine effort Tom, thank you, and to all the others for their efforts, thank you lads for all you have done.

SITUATIONS VACANT

MANAGER'S JOB IN HONG KONG.

The Hon. Secretary has details of a manager's job in Hong Kong with special responsibilities for the golf courses.

WEST KENT GOLF CLUB, DOWNE,

Nr. Farnborough, Kent, require Second Greenkeeper. Must be experienced. Good wages and fringe benefits. No accommodation. Apply Secretary, Farnborough 51323 or Kent 51737.

Continued from Page 7

a botanical name for a grass, and *annua*, annual, because it is supposed to last only a year.

Poa pratensis (Smooth-stalked meadow grass): in America this is called Kentucky Bluegrass or June grass. The stalks are smooth, and the botanical name *pratensis* means "growing in a meadow".

Poa trivialis (Rough-stalked meadow grass): in America this is called rough bluegrass. The stalks are usually rough, and it is a common grass—*trivialis*, or "ordinary".

Dactylis glomerata (Cocksfoot): a weed grass of turf, the inflorescence has short-stalked compressed spikelets crowded at the ends of the branches. It is not surprising, therefore, to find that *Dactylis* means a finger, and that *glomerata* means crowded.

Cynosurus cristatus (Crested Dogstail): the seed of this grass was gathered for cultivation as far back as 1761 (not, of course, for sports grounds, but for sheep grazing). Its name refers to its inflorescence. *Cynosurus* from the Greek *kyon*, a dog, and *oura*, a tail. *Cristatus*, crested.

Hordeum murinum (wall barley): found on waste ground, and particularly by buildings and walls hence the name **hordeum**, the old Latin name for barley, and *murinum* of walls.

Agrostis stolonifera (Creeping Bent): spreads by leafy stolons. Sometimes called White Bent and Fiorin. *Agrostis* the name for a kind of grass derived from **agros**, a field, and *stolonifera*, having stolons.

Agrostis tenuis (New Zealand Brown-top): large quantities of seed are exported each season from New Zealand, the species having been taken there by settlers, who filled their mattresses with grass prior to setting sail. *Tenuis*, fine, a reference to the plant's fine leaves.

Phleum pratense (Timothy): about 1720, this grass was grown in America by Timothy Harsen, from whom its common name is derived. *Phleum* from **phylos**, the old Greek name for a marsh grass, and *pratense* a grass of meadows.



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From this, anyone would guess that Timothy could be used for winter games pitches.

Holcus lanatus (Yorkshire Fog): in America, known as "velvet grass", but is greatly reckoned to be a weed of turf. How it got the name Yorkshire Fog I do not know, but *holcus* is the old Latin name for a kind of grain and *lanatus* means "woolly", referring to the hairy leaves, or possibly to the softness or woolliness of the grass.

Anthoxanthum odoratum (Sweet Vernal): at one time included in seed mixtures for hay because of its fragrant smell. The presence of a substance called coumarin gives the plant this characteristic scent. However, it does not taste so good. *Anthoxanthum* from **anthos**, a flower, and **xanthos**, yellow; *Odoratum*, sweet-smelling.

Festuca rubra commutata (Chewing's Fescue): a Mr Chewings first sold this seed in New Zealand. Although this is considered to be one of the first grasses for turf purposes, it is interesting that *Festuca* is the old Latin name for a weedy grass (probably not much good for sheep or goats!). *Rubra*, red, describing the colour of the spikelets, and *commutata*, change or alteration. The varietal name of this grass until recent years was **Fallax**—a Latin word meaning deceitful or false, so it would suggest that it is hard to pin down!

Deschampsia flexuosa (Wavy Hair Grass): this is named after a French naturalist, Mr M. H. Deschamps; *flexuosa*, wavy, a good description of the flowering branches.

Nardus stricta (Moor Mat grass): the leaves of this species are very hard and brittle, with a lot of vegetative shoots closely packed on short rhizomes. *Nardus*, from **nardos** the Greek name of an aromatic Indian plant, and *stricta*, constricted, referring to the shoots packed together.

Incidentally, I like my own botanical name, *crataegus*. The common name Haw means hedge, referring to its use in hedgemaking.

But *crataegus* comes from the Greek **Kratos**, increasing toughness with age.

I may not be so tough as I used to be, but I like to think I am!

With grateful acknowledgements to the
"Groundsman."

N.A.G. EXHIBITION

Stand 56, Avenue G

BERK LIMITED

Three New Products from Berk

Berk will introduce among other new products at the 1969 N.A.G. Exhibition a new Top Dressing comprising sand, sterilised soil and granulated sedge peat. It is packed in heavy-duty polythene bags for easy storage and application. Winter Outfield Granular Hardener. This new product is non-organic and easy to apply with accuracy. Its formulations make it particularly suitable for strengthening the resistance of grasses on golf tees to heavy wear during the winter.

FLYMO HIGH WORK RATE MACHINES AT MOTSPUR

Flymo air-cushion mowers, now firmly established as standard machines for local authorities, and the Toro range of high work-rate mowers will be featured by Flymo Limited of Watford on their Stand at the Motspur Park Exhibition of the National Association of Groundsmen on September 16.

PARK PROFESSIONAL HAND SPRAYER

(See illustration Page 13)

T. Parker & Sons (Turf Management) Ltd. announce the introduction of the PARK PROFESSIONAL HAND SPRAYING MACHINE ideally suitable for use on Golf Greens, Cricket Tables, Bowling Greens, etc.

The machine has been purpose designed for the professional and embodies design features likely to appeal to this type of user. These include:—

1. A 7-gallon capacity tank fitted with drain plug;
2. Instantaneous on/off finger-tip control.
3. Balloon type tyres to minimise damage to turf;
4. Low volume and high volume booms enabling the machine to handle selective weedkiller and wormkiller;
5. Quick release filler cap giving perfect seal when screwed down;

Mrs Greenkeeper's

Own Corner

Most people like salads, but as the summer goes on they seem to become uninteresting, so here are some with a difference.

Surprise Salad

2 leaves of gelatine, 2 tablespoonfuls of vinegar, a pinch of salt, mustard, pepper, and sugar, 3 tablespoonfuls of olive oil, tomatoes, $\frac{1}{2}$ pint of mayonnaise, 1 small cauliflower, 1 small tin of peas, 1 lb. of diced potatoes.

Mix the peas and cold diced potatoes with the mayonnaise. Melt the gelatine leaves and add them, put this mixture in a mould and leave in the refrigerator until set. In the meantime cook the cauliflower, leave to get cold. Turn the vegetable mould on to a large dish, arrange the cold cauliflower round the mould, season with French dressing made with the olive oil, vinegar, mustard, salt, pepper and sugar, garnish all round with very fine slices of tomato and serve chilled.

Grape Salad

A small bunch of grapes, 2 boiled potatoes, 1 pear, 1 orange, 2 apples, 1 lettuce, 1 tablespoonful of chopped nuts, a little chopped parsley and chives, 2 tablespoonfuls of vinegar, 3 tablespoonfuls of milk, salt, pepper, French mustard.



with Ann Mawson

Peel and dice everything, mix well together, season with dressing made as follows. Beat the milk with salt, pepper, mustard and vinegar. Add a pinch of sugar and a sprinkling of chopped parsley and chives, serve chilled.

Olive Salad

1 hard boiled egg, green and black olives, 1 garlic clove, 1 lemon, endives, red pepper, salt, sugar, 3 tablespoonfuls of olive oil, 1 tomato, 2 tablespoonfuls of vinegar.

Choose tender endives, chop every leaf in two and immerse in cold water with the lemon juice. Crush the garlic clove, a red pepper, salt, and a pinch of sugar with two drops of olive oil, mix this well together, add peeled tomato. Mix vinegar with olive oil and mix well together again. Chop in some green and black olives. Drain the endives well, pour the sauce over, and garnish with hard boiled eggs. Serve very cold.

—Until November . . .

Ashdown, K.	12867	Phillips, A. N.	07883	Richards, R. C.	20503
McHardy, W.	03332	Brocq, T. S. le	20564	Smithers, W. D.	13061
Thubron, P. J.	05675	Burns, J. R.	06164	Kivlehan, C. J.	15655
Wood, N. D.	08431	Pook, G. J.	00242	Connelly, I.	07341
Wallace, R. M.	08132	Hopper, J.	09956	Fidler, R. S.	00411
Roberts, E. P.	15381	McNaughton, T.	22575	Smart, D.	00309
Carter, W. H.	09005	Dawson, W.	12069	Blaze, P. M.	10402
Boyle, H. F. J.	12157	Slocombe, D.	24057	Jones, D.	03313
Douglas, M. C.	18649	Leslie, J. T.	01131	Johnson, D.	22963
Tomlinson, G. D.	11316	Hitchcock, J.	13091	Huggett, B.	11586
Johnson, G.	04519	Craik, D. C.	03633	Thomson, P.	07072
Godfrey, J. A.	03052	Tomlinson, W.	11173	De Vicenzo, R.	14476

B.G.G.A. ANNUAL DRAW 1969 RESULT SHEET

"News of the World" Match Play Championship

Vaughan, D. I.	00998	King, R. A.	02115	Midgley, D. K.	16539
Ross, D. N.	23616	Shade, R. D.	03418	O'Mahoney, T.	00541
Maskell, A. L.	14145	Hunt, S. A.	02491	West, W. F.	00287
Anderson, R. M.	11442	Game, R.	14176	Taber, M. J.	08715
Williams, G. C.	24126	Hawkins, M. L.	15444	Bannerman, H.	09791
Lyons, G.	23603	Gray, G. D.	16748	Simmonds, A. B.	10630
Huggett, P.	03292	Rees, A.	22209	Pinner, T. R.	13941
Hughes, M. A.	15326	Jukes, J. S.	10207	Place, D. A.	06280
MacDonald, K. A.	02050	Wilson, G. J.	13601	Oosterhuis, P. A.	10435
Lynch, N. C.	06001	Bousfield, K.	12664	Levermore, S.	06110
Whitehead, E. R.	03046	Huish, D.	01745	Frew, J.	22032
Coles, N. C.	00464	Creamer, D. O.	12662	Davies, B. N.	03161
Norton, G. C.	00387	Goldring, G.	13727	Notley, M. J.	10112
Dodd, P.	13041	Davenport, R. R. W.	11445	Lewis, D.	10626
Emery, R. H.	01519	Adwick, K. W. C.	04567	Lloyd, G.	08649
Evans, C.	05674	Hall, A. J.	04876	Long, J. P.	09880
Horsman, A.	11481	Gunn, M.	07091	Wilkshire, J. W.	09528
Lynch, J. M.	22370	Large, W.	15373	Grubb, A. G.	22442
Firkins, B. A.	15331	Livingston, R. D. S.	11681	Sandry, B. M.	12900
Devetta, B.	07551	Small, D.	05621	Scanlan, D.	11639
Hector, W.	00715	Goodwin, T. M.	03597	Raisbeck, J. A.	02434
Bamford, B. J.	24220	Macpherson, K. A.	22600	Paterson, W. R.	09036
Fuller, G. R.	13750	Ackerley, P. G.	20346	Fisher, T. A.	14938
Richardson, G.	14209	Stillwell, E. P.	11977	Larrad, J.	22631
Waites, B. J.	11374	Stoneman, G. H. D.	02204	Gregson, M. E.	18567
Whymark, S. J.	11413	Martin, J.	11324	Butler, D.	15915
Esplin, A.	12913	Moffitt, R. L.	14152	Taylor, R. J.	08288
Jackson, S. R.	18600	Baker, C. D.	10104	Underwood, N. P.	00940
Garner, J. R.	12942	Pennington, C. G.	03603	Ridley, D. J.	09945
Law, V. R.	15323	Harris, D. W.	12571	MacDonald, H. M.	23666
Greenfield, P. F.	01524	Hunt, N. C.	10490	Mathew, R.	09948
Gummer, R. H.	00465	Adams, J.	10890	Poole, D. S.	08831
Roberts, D. L.	05405	Ellis, J. H.	23561	Hutchinson, B.	11299
Barnes, B. W.	00894	Gill, P. E.	05647	Whitcombe, E. E.	06725
Spivey, J.	10827	Sutton, N.	00562	Wrigley, I. L. F.	14962
Squires, T. R.	24097	McGuinness, P.	08086	Wilkinson, W. J.	10412
Horton, T. A.	20631	Plumbridge, M. M. R.	22996	McCarthy, G.	08859
Pollard, E.	07251	Haslam, D.	05090	Reece, M. C.	22385
Little, J. A.	00610	Nash, D. A.	20588	Moore, R. W.	09824
Melville, D. L.	14207	Rees, D. J.	23881	McGuirk, P. R.	06715
Higgins, P. T. L.	06081	Tuohy, R. F.	07095	Redford, K.	12109
Hill, R. F. N.	10897	Hunt, G. L.	00486	Ward, P.	10048
Murray, S. W. T.	22238	Job, N. J.	11956	Cogle, E.	24051
Howdon, D. C.	13967	Jagger, D.	01077	Clark, J. B.	14875
Evans, G.	16747	Wiseman, R.	11440	Tallack, P.	07350
Allen, B. H.	01550	Martin, J. I.	23754	McCombe, N. M. A.	10633
Alcorn, K.	03645	Jones, I.	15489	Ibberson, M. A.	08857
Hampshire, G.	17584	Hooker, L. J.	10070	Lester, E. G.	22962
Harding, C. D.	03618	Lambert, R. G.	12102	Butler, P. J.	13082
Livesey, R.	15565	Johnson, J. W.	22599	Beattie, D. T.	11360
Ashby, A. G.	16980	Lee, P. F.	08386	Kemp, R. H.	23777
Edmonson, A.	10044	Woodman, S.	12906	Walker, R. T.	11584
Clark, C. A.	22364	Thorne, J. C. G.	22609	Jackson, H.	13719
Millenstead, D. J.	21400	Morrison, A. K.	03098	Marshall, J. F. G.	10711
Hamilton, J.	11699	Thompson, J. R. S.	23899	Allott, M. F.	09115
Bonthron, D.	09405	Hudson, J. A.	01790	Page, R. J.	03669
McNeill, N. T. J.	12417	Muscroft, H. W.	17867	Kingsella, J. J.	10488
Levermore, D. A.	09954	Arnott, H.	15366	Snell, D.	10307
Ingham, M. B.	16516	Mace, R.	22615	Coombs, P. J.	07998
Burroughs, G. R.	21282	Christison, C. G.	12413	Craig, M. R.	22467
Evans, I.	20315	Gilbride, F.	23896	Gallacher, B.	13603
White, A.	00895	Murphy, M. A.	22017	MacDonald, I. D.	23562
Thompson, A. E.	01520	DeFoy, C. B.	08179	Morris, N. B.	01016
Waldron, M. D.	00129	Mackay, C. R.	11373	Jones, L. A.	06495
Lait, D. E.	12308	Halliwell, J.	00124	Low, G. W.	21485
Wilcock, P. H.	03673	King, A. G.	23768	Hunt, B. J.	00275
Platts, L.	01913	Mouland, S.	12306	Gillies, A. C.	02402
Parton, G.	11109	Webster, D. K.	24240	Talbot, D.	10550
Clarke, T. P. B.	00410	Bembridge, M.	02238	Aitken, G. J.	09564

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3. Dual-action, it improves the organic content of the soil and promotes better root growth

5. Flows freely, consistent grit size, non-segregating.



2. Packed to withstand outdoor storage.

4. Recommended rate of application 2-4 lbs. a sq. yd.

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