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TO MANUFACTURERS.—In order that our information may be kept constantly up to date, manufacturers or suppliers are requested to forward their latest trade lists, catalogues, and any other confidential information regarding their products. By so doing the Bureau will be able to function to the mutual benefit of all concerned.

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GREENKEEPER

HON. EDITOR: F. W. HAWTREE



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TEE SHOTS



by the Editor

Dudley Council has earmarked 160 acres at Coopers Bank for an 18-hole municipal golf course. This was one of three sites which were considered before the Estates Committee made its decision.

* * * *

The late Miss Rachel Fairweather of Montrose left part of the residue of her estate—to be exact £99 18s. 7d.—to the Montrose Town Council for improvements to the Medal Course relating to the layout of the course or any part thereof.

* * * *

Farmers Messrs Alfred Pearson & Son find it difficult to maintain their dairy herd at present and have applied to develop their land at Tatsfield, partly in Kent and partly in Surrey, as a golf course. Tatsfield Council say they are relieved that the application is not for building development.

* * * *

Col. J. Anderson Wilson has applied for planning authority to build a golf course and hotel in his Wykehurst Park Estate at Bolney in Sussex. A previous proposal to make a country park and zoo was turned down. The mansion on the estate was the British Army Headquarters in one scene of "Oh What a Lovely War".

* * * *

The Heath Golf Club, Portlaoise, was granted an injunction in the High Court in Dublin last month to restrain 22 local people and others acting in concert with them from preventing or interfering with golf games at the club. The golf club, at its own expense, had reclaimed part of an area known as "The Heath" but local people felt that their grazing rights were being interfered with.

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WHEN THE GOING WAS ROUGH

by PATRICK SMARTT

Glancing through an old book in my collection, my eye fell with pleasure on a photograph depicting two horse-drawn machines on a golf course; in the background were old-time cross-bunkers.

The first thing that came to mind was the disappearance with the passage of time of three things. The horse as the power motive, the roller which on these fairway mowers was set immediately behind the cutting blades, and the "boots" on the hooves of the horses to avoid their imprints on the fairways.

A year or so ago I was engaged in tracing the early history of those clubs in Sussex which had been formed in the 19th century—several no longer in existence. At one I was shown a "boot" which had been preserved. On another occasion I called in at that rarity of today, a smithy, to seek assistance in finding a "lost" course. My reception was: "Lor' bless you, sir, I used to shoe the old horses there. Here's one of them 'boots' they used to wear."

History is a long time a-dying.

So too are the habits with those who have not kept up with the times. It must be a decade ago that I was passing a green at a club of which I had relinquished the secretaryship a few years earlier. A dear friend of mine, now dead, was then chairman of the green committee. With sleeves turned up, he was about to *roll* that green! He liked to do things himself, but in this instance I suspect the green staff had declined to have anything to do with it.

Some six inches below the surface lay a "pan" of clay. Our main task had been to let air into the top soil, not to mention dressings. This we did by hollow-tining twice a year. And here was this enthusiast about to pack it all down again! In answer to my

vividly expressed horror, he pointed out rather huffily that a roller was used on cricket pitches. After reminding him that the wicket was changed for every match, and that fast bowlers and some spinners caused a deal of wear and tear, it was highly unlikely that a green would be subjected to such treatment, and that pitch-marks should be lifted—not pressed down, he gave way.

I am old enough to have played on greens cut with hand-pushed mowers, light and exuding no nauseous gases. I have played on a course where ropes guarded the greens as a protection against the inroads of sheep, there for the purpose of grazing the fairways. Odd as it may seem, we enjoyed our golf.

It is important to reflect on those conditions and the consequences. The acceptable number of putts for a good player was two per green. By the time Walter Hagen came along and changed golf thinking to getting down in two from off the green, conditions had improved to an extent.

With things as they were, the triumvirate, Vardon, Taylor and Braid, and their companions in honour, Herd and Ray, did not set their sights so high. Today, with smooth, watered greens and the sand-wedge it would have been well within their compass.

There is a degree of difference between the horse and the mechanical age that is not always grasped. It is the matter of weight, and manifests itself on the older courses. The course for which I was at one time responsible was laid out in 1894, parts of it a little later. At times it became necessary to clear underground drains by rodding. Our work was considerably impeded (I write of the 1950s) by the rods being brought to a halt by twisted drains.

(contd. on p. 6)

The cost cutter



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(contd. from p. 4)

These drainpipes had been laid in the long ago not many inches below the surface. The passage of horse and single mower had insufficient pressure to move the soil beneath them. Heavy tractors had caused sufficient earth movement to shift the pipes out of alignment.

Perhaps I am one of those who has not moved with the times. While they have to be used, shortage of manpower demands it, I still dislike to see a heavy motor-mower on a green, or a light one for that matter. It is all very well to say that the exhaust fumes are dispersed in the air. As with spraying from flying machines, they settle on the ground.

None of which is to deny that the modern green is a vast improvement on its predecessors. But look at the chemicals (unnatural) that we use, and watering. A subject on which (to borrow from Sherlock Holmes via Henry Longhurst) I hope to write a trifling monologue.

\$20,000 per hole

Golf course construction costs have more than doubled in the past decade, according to the National Golf Foundation.

Ten years ago a lot of fine golf courses were built for \$10,000 per hole, it claims, some for even less. *Today the minimum cost is usually around \$20,000 per hole and many 18-hole layouts are running \$600,000 or more.* This does not include land costs or clubhouse facilities; just the golf courses—ready for play.

* * * *

Grave Defeat

A golfing clergyman had been beaten badly on the links by a parishioner 30 years his senior, and returned to the clubhouse rather disgruntled.

“Cheer up,” his opponent said. “Remember, you win at the finish. You’ll probably be burying me some day.”

“Even then,” said the preacher, “it will be your hole.”

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GOLF COURSE GROWTH

by JOHN VAN DAM
Turf Adviser, University of California

In early years owners of golf courses recruited both labor and equipment needs from commercial agriculture. Greenskeepers, as the men hired to care for the turf were first called, were selected for whatever work experience they were able to bring to the job. The necessity of such a hiring practice is readily apparent because this was the only reservoir of employable knowledge available at that time to cope with the unique cultural demands for turf production. The man with experience in agricultural fields was employed with the hope that he could apply his knowledge to the unusual production situations found on golf courses. His own ingenuity, initiative, learning desires, and spirit of challenge were mere fringe benefits he brought to the job. These attributes, however, eventually stood him in good stead, for as the number of golf courses increased, those same attributes helped those men in charge of turf maintenance to grow with the infant turf industry. As growth in stature and job recognition took place, fledgling indicators of professionalism appeared.

To combat the increasingly more sophisticated turf problems, the greenskeepers sought new knowledge. Discussions and an exchange of experiences became commonplace. It was inevitable that the formation of an association should follow. The organization provided a common meeting ground for the advancement of knowledge and a basis for their professionalism. They were helped by research programs developed at universities and colleges throughout the country. The educators also developed turf courses to train interested students to help meet the need for qualified manpower.

Manufacturers' help

The emerging superintendent was further helped by the equipment manufacturer, product producer, and those

in position to provide needed services. Always in search of new markets, the men in the world of business turned to help the growing number of developers willing to risk money to convert urban acreages into recreational golf courses.

Gradually, advancements in turf maintenance and management wrought lasting technological, as well as personnel, changes for the golf course sector of the turf industry. The golf course superintendent of today has more demands placed upon him than dreamed imaginable fifteen years ago. His role in the turf grass industry has led all avenues of growth.

Explosion in the 60s

Beginning in 1754, with the Royal and Ancient Golf Club of St. Andrews (Scotland), golf courses have, through the years, persistently increased in number. Gradually growing through the early years; they increased steadily through the 20s; declined slightly during the 30s and 40s; bounced back in the 50s; and *exploded* in the 60s. Today there are more than 10,000 golf courses in North America but the number of players has almost *tripled* during the 60s placing further pressures on existing facilities.

Possible problems

Current projections for the industry indicate continued growth. A University of California special report on golf courses compared 234 courses in California in actual play in 1955 to 665 in actual play in 1968. In addition, there were more than 50 courses on the drawing board to be completed by 1970. The Southern Golf Association in Los Angeles reported 157 clubs for 1970, up from 80 in 1961. (*No public links were included in the report.*) Such figures indicate to those interested in the management and maintenance
(*contd. on p. 16*)

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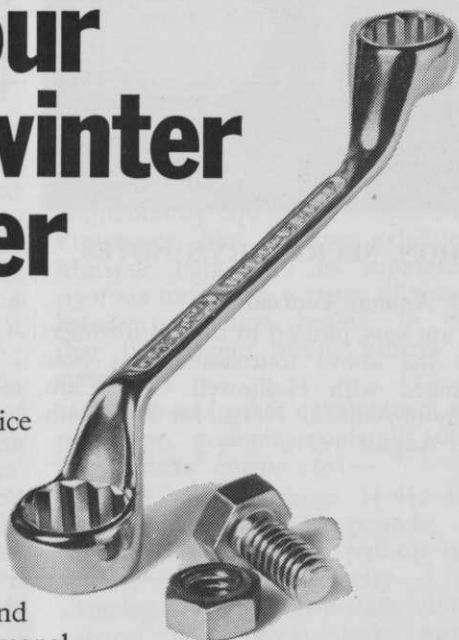
Every winter the Atco Service Organisation is snowed under with mowers waiting for their annual service.

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HON. SECRETARY'S NOTES

1971 Annual Tournament

I am very pleased to inform members that the above tournament has been arranged with Hollinwell Golf Club, Kirby-in-Ashfield, Notts., for 23rd, 24th, 25th August 1971.

C. H. Dix.

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| | 10th | North-West Section Trip. |
| | 19th | North-East Section Lecture, Polytechnic, Newcastle. |
| | 19th | Sheffield Section Lecture, Hare & Hounds Hotel, Sheffield. |
| | 23rd | North-West Section Lecture, Brunswick Hotel. |
| DEC. | 2nd | Southern Section Lecture, Stirling Castle. |
| | 7th | North-West Section Lecture, Brunswick Hotel. |
| | 17th | Sheffield Section Lecture, Hare & Hounds Hotel, Sheffield. |
| JAN. | 5th | North-West Section Lecture, Brunswick Hotel. |

TRADE NEWS

Norton Villiers develop new 171 c.c. vertical shaft engine with power take-off.

Norton Villiers have announced the development of a new vertical shaft engine for the rotary mower engine market in Britain and overseas.

Villiers re-enter the professional and domestic rotary grass cutter engine market with a 171 c.c. engine designed for manufacturers contemplating producing new rotary mowers as well as for existing machines. A prototype was displayed at the National Association of Groundsmen's Annual Show at Motspur Park.

The engine is continuously rated in the range $3\frac{1}{2}$ to $4\frac{1}{2}$ h.p. and is intended to be directly inter-changeable with imported engines on existing machines. It has been specially developed to meet the need for a British product in the world's expanding rotary mower engine market, and an outstanding feature is its constant torque throughout a wide range of speeds.

This approaches the ideal characteristic required for engines required to maintain a high work rate and cutting power even when thick and wet grass is encountered.

The engine also features auxiliary power take-off points available from either side, which are suitable for driving wheels of a roller, and a two-stage low tone silencer with exhaust port below the machine deck gives a much lower noise level. A vertical recoil starter provides an easy starting position.

Operation testing by Villiers has already indicated the considerable potential of this newcomer and an essential part of development will be evaluation by equipment manufacturers. Prototypes, like the one exhibited at Motspur Park, will be submitted to rigorous testing on a range of machines before production begins, to ensure that the engine meets Villiers' high standards.

Subject to further development of the prototype, preliminary details of this new Villiers' engine are:—

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News



from the Sections

EAST MIDLAND

By S. Fretter

Hon. Secretary:
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Annual Autumn Tournament

Our Annual Golf Tournament was held at Glen Gorse Golf Club on Wednesday, 7th October, 1970. It was a glorious day, the course was perfect, and the attendance was very good. Our thanks to the Captain and Committee for granting us the courtesy of the club, to the inside and outside staff, the professional for the trolleys. Also our thanks to Mr R. Bailey, Mr K. Buckledee, A. Thornton and Mrs Mott for the starting, totalling of cards, the raffle, etc. Also our thanks to Mr D. Whitehead for the prizes. Thanks, too, to Messrs May & Baker Ltd., H. Pattison Ltd., Cannock Fertilisers, Sutton & Sons Ltd., Mr Whitcombe for prizes.

Winners—Greenkeepers

1st, G. Bratt, Scraftoft (12 handicap), 1 up; 2nd, R. O'Hara, Stanton (24), 1 down; 3rd, G. Darby, Birstall (4), 1 down; 4th, F. Oliver, Hon. Member (16), 2 down; 5th, D. Warrington, Birstall (24), 3 down; 6th, L. A. Spence, Scraftoft (20), 3 down; 7th, R. Willars, Leicestershire (14), 4 down; 8th, A. Shaw, Radcliffe (12), 4 down; 9th, J. Carrick, Northampton County (9), 4 down.

Vice-Presidents

R. J. Bates, Birstall (scratch), 1 up.

Visitors

A. Clarke (20), 1 down.

Knock-out Competition

The final of the Knock-out Competition was played off at Glen Gorse Golf Club on Wednesday, 7th October, 1970. The winner was Mr B. Bates, Vice-President of this section and the professional at Birstall Golf Club. The runner-up was Mr W. Wood, Head Greenkeeper of Stanton on the Wold Golf Club.

New Members

We welcome to this section two new members, Mr A. Durand, "Lanscot," Willoughby Road, South Rauceby, Sleaford, Lincs., and K. Elliott, 48 Meadow Vale Crescent, Clifton Estate, Nottingham.

NORTH-EAST

By G. Jeffries

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Framwell Gate Moor, Durham.

Sweep Tickets

I congratulate all members who sold tickets for the sweep. The amount collected was £72, which was a few pounds up on last year. Books sold amounted to 576. Thank you members again.

I am sure all members will be glad to know that Tom Oliver won the £50 first prize in the sweep, and Mrs Oliver shared in a prize. As you may know Tom used to sell a lot of tickets in recent years and was a grand help in the running of this sweep in the North-East.

Lectures

We have a lecture by Fisons Limited on 19th November in the Polytechnic, Elison Place, Newcastle. The lecture will begin at 7.30 p.m.

SOUTHERN

By F. W. Ford

Chairman:
C. A. MOORE
(Stanmore)

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

Quiz

Our President, Mr Jack Wallis-Arthur, welcomed a fairly good gathering of members to the first meeting of the winter programme. One new member was present, Paul Thomas, of Fisons.

Considering the amount of problems greenkeepers have these days, one would have thought that our new Chairman Quiz Master would have been bombarded. However, the questions asked were discussed at length.

The fors and against automatic sprinklers occupied a fair length of time and although one member was quite happy with his, others related various mechanical and installation troubles. One member summed it up by saying that he thought it would take at least four years before the system was perfected.

To discourage foxes from digging on the greens and in bunkers, several methods were mentioned, such as using Creosote and Rentokil, etc. My own successful answer to a whacking deep hole which appeared daily in the face of a sand bunker was to fill the hole with wall-bricks.

Other subjects discussed were hard spots, pitch marks on greens, mowing and worm-killers.

Past Chairman, Mr J. K. Glass, concluded the evening by calling for a vote of thanks for Mr P. A. Moore for the way in which he had conducted the Quiz.

December Lecture

Wednesday, 2nd December, 6.30 p.m. at the Stirling Castle, London Wall, Moorgate, E.C.2., Mr Peter Wyatt of Pattisons will talk on "Aeration and Drainage".

"Gentlemen Please"

There are still a lot of overdue subscriptions and for the benefit of those who are not sure, possession of one of the New Membership cards is proof of payment. Cheques and postal orders please; no cash; and postal orders must be crossed.

Southern Secretaries v. Southern Section Greenkeepers, Walton Heath, Wednesday, 14th October

Determination, a wonderful performance by the local boys, Fred, Harry and Clive, and a bagging hook! helped to stop the Secretaries from making it three in a row. The trophy is now back with yours truly and the series stands at two all.

The thank-yous to Col. Badham, Fred Dulake and the Steward and staff for the splendid Walton Heath treatment we had received were made by the Captain of the Secretaries, Mr R. Bateman. He also congratulated the greenkeepers and handed over the cup, adding that there was a drink all round from the absent Mr G. Waites.

Our Chairman, Mr C. A. Moore, said he would like to endorse the Captain's remarks about Walton Heath and added his congratulations to the winning team.

Secretaries

a.m.		p.m.
1	A. Heron (North Middx.)	1
	L. Chittenden (Portsmouth) ...	0
0	J. Nicol (Home Park)	1
	J. Millar (Beds. C.G.U.)	0
0	J. Cumming (Retired)	0
	C. Badham (Walton Heath)	0
0	R. Bateman (Swinley F.)	0
	L. Warne (Retired)	0
½	J. Norman (Effingham)	1
	J. Adair (A.G.C.S.)	1
1	P. Myhill (Retired)	1
<hr/>		<hr/>
2½		5

Secretaries — 7½

Greenkeepers

a.m.		p.m.
0	K. Eastwood (Dyrham Pk.)	0
	A. Millar (Denham)	1
1	D. Major (Betchworth Pk.)	0
	R. Plain (Beaconsfield)	1
1	H. Emery (Walton Hth.)	1
	C. Osgood (Walton Hth.)	1
1	G. Payne (Maidenhead)	1
	F. Dulake (Walton Hth.)	1
½	F. Ford (South Herts.)	0
	C. Moore (Stanmore)	0
0	E. Folkes (Flackwell Hth.)	0
<hr/>		<hr/>
3½		6

Greenkeepers — 9½

MIDLAND

By R. Goodwin

Chairman:
G. HART
(Gay Hill)

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

Autumn Tournament

The Autumn Tournament was held at the Walsall Golf Club on Tuesday, October 6th, over 27 holes. Gil Woodward and his Green Staff had the course in perfect condition, while Mr and Mrs Ash provided excellent meals and service in the clubhouse.

Our Chairman, George Hart, thanked the Captain and Committee of Walsall Golf Club for extending the courtesies of the course and clubhouse and also for so generously paying the cost of meals to Greenkeepers throughout the day.

He also thanked Members of Walsall who provided prizes and also to the many trade firms and Vice-Presidents who also supported our prize list.

The thanks of the Section also go to Mr Bill Payne and Mr Neil Prior who looked after the score cards, etc.

The prizes were presented by Mr N. Armitage, Captain Elect of Walsall Golf Club, who paid tribute to Gil Woodward for his excellent work over many years at Walsall. He also found a few words to say on the very good record of Gilbert as a golfer.

Prize Winners (27 holes)

Best gross, G. Woodward, 116 (putter); 1st nett, H. Drewitt, 102 (Clayton Cup and canteen of cutlery); 2nd, R. Pullen, 103½ (clock); 3rd, D. Haynes, 107 (clock); 4th, E. Benbow, 109½ (Ronson lighter); 5th, V. Smith, 111½ (pullover); 6th, A. Boraston, 112 (pullover); 7th, A. Cutler, 112 (tankard); 8th, R. Goodwin, 112½ (Scotch whisky); 9th, D. Brazier, 112½ (Scotch whisky); 10th, J. Bevan, 113 (holdall); 11th, G. Smith, 113½ (dozen golf balls); 12th, T. Jones, 113½ (dozen golf balls); 13th, T. Morris, 116 (dozen

golf balls); 14th, G. Hart, 116 (drinking mugs); 15th, A. Stephens, 117 (bottle of wine); 16th, W. Marnock, 117½ (bottle of wine); 17th, T. Cutler, 119 (bottle of wine); 18th, G. Bunting, 119½ (bottle of wine); 19th, R. Smith, 121½ (bottle of wine).

A Boffy, W. Boyce, E. Thomas, A. Hasti-low and R. Chandler received one golf ball each.

R. Pullen won the best aggregate prize for the year's tournaments with a nett score of 282 (table lighter).

Visitors' Invitation: 1st, Mr W. Heath, 69 (6 golf balls); 2nd, Mr B. Baxter, 74 (3 golf balls).

R. Goodwin and Vic Smith each received a golf ball for having a "2" on their card. V. Smith—two balls for a "1".

Vic Smith's Ace

During the afternoon round of the Autumn Tournament, Vic Smith holed out in ONE at the 182 yards fourth hole. Congratulations, Vic, and I sincerely hope the liquid round was not too expensive. Incidentally, the ball with which Vic scored his first ever ACE was one of a dozen he won in the Spring Tournament at Oswestry, donated by "Flymo". Perhaps it would be good advice to save one for next year's Annual Tournament.

Prize Donors

Our thanks go to the following who donated to the prize list:—A. H. Clayton, Esq.; British Steel Shafts Ltd.; Synchemicals Ltd.; Pattisons Ltd.; Flymo Ltd.; May and Baker Ltd.; Atco Ltd.; Parker and Ballinger Ltd.; Rigby Taylor Ltd.; J. P. Harvey Ltd.; Cannock Agricultural Ltd.; Tudor Mowers Ltd.; Mr W. Payne; Mr J. R. Greenhalgh; Mr F. D. Brown; Mr Carl Bretherton; Mr D. Fitton (Professional); Mr K. Roodhouse (Captain); Mr J. Morris (House Steward); Mr T. P. Hawker (Competition Secretary); Mr G. Green (Hon. Secretary); Mr N. Armitage (Captain Elect); Mr D. Fernie and Mr R. Beevers.

Vice-Chairman

The Committee have elected as Vice-Chairman to the Section Vic Smith who has been a prominent member of this Committee for several years. A most popular selection, I am sure that everyone will join me in wishing you every success for many years to come, Vic.

New Members

A warm welcome to the following members who have recently joined the Midland Section:—R. J. Lane (Shifnal Golf Club); C. F. Cox and P. T. Johnson, both from the Ley Hill Miniature Golf Club, Birmingham.

Autumn Lecture

A report on the Autumn Lecture held at Handsworth Golf Club on October 19th will appear in next month's Journal.

NORTHERN

Chairman:
A. ROBERTSHAW

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

Sheffield Match

Our thanks are due to the members of the Sheffield Section and staff of the Rotherham Golf Club, Theyburgh, for providing us with a most enjoyable afternoon on the occasion of our Annual Match on 29th September. The match for the Slater Trophy resulted in a draw, four matches each. By virtue of being the holders the Section retained the Trophy.

Handicaps

The following changes of handicaps has been made:—J. Doull 10 to 8, M. Barrett 11 to 7, C. Martin 10 to 9.

Winter Programme

We are again hoping to hold a series of lectures in the clubhouse of the Horsforth Golf Club, which has proved such a successful meeting point in the past. Members will be circularized, in due course, of the dates.

New Members

We welcome to the Section the following new members:—A. Wilde, 11 Sandringham Road, Wetherby (Wetherby Golf Club); G. Hollingworth, 29 Half Mile Close, Stanningly, Leeds (Horsforth Golf Club); A. Young, 75 Main Street, Shadwell, Leeds 17 (Leeds Golf Club); E. Readshaw, 14 East Parade, Ilkley, Yorks. (Vice President).

SHEFFIELD

Chairman:
G. HERRINGTON
(Lindrick)

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

Slater Trophy

The Annual Match against the Northern Section was played at Rotherham Golf Club, by kind permission of the Captain and Committee. The weather was perfect and the course in magnificent condition, thanks to the labours of Harry Herrington and his staff.

The final result was a tie at four matches each and so the Northern Section, being the holders, retain the Slater Trophy.

Results

Individual results with Northern Section names first:—K. Driver and W. Heeles lost to Mr Haynes and A. Spencer 2 and 1; D. Roberts and S. Baxter beat C. Chappell and J. D. Clark 4 and 3; G. Bennison and A. Robertshaw lost to Mr Shardlow and A. Goldthorpe 5 and 4; R. Lewis and C. Cressey lost to R. Kipling and B. Lunn 4 and 2;

M. Barrett and C. Ramsden beat G. Herrington and L. Carless 4 and 3; G. Mason and J. Scott beat R. N. Maltby and E. Palmer 5 and 4; C. Garnett and A. Burge beat H. Herrington and H. Gillespie 6 and 5; R. Elmsley and R. Lambert lost to C. Colton and D. Chappell 2 up.

Coach Cup

The Coach Cup Trophy was played in the morning before the Northern Match over the second nine holes. The Stableford competition was won by E. Palmer of Abbeydale with 18 7/16 points, scoring at every hole except the last.

Leading scorers were:—E. Palmer, 18 7/16; G. Herrington, 17 3/4; L. Carless 16 9/16; D. Chappell, 16 1/2; C. Colton, 15 3/4.

Lectures

A change has had to be made in the venue of our lectures. These are now held at the Hare and Hounds Hotel, Nursery Street, Sheffield, on the third Thursday in each month.

Congratulations

Congratulations to J. Waddoups, formerly of the Abbeydale Golf Club, who has taken over at Scunthorpe Holme Hall Golf Club.

New Members

We welcome to the section C. Hawke and D. Cheetham, both of Hillsborough Golf Club.

NORTH-WEST

Chairman:
D. PATE
(Royal Birkdale)

By H. M. Walsh
Hon. Secretary:
Horrobin Cottage,
Old Links Golf Club,
Montserrat, Bolton, Lancs.

Autumn Tournament

Our thanks are due to the Captain and Council of the Swinton Park Golf Club for their kindness in granting us the courtesy of their course and the facilities of the clubhouse, for their generosity and the very warm welcome extended to us on the occasion of our Autumn Tournament. A really wonderful day was had by all. I wish also to extend our sincere thanks to Mrs Brown for the excellent meal provided, to the general ground staff for the good condition of the course, to Mr G. Vaughan for the very good work he put in re the taking of the monies and keeping the score sheet up to date. Our thanks, indeed our very sincere thanks, to all the prize donors, both individual and of the trade. Thank you once again. Prizes were presented by the Captain, Mr Brownhill, who extended to us on behalf of himself and Swinton Park Golf Club a very warm welcome.

Prize Winners

The prize winners were as follows:—

Scratch prize, E. Walsh, gross score 112 (trophy and golf shoes); 1st nett, A. Holmes, 108 1/2 (Ransomes Trophy and watch); 2nd, E. Walsh, 112 (cigarette box); 3rd, A. Fyles, 112 1/2 (table lighter); 4th, O. P. Jones, 115 (table lighter); 5th, R. Fielding, 115 (coffee set); 6th, D. Pate, 116 (umbrella); 7th, J. Robinson, 117 1/2 (eiderdown); 8th, F. Halstead, 119 (1 doz. golf balls); 9th, W. Bridges, 120 1/2 (fruit tray); 10th, R. Vickers, 121 (table lighter); 11th, J. Rhodes, 121, clock; 12th, E. Macavoy, 122 (clock); 13th, G. A. Hall, 122 (cigarette lighter); 14th, J. Gillett, 122 1/2 (holdall); 15th, B. Ellis, 123 (stainless steel dish); 16th, R. Hayhurst, 124 (travelling clock); 17th, R. Janouskis, 124 (whisky); 18th, D. Robinson, 124 (whisky); 19th, J. Catlow, 125 1/2 (1 doz. golf balls); 20th, D. Macavoy, 127 (chair back covers); 21st, K. Holmes, 128 (50 cigarettes); 22nd, E. Drage, 128 (50 cigarettes).

Over 50s Cup was won by A. Fyles and visitors' prizes were won by M. Maybury, 72 nett (1 doz. golf balls); T. Leech, 73 (1/2 doz. golf balls).

Lectures

The November talk will be given by G. Vaughan, of Ransomes, Sims & Jefferies Ltd. Venue: Brunswick Hotel, Piccadilly, Manchester. Date: 23rd November at 7.30 p.m. Can we once again have another good attendance, please.

I have now completed our list of speakers for this series as follows:—23rd November, G. Vaughan; 7th December, P. Wyatt, of H. Patissons; 5th January, Mr O. Downhill, of Chimam Chemicals; February, Mr Cogan, of Flymo; 15th March, Mr Faulkner, of Supaturf.

New Members

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

H. Druckett (Kendall Golf Club), D. McNicol (Chorlton-c-Hardy G.C.), K. R. Bruckshaw (Romily G.C.), A. A. Holmes (Windermere G.C.), J. Leonard (Prestbury G.C.), Charles Gibson (Prestbury G.C.), G. Leonard (Prestbury G.C.), A. Leonard (Prestbury G.C.), W. Lawson (Heswall G.C.), S. Hislop (Heswall G.C.).

N. Snailham from the North-East Section to Windermere Golf Club.

WELSH

Chairman:
M. GEDDES,
23 Fenton Place,
Porthcawl, Glamorgan.

By S. A. Tucker
Hon. Secretary:
36 Clase Road,
Morriston,
Swansea, Glam.

Autumn Meeting

Our Autumn Meeting was held on the 23rd September at Langland Bay Golf Club.

The weather was excellent and the course was in wonderful condition, thanks to Jack Moore and his staff. Also many thanks to the Steward and Stewardess for the way they looked after us with solid and liquid refreshment. It is many years since we played there and the course has been extended in length and layout. One gentleman I would like to thank is Mr Neil Prior, of Sutton & Son, for the wonderful work he did for me with the cards, etc. I felt I could go and play the game with no worry about the work I had left for him to do inside. Thank you, Mr Prior.

Prize Winners

The following were the prize winners:—

1st prize and President's Shield was won by A. Price of Carmarthen Golf Club with a nett aggregate of 103 for 28 holes.

2nd prize, a Ronson Lighter, given by Pattison & Co. Ltd., was won by E. J. Thompson with a nett 103½.

3rd prize, a bottle of whisky, given by R. S. Bird, Vice-President, was won by J. Rees, with a nett 106, won on the last 9 holes.

4th prize, a bottle of gin, won by S. Tucker with a nett 106.

Many thanks to our able trade firms, golf clubs and people who have helped to make our meeting such a success — again many thanks to you all.

(contd. from p. 8)

of golf course turf the potential development of serious problems.

Challenge to superintendents!

The superintendent will, as in the past, be expected to meet the new challenges on his horizon. Again, he will be aided by research, education and the men providing services, equipment and products. Tools now at the disposal of the golf course superintendent will become even more sophisticated. It will be up to the superintendent to master these tools, recognize increasingly complicated production problems, supervise the operation of engineering marvels of equipment, provide in-service training for employees, and plan and organize functional work programs. He remains the key to turn the technical advances in his field into industrial progress. All phases of future turf industry growth will provide the opportunities for professional advancement. How well he

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can perform the complicated and demanding tasks placed upon him will determine whether he will sink or swim in the area of golf course maintenance.

*With acknowledgements to
the "Golf Superintendent"*

California Greenery

In the United States, *California ranks first in total number of golf courses.* The state's 663rd course was recently opened for play at Carmel. That was the same course honoured as the 10,000th in the country. New York—with 641 courses—is running a close second, followed by Pennsylvania with 567, Illinois with 464, and Michigan with 460.

But while California has the most courses, the Pacific coast area also has the highest ratio of players per course with 36,982. Other areas of the United States shape up like this: South, 21,801; North-east, 20,190; South-west, 18,733; Mid-west, 14,721; and Mountain, 14,092.

SITUATIONS VACANT

UPMINSTER GOLF CLUB require experienced Greenkeeper; prospects of advancement are good and whilst no accommodation is available at present a lodging allowance can be made; wages by negotiation. Apply W. B. Dunn, Secretary, Upminster Golf Club, Hall Lane, Upminster, Essex.

CARNOUSTIE TOWN COUNCIL require two Assistant Head Greenkeepers. Applicants must have considerable experience of greenkeeping in all its aspects. N.J.I.C. salary scales will apply (maximum £1,170 per annum). Age 25-40 years. Good prospects. Rented accommodation will be made available. Applications in writing to E. Kerr, Town Clerk, Carnoustie, within one month of the date of appearance of this advertisement.

HEAD GREENKEEPER WANTED FOR LINKS COURSE. Salary up to £1,500 per annum plus house. Applications to the Hon. Secretary, Cleveland Golf Club, Redcar, Yorks.

Wanted: experienced working Greenkeeper to construct and maintain, under professional guidance, a new nine-hole course. Accommodation in clubhouse can be provided. Preference will be given to married man with wife prepared to undertake part-time duties in clubhouse.

Apply, giving particulars and salary required, to Secretary, South Pembroke Golf Club, Defensible Barracks, Pembroke Dock, Pembro.

HEAD GREENKEEPER

required

due to retirement of present Greenkeeper after 48 years' service. Salary according to qualifications.

Accommodation to be arranged

Apply stating experience and qualifications to:—

**THE SECRETARY
THE GOLF HOUSE CLUB
ELIE
FIFE.**

ST GEORGE'S HILL GOLF CLUB

require a

HEAD GREENKEEPER

St George's Hill Golf Club require a Head Greenkeeper on the retirement of the present Head Greenkeeper after 24 years of service on 31st March 1971.

This is a job for a really experienced greenkeeper with, preferably, a knowledge of heather and pine courses. He will be supported by a first-class greens staff.

A rent-free house near the course — heating, light and rates all paid for — goes with the job. Salary is negotiable.

Please apply stating age and experience to:

The Secretary, St George's Hill Golf Club, Weybridge, Surrey.

new Ransomes Junior Motor Triple

73" CUT

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The '73" cut' Junior Motor Triple is the latest addition to the Ransomes family of power-driven gang mowers. A compact weather-beater with ample power where you want it - at the cutting cylinders.

Low cost, high work-rate performance with a minimum of operator fatigue will appeal to Golf Course Administrators responsible for the cutting of golf course tees and approaches.

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