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—SIDNEY BRODY.

## AUGUST

## CONTENTS

|      |    |                                                    |
|------|----|----------------------------------------------------|
| Page | 3  | TEE SHOTS                                          |
|      | 4  | SYNTHETIC GRASS FOR GOLF:<br>THE OUTLOOK           |
|      | 6  | MIDLAND VISIT TO SUTTON'S                          |
|      | 14 | B.G.G.A. ANNUAL GENERAL<br>MEETING AGENDA          |
|      | 15 | COURSE PREPARATION SAVES<br>RULES TROUBLES. PART I |
|      | 16 | NEWS FROM SECTIONS                                 |
|      | 19 | SITUATIONS VACANT                                  |
|      | 19 | SPECIAL OCCASIONS                                  |
|      | 20 | MRS GREENKEEPER                                    |

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# TEE SHOTS



by the Editor

## All Change

Greenkeepers in the Sheffield area have perhaps been treading warily over their prized greens during the last few weeks. Mr Lomas, secretary of Phoenix, has recently sown the suggestion that Clubs should change their greenkeepers at frequent intervals. His idea of a pool of greenkeepers from which a club selects one for 18 months, is based on the observation that the standard of courses invariably goes up with a new greenkeeper. Mr Gillespie, of Hillsborough, has protested that 18 months is hardly long enough to get to know a course. One might add that the habit of change might perhaps kill an incentive very largely fired by the wish to stay put.

## Recognition

However, the Scarcroft Golf Club is certainly in no doubt about the value of their head greenkeeper's stay. No less than 21 years' service to the club by Geoffrey Mawson and Dick Chalk (pro.) provided the occasion for a dinner. They were both presented with a clock and a pipe. I am sure all of us would wish the partnership to continue for many more years.

## Training

Earlier this month, Bingley held its first course for employees of sports ground and landscape contractors. The course was attended by 15 and consisted of lectures, practical work and demonstrations of much of the specialised equipment needed for this work.

A new pattern of industrial training is taking shape under the provisions of the Industrial Training Act, 1964 whereby training boards established under the Act impose a levy on employers and make grants to those who provide approved courses. The one held at Bingley was arranged at the request of the British Association of Sports Ground and Landscape Contractors with the approval of the Construction Industry Training Board.

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# SYNTHETIC GRASS FOR GOLF: THE OUTLOOK

By ROBERT SOMMERS

IMAGINE this scene:

It is maybe 20 years in the future. The golf course superintendent is briefing his crew on the day's work.

"Hennessy," he says, "clear the debris from the creek bed on No. 2, rake the bunkers on the first four holes, and you, Miss Enchantment, follow along behind and vacuum the tees and greens."

I beg your pardon: did you say "vacuum"?

"Yes, I did, and why should you beg my pardon?"

Because, for one thing, I never heard of a golf course with an upstairs maid; and for another thing, I never heard a golfer complain about dirty grass.

"Where have you been, man? That isn't grass; we haven't had real grass on our tees and greens in gosh knows how long. This is synthetic turf. No water, no fertilizer, no crabgrass, no *Poa annua*, no aerifying, no mowing and no worries. Run the vacuum over it once a week and you don't even get moth holes."

Yes, but it isn't GRASS, and golf is supposed to be played on grass.

"Now look here, Old Timer, so was football supposed to be played on grass. So was baseball and so was soccer. At least, that's what they used to say. They haven't played a real major league game on grass since . . . well, I can't remember. Of course, they still play that Hall of Fame game up at Cooperstown on real grass every year, just for old times' sake, and Princeton and Rutgers get together for a jayvee football game sort of to commemorate the days when uniforms sometimes got muddy.

"Nowadays nobody would think of playing a REAL football or baseball game on grass. For one thing, they're playing soccer in the afternoon, baseball at night and football every week-end in the same stadium. Grass just won't take that kind of punishment.

"As for golf courses, since most country clubs installed floodlights, there just isn't enough time to take care of the tees and the greens the way the superintendents used to. Too many people are

playing now, and my crew would only be in the way if they keep fooling around on tees and greens. Why, at the last Board of Directors' meeting somebody started talking about synthetic fairways.

"That's awfully expensive right now, but you'd never have to worry about a bad lie."

Apocryphal or prophetic? It could be both.

The fact remains that a sizeable evolving industry is devoted to the development of artificial grass. At present the cost of the most realistic product is quite high for golf purposes but with improved methods of manufacture it may be reduced. Whatever the cost, it is not stopping the promotion of the material.

A spokesman for one manufacturer claims it is the aim of his company to put its product "on the tees and greens of every golf course in America".

That would be expensive. His "grass" costs \$1.15 per square foot plus an additional installation charge of \$22 per square foot. A green of about 6,500 feet is average, which means that one average green would cost \$8,905.

This is just one of the difficulties faced in attempting to sell synthetic grass to golf courses. The principal obstacle is the fact that it is an unnatural substance. As the man above said, it just isn't grass. Naturally, there's no way to overcome that objection through technical means, but some of the others may be beaten.

For instance, while synthetic turf offers a uniform putting surface, artificial greens won't hold a shot nearly as well as a green of natural turf. On teeing grounds, tripod tees must be used because peg tees won't penetrate the surface without causing damage.

At the moment, the most enthusiastic developer of grass for golf course use is Monsanto. Thomas Pride Mills has developed a product called Sassygrass, which it claims can be used for putting greens. Burlington Mills Inc., of Burling-

ton, Wis., produces a felt-like material used mainly for miniature golf courses. American Biltrite Company has a material which it is promoting for use on tennis courts.

Both Sassygrass and the Burlington Mills product are composed of a carpet-like fiber called Herculon, manufactured by Hercules Incorporated. Crown Tuft Carpet, Inc., uses Herculon to produce Instant Turf. However, Instant Turf and Sassygrass are more carpet-like than grass-like.

Monsanto's AstroTurf and American Biltrite's Neo-Turf, however, are more characteristic of grass. AstroTurf is made of nylon monofilament attached to a rubber-like base. It is made in different densities and textures for different purposes. For instance, the substance that covers the floor of the Astrodome in Houston, Texas, is different from the substance that covers a teeing ground at the Decatur, Ala., Country Club. Both the stadium turf and the teeing ground turf have a built-in grain.

Synthetic turf for greens is less dense and has no grain. The strands are also longer, measuring three-eighths of an inch. Greens at the United States Open Championship are cut to three-sixteenths of an inch, but don't draw any wrong conclusions from those measurements. An Astro-Turf green such as the one at Decatur Country Club is every bit as fast as the greens at Oakmont Country Club, which are generally considered the fastest in America.

Monsanto has taken one of its offices in the Empire State Building in New York City and laid out a seven-by-15-

foot practice putting green for demonstration purposes. Executives often nip into this room for a few practice strokes. It takes a delicate touch to keep the ball on the "green" and causes one to wonder what would happen on a downhill putt.

Queries to every known manufacturer of synthetic grass have shown that no product is completely ready for golf course use. Monsanto believes it has solved the problem of relocating the cup on each green but it will continue to work on two other fundamental problems.

First, the holding properties will have to be improved. Shots hit to the present green bounce off as if from a trampoline.

Second, the height of a golf ball sitting on a tee peg is a matter of individual preference. Some players like it teed high, others low, still others medium. With the present, non-porous turf we'd have a nation of conformists—everybody just medium. Eventually the AstroTurf manufacturer expects to produce a backing to the nylon filaments that will be porous enough that a wooden peg can be stuck through it.

Both those problems are considerably more difficult to solve than the matter of moving the cup. As Monsanto sees it, each green will come equipped with about five pre-selected cup locations. Holes will be cut, and each hole will be capped and a round piece of turf stuck to the top of the cap. To move the cup, you just take the cap off one cup and put it over the old pin location. Simple.

Even if a turf can be made that meets the test of holding a shot and taking a wooden peg tee, it still must pass a few

*(Continued on page 8)*

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Dear Mr Palin,

May I, on behalf of the above section of the Greenkeepers' Association, tender our thanks for your kindness, and that of Sutton's Seeds Ltd., for the conducted tour of the Trial Rounds, Laboratory and Seed Warehouse, on Tuesday, 13th June.

Will you also convey our thanks to Mr Owen Sutton for his extended kindness, the directors for the reception on our arrival, and lunch and tea during the day, and to Messrs Rixon, Bowman, Luxton, Jenkins and Hurdley for their most interesting demonstrations and talks during the tour of the establishment.

We were also delighted to meet Mr Hunt and Mr Prior, who as you know are greatly respected for their past help to us in the Midlands. We are holding our autumn tournament at the Moor Hall Golf Club, Sutton Coldfield, on the 19th September and should be very pleased to have Mr Prior with us as a guest for the day.

Once again, my personal thanks to you, Mr Palin, for the most courteous way in which you received us and took care of everything during the visit.

Trusting you are well,

Kind regards,

R. J. PUGH.

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### BRITISH GOLF GREENKEEPERS' MIDLAND SECTION VISIT SUTTON'S AT READING



*A group taken in front of the main office*

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(Continued from page 5)

others before it will be welcomed with enthusiasm universally.

How long will it last? A green that costs \$9,000 should last a good long time, you'd think. As the situation stands now, it will take a good long time to find out; the stuff just isn't that old. Monsanto, for instance, began developing its product in 1961.

But some synthetics have passed rather intriguing tests. For instance, Evergrass, a French import marketed in the United States through Pegasus International Corporation, is a polyethylene product. Since 1962 a segment of Evergrass has been subjected to "fadeometer" tests in a place guaranteed to fade anything that's not fade resistant—the Sahara Desert. Pegasus literature claims it is still "fresh and green in spite of sun, wind, and sand".

How well it would wear as a putting green is still open to speculation.

Monsanto is studying the results of traffic on the green and tee at the Decatur Country Club and a similar green installed on the grounds of its textiles division in Decatur.

Again working with average figures, it costs about \$1 a square foot to install a regular grass green according to specifications recommended by the USGA Green Section. This would mean that a 6,500-square-foot green would cost \$6,500, which is \$2,405 less than a synthetic green of AstroTurf. It is estimated that maintenance of greens costs about 22 per cent of a golf course budget.

The accounting firm of Harris, Kerr, Forster and Company conducted a statistical review of the operations of 100 selected clubs and published those figures

in *Clubs in Town and Country*, 1965-1966. According to the survey, the budget for an average 18-hole golf course is in the neighborhood of \$71,526, and 22 per cent of that is \$15,734, or about \$875 per green per year.

If an Astro Turf green would last three years with little or no maintenance costs, it would reach a state of parity, cost-wise, with real grass. Other materials cost considerably less. Herculon materials for instance, are priced from \$.65 to \$.75 per square foot.

The development of these synthetics has not gone wholly unnoticed among agronomists and others concerned with golf course grass. As may be expected in response to such seemingly revolutionary approaches to turf problems, opinions are divided.

Dr Marvin H. Ferguson, Mid-Continent Director and National Research Coordinator of the USGA Green Section, takes a dim view.

"The future of synthetics now available," he predicts, "would appear to be almost nil on the golf course. However," he adds, holding out a hand of hope, "we're just starting with synthetic turf materials and they are certain to be improved". With this improvement, Dr Ferguson sees some benefits. "Future benefits would be that of uniformity of the surfaces of tees or greens."

Alexander M. Radko, Eastern Region Director of the USGA Green Section, believes synthetic grass can be a definite asset "in areas where plant material will not grow. Synthetics will never take the place of turf in areas where it is possible to maintain good turf, but they may be satisfactory for problem areas."

(Continued on page 12)

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| Berk Clover Killer<br>CMPP                                                                                                       | 6-8 pints per acre                                                                                            | Warm dry weather during<br>early Autumn                                                  | 20-50 gallons of<br>water per acre                                                       |
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(Continued from page 8)

Radko then proposes that synthetics could be used for another specific purpose. "On Northern courses, for example, synthetics may make very good winter greens."

William H. Bengeyfield, Western Director of the USGA Green Section, raises some questions that still must be considered:

"When used under actual playing conditions outdoors, the synthetic material must also be able to resist the eroding qualities of water, sunshine, smog, chemicals, vandalism and, unquestionably, other factors that haven't come to mind yet. For example, how will a synthetic cover behave in the outdoors over a 12-month period which includes high summer temperatures as well as the effects of thawing and freezing during the winter months? Will it really stand up under all types of weathering effects?"

Bengeyfield raises two other points, one that may have adverse effects on architecture, and another that may affect putting and be welcomed by golfers. He says:—

"The use of synthetic grass on putting greens will place some restriction on the golf course architect in designing and contouring a green. Even on grass greens, good surface drainage is extremely important and would be critical on a synthetic green."

Synthetics as they are now made rely on run-off drainage; water doesn't seep through those most suitable for greens. Therefore, if a puddle collects on a low spot, it could stay there until it evaporates.

Bengeyfield also believes that with cup locations standardized on each green, putting would become relatively more easy for the member who plays frequently:

"I would imagine a one-putt green would become more common, not because of improved putting skills but because the player has learned all of the breaks in a standardized cup location."

Manufacturers interested in the development of synthetic turf for golf course use are aware of these faults and plan further tests, not only for golf courses but also for other areas at country clubs and sports arenas.

For instance, Ohio State University has three seven-by-15-foot "greens"; a country club in New York State installed a synthetic grass path; a club in New

Jersey installed tees; Brown University has conducted tests with tennis courts, a golf green, plus using the material on baseball and soccer fields; the Moses Brown School in Providence, R.I., installed synthetic grass in its field house.

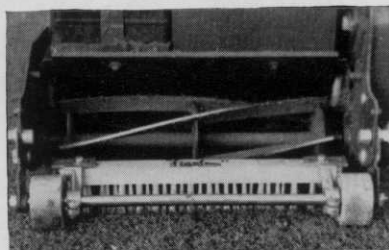
Thus far synthetics have been accepted much more readily for tennis courts. The Vanderbilt Athletic Club, located in Grand Central Terminal in New York City, has two courts made of NeoTurf, a vinyl compound. Cost again is relatively high—almost \$7,000 per court. A tennis court of Sassygrass is about \$2,850 unladen.

Then there's the Houston Astrodome. To carpet the floor of that arena cost about \$340,000.

In golf, the immediate future of the synthetics seems to be as an auxiliary: practice greens, home putting greens, greens at hotels and motels. They probably will be accepted for teeing grounds if the proper backing can be developed, allowing a peg tee to penetrate.

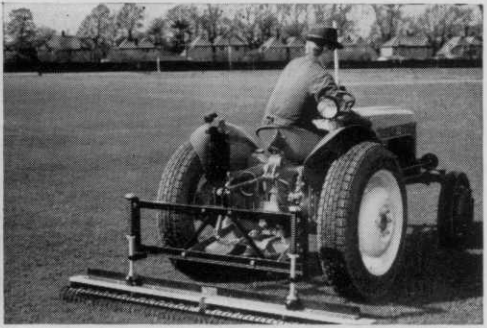
But two things about it are frightening: the price and a downhill putt!

*Reprinted with grateful acknowledgements to the USGA Golf Journal in which it originally appeared in June of this year.*

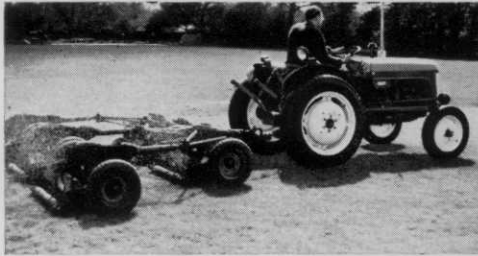


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THE BRITISH GOLF GREENKEEPERS' ASSOCIATION  
ANNUAL GENERAL MEETING  
WALTON HEATH GOLF CLUB  
Monday, 7th August 1966 at 2.30 p.m.

AGENDA

- 1 Minutes of the last Annual General Meeting.
- 2 Annual Report.
- 3 Financial Statement.
- 4 Executive Committee Report.
- 5 Election of Officers.
- 6 Recommendations of the Executive Committee concerning subscriptions, etc., to the Sports Turf Research Institute.
- 7 Any other business.

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SPORTICULTURISTS



## Part I

### COURSE PREPARATION SAVES RULES TROUBLES

By **RICHARD S. TUFTS**

Former President and Former Chairman of Rules of Golf Committee,  
United States Golf Association

**T**HE golf course architect who builds a course and the superintendent in charge of its maintenance have problems and worries enough without thrusting more upon them. One would be inclined to let them go about their business and expect those who play the game to settle their own problems with the Rules of Golf, were it not for the fact that just a little co-operation on the part of the architect and the superintendent can mean so very much to the golfer.

Fortunately, the solution is not too difficult, as indicated by the fact that it has been necessary herein to refer to only some seven of the 34 Definitions and eight of the 41 Rules of Golf. These are the only Rules whose application is even remotely affected by the way in which the course is constructed or maintained. It is the purpose of this article to discuss briefly the relationship between the Rules and course construction and maintenance.

Perhaps the first step should be to dispose of the idea that only for a tournament does a golf course need to be set up carefully to meet requirements for exact observance of the Rules. This is a serious misconception. Golfers should be just as careful to observe the Rules in their friendly matches and in informal club competitions as they are when competing in a tournament of national importance.

#### WATER HAZARDS AND PROVISIONS

For example, the margins of water hazards should always be properly defined by stakes or otherwise (Definition 14d). It is not sufficient for the club members to understand that "the hazard starts where the ground slopes down to the brook". Such an indefinite line is certain to result in sloppy observance of the Rules, as for example, when picking up leaves and sticks (Rule 18), dropping away from a bridge (Rules 22-2b and 31-2), and many similar situations for which the margin of the hazard must be accurately known.

The same practice must be followed for careful day-to-day definition of all those bounds and margins for which the Committee is responsible (Rule 36-6).

If stakes are used for marking bounds and water hazards, they should be placed close enough to one another for the player to locate accurately the line on the ground, and all intervening long grass or bushes should be cleared out in order to obtain a clear line for sighting. Naturally, these stakes should not be placed in such frequently cut areas as the fairway; even in the rough it can be advantageous to arrange for their easy removal when mowing.

*(To be continued in the September issue)*

*Reprinted with grateful acknowledgements to the U.S.G.A. Golf Journal, in which it originally appeared in April this year.*

# News



from the Sections

## SOUTHERN

*Chairman:*  
J. K. GLASS  
(Thorpe Hall)

*By H. Ford*  
*Hon. Secretary:*  
68 Solcombe Gardens  
Mill Hill, N.W.7

### Autumn Tournament

THE CLOSING DATE FOR THE Autumn Tournament at Langley Park will be Monday, 4th September, and the draw on Tuesday, 5th September.

### New Members

We welcome to the section the following new members: J. Flint and S. Borg of South Herts Golf Club and E. Flynn of Reading Golf Club.

Jim Williams of Effingham Golf Club has retired on pension owing to heart trouble. Our best wishes and a long and happy retirement from us all. Jim, who has been in hospital, has been a member for 20 years, and has written to say that his son, who has been appointed head greenkeeper, will be joining the association.

I would like to take this opportunity of thanking all members present at the Annual General Meeting for electing me secretary of the Southern Section. This is a great honour but also a big job as I have already discovered; however I am receiving help from various quarters. Bill Mason has been, as always, extremely co-operative and has helped with the changeover considerably. Thanks too to our president, Mr J. Wallis-Arthur, for getting some forms printed for me.

Last, but not least, all members who have not yet paid their subscriptions can help me by attending to this little matter. Thanking you in anticipation.

## NORTHERN

*Chairman:*  
D. ROBERTS  
(West Bowling G.C.)

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

### President's Tournament

MEMBERS ARE REMINDED THAT THE closing date for acceptance of invitation to play in the competition for the President's Prize at Filey Golf Club on Sunday, 27th August is Saturday, 12th August.

### New Members

We welcome to the section the following new members: J. R. Smith of Cleveland Golf Club, E. Rocks of Middleton Park Golf Club, and P. C. Blacker.

## MIDLAND

*Chairman:*  
G. HART  
(Gay Hill)

*By R. Goodwin*  
*Hon. Secretary:*  
167 Birmingham Road  
Lichfield, Staffs.

### Autumn Tournament

AUTUMN TOURNAMENT AT MOOR Hall Golf Club on Tuesday, 19th September. Will members wishing to play in this event please let me or R. Pugh have their names by Friday, 25th August? Please state if you require lunch and tea. Also if you intend bringing a club official to play in the afternoon invitation event.

### 18 Holes A.G.M. Summer Competition

This was held at the Habberley Golf Club Kidderminster, on Monday, 3rd July.

Due to the kind generosity of Mr F. J. Smith of the Habberley Golf Club we were presented with a splendid new trophy, to be played for on this annual occasion, THE HABBERLEY CUP. The directors and committee of Habberley Golf Club also provided enough valuable prizes for all competitors.

### Results and Prizes

Best gross: J. Greely, 77, bottle of Scotch. Best net: A. Stephens, 66, Habberley Cup and carpet; 2nd, R. Pullen, 67, A.G.M. Cup and carpet; 3rd, H. Drewitt, 68, carpet; 4th, W. Barton, 70, carpet; 5th, W. Boyce, 71, garden seat—presented by Mr Thompson; 6th, T. Jones, 74, golf shirt; 7th, R. Smith, 74, bottle of sherry; 8th, G. Smith, 75, bottle of sherry; 9th, C. Tudge, 75, bottle of sherry; 10th, G. Woodward, 76, bottle of sherry; 11th, E. Benbow, 76, bottle of sherry; 12th, R. Pugh, 78, half bottle of Scotch; 13th, A. Boraston, 79, half bottle of Scotch; 14th, R. Hughes, 79, half bottle of Scotch; 15th, M. Markham, 82, half bottle of gin; 16th, R. Goodwin, half bottle of gin; 17th, L. Greenow, half bottle of gin.

Visitors' Prizes: 1st, R. Ramsden, 68, cheese dish and knife presented by Superturf Products Ltd; 2nd, W. Betts, 68, box of cigars.

The prizes were presented by Mr W. E. Robinson, a director of Habberley Golf Club, who said that he was very happy to welcome us to Habberley Golf Club and was pleased to see a good entry. He also went on to say how pleased he was that this meeting had now become an annual event at Habberley.

Our chairman, G. Hart, thanked Mr Robinson for presenting the prizes and also for the kindness he had shown towards the greenkeepers of the Midland Section. He also thanked the directors and committee of Habberley for giving us the courtesy of the course and for their generosity in giving us so many valuable prizes. He also thanked Mr F. J. Smith for giving us such a beautiful trophy—The Habberley Cup.

Mr Hart then went on to thank Mrs Greely, stewardess, for the splendid meals she had provided us with during the day. He also thanked Mrs Smith, Mrs Pratt, and Mrs Woodhall, lady members, for helping Mrs Greely look after us so well.

He then paid tribute to John Greely, the greenkeeper, for the hard work and long hours he had obviously put in to ensure the course in such fine condition.

Mr Hart concluded by saying he felt sure all those present today would be looking forward to this fixture next year.

#### Midland Section A.G.M. 1967

This took place at the Habberley Golf Club on Monday, 3rd July.

There were 23 members present. Apologies were received from our president, Mr Carl Bretherton, vice-presidents Mr R. Parker, Mr E. Ballinger, Mr B. Bond, Mr W. Payne, Mr K. Sargeson. In the absence of our president, the section chairman, G. Hart, officiated.

On the proposition of R. Pugh, seconded by G. Woodward, the minutes of the last A.G.M. were passed.

The Balance Sheet was passed on the proposition of H. Drewitt, seconded by W. Barton.

Secretary's Report passed on the proposition of R. Smith, seconded by G. Woodward.

Mr Carl Bretherton was unanimously re-elected President on the proposition of H. Drewitt, seconded by G. Smith.

The Vice-Presidents were re-elected en bloc; with the addition of Mr W. E. Robinson, Mr W. E. Higham, J.P., Mr J. F. Smith, Mr W. P. Hunt, Mr R. Ramsden, Mr J. H. Smith, Mr David Davies, and Mr Rod Davies.

G. HART was re-elected *Chairman* on the proposition of R. Smith, seconded by G. Woodward.

H. DREWITT was elected *Vice-Chairman* on the proposition of A. Stephens, seconded by W. Barton.

R. GOODWIN was elected *Secretary* on the proposition of F. Cashmore, seconded by W. Barton.

R. PUGH was elected *Competition Secretary* on the proposition of W. Barton, seconded by G. Woodward.

F. CASHMORE was elected *Treasurer* on the

proposition of W. Barton, seconded by J. Greely.

R. GOODWIN was elected as *Representative to the Executive Committee* on the proposition of R. Smith, seconded by G. Woodward.

W. Barton, E. Benbow, T. Jones, V. Smith, G. Woodward, A. Boraston, G. Smith, W. Mason, and J. Greely were elected to form a Committee.

Mr K. Sargeson and Mr E. Ballinger were re-elected auditors with a hearty vote of thanks for their past services.

The chairman expressed his sincere thanks to our president, Mr Bretherton, for the splendid support and interest he had taken in the activities of the section over the years. The chairman's remarks were unanimously supported by all.

The chairman concluded by expressing a vote of thanks to F. Cashmore, R. Pugh and R. Goodwin for their efforts over the past year.

## SHEFFIELD

G. HERRINGTON  
*Chairman:*  
(Lindrick)

By H. Gillespie  
63 Langsett Avenue  
Sheffield, 6

#### S.U.G.C.

EIGHTEEN GREENKEEPERS ACCOMPANIED by 10 club officials turned up at Hallamshire on 19th June to take part in the Sheffield Union's Annual Competition for Greenkeepers. Whilst thanking Mr Wilkinson, the union secretary, for the organisation of this event, one feels he deserves more support both from our members and club officials; a lot of work goes into the organisation of these competitions and poor support is a bitter disappointment.

The weather was perfect, the sun shone and for once the wind didn't blow—it must have been one of the few days it doesn't at Hallamshire; Jock and his staff provided a good course which brought some good scores.

J. Walker and Mr F. Gabbitas, 64 net; J. Lomas and Mr T. Sylvester, 66 net, G. Travis and Mr G. Nunn, 71 net on last nine holes. R. Whitehead and Mr W. Hay, 71 net.

#### N.A.G. Exhibition

The Sheffield branch of the groundsmen's association are running a trip to Motspur Park for the annual exhibition and have very kindly offered us the chance to join them. If anyone is interested in joining this outing, please let me know; final details are not available yet, but provisionally are: leave Sheffield approximately 7.00 a.m. on Tuesday, 19th September, and returning on Wednesday, 20th in time to catch last buses from town. It is proposed to call at some place of interest on the outward journey; it is not decided where yet, and visit the exhibition on the Wednesday. The approximate cost is £3 inclusive fare, bed and breakfast, the cheapest £3 worth available today. Come on, chaps, join in!

## WELSH

*Chairman:*  
M. GEDDES  
(Royal Porthcawl)

**By S. A. Tucker**  
*H/Sec. and Treasurer:*  
36 Close Road,  
Morrison  
Swansea, Glam.

### Annual General Meeting

OUR ANNUAL GENERAL MEETING was held by kind permission of the captain and committee of the Royal Porthcawl Golf Club on the 20th June 1967. It was held in conjunction with the secretaries' meeting. We had a very large attendance and owing to it being a wet morning we held our A.G.M. then and played our 18 holes of golf in the afternoon when I am pleased to say the weather turned out much better but with a high wind blowing across the course it made some holes very tricky. The prizes went to the following: 1st—D. G. Lord, net 73, the John Duncan Cup and a gold watch given by Ransomes, Sims & Jeffries; 2nd—B. D. Jones, net 76, John O'Gorman Cup and a pair of golf shoes given by our president. The third prize was a tie with 78 net, P. Evans winning on the last nine and he received a holdall given by D. H. Jones, one of our players, who, through illness could not attend. S. A. Tucker received a lighter given by H. Pattison & Co. Ltd. 5th—M. Rees, china tankard given by Cannock, Staffs. Our first-year Prize was won by G. Cox with an 87; he received two pairs of socks given by the pro. at the Royal Porthcawl Golf Club.

We are very grateful to the Trade and individual people for giving us such wonderful prizes.

We all hope that D. H. Jones will not be long before he is back in action again. Good luck, Don.

## EAST MIDLAND

*Chairman:*  
F. FROST  
(Derby G.C.)

**By S. Fretter**  
*Hon. Secretary:*  
20 Woodcote Road  
Kingsway  
Narborough Road South  
Leicester

### Autumn Tournament

THE AUTUMN TOURNAMENT WILL be held at the Wollaton Park Golf Club on Tuesday, 12th September 1967. First tee 12.45 p.m. Will all members wishing to play and requiring a meal please contact A. Thornton, Esq., 15 Trent Road, Beeston, Notts., by the 4th September, as I shall be away on holiday.

### Annual General Meeting

The Annual General Meeting will be held at the Anchor Hotel, Hathern, on Wednesday, 16th August at 7.30 p.m., when all members are required to attend.



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to the Litamisa**

Link the Litamisa to your tractor and collect litter, leaves and grass cuttings from fairways, semi-rough and access roads in one, clean sweep.

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# NORTH-EAST

Chairman:  
J. SIMPSON  
(Ponteland G.C.)

By **D. Earsman**  
Hon. Secretary:  
Arcot Hall Cottage  
Dudley  
Newcastle on Tyne 3

## Annual General Meeting

OUR ANNUAL GENERAL MEETING was held on Saturday, 1st 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 the members for their support during the past year.

Report on the year's working was given by the secretary and treasurer and was considered satisfactory. Paying members, 58 and two honorary members making a total of 60.

Officers elected for the ensuing year were as follows: president, L. A. Jones, Esq.; vice-presidents were returned en bloc.

Chairman, J. Simpson, Esq.; vice-chairman, R. H. Nicholson, Esq.; secretary and treasurer, D. A. Easman, Committee: Messrs T. Nutman, N. Fraser, L. Lowery, T. Kirkley, R. Derham, T. Oliver, W. R. Harker, J. Taylor, P. Watson, G. Earl, D. Holmes, G. Jeffries, J. Snowden. 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 Lowery for his help with the cards at our golf competitions, and our vice-chairman, R. H. Nicholson, for his work with the sweep tickets.

We welcome to the section the following new member: T. Robson.

Will all members please note that subscriptions for 1967/68 are now due.

## SITUATIONS VACANT

**GENERAL HANDYMAN TO ASSIST** on 18-hole course with 400 members. Wife to take over complete catering arrangements. Capable of day-to-day catering and for medium to large-scale functions. Modern 2 bedroom centrally heated flat over the clubhouse available rent free, plus retainer for wife and all catering profit. Full particulars, together with two recent references to The Secretary, Swinden Golf Club, Ogbourne St George, Marlborough, Wilts.

## LONDON BOROUGH OF BROMLEY Parks Department

### HEAD GREENKEEPER

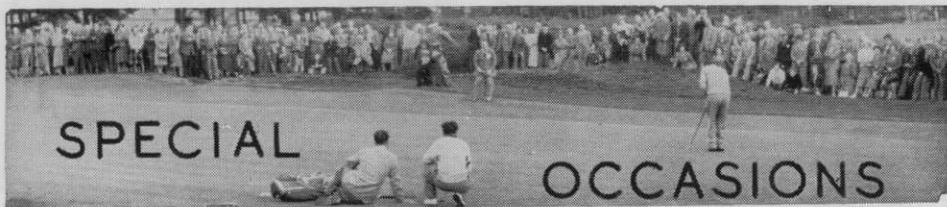
(High Elms Golf Course, Downe)  
Misc 5 (£935—£1,025)

Applicants should be suitably qualified, experienced and possess sound training in the construction and maintenance of golf courses and the control and supervision of staff. Housing accommodation will be available if required.

Application forms from the Establishment Officer, Town Hall, Bromley, Kent, quoting ref. 12/12. Closing date 21st August 1967.

## MISCELLANEOUS

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|                  |                                                      |                                                                                                                                                                                                                                                                                                                                                              |
|------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AUGUST</b>    | 7th, 8th, 9th<br>27th                                | Annual Tournament — Walton Heath.<br>Northern President's Match — Filey G.C.                                                                                                                                                                                                                                                                                 |
| <b>SEPTEMBER</b> | 12th<br>14th<br>19th<br>19th<br>21st<br>22nd<br>28th | Midland Autumn Tournament — Moor Hall G.C.<br>Southern Autumn Tournament — Langley Park G.C.<br>East Midland Autumn Tournament — Wollaton Park G.C.<br>Sheffield Trip to N.A.G. Exhibition.<br>Northern Match with Sheffield — Otley G.C.<br>Midland Annual Dinner — Merry Vale Hotel, Langley Green.<br>North-East Annual Competition — Northumberland G.C. |
| <b>OCTOBER</b>   | 4th<br>4th<br>26th                                   | Welsh Autumn Meeting — Pennard G.C.<br>North-West Autumn Tournament — Haydock Park G.C.<br>Northern Autumn Tournament — Alwoodley G.C.                                                                                                                                                                                                                       |

# *Mrs Greenkeeper's Own Corner*

*with Ann Mawson*

Tomatoes should be plentiful, so I thought this month I would send you recipes for them.

## **Tomato Ketchup**

A little cayenne pepper, 1 dessert-spoonful of whole allspice, 1 dessert-spoonful of cloves, 4 oz of shallots, 2 oz of salt, 4 lb of small ripe tomatoes.

Cut the tomatoes into slices and lay them in a deep pan or jar. Sprinkle the salt in between the layers. Let them stand for 24 hours. Pour the juice from them, and boil it with the peeled and sliced shallots, and the spices (ties in a muslin bag) and the cayenne pepper. Sieve the tomato pulp and add it to the juice. Boil all together for half an hour. When cool take out the bag of spices, squeeze it well, and pour the ketchup into warmed bottles. Cork securely.

## **Tomato Omelette**

Salt, pepper, 4 well-beaten eggs,  $\frac{1}{2}$  a cupful of milk, 1 heaped tablespoonful of flour (plain), 4 ripe tomatoes.

Peel the tomatoes and chop them small. Slake the flour with the milk, and add to this the well-beaten eggs and the pepper and salt. Add the tomatoes, and mix all together thoroughly. Fry the omelette on one side and then fold in two. Slide on to a hot plate and serve immediately.

To serve two people.

## **Tomato and Sausage Meat**

This makes a very nice breakfast dish, and the sausage cakes can be prepared the day before.

Chopped parsley, scrambled eggs, a little fat, a little flour (plain), 4 oz of sausage meat, 4 large tomatoes.

Cut each tomato in half. Shape the sausage meat into flat cakes, the size of the tomatoes, and flour them lightly. Fry in a little hot fat, until brown on both sides. Place a sausage cake between two halves of each tomato, and put in a greased piedish. Bake until the tomatoes are cooked (but not soft enough to collapse). Serve each one on a hot plate surrounded by scrambled eggs. Sprinkle over a little chopped parsley.

To serve two people.

## **Tomato Surprise**

A little grated cheese, 4 eggs, salt, pepper, 4 tomatoes.

Scoop out the pulp of firm large tomatoes, and sprinkle the insides with pepper and salt. Break an egg into each tomato shell, and top with a little grated cheese. Bake for 10 minutes in a moderate oven. Serve with bacon for breakfast if liked.

To serve four people.

## **Tomato Savoury**

A little butter, salt, pepper, 1 onion, 1 lb of tomatoes, 8 oz of boiled rice.

Have the boiled rice ready. Peel and slice the tomatoes and the onion. Grease a piedish and put a layer of tomatoes and a slice or two of onion. Season well and cover with a layer of rice. Repeat until all ingredients are used up, finishing with a layer of tomato. Dot a little butter on the top, cover with a lid and bake for 20 minutes. Take off the lid and cook for another 10 minutes. Grated cheese can be used instead of onion, as a change.

To serve four people.

Temperature: Regulo Mark 4;

Electricity 360° F.

—Until September . . .

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"SISIS" Equipment (Macclesfield) Ltd., Hurdsfield,  
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T. PARKER & SONS, Worcester Park, Surrey.

### LEAD ARSENATE

F. KEEP, Ltd., 82-84 North End, Croydon, Surrey.  
T. PARKER & SONS, Worcester Park, Surrey.

**ENQUIRY BUREAU.**—The Editor desires to point out that he will be pleased to answer enquiries from our readers, and forward to them the name and address of the manufacturer or supplier of any particular proprietary article or product used in the construction, maintenance and upkeep of a golf course. Enquiries are coming in from greenkeepers asking for such information. They may, for example, know the trade name of the article or product they wish to purchase, but may not be conversant with the name and address of the actual manufacturer or supplier. The Enquiry Bureau will gladly supply this information, and thus enable the greenkeeper to contact the manufacturer or supplier direct.

**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.

**TRADE REVIEWS.**—The Editor will be pleased to arrange to devote space in our editorial columns to a review of our advertisers' products, etc. Will advertisers please forward details for this purpose.

### LOAMS & MANURES

T. PARKER & SONS, Worcester Park, Surrey.

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RELF & KENDALL, 406 Brighton Road, S. Croydon,  
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Bradford.  
LLOYDS & CO., Ltd., Pennsylvania Works, Letch-  
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