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ISI/5/87/GCCM

GOLF GREENKEEPING

and Course Maintenance

The Official Magazine of the
British Golf Greenkeepers'
Association

Founded 1912

The Association is affiliated to the
English and Welsh Golf Unions

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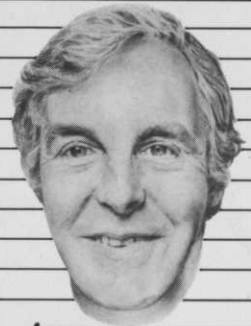
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Greenside Comment...



John Lelean

Another generation - A brighter future

Looking around the golf scene, many of the Head Greenkeepers who returned from serving their country to fight another battle reclaiming their derelict courses from the ravages of sheep, potato fields and the training exploits of the 'Home Guard', will soon be gently moving into retirement.

They are part of the old school of greenkeeping, men who were denied the educational opportunities the youth of today claim as their right. Their 'know-how' came from discussing problems with neighbouring greenkeepers, reading every book and magazine on matters of agronomy and through visits from salesmen picking up the latest information on mechanical equipment.

Not only have they maintained and developed their courses for the past forty years, but latterly have seen a massive increase in play with the accumulative problems that has brought. Compaction, thatch, disease, drainage, are all conditions exacerbated by the increased wear caused by seven days a week golf, even during the winter months.

Their successors, who do not remember the days when golf was played mainly at weekends, will now need to strive for better management of their resources.

The opportunities for business education are available, both through Polytechnics, Evening Institutes and the local library. In time it is to be hoped the Greenkeeper Training Committee will encourage one of the Universities to produce a syllabus for a degree course in amenity turf management, but until that day arrives, the present generation of greenkeepers will need to follow in the footsteps of their predecessors and seek out every opportunity to improve both their 'on course' knowledge and organisational abilities.

A change in government planning policy whereby poor agricultural land previously regarded as sacrosanct 'green belt' can now be released for development could encourage a number of private golf course constructions, particularly if they are linked with a hotel complex and residential housing.

Such a move could only be a step in the right direction for greenkeepers as events have shown it is the commercial undertaking in golf that recognises the worth of the man who manages the course and rewards him accordingly.

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Next Month

TRACTOR REVIEW

Including Golf Greenkeeping's *exclusive* survey of tractor use on the course
Fred Hawtree continues his educational review
New technology for golf course irrigation

Geoff Sadler, Head Groundsman,
Talbooth Hotel & Restaurant, Essex.

Bill Matthews, Superintendent,
Parks & Gardens,
Thanet District Council, Kent.

David Jones, Superintendent,
Parks & Gardens, City of London.

**“From grass to shrubs, from flowers to trees
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David Jones said, “Floranid cut leaching to a minimum so we needed fewer applications. We used it on a wide range of areas including raised shrub and flower beds.”

Bill Matthews was looking for strong, even growth sustained throughout the season. “Floranid more than lived up to my expectations. It produced the hard wearing grass that I needed and also gave me vigorous, healthy shrubs with good colour and appearance.”

Geoff Sadler considers that he has already saved money. “Our grass has to look good. Floranid gave us good colour and rapid recovery even after hard wear but without any excessive growth. Floranid has certainly worked well for us.”

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NEW PESTICIDES SAFETY TRAINING VIDEOS & SEMINARS

Following the introduction of new legislation governing the use of environmental chemicals, May & Baker Environmental Products and Burts & Harvey have produced a valuable new training 'package' for everyone involved in the use of amenity pesticides.

A 14 minutes video film featuring television journalist Howard Stableford, examines the statutory requirements and vividly demonstrates the "do's & don'ts" of handling chemicals.

A 16 page booklet detailing essential safety procedures contains a useful ten-point safety check list as a separate self-adhesive sticker.

Entitled "The Safe Use of Environmental Chemicals", the video cassettes are available for purchase (VHS and Beta format at £46 each or U-Matic at £62).

A copy of the safety booklet and check list is available free of charge on request from May & Baker Environmental Products.

Contact:

May & Baker,
Regent House, Hubert Road,
Brentwood, Essex CM14 4TZ.
Tel: (0277) 230522

A seminar entitled "Pesticide Legislation and the Groundsman" will take place at the Manor House, University of Birmingham, on Thursday 9th April, 1987.

Papers to be presented include 'Legislation and Codes of Practice' by Mrs. H. Hamilton of the Ministry of Agriculture; 'Legislation and the Manufacturer' by Mr. K. Cleverley, ICI 'Pesticides and the Environment' by Dr. M. Anderson, Lecturer in Zoology at the University of Birmingham.

Cost of attendance at the seminar organised by the IOG Birmingham Branch will be £5.00 for Members and £10.00 for non-members.

DO YOU HAVE YOUR WARNING NOTICES?

WHEN APPLYING TURF CHEMICALS

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CLEVELAND TS17 0SX
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NEW WEATHER-MATIC DISTRIBUTOR

Prime Waterman Limited are the newly appointed distributors of the well known Weather-matic range of turf irrigation equipment in East Anglia and South East England.

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Ransomes Sims & Jefferies PLC have a new telephone number with effect from 2nd January 1987 and the following will apply:-

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Fax. No: (0473) 270030
Telex: 98174
Cables: Ransomes Ipswich

Strike at John Deere's causes huge trading loss.

The slump in the western world's farm economy is reflected in the annual report of the John Deere Company who have just announced a massive net loss of 229 million dollars, on their world wide activities.

Part of the loss is attributed to a labour dispute with the United Auto Workers at eleven factory units in the USA, which, added to the reduced sales of farm equipment has produced the worst trading year in the company's 150 year history.

Shareholders are told John Deere intend to move further into 'grounds care equipment'. Last August they announced a new thrust into the golf and turf equipment market and introduced twelve new products especially designed for professional applications. They say they intend to introduce a wide range over the next two years and aim to make John Deere a major

equipment supplier in an expanding market. It is stated that there are currently 14,000 golf courses in the USA and about 400 new ones are constructed each year.

John Deere have a sales division at Nottingham and it is from this base they have already commenced to nibble at the British golf course market.

Last year they introduced three new compact tractor models with considerable success at the Windsor Show. Will it be long before some or all the new products such as the hydraulic gangs are brought into the UK?

Despite the net loss suffered in 1986, a closer look at the balance sheet reveals cash and short term investments totalling over 180 million dollars. Surely enough to keep the 'wolf from the door' for another 12 months and perhaps a bit over for further investment in golf course business.

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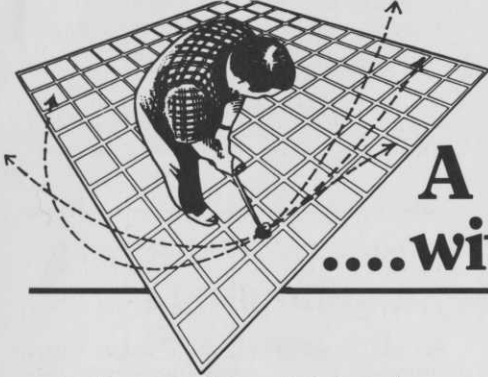


WE'LL BE DELIGHTED TO DEMONSTRATE



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The Incredible Golf Machine



A ROUND AT PEBBLE BEACHwithout leaving the Club-house!

A diagram of the first hole is projected on to the 12 foot by 8 foot screen. After studying the diagram, the first player (whose name will appear in the display panel) chooses whether he or she will tee off from the ladies' mens' or pro's tee. This information is fed into the micro-computer which directs the projector to advance to the appropriate tee. Instantly a full colour picture of the view that would be seen from that tee is projected on to the huge screen. The distance to the flag is shown on the display panel along with the player's name.

Using normal golf balls and clubs the player drives into the high-impact, heat-sealed screen. The distance the ball was hit, to the right or left and the amount of hook or slice is immediately shown on the display panel. Should the ball be lost, or go out of bounds or into the water it will be reported as such. The computer knows the precise location of every hazard.

After each player has played from the tee, PAR-T-GOLF'S computer determines which player's ball is "away". The projector is then advanced to the appropriate full-colour view of the hole and the players are informed, by name, of both the distance remaining to the flagstick as well as the type of area in which their ball lies (i.e. fairway, rough, sand, water, etc.) Should the ball land in the sand the player would play out of the simulated sand trap. If the ball should go into an unplayable area, water, hazard or lost the display panel will inform the Golfer of the lie, the appropriate picture will be projected on to the screen and the computer will add the correct number of strokes. Even penalty strokes are calculated.

The computer also observes golf etiquette, the player who wins the hole will "tee up" first on the next hole. The simulated turf Putting Area provides a fast, undulating surface and the cup is connected to the computer so that a Hole-In-One score can be achieved.

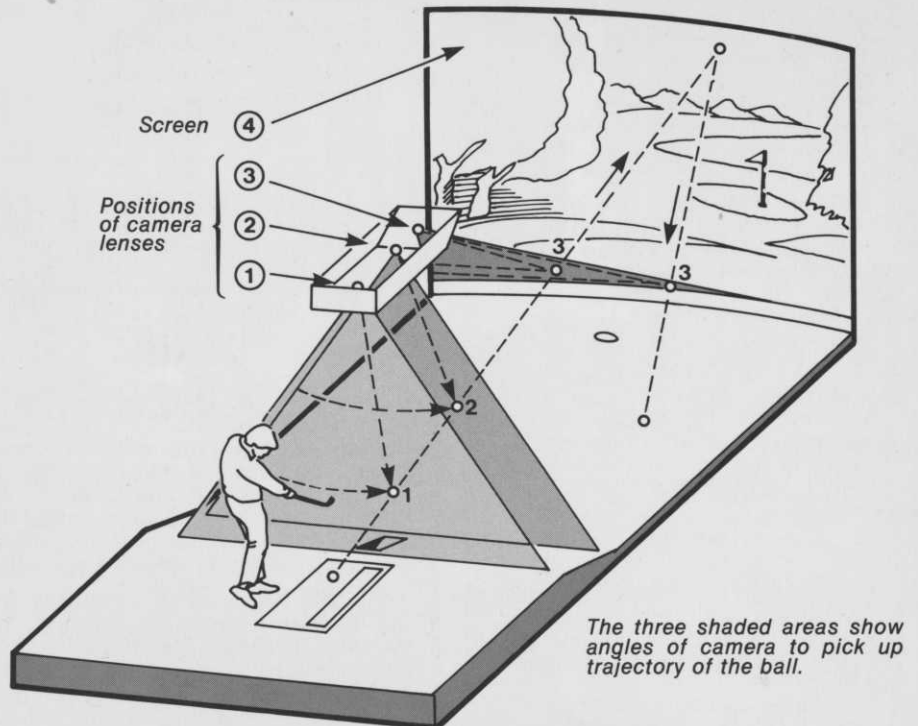
A Micro Computer

Perhaps the most incredible feature of PAR-T-GOLF is its new micro-computer. PAR-T-GOLF'S three

As the rain lashes across the golf course turning the bunkers into ponds, the biting east wind howls in the eaves of the clubhouse roof, what would be your reaction if your partner said "How would you fancy a round at Pebble Beach or Spyglass Hill today rather than fight our way round this lot", - indicating with a pointed finger to the inhospitable cold, wet, fairways, outside the warmth of the lounge bar.

Probably you would think he had an option on two free seats for Concorde or senile dementure was contributing to flights of fancy.

But, incredibly, a new to Britain, golf simulator, Par - T - Golf can provide a round of golf at either one of these famous courses. Using advanced micro-computer technology and a superior optical projection system, each hole of your chosen course is projected in colour onto the giant screen, approximately 20 feet away from the tee position.



miniature single-scan television cameras read the speed of the ball, the angle of the trajectory and the hook or slice, sending this information to the micro-computer which enables it to calculate the ball's position to the nearest yard.

When all players have reached the green, the micro-computer turns off the projector. Putting may be made from as far as 6 metres away on 21 different positions. The display panel will instruct the player "by name" of the appropriate spot to putt from. He then putts out and the display panel will ask for the "number of putts", the player will then enter the number of putts he has taken and his score will be displayed on the panel. The display panel will then instruct the next player.

The Par-T-Golf simulator will fit easily into the space occupied by a squash court.

It has the advantage of being set up within the premises of the golf club, adjacent to the bar and usual comforts. A round of nine holes with four players takes about 75 minutes, which would compare favourably with three frames of snooker.

Two complete systems have already been sold privately to individuals who will no doubt be providing golfing parties for their friends, within the confines of their mansions.

Two more systems have been installed in Leisure Centres. The first at the John Murray Sports Centre in Glasgow, the second will open during the first week in March, at the Harrow Leisure Centre.

The complete cost of the system is around £30,000, but leasing arrangements are also possible.

It does not take too much of a mathematical brain to calculate what the income for a busy club or leisure centre would be at an hourly charge of £10.00. Or what the cost is to a four-ball. Certainly a mere fraction of travelling to California for the real thing.

Further details can be provided by contacting the Editor of,

GOLF GREENKEEPING,
P.O. Box 12,
Wetherby,
West Yorkshire
LS22 4SR.

MAJOR INVESTMENT BY VITAX

The Company bought out by a consortium headed by Trevor Martin, fertiliser specialists Vitax Limited, is to build a new £¼ million multi-purpose headquarters at Southport on Merseyside.

The 20,000 square feet complex will contain a new manufacturing and production facility, packing plant, warehouse, laboratories, trials unit, offices and showrooms.

Trevor Martin has announced this major expansion programme to meet the increasing demand for Vitax products from their specialist users: the professional recreation and amenity market.

Two new extended release fertilisers for the sports and amenity market, KEY N and SR 2, have been introduced and will be available shortly.

Key N is a nitrogenous fertiliser (20%N) for use where reserves of both phosphate and potash are high, or where these two nutrients are made either annually or bi-annually. The nitrogen is included in three forms to provide quick-, medium- and slow-release and to ensure the continuous supply of plant food needed by the turf. Key N also contains magnesium (2.7%MgO) to promote lush green turf.

Recommended application rate: 35g per sq. m. (1 oz. per sq. yd).

SR2 is a 10:7:20 compound for application in the autumn or earlier part of the year when soil temperatures are 10°C or below, holding the nitrogen content until growth commences in the spring.

For clay constructed areas SR2 should be applied in the autumn or the earlier part of the year before top dressing, and on sand and free-draining areas it should be applied in the earlier part of the year before mid-March.

Recommended application rate: 35g per sq. m. (10 oz. per sq. yd.).

Vitax have also announced the third annual greenkeeper golf tournament will take place this year at the Ferndown Golf Club in Dorset on Thursday 21st May 1987.

Six teams of greenkeepers representing the Midlands, Mid-Anglia, Wales, the South-West, Devon and Cornwall, and the South Coast are to take part. Details from the Section Secretaries.

HUXLEYS TO STAGE TURF EQUIPMENT DEMONSTRATION

Huxleys Grass Machinery will be staging an impressive working display of professional grass and turf maintenance equipment at Stratfield Saye House, near Basingstoke, on Thursday 21st May 1987, the splendid country home of the Duke and Duchess of Wellington.

The grounds around the house feature a wide variety of grassed areas on which the full range of professional equipment will be put through its paces.

Entry will be by personal invitation card only. These should be obtained in advance from:

Michael Bird,
Huxleys Grass Machinery,
The Dean, New Alresford,
Hants. SO24 9BL.
Telephone: 0962 73 3222.

LA MANGA CLUB TO DEVELOP SECOND MAJOR RESORT IN SPAIN

Inmogolf SA, the developer of the leisure resort at La Manga in southern Spain, is to develop its second major site at San Roque, near Sotogrande, covering an area of 340 acres.

They plan to build a total of 640 properties, including villas and hotel units, with the first phase of construction beginning in March 1987.

The San Roque estate is ideally suited for championship golf, being undulating and extensively covered with mature cork trees. The new course has been designed by golf course architect, Dave Thomas.

Construction of the 18-hole championship course was scheduled to begin in February 1987, with the course opening for play 15 months later. The Club house will be based around the existing Domecq mansion.

All golf activity at San Roque will be the responsibility of Tony Jacklin, who will be resident at the club.

'MOVE TO FRESH PASTURES'

INTURF LTD, the York based turf growers, started by ex-Rolawn Managing Director, Derek Edwards have moved to new offices at Pocklington.

They can be contacted at 11b Regent Street, Pocklington, York YO4 2KN, Telephone: 07592-4101.

Derek's turf nurseries on the Yorkshire Wolds have already supplied a number of prestigious championship courses.

NEW SMOOTH STALK MEADOW GRASS

British Seed Houses Ltd. have been appointed main distributors for the new Smooth Stalk Meadow Grass called JULIA.

The Sports Turf Research Institute at Bingley have made JULIA the highest rated poa pratense in their latest 1987 Seed Guide. Independent trials carried out at the Institute showed that Julia is a compact hard wearing poa which withstands regular mowing down to 20mm and has a good resistance to fungal disease.

The Company intend to introduce JULIA in several of their fine turf mixtures for the forthcoming season.

Principle uses of JULIA are for golf tees and fairways. A 20% addition is recommended for tees and 10% on fairways.

In their new 1987 Catalogue, BSH Ltd. have announced that they are launching a new low maintenance grass seed mixture called A22, which contains LOGRO Slender Creeping Red Fescue and LORINA Perennial Ryegrass.

In the early 1970's British Seed Houses started a research and development programme in an attempt to obtain some short growing, high quality grasses and as a result of this comprehensive work the Company are now able to offer two of the shortest growing grass varieties available within their respective species, showing a considerable saving on mowing costs.

A free revised leaflet has also been issued giving details of ten wild flora conservation mixtures. The leaflet gives clear and concise cultivation and management information which is so important when sowing wild flora.



Attention!

Landscape architects, parks managers, landscape contractors, golf greenkeepers, groundsmen and turf producers . . .

For high quality grass seed mixtures, wild flora conservation mixtures, tree and shrub seeds, fertilizer products and professional service and advice.

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Our Amenity Seeds manager, Jeremy Howarth will be pleased to pass on the benefit of his wide experience and see that you receive a copy of our new comprehensive catalogue which details mixtures produced in the U.K. and includes many varieties bred by major plant breeders, D.S.V. **Why not contact him now?**



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Literary Review and Educational Supplement

(Part 1)

...by Fred Hawtree



I am sure they meant well but I have only just finished the book they gave me for Christmas - *A Walk with a White Bushman* by Sir Laurens van der Post. It is meaty stuff but I invented a new reading system to cope with the tough stretches and to forestall brain damage. I would open the book at random and beaver away until the mind boggled. Then I'd let it unboggle for a time before diving in somewhere else.

Eventually, I began to recognise familiar sections and finally string them together. This is unusual when I am dealing with heavy stuff because my memory tends to be fluffy and, like the filling of a superior *duvet*, non-absorbent and easily washable.

But not only grit and invention drove me on finally to Page 318. I also became deeply anxious that in reminiscing about meetings with such as Admiral Patterson, General Wavell and Lord Louis Mountbatten, other memories might be stirred and the author would point the finger at me because, in 1943 at Bandoeng, I dropped out of his Japanese class after only three lessons.

At the time, I could not believe that I should ever make it through to any sort of conversation and, B.T.C. (British Theatre Company) had just commissioned from me a new Act IV for 'Cinderella' with Sergeant Argent in the title role. Weakly, I settled for the easy way out.

Sir Laurens obviously has no memory problems. For example, he once travelled widely through Russia* after waiting eight weeks for a visa in London. On his first flight out of Moscow, a Russian sitting next to him rattled off the following useful data, which I condense for convenience.

RUSSIA

Size of:	2½ times bigger than continental United States. 1/3 smaller than Africa 3 times bigger than Australia 6,000 miles east to west 3,000 miles north to south 800 miles from southernmost point to the equator
Rivers:	Volga 2,300 miles long Yenesei 2,700 miles long
Tides:	Baltic, difference between high and low: A few inches Sea of Okhotsk, difference between high and low: 34 feet
Mountains:	Mount Stalin, 24,390 feet Narodnaya (Urals), 5,000 feet
Volcanoes:	200; 60 are active
Population:	In millions:- Ukrainians, 160; Byelo, 8; Uzbeks, 6; Tartars, 5; Khazaks, 4; Azerbaijanians, 3; Armenians, 3; Georgians, 3; Jews, 2½; Lithuanians, 2½; Moldavians, 2¼; Volga Germans, 2; Turkoman, 1; Kirghiz, 1; Chuwash, 1½; plus two villages of Russian negroes.

See what I mean? Nothing fluffy there at all! The man who can memorise all that and a lot more in the middle of the night can call up several more megabytes than my home computer. He will also know exactly which pockets contain his tickets, passport, wallet, traveller's cheques and could reel off their serial numbers if put to it. I have never managed to do any of those things.

In the near future, Sir Laurens is off to Africa with Prince Charles who also sounds pretty sharp. I can imagine the conversation round the camp fire.

Scene: *The Kalahari Desert*

The Biltong sandwiches and chips, washed down by a bottle of Tweejongezellen and followed by Kendal Mint Cake, have produced that pleasant sense of well-being after a day's march which obliges men to talk ruminatively of their inner selves before turning in.

Prince C: Nice bit of biltong that.

Sir L: You can't beat the Takatokwane take-away. Looks like it might be fine tomorrow though, from the size of the Bushmen's bottoms. They're like camels' humps you know.

Prince C: (*Wearily*) Yes. You've mentioned it before (*Pause*) Not too tired?

Sir L: Not a bit. Wouldn't mind a bit of fireside reminiscence as a matter of fact.

Prince C: That's good (*Then, remembering a Wogan interview long ago*) Sir Laurens! You've had a long, happy and successful career. Have you any regrets?

Sir L: (*After reviewing the past 50 years*) Maybe, just two!

Prince C: And they are.....?

Sir L: For starters, I reckon those Russians played me for a sucker way back in the Sixties.

Prince C: How come?

Sir L: It took me eight weeks to get a visa which I should have had in a fortnight. I now suspect they were making time for that chap on the aeroplane to mug up his facts in the *Soviet Geographic*. (Actually, I mugged them up as well when I got home). Then they let me in and put him in the next seat on my very first internal flight. I was being programmed.

Prince C: Could be right. Any other pointers?

Sir L: Yes. I was in and out of Tashkent Airport six times and each time, I met someone I knew - An Aussie ex-soldier, a fan of a TV series of mine, a West African envoy, a Cape Coloured boy, a Japanese friend and an Indian official.

Prince C: Sounds a mixed bag, especially in Tashkent. Not exactly the hub of the universe is it? And rather a poor Duty-Free if I remember rightly. I bet they were set up to report back to the KGB. But what's the other regret?

Sir L: Well, there was young Hawtree in Java. Dropped out of my Japanese class when he had just got as far as saying 'Good morning' with the third degree of politeness. I've always felt I failed him somehow.

Prince C: You can't win 'em all. He's an ungrateful cuss in any case. We had him to tea at Buckingham Palace a while back; he never even dropped a line to thank us for the cucumber sandwiches. Come to think of it, neither did any of the other 2,499 punters we'd invited.

**Journey into Russia*, Hogarth Press, London.1964)

(He spots a lioness creeping up to a tin of Corned Eland and throws a branch from the fire to scare her off. Unfortunately it lands on a reporter's note book and that sets light to all the sound recorder's and T.V. cameras which are essential equipment on safari these days. Pretty soon the Kalahari, too, is no more than a smoking ruin).

* * * * *

A likely tale, I hear you saying; and what has all this got to do with golf greenkeeping? My lucky lads, you have been distracted by the coating on the pill. We have been talking about education, which today's head greenkeeper has to consider with all this apprenticeship training and job experience grafted on to his other duties. The raw recruit should think about it too because if he is to progress in an increasingly competitive environment, he cannot learn too much. BIGGA will provide him with lectures and discussions, the Greenkeeper Training Committee will guide his progress, the STRI and some agricultural colleges will provide him with educational courses. But the influence of his head greenkeeper will be paramount in shaping his attitude to a potentially rewarding job.

You will have to wait impatiently until next month before I give you the low-down on education in Part II. Meanwhile you might like to think about how you are teaching your job or how you are learning it. You'll find a few clues in the preceding scenario.

There is a lot of greenkeeping lore which you will not find in the text-books. Watch this space next month to find out how to sock it to them and how to soak it up.

Last month's Word Power Test

Robert Dickson from Wanstead has written to tell me that 'Baffy' is also a Northern Scot's name for his slippers. Thank you Robert, that was news to me. Chambers' Dictionary of Scots Dialect says "Baffy" (adj) = chubby: The Oxford (Shorter) Dictionary only gives Baffy - 'short wooden club for lofting'. Chambers' Etymological Dictionary doesn't give it at all.



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For the full story contact
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 Littlehampton · West Sussex
 ENGLAND BN16 3LN
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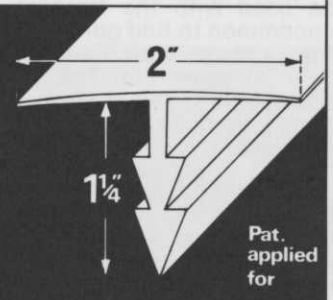
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We also produce marking materials in various quantities at very competitive prices.



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The Fleet line marking system is ideal for marking fairway boundary lines and directional lines for trolleys on Golf Courses. The plastic lines are easy to put down (no machinery required), can be mown over and always provide a bright, clean, white line. The Fleet lines—plastic not tape—are supplied in 3 foot lengths (1.2m) and are inserted in the ground. If required lines can easily be altered.



FLEET (LINE MARKERS) LIMITED
 Spring Lane Industrial Estate
 Malvern Link, Worcs. WR14 1AJ
 Tel: 06845 3535/66213

Two new off road vehicles from Suzuki



GOLF COURSE TRACTORS ARE IN THE VINTAGE CLASS

The majority of tractors used on British golf courses have been purchased second hand and many are over twenty years old according to a survey conducted with over a thousand greenkeepers by Golf Greenkeeping.

The trend is to replace the second hand agricultural tractor with one of the new generation of compacts, though the higher horse power models are still favoured for fairway mowing.

Few club committees appear to budget for the renewal of equipment, preferring to wait until the machinery breaks down and is non repairable before it is replaced.

The age of machinery is also reflected in a survey of implements to be used with the tractors. It is not uncommon to find golf courses cutting the fairways with Ransome 5 gangs over 20 years old. The best to date however is a set of Pennsylvania five gangs from Lloyds still cutting after 42 years.

Next month Golf Greenkeeping will be examining the current state of the tractor market as it affects golf clubs. As well as a detailed report on tractor use and buying trends for the future as supplied through the survey, we will also be publishing a list of the current models and prices, together with mechanical and technical details.

The Editor would like to thank all greenkeepers who completed the survey forms and supplied such valuable information. It is by such co-operation that we at Golf Greenkeeping are able in turn to give you that vital knowledge so you may make better buying decisions.

FOR SALE

TWO ISEKI TRACTORS
with Demonstration Hours Only
ISEKI 3210

Luxury Cab, 4 wheel drive,
with Chief 500 loader
June 1986

NEW: £11,000

OUR PRICE:
£6,500

ISEKI 2160 Compact

4 wheel drive, turf tyres,
roll bar, June 1986

NEW: £5,500

OUR PRICE:
£2,500

Tel: Ripon (0765) 700999
or
Richmond (0748) 832587

Two special Suzuki Santana models with exclusively designed body stripes and interiors for the British market are being introduced this month. The all white Santana and all black Santana "Sport". Both retain all the main characteristics of the outstanding SJ410 models and are powered by the same well proven 1 litre engine, but the newcomers boast a host of special features as standard.

These include a 5-speed gearbox, special colour co-ordinated deluxe cloth interior, split rear seats, servo-assisted brakes and softer suspension for improved on road ride. In addition, each of the two models have their own distinctive styling features:

The all white Suzuki Santana has colour co-ordinated white wheelarch trims and bumpers as well as coloured keyed headlights and indicator guards. The deluxe white hood is standard. Grey and yellow graphics on the car's exterior are complimented by a matching grey and yellow flecked cloth interior treatment.

On the all black Suzuki Santana "Sport", the wheelarch trims, bumpers and lightguards are colour-keyed black to match the body. The exterior graphics are grey and red, matching the grey and red pinstripe interior of the vehicle.

The Suzuki Santana is the Spanish built version of the "go-anywhere" rugged SJ410 series. It is the result of a joint venture between Suzuki Motor Company and the Land Rover Santana Factory at Linares - in which Suzuki now has a 20% holding - to build SJ models in Europe.

The 4 stroke 970cc engine runs on 2 star petrol from an 8.8 gallon tank. The price inclusive of VAT is £6,499.

LETTERS

Dear Sir,

With regard to your comment last month 'SNOW BOUND', page 8, I would like to let you know that apart from two days mid-week our course remained open all winter, and our Saturday and Sunday Winter League competitions have been completed to date.

Yours sincerely,
S. J. PHILIPS,
Greenkeeper St. David's City G.C.
Haverfordwest, Dyfed.

Preamble . . . *by James A. Wyllie, C.G.C.S.*

On a recent trip to Britain I visited with Mr. Fred Hawtree, a golf course architect of world renown. While we were at his home Fred showed me his incredible golf museum and library. It was one of the best private collections of golf memorabilia I have ever seen. During my perusal, I came across a copy of the National Association of Greenkeepers of America's official magazine. It was the National Greenkeeper, Oct. 1931, and it cost 25 cents.

It was a great surprise to open the book and lo and behold the headline staring at me said, "Toronto Hit by Hot Weather", by Wm. J. Sansom, Greenkeeper, Toronto Golf Club, Toronto, Ontario.

Mr. Hawtree was kind enough to copy the article for me. It is an interesting article, especially as it talks about "scald" and Poa Annua. Interestingly, he was recommending a 5-12-2 fertilizer, a complete opposite of what is recommended today.

Fred Hawtree is a very interesting gentleman, and a superb host. He and his son Martin operate a very successful firm called Hawtree and Son, Golf Course Architects. They are located in Woodstock, a very beautiful town, quite close to Oxford. Fred is a regular and witty writer of articles for Golf Greenkeeping and Course Maintenance.

Spotted in the February edition of Greenmaster the magazine for the Canadian Superintendents