

ing the ring take on that hole. Usually the match is over before all dozen balls are struck. The knock-out, as it were, comes sooner than expected. Two victories have been achieved. Over oneself and over the carry.

A number of years ago, when I was a club secretary, I was approached by three elderly members (now paying where I hope there are no carries), with the complaint that the carry over gorse and heather at the last hole was unfair. My plea that it was about only 150 yards, which at a short hole would not worry them at all, was met with disbelief.

In the end we all tramped down to that teeing ground, the harassed secretary—several years past his half century—carrying a No. 5 iron. He proved his point, and the old gentlemen played happily ever after.

Which goes to prove that wrong impressions are easily formed. Let no one suggest that the average club member should indulge in pacing out the distance for his second shots. He might, however, ease his mind if he stepped out some of the carries that have deranged his mind when gazing upon them.

NEW FROM MOMMERSTEEG

A new seed mixture developed by Mommersteeg International was introduced at the IPRA exhibition in Liverpool (20 March 1974) for general-purpose playing field/sports application.

The mixture contains four different grass species, using specially-bred varieties from Mommersteeg's own plant breeders, and is designed to meet the following needs: wearing capabilities, tolerance of different mowing heights, disease resistance,

ease of mowing and speed of establishment.

The new general-purpose mixture is carefully balanced to allow each constituent to fulfil its role in the production of the turf sward—all varieties are OECD Certified: 50% Stadion perennial ryegrass, 25% Novorubra creeping red fescue, 20% Koket chewings fescue and 5% Timo timothy.

STADION—perennial rye grass—quick to establish and selected for its dense prostrate growth habit which gives an extremely hard-wearing sward. It is easily gang-mown and has good resistance to red thread disease.

NOVORUBRA—creeping red fescue—a versatile variety capable of adapting to a wide range of soils. It is particularly useful on thinner soils of low fertility and by its rhizomatous growth it will colonise open patches in the turf.

KOKET—chewings fescue—an outstanding variety for close-mown turf where it forms a dense base to the sward. It is extremely attractive in appearance and shows good disease resistance.

TIMO—timothy—a hard-wearing variety which thrives on wetter soils and forms an important part of the turf in less closely-mown areas. It is valuable during the Winter months because of its high tolerance to cold and wet conditions.

The mixture is treated with SAIs as seed dressing for protection against fungal attack and to encourage quick establishment.

Recommended sowing rate is $\frac{1}{2}$ oz per square yard for sowing down new playing fields; 1 oz per square yard is recommended for renovation work.

Full details of all special Mommersteeg seed mixtures for sports turf and their new Sports and Amenity Turf catalogue will be available from the Mommersteeg stand at the IPRA exhibition. . . .

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Pencross Creeping Bentgrass for the production of high quality golf greens, makes rapid establishment and a hard wearing close-knit sward that gives an excellent uniform putting surface.

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NEWS

All members will join in congratulating Mr. & Mrs. Bill and Mary Mason on their Diamond Wedding. The anniversary fell on 7th March. They received six telegrams, the one from Buckingham Palace read:—

“The Queen sends you warm congratulations and wishes on your Diamond Wedding”.

Bill and his wife also received a telegram from Mrs. B. M. Hawtree wife of our founder, who still remembers Bill from his days as Hon. Secretary of the Southern Section, and even before.

The A. F. Scoop Trenchers excavate narrow trenches for the installation of electric and telephone cables, water pipes and land drainage.

The full range of trenching covered is 2", 4", 6" and 8" wide and the maximum depth is 39". Each machine has a built-in winch powered by the engine which gives a maximum trenching speed of 100 yards/hour.

The excavated spoil is deposited to one side of the trench by an auger or if required a conveyor can be fitted to lift unwanted spoil straight onto a tractor trailer.

They are used by Golf Course Contractors, and several clubs have purchased machines to do their own pop up sprinkler systems or drainage schemes.

Many more have used the economical self-drive hire scheme (from £8.00. + V.A.T. for a two weeks period) operated by A.F. Trenchers to complete small schemes and for corrective drainage work. With the 2" trench and conveyor, sand slitting is an especially economical and successful proposition for greens with bad drainage characteristics.

As they are of low all up weight, 5½ cwt. for the "F" Series and 8½ cwt. for the "G" Series, they create a minimum of ground disturbance, both when trenching and when moving from site to site.

Full details of machines, hire rates etc. may be obtained direct from A.F. Trenchers Ltd, Gosbecks Road, Colchester, Essex CO2 9JS. . . .

A new booklet has been produced by Huxleys Garden Machinery outlining the machines, terms and conditions available for the hire of specialised equipment on a short term basis.

This hire service is complementary to Huxleys main business which is almost exclusively devoted to the sale and service of machinery to the professional user, including to date 27 Ransomes Hahn Tournament Triplex Greens Management Systems.

Lloyds & Co. Letchworth Ltd. announce that a limited number of their ride-on triple mower, the 'Marathon' will be available for delivery during 1974 backed by a full spares service. Improvements & modifications have been incorporated since the machine was first introduced at Motspur Park in 1972. Details are available from the manufacturers at Birds Hill, Letchworth, Herts.

Wolseley Webb Ltd of Electric Avenue, Wilton, Birmingham have produced a new booklet on Webb Professional equipment covering mowers, cleaners and edge cutters. It is available free of charge by writing to the manufacturers.

Humber Manures Ltd of Stoneferry, Hull have issued a new leaflet on the organic based compound fertilisers available to all concerned with the maintenance of sports turf. It is available free of charge from the manufacturers.

NEWS

Peter Burge writes:—

One of the interesting papers read at the 45th International Turfgrass Conference and Show at Anaheim, California was given by Roger Clark the Brand Manager of Swift Chemical Company, the U.S.A. distributors of I.B.D.U. slow release Nitrogen. Roger Clark detailed the growth of sales of this product which is now being marketed as a straight Nitrogen and also as a component part of balanced fertilizers. The paper dealt in depth with the scientifically backed evidence relating to the release characteristics and economies that can be made by using I.B.D.U. and visits were also

made to Golf Courses in Southern California by the Delegates where they were able to see for themselves the performance of the product under normal working conditions.

I.B.D.U. is now available here in the U.K. and Ireland from David T. Boyd (Commodities) Ltd., 24, Eastcheap, London, EC3M 1HB and enquiries should be directed to Peter J. Burge who is responsible for marketing I.B.D.U. in the UK . . .

Opening ceremonies for the new national headquarters of the Golf Course Superintendents' Association of America (GCSAA) in January in Lawrence, Kansas were attended by nearly 300 people, including Kansas Governor Robert B. Docking, U.S. Senator Robert Dole, Lawrence Mayor Nancy Hambleton, nine Association Past Presidents and the current Executive Committee.

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So why not use an ATCO 20" 'SPECIAL' and have two professionals on the job!

Smooth, robust power

From a 'long life' 5 h.p. four stroke engine and a 6 pint fuel tank ensures longer hourage mowing between refills.

Superb cutting ability

Twelve precision ground cutter blades giving 135 cuts per yard, and special, thin bottom blade ensures superfine cut down to 60 thou. And furthermore, the close spacing between the front rollers and cutter reduces the risk of scalping to a minimum

Other plus features-

Include a 'combit' rake, fitted as standard, radiused rollers to avoid marking at end turns and fully powered transport wheels for rapid transportation from green to green.

Finally — Sound Investment

Offered at a realistic price which makes the 20" 'Special' a real value for money purchase.
So why not ask your nearest Atco distributor for a demonstration by ringing or writing to the address below. One can be arranged without obligation.

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The day's activities included a pre-showing for members in the morning, as well as a public showing in the afternoon with official welcomes to Kansas and Lawrence, a dedication plaque unveiling and a ribbon cutting. The building remained open for public tours until 4 p.m.

Members from 14 states and Canada were on hand for the festivities which marked the opening of the first solely-owned facility for the Association in its 47-year history . . .

J. Gibbs Limited of Bedfont, Middlesex have recently been appointed sole Distributors for the Litterlift Giant Vac Vacuums and Blowers for the Greater London and Surrey area.

A range of six widely priced vacuum machines for collecting litter, grasscuttings, thatchings and leaves is available. Optional nose cones and hose attachments are offered, and

machines are fitted with Briggs and Stratton Engines. Models range from small units suitable for gardens to larger machines for Local Authority and Contractor work.

Also available are three Briggs and Stratton powered Blowers for windrowing and piling leaves, litter and other debris with a 260 m.p.h. air blast. This method is claimed to be seven times faster than hand raking or brushing. Blowers can also be used to dry out dew and rain from golf courses, cricket pitches, bowling greens, etc. . . .

Messrs. T. H. Baggaley (Horticultural Engineers) Ltd. who have just introduced their liquid feed fertiliser injection system for Golf Course and Sports Ground use, have appointed Messrs. E. A. & Yates & Sons of Sandbach, Cheshire and Wakefield, Yorks their distributors for the U.K. Market. . . .

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recognise
another



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The Champion, a hardy Viking blade, originating in Svalof, Sweden, Fylking Smooth Stalked Meadow Grass excels on every count.

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✓WEAR TOLERANCE

✓RAPID ESTABLISHMENT

✓CERTIFIED SEED QUALITY

✓BRITISH TESTED

NEWS

SISIS Equipment (Macclesfield) Limited announce some internal reorganisation and additions to their outside selling staff.

Mr. D. A. Tait has been appointed Trade Sales Manager with the responsibility of administering the Company's sales to Distributors, Domestic Stockists, Service and Repair Dealers, etc., throughout the U.K.

Mr. K. A. Vertigan, formally SISIS Representative for Lancashire and Cheshire, has been appointed Direct Sales Manager, and will be responsible for administering the selling activities in those territories where SISIS have adopted a direct sales policy.

Mr. Vertigan's place in Lancashire has been filled by Mr. Don R. Dixon, operating from his home at The Laburnums, Sheep Hill Lane, New Longton, near Preston, telephone number Longton 613666.

SISIS have added Lincolnshire, Nottinghamshire and South Yorkshire to their direct selling areas and this territory will be covered by Mr. E. A. Burgess, who has been SISIS Representative in the West of Scotland for the past two years. He will be operating from 3 Thoresby Drive, Edwinstowe, near Mansfield, Nottinghamshire, telephone number Mansfield 822844.

Mr. Burgess' place in Scotland has been filled by Mr. Ian McKay, who has recently joined SISIS and he can be contacted through the SISIS Scottish Office in Kirkcaldy, telephone Kirkcaldy 62325, or at 20 Cawdor Crescent, Bishopton, Renfrewshire, telephone number Bishopton 2076 . . .

The Golf Course Superintendents Association of America is an international organization with over 3,600 members in the United States, Canada and other countries. Organized on September 13, 1926, as the National Association of Greenkeepers of America; name changed to the Green-keeping Superintendents Association in 1938; became the Golf Course Superintendents Association of America in 1951. Activities include an International Turfgrass Conference and Show sponsored annually by the important and outstanding annual GCSAA; recognized as the most important and outstanding annual forum of the turfgrass industry. Special emphasis placed on golf turf development and its allied fields. The Equipment Show, a show within a show, enables manufacturers and suppliers to exhibit the latest products designed for golf course maintenance. The first meeting was held in Chicago in March 1927. 1974's Conference and Show is scheduled for Anaheim, California, Feb. 10-15.

The Scholarship and Research Fund separately incorporated in 1956 fulfils a recognized obligation to the future of golf through financial assistance to qualified and deserving students seeking careers in golf turf. Research grants are directed toward original research and to further expand knowledge of turf and turf management practices. More than \$275,000 has been distributed to worthy students and original research since the Fund's inception. For 1973-74 a total of \$21,650 was awarded to 48 scholarship recipients and 13 research grants were made totalling \$14,600.

Open house and dedication ceremonies for the new headquarters building of the Golf Course Superintendents Association of America (GCSAA) was at 1 o'clock, Saturday, January 12, 1974 in Lawrence, Kansas.

Plant Some More in '74

The following is a list of Trees recommended for Golf Course planting and was originally the subject of a talk given by Mr. Cassell of London Transport to the Southern Section of the B.G.G.A.

Name	Type	Planting distance (feet)	Final Height (feet)	COMMENTS
American Oak	Forest Deciduous	30	100+	Quick growing — beautiful scarlet foliage in Autumn. Specimen tree — good Commercial value.
English Oak	Forest Deciduous	30	100+	Slow growing large imposing tree—good as single specimen.
Plane Tree	Forest Deciduous	30	100+	Quick growing large specimen tree—very reliable.
Lime Tree	Forest Deciduous	30	100+	Quick growing beautiful tree, plant in small groups—does cause problems with aphids if planted near Clubhouse or amenity areas.
Lombardy Poplar	Forest Deciduous	15	60+	Quick growing — roots troublesome, Weeping Willow very beautiful tree. Do not plant within 100 feet of buildings or Greens.
Willows—Variety	Forest Deciduous	20	60+	Quick growing—large imposing tree—very adaptable—not popular at moment owing to dutch elm disease.
Elm Tree	Forest Deciduous	30	100+	Should not be planted within 150' of either greens tees or clubhouse buildings.
Beech Tree	Forest Deciduous	30	100+	Large Noble tree of beautiful appearance when planted as a specimen tends to branch early—plant in groups to obtain best results—prefers lime soils but will tolerate some lime deficiency.
Silver Birch	Forest Deciduous	6—12'	50—60	Most graceful and accommodating of all the larger trees—beautiful.

Name	Type	Planting distance (feet)	Final Height (feet)	COMMENTS
Ash	Forest Deciduous	30	100+	Large graceful forest tree—medium growth. Seeds can be a nuisance.
Sycamore	Forest Deciduous	30	100+	Large and quick growing forest tree—seeds freely—can cause nuisance with seedlings near greens.
Evergreen Oak	Forest Evergreen	30	60+	Slow growing—large forest tree—dense—small foliage—Magnificent specimen tree — should be planted much more frequently.
Chamaecyparis Lawsonia	Ornamental Evergreen	6—12'	60+	Most of the ornamental Conifer sold in this country are varieties of this genus—very rapid growing — most useful for quick screening of buildings, boundaries, etc. Requires good soil and after care.
Holly	Ornamental Evergreen	3— 9'	35+	Very useful evergreen tree surprisingly fast growing in good soil. Plant both male and female trees to ensure good crop of berries.
Cherry Flowering	Ornamental Deciduous	6—12'	35+	Useful as specimen plants near clubhouse, very limited flowering period then rather uninteresting.
Acers in Variety	Ornamental Deciduous	6—12'	30+	Quick growing short lived trees extremely attractive for Autumn Colour and bark, specimen trees only.
Mount Etna Broom	Ornamental Evergreen	6—12'	20+	One of the easiest small trees to grow and one of the most delightful in flower, long slender branches covered with sweet scented yellow flowers for 2 months or longer in Summer.

ARTIFICIAL TURF ON GOLF GREENS?

The golfer, it seems, is one of the sports world's last ecological purists. Football and baseball enthusiasts—players and spectators alike—offered no resistance whatsoever when their once lush playing fields were covered with lifeless artificial turf.

But the golfer steadfastly refuses to accept, or even consider, artificial turf as a substitute for nature's living, breathing grass. Experts contend that an acre of grass performs the same function as a 70-ton air conditioner.

The grass, trees and other plant life on a golf course act as an oxygen factory, and trap and filter out airborne dirt, cinders and grime.

In a recent poll, members of the American Society of Golf Course Architects were asked the question: "Should artificial turf be used on a golf course?"

May be on Cartpaths

The members, the leading golf designers in the United States, Canada and Mexico, responded with an overwhelming and resounding, "No!"

Only a few suggested that artificial turf might be used sparingly in less vital areas of the golf course, such as cart paths. In an extreme situation, several said it might be used on the tee.

But none of the architects would tolerate the use of artificial turf on golf's hallowed ground, the putting green.

"The game of golf is too closely tied to nature's green earth to allow any substitutions," says Ellis Maples, president of the American Society of Golf Course Architects.

"Much of the skill of putting comes in reading the green, calculating how the grain of the grass, its texture and length, its moisture content, will affect the roll of the ball," Maples points out. "Greens constructed with artificial turf would be too constant . . . too easily reckoned with."

But there are other problems with artificial turf.

Frank Duane, Port Washington, NY, immediate past president of the Society, reveals that the artificial turf is too costly, and too unwieldy.

Can't Contour Artificial Grass

Because the artificial turf can't be contoured, green would have to be built flat, without dips and rolls . . . an unthinkable situation for the architect; although, the idea of a flat green might appeal to the chronic three-putter.

Several architects—including Marvin Ferguson, Bryan, TX, Geoffrey Cornish, Amherst, MA, William Mitchell, West Palm Beach, FL, and William Amick, Daytona Beach, FL—agree to the use of artificial turf on heavily played daily fee courses, *but then only on the tees.*

"Where you have extremely heavy traffic and cannot afford constant maintenance of the tees, you're probably better off using artificial turf, rather than playing from a mud hole," they contend.

Gerald Matthews, Lainsburg, MI, who also approves of the use of artificial turf on heavily used tees, points out another drawback:

"If you talk to golfers who have used artificial tees, you find a very negative attitude," Matthews claims.