

Ask
Firestone's
Bill Lyons:



NEW SOIL-SET SPRAY MULCH IS FAST, EFFECTIVE... NEAT!

Bill Lyons, Superintendent of Akron's Firestone Country Club, has discovered for himself the big advantages in Soil-Set Spray Mulch. Several days before last year's \$50,000 All-American Golf Classic at Firestone, he sprayed this amazing elastomeric polymer emulsion on a freshly seeded area in front of the Club House. He also planted a six foot border strip of Merion sod. Sixty days later, the Soil-Set portion had produced a turf of uniform thickness that stood up creditably next to the sod. Soil-Set controlled erosion, prevented seed displacement through wind and rain and, by absorbing the sun's heat and holding water and fertilizer in the soil, actually speeded germination.

For the tournament and throughout the germination period the seeded areas looked good too. And Soil-Set eliminated the litter and extra labor of straw mulching!

Soil-Set can help put your club grounds and golf course in championship form, too. Find out how! Just ask Bill Lyons. Better yet, write today for a fact filled report on tests and actual case histories.



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a division of **ALCO CHEMICAL CORPORATION**

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WHOLE SEASON CONTROL WITH ONE SPRAYING

One part of Soloxto in 400 parts of water sprayed on two to four acres gives season-long control of beetle grubs, ants, crickets, chinchbugs, cut worms, rose chafers, chiggers, fleas, ticks, mosquitoes and many other pests.

GRUB-PROOFS FOR TEN YEARS

One application of Soloxto, two gallons to the acre (1-to-200 solution), grub-proofs the turf for at least ten years. Thus moles are also kept out by eliminating their food source.

ECONOMICAL COVERAGE

Because such high dilutions are possible, extensive coverage is very economical. Labor can also be saved by using EWT Weed Killer* in the same solution for general spraying of the grounds.

* Widely used selective weed killer manufactured by Dolge.

Write to the C. B. Dolge Company, Westport, Connecticut for information about other insecticides; also inquire about weed killers, golf ball cleaners, mole and gopher killers.

Dependable
DOLGE
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Bob Karbatsch (r), pres. of the Rocky Mountain GCSA, recently presented a plaque to Oliver P. Hutchinson in tribute to the great work the latter has done for the supts' organization over the years. Hutch is 75 years old and has been a course supt. for nearly 50 years. He recently retired as green-master at the Willis Case GC in Denver and is working at Columbine CC.

The authors rate cereal grain straw first for effectiveness then, in order, jute bagging, paper mesh and grass mats. Plastic sheets required special handling, particularly prompt removal before seedlings were damaged by high temperatures. "The sprayed-on latex material appeared promising in initial tests in the spring of 1960. Prior to seed germination it formed a temporary protective film which gradually disintegrated, permitting stands to develop."

Matching the Pro and Club

(Continued from page 38)

After the job is defined, the qualifications of the pro to fit the job must be appraised. The candidate's education, references, experience and personality should be checked. His financial background should be investigated.

Hanna observes that there is need for more education of the young professionals in teaching methods, psychology, accounting, merchandising and advertising and business English.

Points To Be Checked

Bill Sherman, western field representative of the National Golf Foundation, summarizes the pro hiring problem:

(1) What type of professional is needed at the course?

Promotion and membership sales abilities.

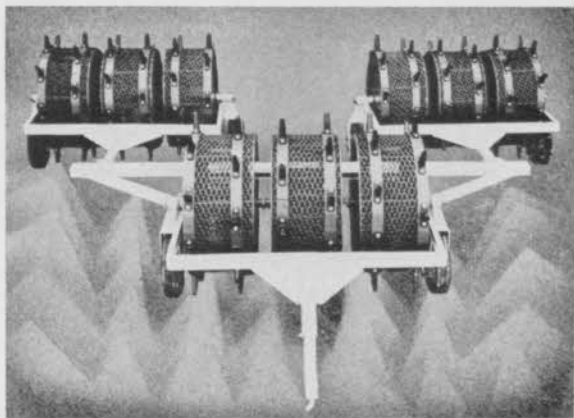
Teaching and creating or reawakening of golf interest.

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MODEL S-24-TW 3 GANG.

Here is the most exciting advance in aerator design. The perfect golf course aerator for both fairways and rough. Aerate any time without disrupting play. Plugs of top soil are introduced directly into the inside of the expanded metal drums through 162 self clearing, stainless steel, aerator tubes. Constant tumbling action disintegrates the plugs and spreads this valuable top soil evenly on the surface of the turf grass. Aerates a 11' wide swath. Four easy hitch pin adjustment points narrows aerating width to 9'. Single unit can be used to reach narrow areas around tees



and greens, aerates a 40" swath. To transport over paved areas use "flop over" transport wheels.



MODEL PL-TW 3 GANG. This rugged, trouble free, aerator cultivates fairways and rough with equal ease. Each reel of self clearing, cast steel, aerator tubes operates independently and will follow the tractor in its shortest turning radius. Each unit has two water ballast tanks to give the required weight for complete penetration of the aerator tubes under varying soil conditions. Aerates a 9' swath. Single unit can also be used to reach narrow areas. "Flop over" to the transport wheels to travel over paved areas.

For further information see your turf equipment distributor or write:

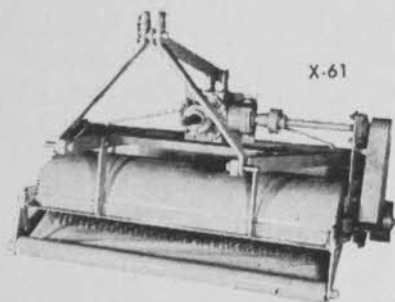
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Model X-61 Power-take-off

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This is the machine that has been specifically designed to help you care for your fine turf areas! The X-61 power-take off model works with your regular equipment . . . to give fairways and other large grass areas that superb AERO-THATCH conditioning. In one simple operation, you Aerate, Cultivate, reduce thatch and relieve compaction with this extra-ordinary new machine. This is the C-H-I-A* method of ground control that so many fine golf courses are now using. Get the facts today.

* Continuous, Horizontal Invert Aeration

Write for complete information to:

AERO-THATCH, INC.

RAHWAY, NEW JERSEY

Playing ability.

Administrative and supervisory ability.

(2) What does the job pay?

Income — salary and concession privileges.

Job growth possibilities.

(3) What specific duties are expected of the professional? These should be itemized in order of importance.

(4) Have job duties been detailed in a written agreement? Has the compensation, both in salary and income, been included into this agreement so that both the professional and contracting party are aware of obligations and responsibilities?

(5) If a new golf course, or one planning a pro shop or clubhouse remodeling, has the professional been consulted for his ideas concerning the pro shop?

(6) Has the professional outlined his policies and methods of operation to the satisfaction of contracting party?

(7) Has the hiring group or individual obtained a list of current character and credit references?

Why Is One Pro Worth More?

Bob Gutwein, professional at Lake Merced G&CC, Daly City, Calif., takes

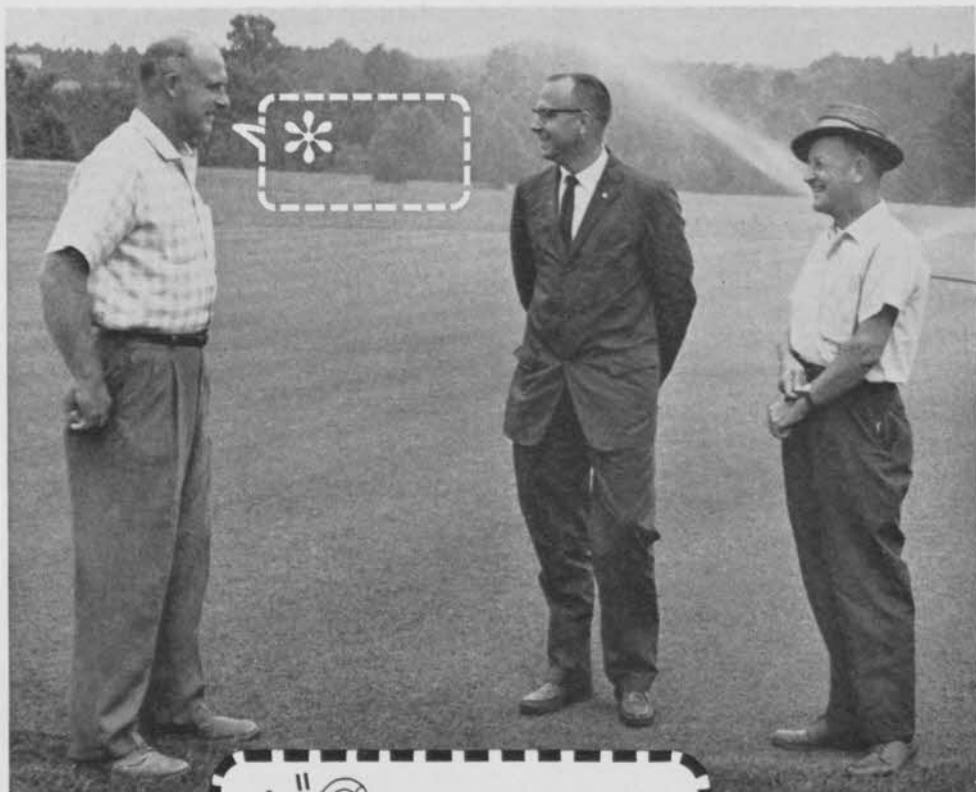
the view that the pro who is applying for a job should accent what he will do for the club to be worth the income that he is seeking. It is Gutwein's opinion that pros too often want to know what will be done for them instead of what they will do for the club.

Should Be Clarified

Gutwein observes that most club officials do not realize how much work, investment, time and worry a pro has to put into his job in order to get the return his qualifications merit. He feels that it would be mutually helpful if the club would put in writing what it expects of the pro in all phases of the job and what the pro can expect from the club.

After six months or so the agreement should be reviewed. If adjustments have to be made in the contract, Gutwein feels that probably they are good and necessary ones and both parties will benefit from them. Such a review should correct the overselling of jobs by club officials and bring them up to a mutually satisfactory standard.

Morning Deposits of All Mail
Means Better Service



* "CresLINE®

ENGINEERING DEPARTMENT
REALLY DID A GOOD JOB"

Contractor Sossamon (left), Club President Dr. R. H. McElveen (center), and Chairman C. G. Phifer of the Greens Committee discuss the CresLINE watering system installed at Gaffney (S. C.) Country Club Golf Course.

says F. W. Sossamon, Jr., of Sossamon Construction Company, Gaffney, S. C., in reporting that a CresLINE Plastic Pipe watering system is in and "working perfectly." Mr. Sossamon answered an ad similar to this one when he was planning a sprinkler system for the Gaffney Country Club Golf Course. His praise concerns a complete engineering layout we provided as a standard service.

WE WILL MAKE A COMPLETE ENGINEERING LAYOUT FOR A SPRINKLER SYSTEM FOR YOUR COURSE. WRITE FOR DETAILS.

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NEW 5-YEAR WARRANTY

Covers not just certain kinds of pipe but all 1/2" through 2" CresLINE Plastic Pipe used for cold water. Crescent not only agrees to replace defective pipe, but agrees to pay the freight and labor costs.

New Agrico 16-8-8

...ideal for Bermuda fairways

Here's a complete, high-nitrogen fertilizer that's ideal for Bermuda fairways—**AGRICO COUNTRY CLUB 16-8-8 FERTILIZER.**

It's granular, spreads easily and uniformly. Use it with the new spinner-type spreaders and you'll cover 18 holes easily in less than a day. And it's dustless.

AGRICO 16-8-8 eliminates a need for supplemental nitrogen, which means less material to handle, less inventory and less labor.

Thin, sparse Bermuda fairways respond to monthly applications of **AGRICO COUNTRY CLUB 16-8-8** at 250-300 lbs. per acre. Maintenance levels may be used on well-established turf.

NEW AGRICO COUNTRY CLUB 12-4-8 restores to Bermuda greens nutrients in the same ratio they are removed in clippings. Granules are small, easily interpenetrate fine, dense turf. Especially desirable fertilizer for both cool season and tropical grass varieties. See your supplier or write: The American Agricultural Chemical Company, 100 Church Street, New York 7, N.Y.

AGRICO®
COUNTRY CLUB FERTILIZERS

Grau's Questions & Answers

(Continued from page 86)

it with ten times its volume of expanded mica or screened, rotten sawdust. Moisten with water and mix well. Do not make the mixture sloppy wet. Keep in a warm room and turn the mixture morning and evening for 10 days to 2 weeks or until you can see the first tiny white sprout emerging from the seed coats.

During this time you will have prepared the seedbed ready for the seed. Adjust pH to 6.5 to 7.0 with ground limestone. Incorporate also a complete fertilizer that carries 50 to 75 per cent insoluble nitrogen sources in a ratio of 2-1-1 or 3-1-1 to supply 4 to 6 lbs. of actual nitrogen to 1,000 sq. ft. Roll finished seedbed slightly, then broadcast the pre-germinated seed mixture so that each 1,000 sq. ft. receives ½ to 1 lb. of seed. The seed must remain on the surface of the soil. Now cover the area with clean straw at one ton to the acre (one bail to 1,000 sq. ft.,) securing the straw against wind by tree branches, a few twines criss-crossed, a spray of water, or an asphalt emulsion to "tack" it together. Irrigate frequently to keep seeds constantly moist until well established.

If the planting is done at the start of hot weather, you may expect zoysia sod at the end of the first growing season. Seed that has not been treated may take two years or more to develop turf. After the seedlings are well established they may be "pushed" with nitrogen and irrigation.

Sod can be transferred to the teeing grounds when it is solid enough to hold together when cut and rolled. By cutting the sod thin and leaving an inch-wide strip between sod cuts, you will be able to lift sod from the same nursery each year.

Metropolitan Amateur Officers

Delton Dollar of the Biltmore CC, Coral Gables, Fla., is the new pres. of the Metropolitan Amateur GA. Joseph Brooke of La Gorce is vp, Paul Hexter, Bayshore CC, is sec., and Stanley Price, Kings Bay CC, treas. Frank Strafacci is executive director of the organization. In 1961, MAGA sponsored 19 tournaments in which more than 2,300 persons participated. This year the association is undertaking the sponsorship of a caddie scholarship at the University of Miami in addition to running its regular tournament schedule.

Central Virginia Officers

Harry N. Allanson, supt., Lakeside CC, Richmond, is pres. of the Central Virginia Turfgrass Assn. George F. Wingo, Meadowbrook CC, Richmond, is vp and Harry J. McSloy CC of Virginia, sec.

Ransomes MOW THE WORLD



Ransomes Mowers are used by most of the leading Golf and Tennis Clubs in the world.

Ransomes 18-inch AUTO-CERTES is shown here mowing Lindrick Golf Course, England, which Max Faulkner described as "the best manicured course I have ever been on". AUTO-CERTES is hand-built for the finest cutting of precious turf. Outstanding features are its thin bottom blade, ten-knife cutting cylinder and its removable side-wheels which are used for transporting the machine under its own power from green to green. A demonstration can be arranged.

The Certes, a 16-inch hand mower, is a precision-built ten-knife machine with an extra thin bottom blade for providing the finest possible cut.

Ransomes offer a complete range of mowers, hand, power and gang, for all requirements.

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SAND
SPIKE

Swinging Around Golf

(Continued from page 24)

agers Assn. of America now is 49.3, according to group insurance figures . . . Four years ago the managers' average age was 50.2 . . . Chester Horton, one of Chick Evans' early pro teachers, is now living in Portland, Ore., and writing a book on golf . . . Chester wrote one of the early syndicated golf instruction columns.

Billy Sixty, Milwaukee Journal's veteran golf reporter turned out two classic features on golf notables who passed to green pastures in the past several weeks: Bob Stranahan and George S. May . . . Billy related that Bob virtually retired from amateur competition in 1926 to "make a champion of Frankie" . . . Sixty wrote with a rainbow in telling of May's colorful career and his flamboyant showmanship in giving golf "its greatest, richest and dizziest tournaments."

Ward Cornwell goes from supt. job at Detroit GC to supt. at Evanston (Ill.) CC . . . Clem Wolfram from Dearborn (Mich.) CC succeeds Cornwell at Detroit CC . . . Roger Jacobsen from Twin Beach CC, Windsor, Can., to Dearborn CC as supt. . . . Jim Cornelius returns to manage Meadowbrook CC (Detroit dist.) . . . He was mgr. there in 1950 . . . There were 105 applicants for mgr. post at Orchard Lake CC (Detroit dist.).

Harold Calderwood, pro at Tomahawk Hills CC, Mission, Ks., has signed Bob Dibble as his asst. . . . Dibble came from El Camino CC, Oceanside, Calif., where he was asst. to pro Wilson Atkins, jr. . . . Dibble spent 3 years in the Marine Corps, playing on the Leathernecks' golf team . . . He majored in clinical psychology at Central Missouri State college then went into pro golf . . . One of the best-looking pro shops I've seen for months is that of Jack Grout at La Gorce CC, Miami, Fla. . . . It's one of the busiest, too.

Laurie Ayton sent us figures on 1961 rounds played on the four courses at St. Andrews: Old Course — 37,120; Eden — 34,330; New — 24,709; Jubilee — 13,541 . . . The Old course is closed for two weeks in the spring and two in the fall and the other courses are closed in rotation . . . All were closed during very bad weather this past winter.

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SOLUBLE FERTILIZERS



AN ANALYSIS TO SUIT EVERY GREEN AND TEE. For each 1000 square feet, simply mix 1 pound in 10 gallons of water and apply. MORE WATER WON'T HARM.

ALL KAPCO SOLUBLE FERTILIZERS CONTAIN CHELATED CONCENTRATE

ANALYSIS	PRICE PER POUND IN 50 LB. DRUMS (If 25 lb. bags are specified, add 1/2¢ per lb.)				
	5 Lbs.	50-299 lbs.	300-999 lbs.	1000-1999 lbs.	2000 lbs & up
9-45-15 START-L-IZER		\$0.31	\$0.27	\$0.26	\$0.25
15-30-15 PLANT-L-IZER		.27	.23	.22	.21
24-12-12 LAWN-L-IZER		.31	.27	.26	.25
30-10-10 AZALEA ACID-50		.31	.27	.26	.25
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25-0-25		.23	.19	.18	.17
12-24-24		.25	.21	.20	.19
CHELATED CONCENTRATE	\$0.75	.56	.52	.51	.50

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Ralph Plummer of Fort Worth has started work on first of the municipal courses he has designed for the city of Fort Worth . . . Plummer also on big remodeling job for Salt Lake City CC and revising the Minikahda CC, Minneapolis . . . Courses that Plummer is designing include one for Minnesota Mining & Mfg. Co., St. Paul; Ridgewood CC, Waco, Tex., and for the city of Arlington, Tex.

Ken Hubble now supt. golf courses for City of Phoenix . . . It's a bonnie way the veteran Tom Clark signs off his lively column in the magazine of the Blue Hills CC (KC dist.): "Dinna forget — Through it, not to it." . . . Art Snyder, supt., Paradise Valley CC, Phoenix, and his wife, Retta, had as guests recently veteran supt., Leo Feser and his wife . . . The Fesers were vacationing in Mesa, Ariz. . . . Art and Retta have been taking a vacation themselves in Mexico, by rail over the spectacular new Chihuahua al Pacifico road, then by ship in the Gulf of California.

Barclay (Buck) Whetsell, now course

"supervisor" in charge of maintenance at Tantallon CC, community development on the Maryland side of the Potomac, across from Mt. Vernon . . . Tantallon is building its first 18 . . . Triangle Round Robin for the Ladies PGA "Sweet 16" to be played this year June 21-24 at Plainfield (N.J.) CC . . . Tournament has been renamed J. E. McAuliffe Professional Women's Golf Tournament as a memorial to Jack, sponsor of the event and late head of the Triangle Conduit and Cable Co.

Officially open Horton Smith 9-hole municipal course at Springfield, Mo., with Horton coming out of Burge hospital to play in a foursome with Tom Talbot, pro at Grandview, Springfield's other municipal course, Sam Reynold, Hickory Hills pro, and Gene Sallee, pro at Twin Oaks . . . The Horton Smith course is Springfield's sixth, including the lighted par-3 Oscar Blom course adjoining Grandview . . . Charles Denny is Smith course supt. . . . Remel Haskett manages the club.

Evans Scholars' Foundation recently received its largest single bequest —