likes and dislikes, his game, etc. and other personal facets may pay off handsomely. Everyone likes to be understood and appreciated.

Others who are seen frequently by the supt. are salesmen. They have their own points of view which may not be fully appreciated by the supt. Their basic function is to sell but they must be capable of serving in an educational capacity. In a large measure, salesmen in the turfgrass industry have become an extension of the extension services of the universities. The difference is that the college specialist has nothing to sell but information and service. By appreciating the point of view of the educated salesman, the supt. can gain valuable knowledge concerning products and technics.

Do we understand the potential dangers of chemicals that we handle frequently as a matter of course? I'm sure that we read the labels and note whether or not the material is poisonous or dangerous, but do we really fully appreciate the warnings? The National Safety Council reports these grim statistics for the period 1946 to 1960: a total of 524 deaths; due to arsenic 6; cyanide 41; chlorinated hydrocarbons 85 (35 for DDT); fluorides 26; nicotine 50; organic phosphates 105 (73 for parathion); phosphorus and P-compounds 211 (201 for rat poisons).

The turfgrass industry can gratefully note that no fatalities were recorded for mercury and mercury products which are used in large quantities for disease control.

Seeks Dense Turf

Q. We seeded our new greens to a 50-50 mixture of Seaside and Colonial bent at 2 pounds per 1,000 sq. ft. We can’t seem to get the turf to fill in and make a dense putting surface. What do you suggest? (Ohio)

A. You have furnished no information on fertilization. It is possible that the grass is hungry for nitrogen. Another factor is your choice of grasses. Colonial bent is a bunch-type grass that does not spread to form dense turf as creeping bents do.

My suggestion is to treat these greens with the hydroseeding technic to use one-half pound of Penncross seed to 1,000 sq. ft. and the suggested fertilizer. Repeat two weeks.
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10-6-4 or Straight?

Q. We had soil samples taken from our fairway for tests at three different laboratories. Results were in agreement showing pH 5.6, very high phosphorus and very high potash. We will apply limestone to correct the acidity. One source of information recommends a 10-6-4 fertilizer; another recommends straight nitrogen. We have mostly Bermudagrass. What should we do? (Missouri)

A. The limestone is essential. With ample supplies of P and K in your fairway soils it is hard to see why you should apply anything but straight nitrogen. Eventually the levels of P and K will drop to the point where a complete fertilizer can be justified. Until that time you will get the greatest value for your fertilizer dollar in straight nitrogen.

Bentgrass Seeding

Q. We have used your suggested procedure for hydroseeding bentgrass seed with very good results. We seem to notice that we get quicker germination with hydroseeding than with ordinary dry broadcast seeding. Can you suggest a reason for this? (Indiana)

A. Research has shown that many seeds have substances in their seed coats that inhibit or delay germination. Soaking the seed overnight or washing the seed seems to remove the inhibitor. In the hydroseeder tank (spray tank) the seed is churned and agitated in a water-and-fertilizer slurry. This effectively removes the inhibiting substances so that, when the seed-fertilizer mix is sprayed on the prepared seed bed, it is ready to germinate at once. Records show that bent seeds often show sprouts in three days.

Chicagoland Golf Assn. Officers

Dan Taggart, Arlington (Ill.) CC, was elected president of the CGA at the November meeting of the association held at Long Grove (Ill.) CC. Fred Willey of White Pine GC was elected vp; John Coghill of Silver Lake CC was elected secretary; and George Gee, Sr. of Big Run GC was elected treasurer.

Second Pittsburgh Golf Show

The second annual golf show, sponsored by the Tri-State PGA, will be held in the Civic Arena in Pittsburgh, Mar. 12-14. Last year the show attracted more than 5,000 golf followers.