and generous fertilization, some relatively little. And, more recently, thatch was mechanically removed in strips across several of these interacting treatments.

Perhaps we shouldn't have been surprised to note that versatile Kentucky bluegrass adapted itself fairly well to almost any combination of treatments, and when once again (after five years) all the area was treated alike not a whole lot of difference could be noted in the sod attributable to former care.

Before resuming uniform care for this section of the grounds, the frequency of shoots and depth of thatch were measured, relative to the various treatments. This was accomplished by taking 20 plugs in spring from each test area under scrutiny, hand separating and counting the culms in the laboratory, and measuring the depth of thatch on the plug (as nearly as the exact limit of thatch can be estimated, often appreciably different on opposite sides of a plug). No claim is made for statistical significance to the differences noted; obviously, considerable chance is involved in just how dense a population of culms would occur in any given plug, depending where the plug was taken.

Some of the conclusions of Table I are the expected. For example, lower clipping should increase proliferation, giving a greater number of (but correspondingly dwarfed) tillers. On the other hand, it was somewhat surprising that the rate of fertilization seemed to make no long-term difference, either in extent of thatch or number of tillers.

Influence of clipping removal was not clear-cut. In most cases, leaving the clippings on the turf seemed to increase the thatch somewhat, but it had no influence on the density of the sod. However, under tall mowing, there was a slight indication that letting the clippings lie increased the number of shoots slightly.

Perhaps most strange was that thatch removal (the year previously) seemed not to decrease the thickness of the thatch, but actually to increase it slightly. The frequency of culms was increased somewhat, too, by thatch removal. Perhaps the area sampled here just happened to provide better growing conditions, which would tend to make more thatch more quickly, as well as provide somewhat denser turf.

Table I sums up these observations.

Summary
Kentucky bluegrass turf, after five years' comparative maintenance, showed:

### Northwest Spraymen's Association Defines Goals

"It is our main purpose to provide for our members a regional voice in any matters of concern to the professional applicator of pesticides, wherever that voice may be needed. In education, legislation, self-protection, self-inspection, public relations, and any other areas, the Pacific Northwest Spraymen's Association aims to be there providing leadership and help in any way that will best serve the public and our profession." These are the words of Bill Owen, president of the recently organized PNSA, as he describes the goals and functions of the association.

The Pacific Northwest Spraymen's Association is an organization of professional pesticide applicators, and is comprised of four regional groups in Oregon and Washington. It is incorporated under Oregon law and is also legally recognized in Washington, Idaho, and British Columbia. Owen notes that three years of effort have gone into incorporation and establishment of the organization.

Among the group's plans are the annual spraymen's conference (their 1966 Spray-O-Rama was held in Portland, Sept. 23-24), sponsorship of short courses for pesticide applicators in various spots throughout the area, public relations and educational programs, and the formation of committees to investigate group insurance plans and to work with legislators and other groups towards betterment of the profession.