

This summary brings out clearly the destructive effect of soil acidity upon soil micro-organisms and also the value of lime in overcoming the sad plight of these acid soils. Soils of plots 5 and 6 supported no vegetation in the field and plot number 4 permitted only a scattered growth of native vegetation. The greatly increased number of micro-organisms of the plot 6 soil after liming (from 2 to 116 millions) is due to the fact that on this extremely acid soil there remained more energy material which was rendered available when lime was applied.

I have purposely confined this article to a discussion of the living matter of the soil with the hope that its true significance may impress you as it has me, and if I have been successful then you too will realize that the soil is an exceedingly complex and mysterious body of matter, extremely sensitive to the changes we bring about within it each day. When failure comes then, let us blame ourselves and not the soil.

### Exchange of Club Information Is Profiting Westchester County Clubs

**CLUBS** in Westchester County (New York) have been exchanging menus, wine lists, data on course labor wages, caddie fees, locker-prices, etc., with such good effect that the suggestion comes for an extension of such circulation of facts and figures concerning golf club operation.

A professional who has had considerable close-up association with all departments of club operation, related to a member of GOLFDOM's staff numerous incidents of profit from the Westchester practice. Not enough of this sort of work is done by sectional golf associations, according to his observation. He is right.

Exchange of bulletins issued by the various sectional associations undoubtedly would give wide and helpful circulation to ideas that the various sections have found valuable.

## THOUSANDS DISTRIBUTED

**GROUP GOLF INSTRUCTION**  
SHEET NO. 1 SUPPLIED BY PROFESSIONAL GOLFERS ASSN. OF AMERICA

During the entire range of left hand with the fourth finger of right hand

Tip of thumb and base of first finger should be on a horizontal line as near as possible

Tip of thumb and base of first finger should be on a horizontal line as near as possible

These fits hold with left hand

RIGHT

LEFT

Tip of right hand comes and supports left thumb position

**GROUP GOLF INSTRUCTION**  
SHEET NO. 2 SUPPLIED BY PROFESSIONAL GOLFERS ASSN. OF AMERICA

No. 1. In this position the golfer should be in a balanced position with the club head in a vertical line as near as possible to the center of the body.

No. 2. As the club is raised the golfer should be in a balanced position with the club head in a vertical line as near as possible to the center of the body.

No. 3. In this position the golfer should be in a balanced position with the club head in a vertical line as near as possible to the center of the body.

No. 4. Open the knees and feet in preparation for the start of the back swing.

No. 5. The club head should be in a vertical line as near as possible to the center of the body.

Swing weight will fall on back in the address of all shots. This is essential in maintaining the balance of the body during the great back and forth.

**GROUP GOLF INSTRUCTION**  
SHEET NO. 3 SUPPLIED BY PROFESSIONAL GOLFERS ASSN. OF AMERICA

No. 1. Address. Right club is raised. Club is in line with the feet. The weight will fall on the back in the address of all shots. This is essential in maintaining the balance of the body during the great back and forth.

No. 2. The backswing originates in the left knee, moving quickly toward the right as the knees flex to take back the ball. Right knee moves "inside" of left. Right hip drops to support the weight. Left arm fully extended.

No. 3. Top of back swing. Club is horizontal position and pointing directly at ball. Feet are well set back, especially left. Right foot of both feet under club. Left arm fully extended.

No. 4. Following swing with left hand in swing is ground as weight is shifted on left leg. Clubface over hitting back on end of the club head and arms being extended along. The left arm is and left shoulder are far extended of swing.

Clubface at top of back swing

Follow through

The body stays in line of these positions

These three lessons sheets have been supplied free in any required quantity for high school or other public golf class instruction as part of the PRO-motion plan. The lessons were originated by Elmer Biggs and Art Andrews for highly successful use in group teaching at Peoria (Ill.) high school. Sheets in the above group constitute the first series and were worked out by PGA publicity committee, Frank Sprogel, chairman. More than 50,000 of the sheets have been applied for.