

IMPERIAL An exceptionally graceful "under the wires" tree that wins top honors from experts. It has a compact, regular crown, symmetrical branching, dainty, fresh green foliage. 30 to 35 feet. (Plant Pat. 1605)



HONEYLOCUSTS by Cole

ORIGINATORS OF PLANT SPECIALITIES

Four modern Cole introductions that lead the trend in modern landscaping styles



SKYLINE Has a stately, formal crown on a strong, sturdy trunk, abundant foliage on uniformly-spaced branches. 40 to 45 feet. (Plant Pat. 1619)

MAJESTIC Largest Cole Honeylocust (not illustrated) is a strong, graceful, spreading variety. Abundant, dark green foliage retains its richness in wet or dry soil. 60 to 65 feet. (Plant Pat. 1534)



SUNBURST Strikingly different two-color foliage is rich green with brilliant yellow on 8 to 10 inches of branch tips. Excellent branching forms a broad, symmetrical pyramid. 30 to 35 feet. (Plant Pat. 1313)

Tree experts and professional landscaper men have been quick to recognize the advantages of Cole Honeylocusts. They are making wide use of these distinctive trees in modern street and roadside plantings and in landscaping parks, recreation areas, cemeteries, golf courses, campuses, commercial and residential properties.

Cole Honeylocusts were developed by expert selective breeding to conform in size, coloring, shape and ultimate height with today's landscape architecture. They'll conform to your budget, too, because they transplant very easily, grow straight *without staking*, are strong and hardy, highly resistant to storms, drought and city conditions, cause no ground litter, need little maintenance.

THE COLE NURSERY CO.

1000 Acres - One of America's Largest Nurseries - Est. 1880

Phone: A/C 216 - 352-3121

2000 W. Jackson St., Painesville, Ohio

For more information circle number 120 on card

DOLLAR SPOT Continued from page 40 cent dry weight. Differences due to the type of nitrogen could also be detected at this time. Grass on the no-nitrogen checks had the highest per cent dry weight, followed by processed tankage and ureaform (Figure 3).

Activated sewage sludge, urea, ammonium nitrate, and sodium nitrate all

had about the same medium per cent dry weight. Ammonium sulfate was the lowest. Although the total amount of nitrogen applied was the same for each nitrogen source, the amount available to the plant for growth was different.

Mineral content of the foliage revealed that high levels of applied nitrogen increased potassium (Table 1). It has been

Continued on page 44

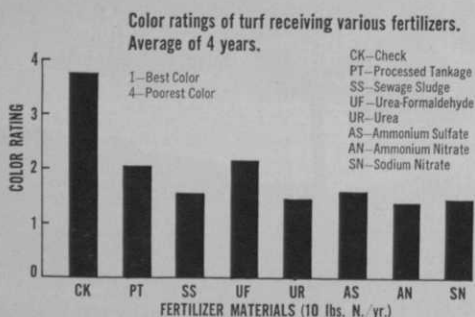


Figure 1 Color rating of Washington bluegrass fertilized with nitrogen from various sources. Note best color resulted from fertilization with activated sewage sludge and the readily available nitrogen sources.

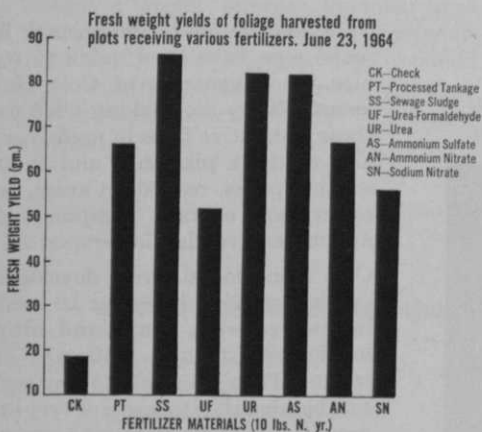


Figure 2 Fresh weight yields of foliage harvested from Washington bentgrass fertilized with nitrogen from various sources. Note least foliar growth in the check and most growth where turf was fertilized with activated sewage sludge, urea, or ammonium sulfate.

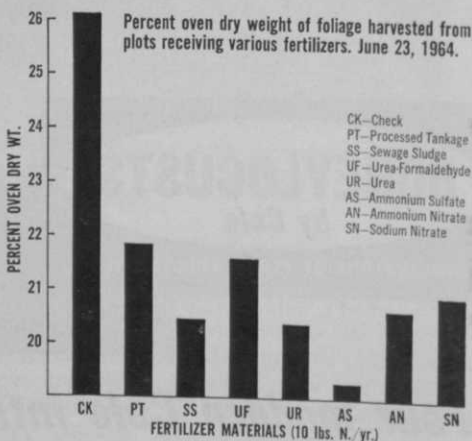


Figure 3 Per cent dry weight (dry matter) of foliage harvested from Washington bentgrass fertilized with nitrogen from various sources. Note highest per cent dry weight in the nonfertilized check and lower per cent dry weight where turf was fertilized with activated sewage sludge or readily available nitrogen sources.

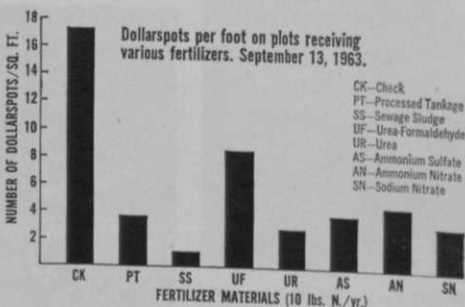


Figure 4 Number of Dollar Spots per square foot on Washington bentgrass receiving various nitrogen sources. Note most disease in September in the non-fertilized check and least disease where turf was fertilized with activated sewage sludge.

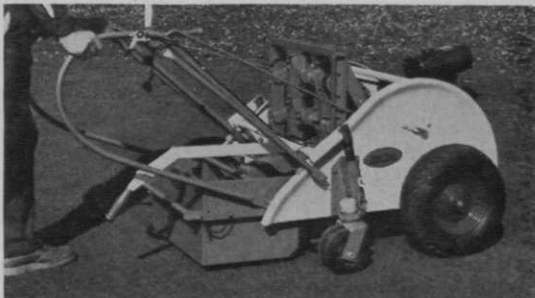
Use West Point equipment for one-man maintenance of turf. Save time and manpower with minimum disturbance to the golfer.

One man does it fast. Use the MVG-3 Master Verti-Groove and TCM-3 Catch-Master to Verti-Groove or overseed fairways in one operation. Save time and manpower. Give the golfer more playing time.



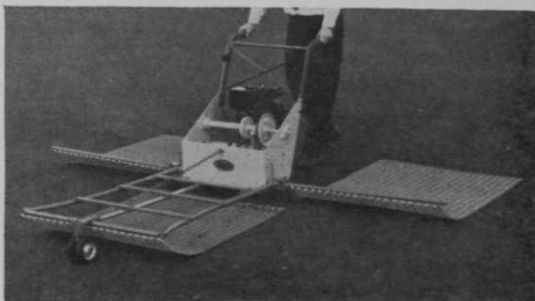
The MVG-3 Master Verti-Groove and TCM-3 Catch-Master. Proven the best fairway renovator of 1965.

One man does it fast. Use the MC-5 Vertifier with new Lifting Device and rubber Flexi-pads to core and clean greens in one operation with no disturbance to the golfer.



The MC-5 Vertifier with Core Catcher, new Lifting Device and tine-mounted rubber Flexi-pads. Proven the best puncher in 1965.

One man does it fast. Use the 3-gang PD-1 Power Drag to reduce green maintenance time. Save manpower. Mat greens three times as fast.



Use the PD-1 Power Drag to save time and manpower. Proven the best labor-saver of 1965.

For information and the name of your West Point distributor write

WEST POINT PRODUCTS CORP.

WEST POINT, PA.

For more information circle number 121 on card



Figure 8 Dollar Spot infection of Washington bentgrass fertilized with processed tankage at 10 lbs. nitrogen per 1000 square feet per year. Note high rate of infection as indicated by number of caps placed over each diseased spot—June 1964.

Figure 9 Dollar Spot infection of Washington bentgrass fertilized with ureaform at 10 lbs. nitrogen per 1000 square feet per year. Note moderate rate of infection as indicated by number of caps placed over each diseased spot—June 1964.

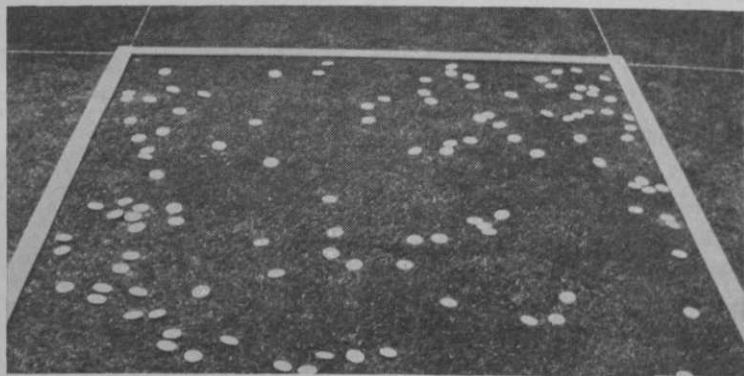


Figure 10 Dollar Spot infection of Washington bentgrass fertilized with Ammonium Nitrate at 10 lbs. nitrogen per 1000 square feet per year. Note moderate rate of infection as indicated by number of caps placed over each diseased spot—June 1964.

DOLLAR SPOT Continued from page 42

reported to be of value in increasing disease resistance. This study showed that as potassium increased, dollar spot decreased.

Amounts of copper and zinc also increased in the foliage of plants receiving

activated sewage sludge. Sodium content was higher in plants receiving Chilean nitrate of soda. It may be that these mineral elements are related to disease suppression.

The number of dollar spots per square feet varied with the nitrogen source (Figures 4 and 5). As yields increased,

Continued on page 46

Lewis Line

ACCESSORIES

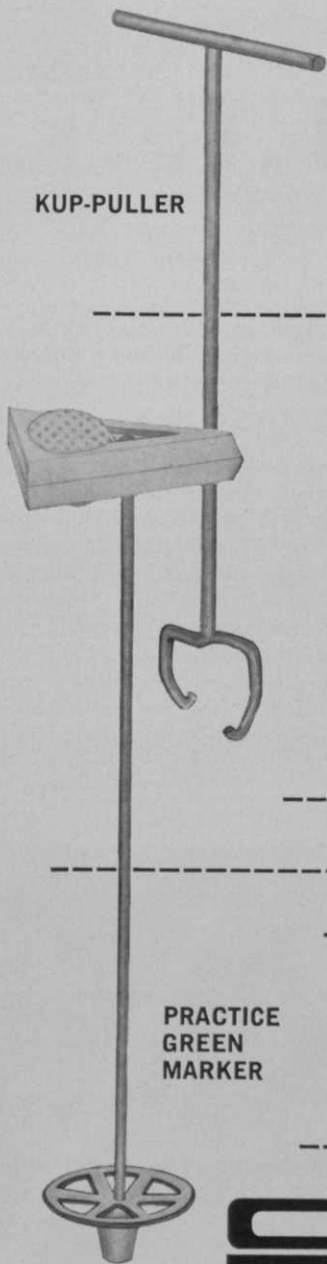
the costume jewelry of the Golf Course

Lewis Line accessories add a certain touch of elegance that reflects quality on your course. Each has been designed and crafted to perform its duty in quiet good taste. Highest quality construction, in materials that last forever, but at prices low enough to fit any budget. Shown are just a few of the many popular accessories available.

See your golf dealer or write for brochure and prices.

CONTAINER DEVELOPMENT CORP.
4102 Monroe Street Watertown, Wisconsin 53094

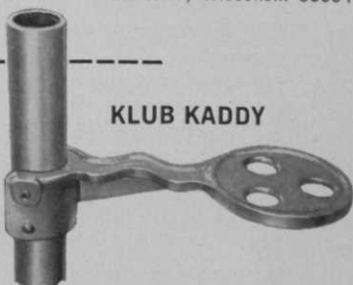
KUP-PULLER



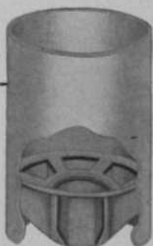
PRACTICE GREEN MARKER



TEE MARKER



KLUB KADDY



GREENS KUP



DATA PLATE



KUP SETTER

For more information circle number 122 on card

DOLLAR SPOT Continued from page 44

the number of dollar spots decreased. Fertilizer materials applied in sufficient quantities to stimulate the production of high yields significantly reduced dollar spot. Per cent dry weight of foliage showed a direct relationship to dollar spot. As per cent dry weights increased, so did dollar spot. Nitrogen sources, when supplied in adequate amounts to stimulate vigorous growth, decreased food reserves (per cent dry weight) and decreased dollar spot.

No-nitrogen check plots always had more dollar spot (Figure 6). Plots receiving five pounds of nitrogen per year were less diseased than the check, and were still severely infected with dollar spot (Figure 7).

As yet, the nitrogen source has had no effect on disease when applied at the five-pound rate. At the ten-pound rate, the grass showed a marked reduction in dollar spot. The source of nitrogen used made the difference. In general processed tankage, ureaform, and ammonium nitrate failed to give satisfactory results (Figures 8, 9, and 10). The least disease was noted where turf was fertilized with nitrate of soda and activated sewage sludge, (Figures 11 and 12).

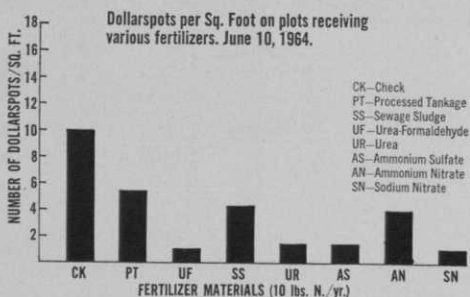


Figure 5 Number of Dollar Spots per square foot on Washington bentgrass receiving various nitrogen sources. Note most disease in June in the nonfertilized check and least disease where turf was fertilized with activated sewage sludge, urea, ammonium sulfate, or sodium nitrate.

Results of these tests at Iowa State University show that nitrogen is an important factor in promoting dollar spot resistance in Washington bentgrass. When adequate nitrogen is available, yields increase and dollar spot decreases. Dollar spot incidence was extremely bad on the no-nitrogen checks. At the low rate of five pounds actual nitrogen per 1000 square feet during the seven-month growing season, dollar spot was bad but less than the checks. There were no

Continued on page 48



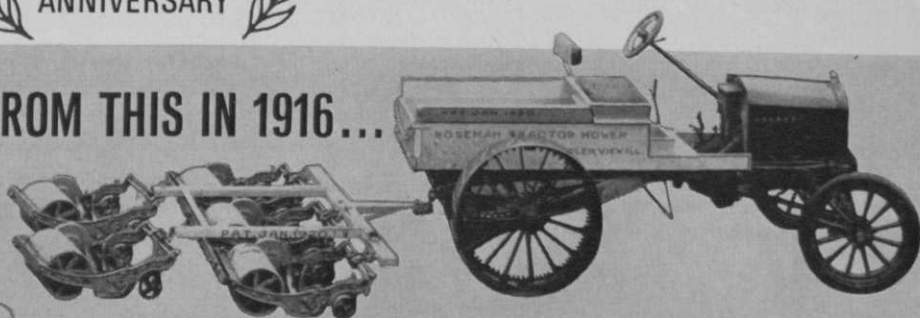
Figure 11 Dollar Spot infection of Washington bentgrass fertilized with nitrate of soda at 10 lbs. of nitrogen per 1000 square feet per year. Note low rate of infection as indicated by number of caps placed over each diseased spot—June 1964.

ROSEMAN MOWER CORP. ANNOUNCES THEIR

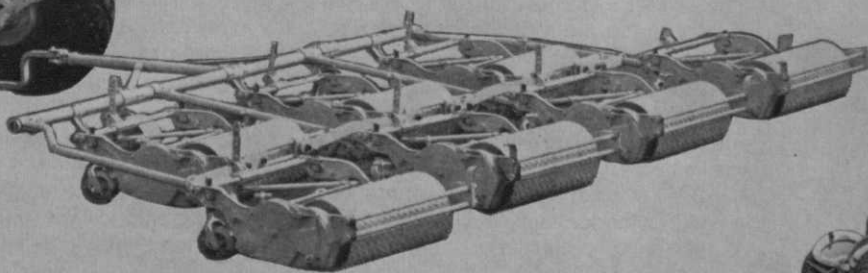
50th
ANNIVERSARY

PRODUCING THE WORLD'S FINEST
MOWING EQUIPMENT FOR GOLF COURSES...
PARKS...SCHOOLS...COLLEGES...
MEMORIAL CEMETERIES...INSTITUTIONAL
LAWNS and INDUSTRIAL TURF AREAS

FROM THIS IN 1916...



TO THIS IN 1966



ROUGH OR FORMAL CUT

Hollow-Roller drive models are available for mowing lawns, parks and golf course fairways where finest possible turf is desired. Hi-Cut, laminated puncture-proof tired models are available to mow taller growths and to improve appearance of meadow areas, toll road medians, airfields and similar turfed areas. Tractor-mounted, hydraulic lift models are available for mowing widely scattered areas. Available in 3, 5, 7 and 9 gangs.



Laminated Puncture-Proof
rear wheel Drive



Hydraulic lift type
Park Challenger

50th
ANNIVERSARY

ROSEMAN MOWER
CORP.

Nation-Wide Sales and Service

2300 W. LAKE AVE. • GLENVIEW, ILLINOIS

For more information circle number 123 on card



Figure 12 Dollar Spot infection of Washington bentgrass fertilized with activated sewage sludge at 10 lbs. nitrogen per 1000 square feet per year. Note low rate of infection as indicated by number of caps placed over each diseased spot—June 1964.

DOLLAR SPOT Continued from page 46

marked differences between nitrogen sources. At the high rate of ten pounds actual nitrogen, there was appreciably less dollar spot and significant differences between the nitrogen sources.

The water soluble nitrogen sources (urea, ammonium nitrate, ammonium sulfate, and Chilean nitrate of soda) were similar in their effect in reducing dollar spot. The exception was ammonium nitrate. Dollar spot was consistently worse where it was used, compared to the other water solubles. Among the organics, activated sewage sludge plots had the least dollar spot. They were

always equal to or better than the water solubles. In general, processed tankage and ureaform were less effective in suppressing dollar spot.

Emphasis should also be placed on proper use of fungicides. Increases in dollar spot resistance from nitrogen sources is not sufficient to be considered a substitute for fungicides. But an increased disease resistance from proper nitrogen use will make fungicides more effective.

Studies are continuing to more fully evaluate the cumulative effects of nitrogen sources, because different rates and times of application may in time influence the results. ●

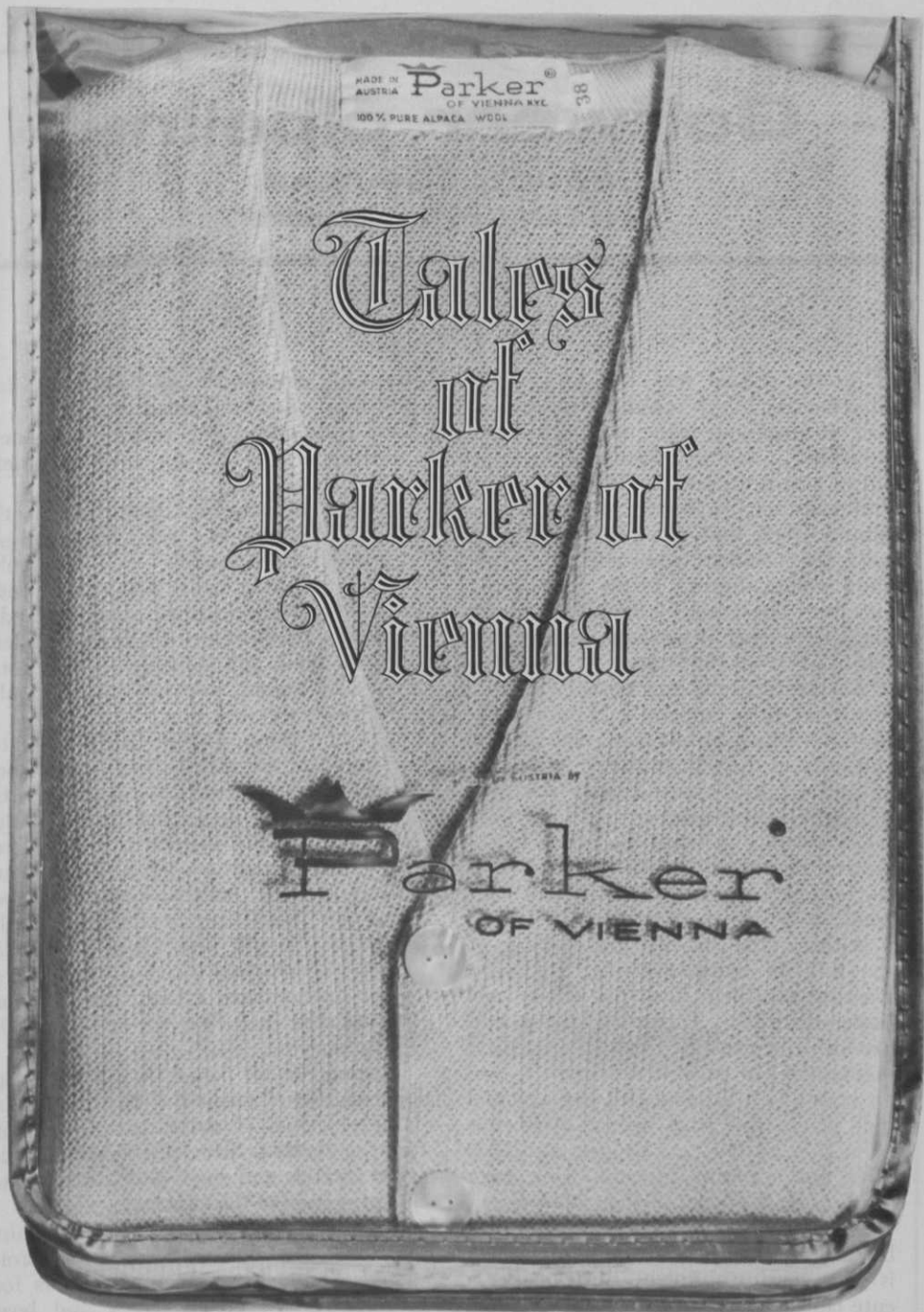
20 top golf resorts featured in folder

In a new, full-color illustrated travel folder, Cushman Motors, a Lincoln, Nebraska, division of Outboard Marine Corporation, provides a pictorial visit to twenty of the nation's top resort golf courses.

The folder features illustrations and descriptions from resorts and clubs in the United States, Canada and the Bahamas.

Adapted from Cushman Motors' new color movie, "Golf-A-Go-Go," the folder is an outstanding collection of resort and vacation information.

The film is being released throughout the country by Modern Talking Pictures Service Inc. For full information on both folder and film write to Cushman.



The international sweater for the American man

...announces the appointment of Aubuchon-Carnahan Sales Inc. as its national sales representatives to pro shops.

Prediction: That Parker of Vienna Alpaca Sweaters will be seen on the finest golf courses from coast to coast.

To be sure a representative calls on you with a showing of the complete line which includes 100 handsome colorings, contact Aubuchon-Carnahan Sales Inc., 220 California Ave., Palo Alto, California 94306...or write Parker of Vienna, Inc., 232 Madison Ave., New York, N.Y. 10016.

**Parker**
OF VIENNA INC.

Golfwear pipeline

By **JOYCE HAKLAR**
Golf/Golfdom fashion editor

For the second year, the recent PGA Merchandise Show (and its exhibitors) had to contend with unusual Florida weather . . . rain and floods the first day, frosty temperatures the following days, and constant wind that shook the exhibition tent, and those in it. But even with the weather problems, this year's show pulled through as the biggest and best yet. Those who visited Palm Beach Gardens during those four days in January liked what they saw.

Almost 125 exhibitors with 190 booths displayed their apparel and equipment to the visiting public and club professionals from throughout the country.

The apparel manufacturers are producing the best looking golf lines ever, while keeping in mind the needs of the golfer. The classic styles are still with us, but many new approaches are being tried.

A tour of the big tent and visits to all the exhibits found everyone vigorously working on their lines for newer and better items . . . Parker of Vienna now produces its sweaters in 89 colors (that's eighty-nine, in case you thought it was an error) . . . Edmont-Hill has a winter golf glove; the back side is wool, the palm side leather . . . Croston and Carr have put a piping of contrasting color on the breast pocket of their blazers . . . Lady Manhattan's line features poor boy shirts for spring in light cotton that is very airy . . . Annie Laurie makes a cute ladies' belt of imported embroidered ribbons and hats trimmed to match . . . Trousers by Newman, whose new distributor is Green Tee Associates, is

showing "plus-fours" and "plus-twos" in solid linens and well-balanced plaids . . . Gino Paoli added golf socks to the line, more skirts and a new color—Summer Kelly Green.

DiFini is featuring more "no pleat" slacks for men in iridescent fabrics, and plain front models with multi-colored double ring belts. The color trend is darker, with medium tones favored. In men's shirts, there are several styles of open mesh golf shirts in Durene cotton, silky pebbly weave Banlon mesh and Boucle weave cotton.

For the ladies, DiFini has put greater emphasis on coordinated styles and features all tailored Bermuda shorts with matching tops. There are more items of stretch materials, which are being increasingly accepted. Their new style golf skirts, with kick pleats in the front and back, are available in both traditional length and short California length. Keeping the needs of the golfer in mind, they have a Lady Plus line for the gal who no longer fits into her high school sweater.

Haymaker for ladies is emphasizing light shades of green and pastels, with a large selection of skirts and culottes of varying lengths. Sleeveless shells of Helanca stretch and boys' polo style shirts in cotton add to the new look.

Izod boasts a personalized club shirt on which the club crest can be embroidered. Short sleeve stripped velours for summer in v-, crew, henley and boat necks are featured, and a new style slack, now sporting tie silk belts of handsome color combinations. ●