

c) Association of improved strains of cool season grasses.

B - 27 Ky. Bl. + P.S. Chewings	Fes. + Col. Bents
Comm. Ky. Bl. + P.S. Chewings	Fes. + Col. Bents
B - 27 Ky. Bl. + Comm. Chewings	Fes. + Col. Bents
Comm. Ky. Bl. + Comm. Chewings	Fes. + Col. Bents
B - 27 Ky. Bl. + P.S. Chewings	Fes. + Red Top
B - 27 Ky. Bl. + Illahee Fescue	+ Red Top
Comm. Ky. Bl. + P.S. Chewings	Fes. + Red Top
Comm. Ky. Bl. + Illahee Fescue	+ Red Top

d) Pre-seeding soil treatments with herbicides for weed control in seedling turf. Ten materials at three rates followed by grass seedlings at three intervals (5, 15 and 30 days after treatment). Total of 756 individual plots 5' x 10'. Only material that was effective without serious injury was cyanamid. (Musser).

e) Highway slope control (Stanford).

- (1) Best adapted species. Replicated tests on 1½ to 1 slope (plots 30' x 12') of orchard, Alta fescue, red fescue, tall oats, poverty, crown vetch (separate and mulch seedings).
- (2) Production of seed-mulching materials. Studies of row versus broadcast yields, harvesting time and methods.
- (3) Off-season seedings and companion plantings of crown vetch with one and two grasses.

4. Disease control studies. Carried out at State College and Philadelphia. Comparisons of effectiveness of fungicidal materials (Thurston and Means).

Extension Work

Services of one full-time man on turf-problem consultation work and dissemination of information (Cooper). Special disease, insect and drainage problems

COMING EVENTS

- Mar. 6-8—Midwest Regional Turf Conference, Purdue University, West Lafayette, Ind. G. O. Mott.
- Mar. 10-11—Annual Turf Conference, University of Massachusetts, Amherst, Mass. Geoffrey Cornish.
- Mar. 13-15—1950 Greenkeepers' Conference, Iowa State College, Ames, Iowa, H. L. Lantz.
- Mar. 15-17—Third Cornell Turf Conference, Ithaca, N. Y. John F. Cornman.

handled by specialists in these fields. Total time devoted to turf problems by all these specialists, excluding Cooper, would probably amount to the full-time of one man. In 1949, there were 202 demonstrations, field meetings and tours and more than 6,500 individual contacts.

[EDITOR'S NOTE: This is the first of a series of articles designed to inform our readers on the development and progress in the turf programs at the several cooperating experiment stations. Through these articles we will learn what is being done, where it is being done and who is doing it. In effect, they will be progress reports. Detailed information will follow on results as the data are published by the experiment stations]

Pennsylvania was chosen to lead the series because (1) it is the only State where a complete program of Research, Teaching and Extension in turf is operative, (2) this month marks the completion of the turf research fellowship (James R. Watson) sponsored by the USGA Green Section from our Education Fund and (3) Pennsylvania's turf program is largely tax-supported.]

SUBSCRIBERS TO GREEN SECTION SERVICE

Associations

- Cleveland District of the Greenkeeping Superintendent Association, Cleveland, Ohio.
- Greenkeeper's Club of Western Pennsylvania (The), Irwin, Pa.
- Mid-Atlantic Association of Greenkeepers, Washington, D. C.
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Bowling Clubs

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 Davis Geo. A., Inc., Chicago, Ill.
 Davison Chemical Corp. (The), Baltimore, Md.
 Ditman, J. A. Laurel, Md.
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 Dreer Henry A., Inc., Philadelphia, Pa.
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 Lilly, Charles H., Co. (The), Inc., Seattle, Wash.
 Linek, O. E., Co. Inc., Clifton, N. J.
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 Mallinckrodt Chemical Works, New York, N. Y.
 Mangelsdorf, Ed. F. & Bro., Inc., St. Louis, Mo.
 McCullough, J. Chas., Seed Co. (The) Cincinnati, Ohio.

Merck & Co. Inc., Rahway, N. J.
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 Naco Fertilizer Co. Jacksonville, Fla.
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 Northrup, King & Co. Berkeley, Cal. (*)
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 Old Orchard Turf Nurseries Madison, Wis.
 Oliger, J. C., Seed Co., Akron Ohio.
 Peppard Seed Co. Kansas City, Mo.
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 Pfizer Chas. & Co., Inc., New York, N. Y.
 Philadelphia Seed Co., Inc. (The), Philadelphia, Pa.
 Philadelphia Toro Co. Philadelphia, Pa.
 Rain Bird Sprinkler Mfg. Corp., Glendora, Cal.
 Scarlet Wm. G., & Co., Baltimore, Md.
 Scott, O. M., & Sons Co. Marysville, Ohio.
 Scovill Mfg. Co., Waterbury Conn.
 Sewerage Commission, City of Milwaukee, Milwaukee, Wis.

Sexauer, Geo. P., & Son, Des Moines Iowa.
 Skinner Irrigation Co. (The) Troy, Ohio.
 Sluis and Groot of America, Inc., Palo Alto, Cal.
 Smith E. J. & Sons Co., Charlotte, N. C.
 Southern States Cooperatives, Inc., Richmond, Va.
 Spalding A. G. & Bros, Inc., New York, N. Y.
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 Sutton & Sons, Ltd. Reading, England.
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 Toko Mfg. Co., Minneapolis, Minn.
 Volkman C. M. & Co., San Francisco, Cal.
 Wagner, H. L. & Sons, Imbler, Ore.
 West Coast Fertilizer Co. Tampa, Fla.
 West Point Lawn Products, West Point, Pa.
 Whitney Seed Co., Inc. Buffalo, N. Y.
 Wood, T. W. & Sons, Richmond Va.
 Woodruff, F. H. & Sons, Inc. Milford, Conn. (**)
 Woodside Bent Grass Nurseries, Des Moines Iowa.
 Worthington Ball Co. (The), Elyria, Ohio.
 Worthington Mower Co. Stroudsburg, Pa.

Golf Club Ineligible for USGA

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Golf Course Architects

Bel, William P. & Son, Pasadena, Cal.
 Diddel & Johnson, Ormond Beach, Fla.
 Gordon, William F., Co. Bala-Cynwyd, Pa.
 Harris, Robert Bruce, Chicago, Ill.
 Jones, Robert Trent, New York N. Y.
 Lawrence, Robert F. Boca Raton, Fla.
 Maxwell, Perry, Tulsa Okla.
 McGovern, J. B. Wynnwood, Pa.
 Tull, Alfred H. New York, N. Y. (***)

Golf Course Construction

Raynor, Ralph I., Melrose Park, Pa.

Individuals

Bottoms, George D. Bottoms Gardens, Athens, Ala.
 Connell, Bud, Marion Iowa.
 Hall, A. F. Bethel, Kans.
 Korber, Mrs. Josephine W., The Wychwood, Great Neck, N. Y.
 Ladd Greeley, Minneapolis, Minn.
 Shearman, Mike, Sioux City, Iowa.

Park Departments

Des Moines, City of, Des Moines Iowa.
 Forest Preserve, District of Cook County, Chicago, Ill.
 Hartford Park Department, Hartford, Conn.
 Minneapolis, City of, Minneapolis, Minn.
 Palisades Interstate Park Commission, Bear Mountain, N. Y.
 Wichita Board of Park Commissioners, Wichita, Kans.

Private Estate

duPont, H. F., Winterthur, Del.

Schools

Father Flanagan's Boys Home, Boys Town, Neb.
 Georgetown Preparatory School, Garrett Park, Md.

(*) Placed two \$30 subscriptions.
 (**) Placed four \$30 subscriptions.
 (***) Contributed \$100 to Education Fund.

CONTRIBUTIONS RECEIVED FROM ORGANIZATIONS IN 1949

Augusta National Golf Club.....	\$ 1,000.00
Augusta Women's Golf Association....	10.00
Bond, R. R.....	150.00
Clapper, O. O.....	1,000.00
Detroit District Golf Association.....	750.00
Georgia State Golf Association.....	100.00
Golf Association of Philadelphia.....	100.00
Gruber, Al.....	25.00
Hall, A. F.....	5.00
Indiana Golf Association.....	250.00
Indianapolis District Golf Association..	250.00
Municipal Sports Fund of Los Angeles	507.47
Mississippi Valley Golf Supts. Assn.....	100.00
New England Golf Association.....	1,200.00
Conn. State Golf Assn.....	3300
Maine State Golf Assn.....	100

Rhode Island Golf Assn.....	300
Vermont State Golf Assn.....	100
Mass. Golf Assn.....	300
New Hampshire Golf Assn.....	100
Oklahoma Turf Association.....	200.00
Professional Gofers' Assn. of America	500.00
St. Louis District Golf Association.....	200.00
Shearman, Mike.....	5.00
Southern Golf Association.....	400.00
Southern Golf Association.....	250.00
Athens Country Club.....	\$ 50.00
Nashville Dist. Golf Assn.....	100.00
Sea Island Company.....	100.00
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