All electric golf cars are not created equal. Harley-Davidson's Master Drive™ is the unique two-circuit system designed to be economically superior. That's why our electric golf cars are the most efficient on the market today. Unlike other electric golf cars, the Master Drive System draws only half power at low speeds, and that means lower electrical costs. From our energy-saving starter to the special mold of our comfortable bucket seats, there is no finer electric golf car than a Harley-Davidson®.

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Landscaping Tees
French and Korobbo give ideas for dressing up tees to create the right first impression of the course

Looking at golf cars
In this first of two parts, Joe Much, NGF Regional Director looks at the factors involved in a fleet

Equipment maintenance
Jacobsen's turf equipment maintenance seminar was a big success in Lake City Community College

Golf Business South:
Combination fertilization
Gary Griggs explains his fertigation program which saves both time and labor at Tanoan CC

USGA Regional Report: Southwest
Dr. Hawes, USGA Green Section Mid-Continent Director, takes a Yankee look at Southwestern turfgrass

Overseeding across the South
Golf Business interviewed superintendents across the South to discover similarities and differences

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Brief bits of news from in and around the golf business.

Richard M. Phelps of Evergreen, Colorado, was elected the new president of the American Society of Golf Course Architects at the group’s annual meeting at the Gleneagles Hotel in Scotland. He succeeds Jack Kidwell of Ohio. Other officers are: Richard P. Nuget, Long Grove, Ill., vice president; Arthur Jack Snyder, Phoenix, secretary; and Theodore G. Robinson, Westlake Village, Calif., treasurer. New members of the Board of Governors are: Dave Bennett, Austin, Tex., Thomas E. Clark, Wheaton, Md., X.G. Hassenplug, Pittsburgh, and John Watson, Lachine, Quebec, Canada. Continuing on the board are: Dr. Michael Hurdzan, Columbus, Oh., Gerald Matthews, Lansing, Mich., R.T. Jones, Jr., Palo Alto, Calif., and Roger Packard, Lagrange, Ill.

The Society has also published its 1980-81 membership list. The new list includes a map showing the location of the various members. Write the American Society of Golf Course Architects, 221 N. LaSalle St., Chicago, IL 60601.

Lakeshore Equipment & Supply Co. has named Art Wick to fill the newly-expanded position of Product Manager of Fertilizer and Turf Seed. Art will be responsible for product development and marketing, research coordination and product technical training. He has been with Lakeshore since 1971.

Frank “Butch” Gill is the new representative for Northrup King’s Medalist overseeding program. Gill will work directly with NK distributors and golf course superintendents, covering seven southeastern states. He joined Northrup King’s Sawan Division in 1975 as a Territory Manager and was named to NK’s 1979 Honorary Sales Council.

Pickseed West will soon begin promotion of their new America Kentucky bluegrass. According to Mike Robinson, Marketing Manager for Pickseed, an extensive 15-year breeding program has produced a unique, low and compact, dwarf-type plant with a very slow rate of vertical growth. America has dark green, fine textured leaves and extremely good disease resistance. It will also perform well in shade.

Sept. 29 is the date for the Midwest Turf Field Day. It will be held from 9:15 to 3:30 at the Purdue Agronomy Farm on U.S. 52 near West Lafayette, Ind. Contact Dr. W.H. Daniel, Dept. of Agronomy, Purdue University, West Lafayette, IN 47907.

The 16th Annual Turfgrass Equipment, Irrigation, and Supplies Field Day will be held at Rutgers Stadium and Golf Course in Piscataway, New Jersey on October 7. Contact Dr. Henry W. Indyk, Executive Director, Soils & Crops Dept., P.O. Box 231, Cook College, New Brunswick, NJ 08903, phone: 201/932-9453.

The 20th Annual Southern California Turfgrass/Landscape Equipment & Materiale Educational Exposition will be held October 15-16 at the Orange County Fairground in Costa Mesa, California.

The Florida Turfgrass Association is returning to its roots, holding their annual conference at the University of Florida in Gainesville. Cowboy hats, a “rodeo”, and western barbeque will set the mood for the 28th Annual Conference and Show, October 19-22. Contact: FT-GA Executive Office, 1520 Edgewater Dr., Ste. E, Orlando, FL 32804, phone 305/425-1581.

New Jersey Turfgrass Expo ‘80 is December 8-11 at the Cherry Hill Hyatt House in Cherry Hill. This year’s program will commemorate the 10th Anniversary of the New Jersey Turfgrass Association. Contact Dr. Henry Indyk at the above address.
Lawsuit filed against Calif. pesticide regs

A suit filed in U.S District Court in Sacramento, California earlier this year claims that California's new pesticide regulations conflict with federal law. Filed by the National Association of Chemical Applicators (NACA), and joined by the Chemical Specialties Manufacturers Association, the five-count suit challenges CDGA's authority to:

—Require pesticide manufacturers to register pesticides with California when the U.S. Environmental Protection Agency has already approved and registered the products under FIFRA;

—Regulate the labeling of pesticides, which the plaintiffs contend is controlled by EPA under FIFRA;

—Delegate to the State's county commissioners the responsibility for issuance of permits for the possession and use of restricted-use and non-exempted agricultural pesticides, action which the suit contends is contrary to the intent of Congress;

—Establish lower tolerances for residues of pesticides in or on raw agricultural commodities than EPA sets under the Federal Food, Drug and Cosmetic Act; and

—Release to the public or allow competitors to use trade secret data submitted by the plaintiffs in support of pesticide registrations.

McLoughlin named as Executive Director of GCSAA

James E. McLoughlin will begin his duties as the Executive Director of the Golf Course Superintendents Association of America in September, according to an announcement made by GCSAA President Melvin B. Lucas Jr., CGCS. In making the announcement, Lucas said, "GCSAA recognizes there are many new challenges facing the golf club industry in 1980's and the Association's continued goal is to be a responsible contributor within this forum. The future welfare of the golf club, turf and field industries will require greater communications among all golf related organizations in the years ahead, and, often, a common effort. Jim McLoughlin's diversified background will facilitate GCSAA's support of this concept." McLoughlin has served as Executive Director of the Metropolitan Golf Association (MGA) since 1986. MGA is the nation's oldest and largest district association and serves more than 225 private and public clubs within the tri-state metropolitan New York area. The services provided include a computerized handicapping service, a course rating and measuring program, an active tournament program, rules service and tournament counseling, junior golf program, and numerous programs designed to help individual clubs in areas of taxation, finance, management and liaison among club officials.

In accepting the position, McLoughlin stated, "It is important to recognize that the superintendent works within a challenging club environment where the game of golf is intended to be played in a very special way. Accordingly, the superintendent will be faced with new responsibility and abundant opportunity in the years ahead. It is the GCSAA's role to prepare its members for these eventualities and to support the game of golf and the industry within which it exists."

McLoughlin is a graduate of Holy Cross College and holds a law degree from Fordham University and a Master's in physics from Syracuse University. He was a high school physics teacher and coach for six years before taking the Executive Director position at MGA. He and Mary Ellen have been married for 20 years. They have three children and currently reside in Pleasantville, New York.

Electrostatic sprayer cuts chemical use in half

A prototype 12-row sprayer, built by FMC Corporation, was scheduled to be demonstrated in late June at a Tifton, Georgia 'field day', sponsored by EPA, USDA and the Georgia Agricultural Experiment Station. The sprayer is capable of reducing water to the extent that only half the amount of pesticide is needed per acre, compared with the amount used by a conventional sprayer. The concept is that particles with an opposite charge to that of the plants being sprayed will be attracted to the leaves and adhere. Most of the chemical will then be directed to the plant foliage with very little passing completely through the canopy. The University of Georgia has licensed patent rights to develop the sprayer for commercial use to FMC Corporation.

Ault, Martin elected new regular members of ASGCA

Brian Ault of Wheaton, Md., and Jerry Marin of Costa Mesa, Calif., were elected Regular Members of the American Society of Golf Course Architects at the group's recent annual meeting in Scotland. A graduate of Charlotte Hall Military Academy and the University of Maryland, where he received an associate degree in civil engineering, Ault is an associate architect with the firm of Edmund B. Ault, Ltd., in Wheaton, Md.

A graduate of the University of Arizona with a degree in area development, Martin is now a member of the firm of Jack G. Raub in Costa Mesa. The ASGCA is comprised of leading golf course architects from Canada, Mexico and the United States.
Superintendent skills

By Jim Converse

Jim Converse is one of America's leading botanical artists. His paintings and drawings have appeared in numerous national publications, and his weed and weed identification books have become standard tools of the trade. Jim is far more than a botanical artist, however, with years of practical turf experience. Before assuming turf management responsibilities at OM Scott & Sons Company, more than 20 years ago, he worked as a golf course superintendent. After tours in Scotts Research and Retail Training areas, Jim was transferred to the ProTurf Division where he headed their training and educational programs. He is currently concentrating his talents in the area of visual communications.

Changes

A wise man recently observed that people born during the year 1948 have lived through more changes in their lifetime than all the world's previous history. That's a rather profound lifetime than all the world's previous people born during the year 1948 have these few years it has truly been an thought, especially when we consider their training and educational programs. He is that our earth may be millions of years currently concentrating his talents in the area of Company, more than 20 years ago, he worked as a Research and Retail Training areas, Jim was practical turf experience. Before assuming turf more, it's not good for especially when we were so hard to con- no longer be used. It's confusing and tant point we have learned is that we helped give us a new found sense of turf, they also increased our prestige turfs are the right answer for impor- We've changed our thinking about ryegrasses. Our early turf fertilizers were anything but predictable and without "watering in" there was almost a guaranteed burn. Today there are many such products compounded in dozens of specific ways to deliver exceptional, predictable results. It would seem that little more could be done with fertilizers, but technology can only promise even more dramatic changes for the future. The emergence and proliferation of chemical controls for turf problems covered a relatively short period of time. We watched, doubted, evaluated and soon learned to place great dependence on many of these compounds as unequaled problem solvers. They not only enhanced our ability to maintain an excellence in turf, they also increased our prestige and professionalism. Most of all they helped give us a new found sense of security that had been almost impossible to find in the past.

Now we are told that many of these old standby compounds that "really get the job done" are not good for "something", or "someone" and can no longer be used. It's confusing and sometimes difficult to accept, especially when we were so hard to con- vinced in the first place. But, an important point we have learned is that we can somehow manage the change and still manage the turf.

There have been many other impressive changes in golf course maintenance. Turf equipment has moved from a clattering inefficiency to flota-
When Dave Portz renovated 14 fairways with Roundup®, the members played the same day he sprayed.

Cleaning up a weedy fairway doesn’t have to be a slow, messy job for you—or a hardship for your golfers. Roundup® herbicide helps make renovation fast and efficient—as Grounds Superintendent Dave Portz discovered last year.

"If we had chosen to plow the course under, we would’ve had to close it," Dave says. Instead, he applied Roundup on 14 weedy fairways, and reopened the course the same day. While Roundup worked, the members played over the dying turf, with no problems.

The members—and Dave—liked that. They were glad, too, that Roundup won’t wash, leach or volatilize to injure desirable plants along the fairway. Dave simply took precautions against spray drift.

This year, reach for Roundup to control many tough weeds. It can make turf renovation fast and efficient for you—and leave a lot more playing time for your golfers. For literature, call 1-800-621-5800, or in Illinois, 1-800-972-5858.

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There’s never been a herbicide like this before.
New concepts for landscaping tees

By J.A. French and R.P. Korbobo

From Disuse to 'Tee Garden'
The championship first tee at Faragote CC in Jamestown, N.J. fell into disuse for 20 some years. Shown at top left, the same tee, two years later at top right after landscaping. Second row left shows the view of the tee from the practice green. The pro shop is at the right. Right, the foreground shows part of the Tee Garden special feature. In the background is the every day first tee. Third row left and right are also views of the first tee from different angles.

Fourth row left shows properly designed steps and retaining walls which can turn a mediocre tee into a real pleasure. Right, a screen planting of hemlocks blocks a view into a dusty service road and acts as a windbreak. Bottom left, a massed planting of young American holly separates a new super highway and the first tee at Canoe Brook CC in Summit, N.J. Right, this view of the first tee at Faragote shows the neat, clean-cut look, even in the winter time.

There is a new wave of thinking by people involved in the game of golf regarding landscape treatment of the tees at American golf courses. This change in attitude has been evolving over the past 15 to 20 years. We might even call it a post World War II phenomenon. There is no doubt in our minds that a club here and there has dressed up the 1st tee before this era, but they were certainly few and far between. Recently, we have observed not only the 1st tee but additional tees on the same course showing an obvious attempt at "dressing them up." This article will explain the basic design requirement necessary to achieve a pleasant, functional, and satisfying landscape design for almost any tee. Of course, we feel that the 1st and 10th tees should get first attention in the majority of cases.

First impressions
Have you ever noticed to what great expense some business firms go in order to "set the mood" for the visitor as he or she approaches and enters the main doorway? Frequently the office of a business is a part of the total business structure or building, most of it designed for function and cost efficiency. It is simple and drab. However, the front office understands very well how extremely important the entrance to that building must be.

Well, in our visits to many golf courses we are surprised to see the 1st tee looking like anything but a good first impression builder. In fact, they are very often, due to heavy traffic, bag racks, caddie areas, etc., etc., the worst looking tee on the course. There are broken and bent bag racks, paper cups and bottles along with empty golf ball boxes and cigarette packages making up the "1st impressions" of the golf course.

This, in contrast to the polished brass of stainless steel doorways to business establishments, sets the stage for a lack of respect for the entire golf course. If people enter a spotless and highly maintained landscape area of any kind, the usual sub-conscious message from the eye to the brain says, "I'd better be careful of my own personal conduct around here." That is precisely what you want all golfers to feel as they approach the 1st tee on your course. The more respect the golfer has for your course, the more care he will give it. In fact, they will brag about your course to their friends.

A few years back, a husband and wife golf professional team at a New Jersey course conducted a survey of their membership as to the number one item of importance to them when they were out on the course. The women came up with flowers and the men said trees. (Apparently they take a good turf for granted.)

Since it is basic to good golf course landscape design to keep flowers and flowering shrubbery out of all areas of play, the best place for such landscape materials is around the tees. (Wild flowers or bulbs in the rough are exceptions.) This is perfectly logical, too, because around the tee is about the only time the amateur golfer can relax his concentration on the game and take time to appreciate the natural beauty of the golf course. This is especially true of par three holes where the logjams so often occur. During such lulls, there is a time to enjoy the results of attractive plantings.

Club competitiveness
In fact, since many courses have to compete with neighboring courses for golfers and their greens fees, this is a successful way to pamper the patrons. A properly designed golf course landscape can become an important aspect of the course itself as far as conversation is concerned. Just think back to how many times the sports announcers who do the "Masters" refer to the "spectacular display of azaleas and dogwoods" that enhance that very prestigious layout. Many people still are surprised to hear that the Masters course at Augusta, Georgia was cut out of a former landscape nursery.

New concepts for landscaping tees will continue in the September issue of Golf Business.
E-Z-GO. Found at the world's finest courses.