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- 3 ☐ Daily fee
- 4 ☐ Municipal/County/State
- 5 ☐ Hotel/resort
- 6 ☐ School/College/University
- 7 ☐ Military
- 8 ☐ Manufacturer/rep.
- 9 ☐ Dealer/distributor
- 10 ☐ Course builder/architect,
agronomist, other allied to golf
- 11 ☐ Other (specify) _____

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(check one only)

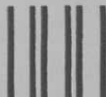
- 1 ☐ Owner ☐ Partner
- ☐ Golf course corp. president
(not elected official)
- 2 ☐ General manager
- 3 ☐ Director/commissioner of parks & rec.
- 4 ☐ Superintendent
- 5 ☐ Assistant superintendent
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- 8 ☐ Elected club official
(specify title below) _____
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- 2. Does your facility operate a
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☐ Yes ☐ No
- 3. Total yardage of facility: _____

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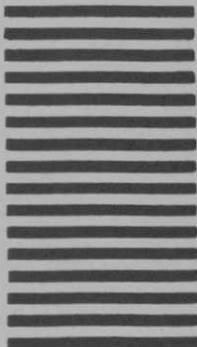
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Golf in the Southeast/p. 18



Maintenance at Florida course/p. 26



Grass and weed trimmers/p. 34

golf business/ february

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FRONT COVER:

Norm Wyman, surrounded by some of the modern machinery he uses to maintain his golf course, Wellington One, in West Palm Beach, Fla.



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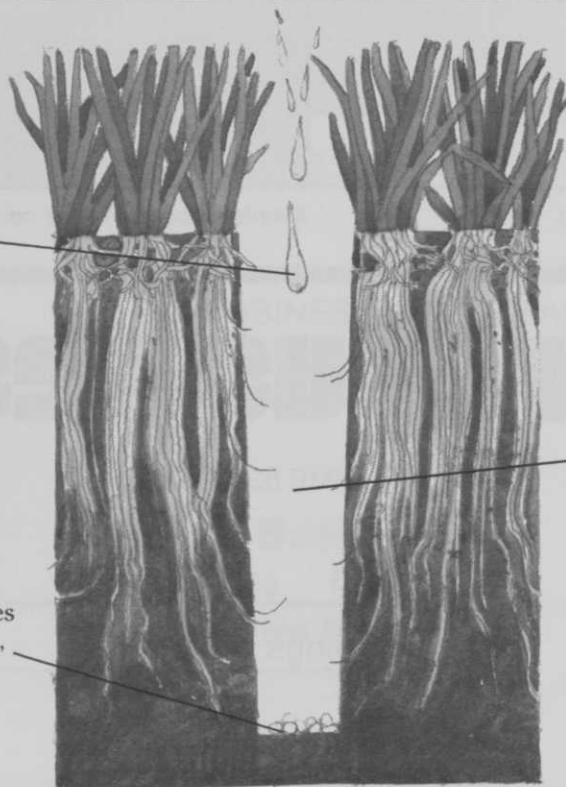
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News

REGIONAL MEETINGS

Poa good for fairways, Vargas says in Maryland

Perennial ryegrass and annual bluegrass are the only really suitable turfs for golf course fairways, Michigan State University's Dr. Joseph M. Vargas told golf course superintendents at last month's Turfgrass '79 meeting in Baltimore.

"You are going to get 80 cents back on the dollar when you use perennial ryegrasses, as opposed to 5 cents back on the dollar for Kentucky bluegrasses," Dr. Vargas said.

The event, held January 8-10 at the Baltimore Hilton, drew more than 450 attendees. There were 42 exhibitors in 53 booths.

"I have heard my 'buddy' *Poa annua* called the 'failure grass,'" he

system and a substantial amount of money for mowing equipment, but yet "say they can't afford from \$7,000 to \$10,000 a year for a preventive fungicide program." He said for an average golf course, it takes about \$1,000 a spray for between seven and 10 sprays a season.

Angelo Cammarota, superintendent of Hobbit's Glen Club, Columbia, Md., was given an award as retiring director of the Mid-Atlantic Golf Course Superintendents' Association. The "godfather" of the Mid-Atlantic was also named a new director of the Maryland Turfgrass Council.

The Mid-Atlantic also awarded William J. Emerson, superintendent

RIGHT: Dr. Joseph Vargas recommends perennial ryegrasses and even *Poa annua* for fairways. LOWER RIGHT: William Emerson, past president of Mid-Atlantic GCSA.



told the audience. "In many cases, if it wasn't for *Poa*, they would not have anything but bare soil. Golf course superintendents have been trained for many years that *Poa annua* is a weed, and it just isn't so."

Vargas said that more research is needed on fertilization needs of perennial ryegrasses and annual bluegrass.

"We have a whole lot of research on Merion bluegrass," he said, and added jokingly to make his point, "but there is not enough Merion left on fairways in this country to fill a football field."

He also said that country clubs spend anywhere from \$50,000 to \$500,000 for an automatic sprinkler



of Towson (Md.) Golf and Country Club, its past president award. David S. Fairbank, superintendent of Army-Navy Country Club, Vienna, Va., was given the "Outstanding Service" Award.

TURFGRASS SEED

Coated seed will be available in spring

A Canadian firm, Oseco, Inc., has announced that it will introduce a coated grass seed mixture, HB-3, next spring.

The mixture contains Baron Kentucky bluegrass, Highlight chewings fescue, and either Pennfine or Manhattan perennial ryegrass.

Advantages of the coating, which contains phosphorus and a bit of lime, are improved germination especially under dry conditions, healthier establishment, and protection against fertilizer burn.

Oseco will custom coat other varieties of grass seed, if the order is large enough.

For further information, contact Oseco, Inc., P.O. Box 219, Brampton, Ontario, Canada L6V 2L2 (phone 416/457-5080).

RESEARCH

Wear simulator test results released

A wear simulator designed to measure comparative wear tolerances of turfgrasses was recently designed and constructed by turf scientists with the Texas Agricultural Experiment Station, under a grant from the United States Golf Association Green Section.

Test comparisons of 47 turfgrasses indicated that the simulator could separate turfgrass wear from soil compaction, could operate on a small-plot experimental basis, and could distinguish the relative wear tolerances within species and cultivars.

Test results also revealed that, as a group, the improved turf-type perennial ryegrasses have superior wear tolerance compared to fine-leaved fescue, rough bluegrass, and creeping bentgrasses.

However, as has been observed in the case of over-all winter turf performance, there is not a great deal of difference in wear tolerance among many of the recently released turf-type perennial ryegrasses.

Future plans call for the more wear tolerant grasses from the study to be combined into specific mixtures to determine if such polystands show superior wear

tolerance to the commercially available seed mixtures and blends.

Dr. James Beard, professor with the experiment station and Texas A&M University, said, "The research results here are part of a continuing series of investigations aimed at developing improved turfgrass and turfgrass cultural systems more resistant to turf wear and injury."

PESTICIDES

Shell and Dow stop making DBCP

The Shell Chemical Co., a division of the Shell Oil Co., is no longer manufacturing the pesticide DBCP (dibromochloropropane) in the United States and has no plans to import it, according to Rich Hansen, senior public affairs representative for the company. It was incorrectly reported in the November issue of GOLF BUSINESS and other publications that Shell was still importing the chemical for limited use.

J. S. Oostermeyer, general manager of Shell Chemical Co.'s agribusiness operations, said, "We believe DBCP is a good product that can be made in the U.S. even under the strict controls set by the Occupational Safety and Health Administration, but it will have to be made by a specialized producer, not someone like Shell that primarily makes large volume chemicals."

Shell marketed the product under the trade name Nemagon. The Dow Chemical Co., which sold DBCP under the Fumazone label, also discontinued making and importing the chemical about 18 months ago, according to W. C. Huck, a spokesman for the company's Agricultural Products Department.

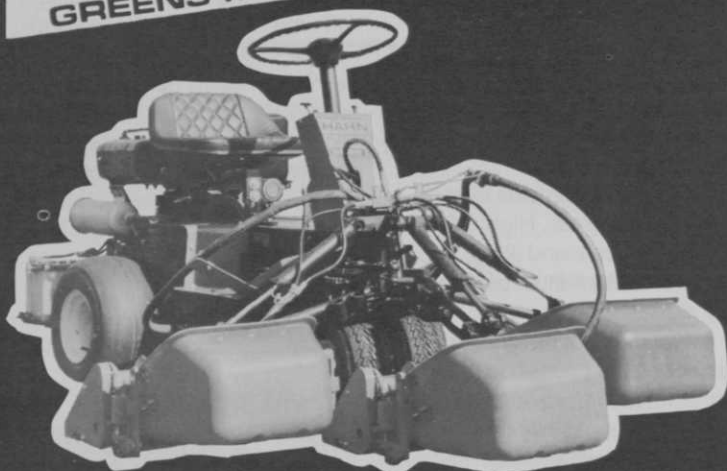
Research revealed that excessive exposure to DBCP vapors damages the kidneys, testes, liver, and other tissues and also causes sterility in human males.

In 1978 OSHA set the maximum employee exposure standard at one part per billion during any 8-hour period. "We thoroughly reviewed the problems of manufacturing DBCP within the (OSHA) standard and concluded it was not feasible with our equipment," Oostermeyer said.

Although Shell will no longer produce the chemical,

Hahn

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Oostermeyer praised the Environmental Protection Agency for its action concerning the chemical. He said the agency's decision to cancel some uses of the product, but allow others, was made after serious and thoughtful consideration of the product risks and its benefits to society.

COMPANIES

Boots and Hercules plan joint company

Hercules Inc., of Wilmington, Del., and Boots Co., of Nottingham, England, have agreed in principle to the formation of a joint company, Boots-Hercules Agrochemicals Co., that will manufacture and sell agricultural and turf chemicals in North America.

Hercules is a major supplier of chemicals to the turf and agricultural industries both in the United States and internationally. Boots is active in agrochemical research and development and is also a leader in the worldwide manufacture and marketing of agrochemicals.

Formation of the joint venture will facilitate the expansion of Boots' products in North America, adding new products to Hercules' established line of agrochemicals. The agreement is subject to detailed legal agreements and approval by the British government.

Wisconsin Marine begins construction

Wisconsin Marine, Inc., of Lake Mills, Wis., has begun construction of a new 100,000-square-foot manufacturing plant. The plant will consolidate manufacturing operations currently taking place at three separate locations. The company manufactures Bob Cat lawnmowers and snow blowers.

The firm also announced that an agreement with Ransomes Sims and Jeffries, Ltd., of Ipswich, England, will expand their marketing into a complete line of reel mowers.

REFERENCE

Turfgrass slide programs available

Two 35-millimeter slide sets, one concerning turfgrass insects of the Northeast and the other about turfgrass diseases, are available from the New York State Turfgrass Association.

Dr. Haruo Tashiro of the Cornell University Agricultural Experiment Station developed the 76-slide program concerning turfgrass insects and Dr. Richard Smiley, also of Cornell, compiled the 66-slide set about the identification and control of turfgrass diseases.

The sets can be purchased from NYSTA at a cost of \$20 for New York state residents and \$25 for out-of-state residents. Checks should be made payable to the New York State Turfgrass Association and mailed to Ann Reilly, Executive Secretary, 210 Cartwright Blvd., Massapequa Park, NY 11762.

PUBLIC COURSES

Proposed university golf course opposed

The proposed construction of a university-owned and operated golf course at Oregon State University in Corvallis, Ore., has caused much discussion between proponents and opponents of the project.

Against the protests of area golf course owners who say a course run by a public institution would be unfair competition, a subcommittee of the State Board of Higher Education voted in December to recommend leasing the university-owned land to the OSU Foundation to begin the project. The foundation is a private, nonprofit organization that raises funds for the university. The subcommittee presented recommendations to the state board January 26. The board, which must approve all capital improvements made by the university, will make a decision concerning the project.

Those who favor the plan argue that a university-owned course would better serve the school's golf team, faculty, and students. Opponents of the project say a course run by a public institution on tax-free land would be unfair

competition for owners of public courses in the area.

Jerry Claussen, president of the Oregon Golf Course Owners Association and owner of the Golf Club of Oregon in North Albany, Ore., said the two-county area surrounding the university cannot support an additional course. There are currently three 18-hole courses (one public and two private) and three nine-hole public courses in the area.

"As a long-range concept a new course is not a bad idea, but right now the market will not support another golf course," Claussen said.

CONSTRUCTION

More new, remodeled golf courses in '79

The construction of more new golf courses, including a growing number of executive courses, and increased remodeling of older courses will occur in 1979, according to Rees Jones, president of the American Society of Golf Course Architects.

"During 1978 we saw many more real estate-oriented projects move from the drawing board to reality," Jones said, "and we see this trend continuing in 1979 as developers continue to recognize the pulling power of a quality golf course."

Jones added that executive and shorter length courses for senior citizens, women, and juniors will continue to gain favor. "These shorter courses, especially if they are a second course at a club or municipal facility, offer many advantages," he said.

Jones also noted that many courses built 25 or more years ago are outmoded because of the improved equipment available to today's golfers. "In many cases, older courses require new trapping, as well as revised greens and tees. Multiple tees, for instance, can add variety and new challenges to an existing course," he said.

Six Cleveland-area courses threatened

Increased sales of golf courses in major metropolitan areas appears to be a nationwide trend and Cleveland, Ohio, seems to be a good example. The proposed

construction of housing developments has imperiled six courses in the Cleveland metropolitan area: Tam-A-Rac, Lost Nation, Lander Haven, Lyndhurst, Homelinks, and Moreland Hills. All but Lander Haven are public courses.

Robert Negrelli, a Cleveland-based developer, has purchased Moreland Hills Country Club and Lander Haven Country Club and has the option to buy Lyndhurst Golf Course.

Negrelli told GOLF BUSINESS construction has already begun on the 70-acre Moreland Hills course where he plans to build a community of luxury homes on 2-acre lots.

Negrelli said he also plans to transfer ownership of Lander Haven before the start of the new season. The club currently consists of a 27-hole facility and a 9-hole short course. "We have no intention of immediately developing it, but eventually we would like to build some luxury condominiums around a nice 18-hole course," he said.

Negrelli also has the option to buy Lyndhurst Golf Course, but he doesn't yet know if he will exercise that option. "We are currently running into problems with the city of Lyndhurst concerning utilities in the area," he said.

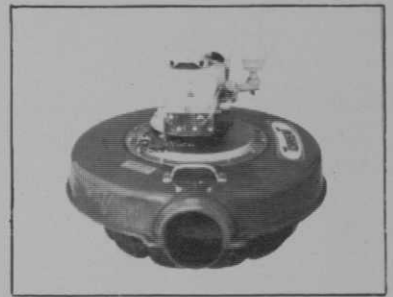
Although actual construction may still be a long way off, Tam-A-Rac Country Club and Lost Nation Country Club are also slated to become housing developments. Tam-A-Rac has to be re-zoned before construction can begin, and the developers of Lost Nation must overcome some problems concerning water service to the area.

An agreement with the developers of Lost Nation requires them to retain 100 acres as a golf course for 20 years, with the city of Willoughby having the first option to purchase the land. Building plans for Tam-A-Rac call for condominiums and single-family homes to surround a 9-hole course. The Homelinks Golf Course is also scheduled to become a multi-family development of apartments, townhouses, and duplexes. Nine holes of the course will remain open to the public.

Negrelli said developers usually don't set out to purchase golf courses, but are generally contacted by the course owners or representatives for the course. "It's unfortunate, but owners are being forced out of business because of higher taxes and maintenance costs. And they often do not raise their greens fees because they are afraid of losing business," he said.

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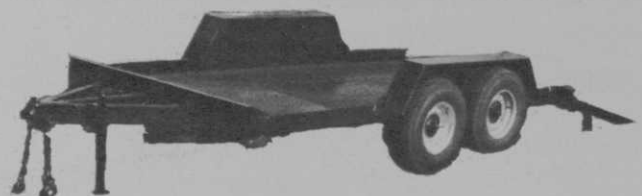
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Clippings

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

Construction of the **Tournament Players Club**, the planned site of the PGA Tour's national headquarters and future home of the Tournament Players Championship, began last month. The club will be located on a heavily-wooded, 415-acre tract of land on Route A1A at Inlet Beach, Ponte Vedra, Fla.

Deane Beman, PGA Tour commissioner, said the golf club will be private with both local and national memberships available. Bob Dickson, a former PGA Tour player, has been appointed membership marketing manager and Pete Dye, golf course architect, has been retained to design the course.

The Ambassador Beach Hotel in Nassau, Bahamas, recently completed construction of a new golf course. The facility also contains a pro shop, practice green, and driving range, along with a staff of teaching pros. Greens superintendent is **Hubert Bethel**.

The Hillcrest Country Club in Oklahoma City, Okla., is currently being renovated and has been renamed **Walnut Creek Country Club**. More than \$500,000 is being spent to revitalize the course and clubhouse. **Jerry Broughton**, formerly of Earlyvine Park Golf Course, has been named superintendent and golf course architect Ed Ault has been commissioned to revamp the course. Lynn Strang heads a limited partnership which will manage the club.

The Eaton Equipment Corp., Hamburg, N.Y., has purchased Haverstick Golf and Tractor, Inc., Syracuse, N.Y., and renamed the company **Eaton Golf and Tractor, Inc.** The formation of the new company will provide Eaton with distribution capabilities in upstate New York for Toro, McCulloch, Bolens, and E-Z-Go products and a complete line of turf and golf course chemicals and supplies.

John Steiner has been appointed general manager for **Eagle Chemical's** statewide operations in California. He will serve as director of operations and sales in both northern and southern California.

Shortly after being appointed to the position, Steiner announced the reorganization of the company's operations. He named **John Smith** northern California territory manager for the pest control and landscape trades, including golf courses. Steiner also named **Tom Foster** to handle the horticulture trades, including golf courses in southern California.

The **Rocky Mountain Golf Course Superintendents** recently elected John Bartley president of that organization. Others elected were: Dennis Lyon, vice president; Stan Cichuniec, secretary-treasurer; Dan Coffin, director; Tommy Anderson, director; and Terry Buchen, director.

Harold E. Bishop has been elected to the presidency of the Golf Course Builders of

America and will succeed David Canavan. A golf course contractor from Quakertown, Pa. Bishop was a charter member of GCBA when it was formed in 1970 and served as president-elect in 1978.

Robert Vincent, a golf course builder from Benton, Pa., was named GCBA president-elect for 1979; he will become president in 1980.

David Welfelt has been appointed product manager of the Turf Equipment Division of Excel Industries, Inc. He has worked in the turf landscaping field since graduating from Kansas State University in 1974 with a degree in horticulture.

Richard J. Dittoe has been appointed manager of marketing for Turf Products, Jacobsen Division of Textron, Inc. Previously, Dittoe was domestic sales manager for Turf Products.



Bishop Welfelt Dittoe

Robert H. Yarborough has been named an agricultural chemical sales representative for TUCO, division of the Upjohn Co., in Ohio, Indiana, and Michigan; he had been manager and superintendent of golf at Tanglewood Lake, Inc., Greentown, Pa.

Gene Probasco has been appointed general manager of the LESCO Product Division of Lakeshore Equipment & Supply Co., Elyria, Ohio. Probasco, a member of the GCSAA and the Central Ohio Chapter of GCSAA, had previously been merchandising manager for LESCO Truck Sales.

The **50th International Turfgrass Conference and Show** will be put on by the Golf Course Superintendents Association of America February 4-9 in Atlanta, and new GCSAA Director of Communications John Schilling says it promises to be a record-breaking affair — both in attendance and in the number of exhibits of turfgrass maintenance equipment and supplies. Site of the show will be the Georgia World Congress Center.

A recognized authority on organizational behavior will be the keynote speaker. Dr. George H. Lebovitz, professor of organizational behavior at the Boston University School of Management, will present a speech entitled "Managing for Productivity." The address will mark the beginning of four days of educational sessions that will feature 77 speakers from universities, the turfgrass industry, and GCSAA.

Dr. C. Reed Funk, research professor of turfgrass agronomy at Rutgers University, New Brunswick, N.J., has been selected to receive the 1979 Distinguished Service Award from GCSAA for his outstanding contributions to golf. He will be honored Feb. 5 at the conference.

In other GCSAA news, seven candidates have been nominated for election to the 1979 executive committee. The election will also be held during the association's annual meeting in Atlanta.

Charles H. Tadge was selected as the only candidate for GCSAA president. Tadge, superintendent of Mayfield Country Club in South Euclid, Ohio, is currently GCSAA vice president.

Louis D. Haines, current GCSAA secretary-treasurer, and GCSAA Director **Melvin B. Lucas Jr.** were named as candidates for the office of vice president. Haines is superintendent of Keystone International, Keystone, Colo., and Lucas is superintendent of the Piping Rock Club, Locust Valley, Long Island, N.Y.

Those nominated for the two director seats were Michael R. Bavier, Inverness Golf Club, Palatine, Ill.; Edward F. Dembnicki, Arcadian Shores Golf Club, Myrtle Beach, S.C.; Daniel L. Hall Jr., The Imperial Golf Club, Naples Fla.; and Robert W. Osterman, The Golf Club of Aspetuck, Easton, Conn.

As in years past, several other meetings will be held in conjunction with the GCSAA conference. On Tuesday, February 6, the **American Council for Turfgrass** will have its first annual meeting at the Georgia World Congress Center. This group was formed at the GCSAA conference in San Antonio a year ago as the National Turfgrass Federation, but the name was changed in mid-year by the organizers. According to Richard L. Duble, ACT secretary, members of ACT and other turf industry representatives have been asked to attend this meeting to comment on the proposed constitution and bylaws, to ratify them, and to elect a board of directors.

The **Golf Course Builders of America** meet Wednesday evening, February 7, at the Peachtree Plaza Hotel for their annual president's dinner. On Thursday, February 8, the board of directors of the **Musser International Turfgrass Foundation** will have its annual meeting.

The 1979 **Irrigation Technical Conference** will meet at St. Francis Hotel in San Francisco, Calif., February 18-21. The meeting, which is expected to draw almost 500 participants, is sponsored by The Irrigation Association. Registration materials are available from The Irrigation Association, 13975 Connecticut Ave., Silver Spring, MD 20906 (phone 301/871-8188).

The annual **Iowa Turfgrass Conference** will be held February 26-28 at the Hilton Inn, Des Moines. For further information contact A. E. Cott, extension horticulturist, Iowa State University, Horticulture Bldg., Ames, IA 50011 (phone 515/294-1870).

The 48th **Massachusetts Fine Turfgrass Conference and Exhibition** will be held February 27 to March 1 at the Springfield Civic Center. The show is being sponsored by the Massachusetts Cooperative Extension Service, Massachusetts Turf and Lawngrass Council, and the Golf Course Superintendents Association of New England. For details contact the Massachusetts Turf and Lawngrass Council, Stockbridge Hall, University of Massachusetts, Amherst, MA 01003.



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