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wouldn't have all the different DURSBAN insecticides. You wouldn't have DURSBAN 2E and double-strength 4E or 50WP to control just about any outdoor insect.

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Remember, anybody can come up with a good idea, but it takes a company like Dow to make it work for you. Agricultural Products Department, Midland, MI 48640.

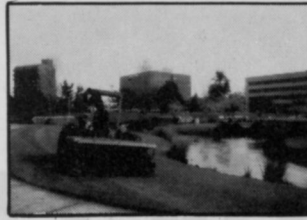
DURSBAN The best idea in bug control.



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3913



The central feature of the Salem, Oregon, park system is a small river. The turf area around the river is periodically aerified to prevent compaction problems from foot traffic. Photo by Larry Kassell.

JUNE 1983/VOL. 22, NO. 6



Baseball field renovation, see page 28

22 Thatch Control by Core Cultivation

Complete removal of thatch may not be the most desirable way to solve thatch problems. Karl Danneberger of Michigan State University suggests coring and cultivating the cores with the thatch creates a hybrid thatch with improved characteristics. Disruption of the turf by thatch removal is lessened.

28 Giving New Life to Old Baseball Fields

Managers of baseball fields in the transition zone should get special benefit from this article by Professor Portz, of Southern Illinois University-Carbondale. Correcting drainage and compaction problems are preferred over building new fields. Portz gives tips to construction and maintenance of baseball fields.

38 Parks Stretch to Meet Field Demand

A survey of park superintendents reveals park budgets and staff have not matched the demand for playing fields. The superintendents report 40 percent allow sports leagues to perform some maintenance tasks. Field maintenance programs remain at utility only levels. Resources seem to be falling behind field needs.

40 The Orange Bowl After the Storm

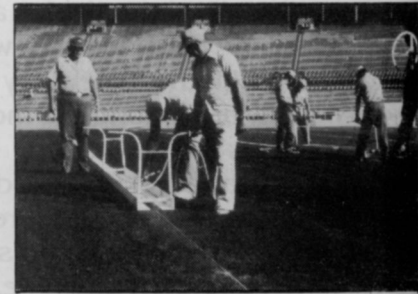
Millions of television viewers saw the New York Jets-Miami Dolphins playoff game on the rain-soaked Orange Bowl field. Field manager Dale Sandin discusses that day and the field's qualities.

46 New Vitality In Growth Regulators

Changing uses and objectives for growth regulators have added new life and a line of new products. Mowing reduction, seedhead suppression, and new products are covered by Purdue University expert on growth regulators, Dr. Ray Freeborg.

52 PGRs and Poa: Golf Course Trials

Many of the early kinks with growth regulators have been solved with rate and timing studies. Now golf course superintendents can use PGRs to reduce Poa annua seedheads and improve heat tolerance. Superintendents and researchers cite examples.



The Orange Bowl, see page 40.


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Overseeding Oakmont Country Club

Persistence and Penneagle equal Perfection

The 1983 U.S. Open is at Oakmont, June 13-19



*the entire course was extensively renovated. Playing was possible even though
mowing, topdressing and seeding were in progress.*



**“We kept our entire course
in play while renovating. Now,
the members know the results
are worth it.”**

Paul Latshaw

Paul Latshaw
Supt. Oakmont Country Club

Tees were verticut to
soil depth and overseeded
with Penneagle.

“We’ve been overseeding every fall since 1977. We feel that our entire course is now seventy percent Penneagle.”



Fairways being aerated in preparation for seeding with Penneagle. Punch aerification provides the best combination of compaction and thatch control, soil contact seedbed, and playable fairways for the membership.

The punched plugs were ground up prior to the overseeding process.

Penneagle was also broadcast over entire fairway in addition to groove-seeding.



"Since we renovate in the fall anyway, it was easy to overseed with Penneagle creeping bentgrass."



View from the clubhouse shows the combination ninth and practice green after extensive renovation. The fairway had just been aerated.

Penneagle mowed at 5/64 inch keeps greens consistently fast. Penneagle is the creeping bentgrass that performs.

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Circle No. 133 on Reader Inquiry Card

OUTLOOK

By Bruce F. Shank, Executive Editor

New meaning to silent H

Much of the material in *Weeds Trees & Turf* is staff written. Much of it is written by William and Mary graduate Maureen Hrehocik who joined the magazine when it moved back to Cleveland in November. She has to spell her name every time she speaks to someone on the phone. A typical conversation may go like this . . .

"Hello, Mr. Anderson, this is Maureen Hrehocik from Weeds Trees & Turf magazine. I'd like to ask you a few questions about your weed control program . . . That's Maureen H-R-E-H-O-C-I-K, from WEEDS TREES AND TURF. Just pronounce it as if there were no H in front. Oh, no, not Weeds Turf and Trees, Weeds Trees and Turf. Now, can we talk about your weed control program?"

Maureen has struggled through all the preliminaries to write some excellent articles in the past eight issues. So, when she calls you, remember the H is silent and she works for Weeds Trees & Turf. She'll thank you for it.

While we're at it, my name is spelled S-H-A-N-K. Just like it sounds.

Filling the mid-management void

Traveling can be one of the best educations in the world. Being new to the Green Industry, I welcome the opportunity of gaining information any way I can.

Recently, I spent a few fruitful hours with seven members of the Professional Grounds Management Society in Baltimore. (It's surprising what can transpire over a platterful of steamed crabs . . .) We talked about a variety of subjects, but one theme that just seemed to keep resurfacing was the apparent surplus of labor and upper management positions in landscape management. The void seems to be at the supervisory and mid-management level. Ken Deis of Lasting Impressions Landscape Contractors in Glendale, MD, particularly felt the effect of this problem.

During another interview in November, Carl McCord of Landscape Design and Construction in Dallas, voiced the same concern. Industry employers also seem to be in agreement on another point. They are improving the caliber of worker instead of merely swelling the ranks of those they have working for them.

In this economy, when the buck must stretch to the limit, managers are finding bigger is not always better. In the long run, the better-qualified person, who will obviously command a higher salary at the outset, pays off in the long run. **Maureen Hrehocik**

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OFFICES

ATLANTA

3091 Maple Drive
Maple Center One Building
Atlanta, GA 30305
(404) 233-1817

CLEVELAND

7500 Old Oak Boulevard
Cleveland, OH 44130
Editorial: (216) 243-8100

CHICAGO

111 East Wacker Drive
Chicago, IL 60601
(312) 938-2344

SEATTLE

1333 N.W. Norcross
Seattle, WA 98177
(206) 363-2864

DULUTH

120 West Second Street
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MARKETING

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Ron Kempner

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Premium Sod Blend	Commercial sod producers	Fast establishing, exceptional dark green color, shade tolerant, superior disease resistance.
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Circle No. 122 on Reader Inquiry Card

Rumored cutbacks raise ire of AAN

According to the American Association of Nurserymen, strong indications are coming from Washington, D.C. alluding to plans to close the Agricultural Research Service's Nursery Crops Research Laboratory in Delaware, OH, and significantly reduce the scope of nursery-related research at the ARS laboratories in Mandan, ND, Corvallis, OR, and Tifton, GA.

The rumored reductions have brought an avalanche of protest and supporting arguments from the AAN office, including a 12-item list outlining the ARS' beneficial accomplishments to the nursery industry.

At press time, Duane F. Jelinek, director of horticultural services for the AAN, said the USDA's Six Year Implementation Plan 1984-1990, earmarked \$29 million in cuts in broad agricultural categories, underscoring the belief by the AAN that the cuts are more than rumored.

"The ARS in Wooster, OH, which is an entomology lab studying Japanese beetle control, was told to prepare for reassignment," Jelinek said. "For the

time being, this is on hold, however."

Jelinek also said an \$18.1 million cut is earmarked for horticultural crops, including research on nursery farming programs.

"They (USDA) are being very closed-mouth about the whole thing," he said.

A call from WT&T to the Washington office of the Agricultural Subcommittee, brought no response.

Jelinek credits the AAN's quick response to the alleged rumor as thwarting some of its impact for the time being.

In March, the AAN gave testimony before the House Appropriations Committee expressing its concern about the detrimental effects the cuts would have.

"Of all the segments of agriculture," the AAN concluded, "the nursery industry is one of the few which has neither sought nor benefitted from government subsidies. No federal funds have been expended for crop supports, marketing orders, etc. As such, the federal government's contribution of min-

imal research is a reasonable expenditure of federal government funds.

"The mission of the Agricultural Research Service is to 'plan, develop and implement research that is designed to produce the new knowledge and technologies required to assure the continuing vitality of the nation's food and agriculture enterprise.' The nursery industry is an agricultural enterprise."

The laboratories in question, the AAN said, provide essential applied research for the industry. Closing of the Delaware laboratory and reducing research at the other facilities would eliminate nearly all horticultural research by the Agricultural Research Service. Since virtually all nursery firms lack the size and resources to conduct research themselves, the AAN concludes the closings would be extremely detrimental to the industry.

Jelinek said his office will continue to try to bring the alleged cutbacks out in the open and lobby for curtailment of reduced funding.

—Maureen Hrehocik

CHEMICALS

Mobay's Benson retires after 20 years

After 20 years with the Mobay Chemical Corporation, Oscar Benson, adver-



tising manager for the Agricultural Chemicals Division, has retired to "fiddle with his gardening and cattle" on his small, Liberty, MO, farm.

Benson, 56, was responsible for ad accounts in excess of \$10 million for Mobay.

"I will miss the involvement with company and industry people that I had for the past 20 years, he told WT&T.

Benson had served the company as technical editor and assistant ad manager before being promoted to advertising manager. He was also a county extension agent at the University of Missouri before joining Mobay.

His replacement is Ron Miller, 46, formerly sales manager and assistant advertising manager, who says the department will continue to be run as it has in the past.

"Oscar is a tough act to follow," he said. "I've worked with him for the past 10 years and have learned a great deal, though."

Allen Haws, sales manager of Specialty Products for Mobay and who has known Benson for the past 15 years, respected him as a "sounding board and a man who did his best all the time."

"Oscar was genuinely interested in the business and was extremely con-

scientious. He will be missed," said Haws.

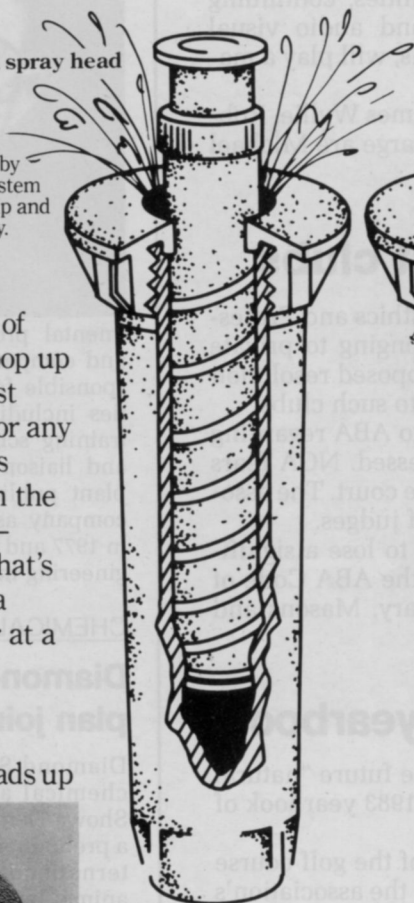


Morgan Is New ALCA Manager. The Associated Landscape Contractors of America selected Gail Morgan, formerly ALCA Director of Programs, to become its new executive director. Before joining ALCA, Morgan was the manager of a 3,500 member recreational facility in Arlington, VA. ALCA membership currently stands at 885.

A HEADS UP APPROACH TO FLOW-BY.

Conventional spray head

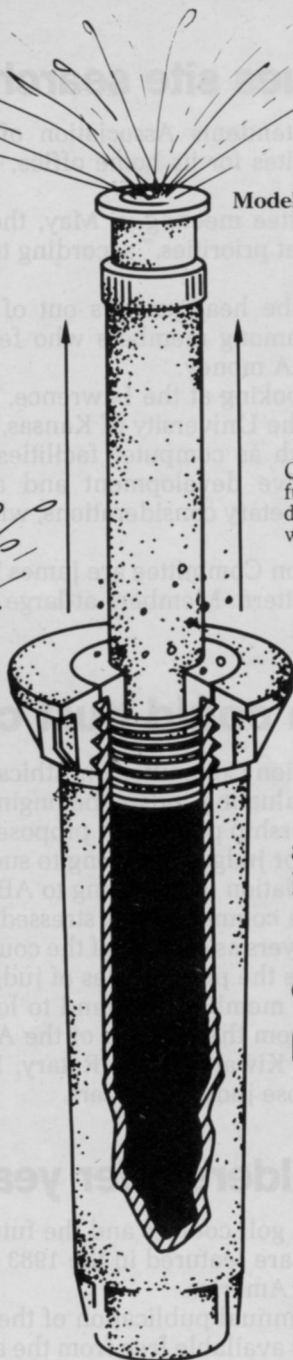
Excessive flow-by problem keeps stem from popping up and sealing properly.



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Patented, co-molded wiper seal arrests flow-by to permit positive pop-up and pop-down.



Watching a full line of spray heads refusing to pop up and seal is one of the most frustrating experiences for any irrigation professional. It's especially annoying when the culprit — excess flow-by — interferes with a system that's been designed to deliver a precise flow rate of water at a given time.

Unique wiper seal.

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Unique multi-function co-molded wiper seal arrests flow-by.

at all times, even at marginal pressures. And the unique action of the multi-function seal lets Rain Bird use the strongest retract spring in the industry to assure positive pop-down even in sandy soil.

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The Rain Bird 1800 Series spray heads are available in 2", 4", 6" and 12" heights to accommodate special watering requirements of low shrubs, new, taller turfgrass cutting heights, and higher freeway and parkway ground covers.

The 6" and 12" spray heads have special labor-conserving benefits, including side inlets to permit shallower trenching and patented pinpoint ratcheting devices for easy directional adjustment.

approach to this aggravating problem with the introduction of a unique multi-function wiper seal. Co-molded into the stem of each 1800 Series high-pop spray head, the seal arrests flow-by at a low 8 psi.

The new seal assures precise specification uniformity

For more information about the complete line of Model 1800 Series high-pops, write Rain Bird, 145 N. Grand Ave., Glendora, Calif. 91740.

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GCSAA continues site search

The Golf Course Superintendents Association of America is continuing its analysis of sites for its home office, currently located in Lawrence, KS.

At its Executive Committee meeting in May, the Relocation Committee continued to "set priorities," according to Director of Education Jim Prusa.

Suggestions of moving the headquarters out of Kansas has caused some controversy among members who feel the move would be a waste of GCSAA money.

"The committee began looking at the Lawrence, KS, site and the resources available at the University of Kansas," Prusa said.

University resources such as computer facilities, continuing education support, executive development and audio visual capabilities, because of monetary considerations, will play a major role in site selection.

Members of the Relocation Committee are James Wyllie, Robert Osterman and Riley Stottern. Members-at-large are Michael Heacock and Jim Taylor.

Ethics revision could hurt clubs

The American Bar Association Committee on Ethics and Professional Responsibility is evaluating judges belonging to private clubs with selective membership policies. A proposed resolution would make it a violation for judges to belong to such clubs.

The National Club Association is appealing to ABA regarding the "perception of bias" the committee has stressed. NCA fears the ban might extend to lawyers as officers of the court. The association says the rule violates the private lives of judges.

Golf clubs with selective membership stand to lose a significant number of members from the revision of the ABA Code of Ethics. Groups such as the Kiwanis, Elks, Rotary, Masons and Junior League would also lose judge members.

Golf Course Builders offer yearbook

Grass seed mixtures, British golf courses and the future "natural look" for American courses are featured in the 1983 yearbook of the Golf Course Builders of America.

The 44-page booklet, an annual publication of the golf course builders trade association, is available free from the association's Washington office, Suite 638, 1001 Connecticut Ave., Washington, D.C. 20036.

Larry Vetter, a turfgrass management specialist and a former golf course superintendent, discusses correct seed mixtures to achieve better quality at less cost. Vetter is manager of the Medalist Turf Products Division of the Northrup King Co., Minneapolis.

Arthur Jack Snyder, president of the American Society of Golf Course Architects, writes on the new look he anticipates for future American golf courses.

Howard Swan of Golf Landscapes Ltd., Brentwood, England, explains the difference between British golf turfgrass and American.

INDUSTRY

Jacobsen promotes Carter to vice presidency

Thomas M. Carter has been appointed Vice President of Engineering for Jacobsen Division of Textron Inc., Racine, WI.

Carter will continue to direct the design and development of new products, enhancement of current equipment, field and in-plant testing, exper-



imental programs, and cost analysis and comparisons. He will also be responsible for all Field Service activities including the company's factory training school, Field Service clinics and liaison with distributors and in-plant publications. Carter joined the company as Manager of Engineering in 1977 and was named Director of Engineering in 1980.

CHEMICALS

Diamond, Japanese plan joint venture

Diamond Shamrock and a Japanese chemical and pharmaceutical firm, Showa Denko, K.K., have entered into a preliminary agreement to form an international agricultural chemicals/animal health business.

The 50/50 joint venture will consolidate Diamond Shamrock's world-wide agricultural chemicals interests, animal health business and research facilities with Showa Denko's technical and marketing expertise. The Japanese firm's monetary investment was not disclosed.

The joint venture is subject to execution of a definitive agreement and approval from the appropriate U.S. and Japanese government agencies. A definitive agreement is expected to be reached in mid-1983.

continued on page 14