

Launder Pesticide-Soiled Clothing by These Rules

By Ruth R. Gulbrandson

Pesticides are necessary tools, but like other tools they can be dangerous when mishandled or when accidents occur. Wind drift, accidental spills or carelessness can cause pesticide contact with the user or with his clothing.

When pesticides are absorbed through the skin, they enter the bloodstream and are translocated throughout the entire body. Clothing that comes in contact with a pesticide is considered to be contaminated whether lightly sprayed or saturated.

Treat all pesticides as though they are toxic. Always read the pesticide label. Look for signal words on the label that indicate the human-toxicity level of the pesticide and precautions for use:

Caution indicates the pesticide is in the low-toxicity category.

Warning indicates the pesticide is moderately toxic and

Danger or Poison indicates the pesticide is highly toxic to humans.

Other factors that influence a pesticide's toxic effect on an individual are its concentration and physical formulation, and the length of time the person is exposed to it. Commonly used formulations of pesticides are emulsifiable concentrates (EC), granulars (G) and wettable powders (WP). Of these, emulsifiable concentrates are the most difficult to remove from clothing by laundering.

Anyone who accidentally spills a pesticide or is sprayed by a pesticide should change clothes as soon as possible and wash thoroughly with soap and water. If you continue to wear pesticide-contaminated clothing, the residue could be absorbed through your skin and into your bloodstream. Serious health problems could result.

Whenever you handle pesticide-contaminated clothing, wear unlined, water-

proof gloves. Before removing the gloves, wash them thoroughly and use them for this purpose only.

Clothing worn during pesticide applications should be laundered daily, as pesticide residues can build up in clothing and become more difficult to remove. Wash contaminated clothing separately to prevent it from contaminating other clothing. Never store contaminated clothing with family laundry. Pesticide residue could rub off and contaminate other clothing.

Prerinse Reduces Pesticide

Research at North Dakota State University shows that prerinse is an important step. It reduces the amount of pesticide in contaminated clothing before laundering and it also minimizes contamination of laundry equipment, which could contaminate clothing in future wash loads.

While still outdoors and while wearing unlined rubber gloves, empty pesticide granules from pockets and cuffs. Prerinse clothing at least twice in a bucket or pail of hot water. Since pesticide formulations usually contain some detergent, it is not necessary to add detergents when prerinse.

Dispose of prerinse water away from the house and potable water. Empty it on the ground away from areas where children play or animals are kept. If clothing was contaminated by an herbicide, avoid emptying prerinse water where grass could be damaged.

Wash in Small Loads

Launder only a few contaminated garments at a time. To thoroughly flush the pesticide from the clothing, use a full water level. This will also decrease the possibility of redepositing the pesticide back on the fabric.

Use hot water and a normal 12-minute wash cycle. Repeated wash cycles

are effective in removing pesticide residue.

Select detergents according to the type of pesticide that contaminated the clothing. Research has shown that heavy-duty liquid detergents are more effective than other detergents in removing emulsifiable concentrate pesticide formulations. Emulsifiable concentrate formulations are oil based. Heavy-duty liquid detergents are known for their oil-removing ability. Granular detergents have been found effective in removing water-soluble pesticide. If it is not possible to determine the pesticide formulations, use a heavy-duty liquid detergent.

Research indicates that neither bleach nor ammonia aids in removal of pesticide residues. You may wish to use them to remove other types of soil or stains, but never mix them together. In combinations they form fatal chlorine gas.

Whenever possible, line dry laundered garments outdoors. Sunlight and air movement help to decompose any pesticide residue not removed during laundering. Line drying also eliminates the possibility of pesticide residue collecting in the dryer where it could contaminate clothes in the future. If you must use a dryer, wipe the dryer with a damp cloth after each use and discard the cloth.

To prevent future wash loads from being contaminated by a pesticide residue, always clean the washer by running it through a complete wash cycle with hot water and the same detergent used for laundering the contaminated clothing. □

Ruth Gulbrandson is a specialist at the University of North Dakota Extension Service. Reprinted from Divots, the magazine of the Miami Valley GCSA, Ohio.



Installation of the sand-conduit drainage system, July 1994.

(Top) Ted Mercer of Evergreen Lawn Care stands in front of the new scoreboard, which like the field, came from donations.

(Left) Troy Memorial Stadium serves as the center of a 20,000-population community in southern Ohio.

Troy Memorial Stadium Gets a Lot of Help From Its Friends

By Bob Tracinski

Troy, OH, is a town of just under 20,000 people, nestled 20 miles from Dayton and 70 miles from Cincinnati and Columbus. It has 189 acres of parkland and an 18-hole public golf course. Jogging and biking trails are just a few of the perks that attest to the community's interest in sports. The town's centerpiece is 10,000-seat Troy Memorial Stadium, a combination football/soccer facility that shows what Small-Town America can accomplish when the whole community pulls together.

Troy's original, 10,000-seat stadium was built in 1949. The old cinder track circling the football field was replaced with an all-weather track in 1976. The manual irrigation system was updated in 1985 to an 11-head, automatic irrigation system. Troy Memorial Stadium is city owned, but used by the school system, which is in charge of maintenance. And the native-soil field, reserved for varsity-level competition and selected special events, looked good and held up well.

But soccer had come to Troy. Junior high and high school boy's and girl's teams deserved the opportunity to play their key games in the town's showplace

arena. Troy Field had a maximum playable width of 160 feet and a 26-inch crown, far from ideal for soccer. The track had deteriorated. Changes in competition standards made its existing 440-yard length and eight 36-inch-wide lanes outdated. Lighting was inadequate for both the participants and the spectators. Space was insufficient to increase field and track size within existing dimensions.

For Troy Memorial Stadium, it was time for a lot of help from its friends.

Athletic Director Tom Mercer, Supervisor of Facilities Jim Kaster and School Treasurer Don Pence formed the core of the Troy Memorial Stadium Renovation Project planning committee.

They asked for input from coaches, other field users and the maintenance team. They dug deeply for details. For example, Kevin Jacobs, a member of the maintenance staff specializing in grounds maintenance, said, "They asked me and my crews how we were currently handling the field-stripping and lining procedures. With the renovation, a designated paint-refilling area is set aside, hidden from public view, with EPA-approved drainage and trapping systems. The same level of investigation

and planning went into every aspect of the project."

They called on the expertise of two of the town's leading engineers, the retired Henry Iglesias and Richard Klockner of Klockner & Associates. Klockner worked on the surveying crew of the original field and, with grandchildren in the school system, had a more than passing interest in the field. These two men generously volunteered their services — and sparked an innovative idea.

Community Spirit and Private Donations

By the time the three-phase, \$1.3 million renovation plan was completed, so was the resolve to raise the funds from donations within the community — with no help from city funds or tax dollars.

Don Pence and Tom Mercer teamed up to coordinate the project and fund-raising, launching efforts in April 1993. Sept. 2, 1994, was the targeted completion date for Phases I and II — requiring \$1.1 million in funds. Phase III, calling for \$200,000 in improvements to Ferguson Field, located near Troy Junior High, is scheduled for 1995.

Phase I, which was the installation of new poles, lights and an upgrade of elec-

trical service, was completed in time for the 1993 homecoming football game. The cost for this phase was \$190,000.

Phase II was more complex, with \$910,000 needed to move the south stands back 40 feet to allow for a regulation-size running track, install the new running track, install a new storm- and sanitary sewer system, enlarge and upgrade the restrooms and concession areas, construct a press box on the south stands, remodel the press box on the north stands, replace the scoreboard, recap stadium seating, repaint the decking, spruce up the ticket and entrance areas, install additional paving and rebuild the field to accommodate both football and soccer.

Field renovation alone called for regrading and widening the playing surface to meet standards for soccer, increasing out-of-bounds areas to provide better safety for participants, improving soil composition, planting new athletic turf, and installing new irrigation and drainage systems.

With one year and three months to raise more than \$1 million from a population base just under 20,000, the odds were darn good.

This is Troy, where community spirit soars. The original stadium was part of a 1947 bond issue, proposed by Edward A. Hobart, president of Hobart Bros. Co., which called for a comprehensive sports expansion program — a new golf course, bridge and the stadium — at a cost of \$450,000. The stadium was to serve as a memorial to those who fought and died for their country. If the town passed the bond issue, the plan called for the C. C. Hobart Foundation to donate a winter sports building, Hobart Arena, to the city. A special election was held March 4, 1947. The issue passed with a whopping 88.3 percent "yes" vote.

None of that community spirit was lost in the '90s. Ted Mercer (Tom's brother) is general manager of Ever-Green Sports Turf, a division of Troy's Evergreen Lawn Care Inc., the general contractor for the playing field reconstruction. According to Mercer, "Although the fundraising project was intensive, it wasn't really a hard sell. The stadium is a landmark of this community and with the private-donor setup, if you didn't like the idea, you didn't need to give anything. There were few negative comments and little criticism. The city of Troy, Troy City Council, the park board and Troy Chamber of Commerce were behind the effort 100 percent. All of the local media — *Troy Daily News*, *Troy Advocate*, WTRJ radio, WPTW/WCLR radio and WHIO-TV —

gave their support with continuing coverage, public service announcements and other assistance."

As Mercer and Pence, along with a dedicated group of volunteers, put out a mail blitz to local residents and alumni of Troy High School, and hit the luncheon-meeting circuit to raise funds, they were prepared with a full layout of the proposed renovations and a far-reaching commemorative gift and incentive program with perks for each plateau. Because this was truly a grassroots effort, donation requests started at a dollar.

For a \$1-\$49 donation, the donor received acknowledgment and a deed of the gift; at \$50-\$499, along with the acknowledgment and deed, the donor's name would be listed on a stadium entrance plaque; a \$500-\$999 donation was recognized with a name listing on the Letterman's Club Plaque under the home stands; and for \$1,000-\$2,499, the donor's second listing moved "up" to the Varsity Club Plaque under the home stands. Donors also received a signed and numbered print depicting Troy Memorial

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Troy Memorial Stadium

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Stadium; at \$2,500-\$4,999, the second listing moved to the Scarlet and Gray Club Plaque under the home stands and the stadium print would be matted and ready for framing; and at the level of \$5,000 and more, the second listing was on the Trojan Club Plaque under the home stands and the print would be professionally matted and framed for the donor.

Small rewards? Perhaps, but highly significant within the community.

Who chipped in? Hundreds of Troy citizens, Troy High School alumni from across the country, business and industry, service clubs, fraternal orders, booster organizations, parent-teacher organizations, student groups and local foundations.

Several donors were singled out for special thanks, including Boyer Trust, Mr. and Mrs. Robert Bravo, the C.C. Hobart Foundation, the city of Troy, Dayton Power and Light, the Paul G. Duke Foundation, Earhart Petroleum, Richard W. Klockner & Associates, Robert B. Meeker, Dr. and Mrs. Walter Meeker, PMI Food Equipment Group, Peoples Savings Bank of Troy, Thom and Pat Robinson, Star Bank, Stillwater Technologies, Trojan All-Sports Booster Club, the Troy Foundation and one anonymous donor. The single largest contribution was \$250,000.

In addition, in-kind donations of time, labor and materials were received from local professionals and contractors. In fact, with actual costs for Phases I and II running at \$1.22 million, only \$19,000 — less than 2 percent — was spent for “professional fees.”

Just how extensive was that renovation? In a crowd-pleasing show, with one 200-ton crane at the front and one 250-ton crane at the back, three sections of the iron and steel stadium south wall and stands were moved 40 feet to the south. This opened space for installation of the new 400-meter, all-weather track with eight 42-inch-wide lanes. Always looking to the future, renovation planners made sure this track also will accommodate an AAU-sanctioned steeplechase.

Then field renovation began. Ever-Green Sports Turf was selected as the general contractor because of its athletic-field-building and renovation experience and its familiarity with the field. All of the fields used by Troy schools are under a maintenance contract with the firm. For the Memorial Stadium field, the company handles all maintenance procedures and mowing. The other fields are mowed by school personnel. The firm's main-

tenance services are contracted at various levels by many area school districts to provide the expertise of sports-turf professionals — and Sports Turf Managers Association (STMA) members — on a regular basis.

Mercer said, “Drs. John Street and Bill Pound, both of Ohio State University, assisted with the development of field specifications and layout. The existing media was 36-percent sand, 42-percent silt and 22-percent clay, a mixture we call ‘black wax’ because of its poor drainage characteristics. We stripped away the top 12 inches. Crews from Hydrosapes Inc. of Dayton then updated the irrigation system. It was placed 20 inches below the original soil surface. They also installed a bank of 49 heads. This provides a shorter “throw” than the previous system and more effective irrigation.

“It took 65 tandem loads to deliver the 1,000 tons of sand necessary to work into the remaining media to bring the field to the 62-percent sand, 18-percent silt and 20-percent clay-soil profile that we wanted. CLC Labs of Westerville, OH, did the media testing for us. The reworked field is 360 feet long, 180 feet wide, and has a 15-inch crown.

“On May 13, we seeded with Medalist America’s Athletic ProR blend of 50-percent Kentucky bluegrass and 50-percent perennial ryegrass at a rate of 225 pounds per acre. Because of the high sand content of the soil, we spread the seed with a Brillion spreader, rather than drill seeding.

“Initially, we applied an 8-32-16 fertilizer weekly. Once we reached the phosphorus levels we wanted, we switched to a 30-3-5 formula with 25-percent slow-release nitrogen. We mowed for the first time on June 7. Weed problems were, and have been, minimal. We’ve spot-treated where necessary, with no need for a blanket weed control.

“By July 5, we had a full stand of turf. We held a field day, inviting those from the university and business firms who had assisted with the project, selected seed and sod company personnel and the local media. Then we shocked them by cutting up the field.”

Joe Motz and his crews from Motz Sports Turf in Cincinnati started installation of a sand-conduit drainage system. Slits, 2 inches wide and 14 inches deep, were cut from sideline to sideline, spaced every 6 feet. Tubing, with a 2-inch outside diameter, was placed at the base of these slits and covered with a 4-inch layer of pea gravel. The tubing leads to 6-inch corrugated piping placed at a 14-inch depth around the perimeter of the field. The pea-gravel layer is covered

with an 8-inch layer of sand. Next, slits, 1 inch wide and 8 inches deep, were cut across the length of the field on 3-foot centers. These slits were filled with sand. The field was then topdressed with an additional 80 tons of sand. Installation was completed July 15, leaving the field with a temporarily apparent grid pattern.”

Renovations continued on the rest of the stadium as well. The new restrooms and concession area were constructed. The sewer system was installed. The press box on the home-team side of the stands was renovated. (The press box on the visiting team side is still “in the works.”)

A \$150,000 scoreboard, with four-color graphics, was put in place.

On Aug. 26, the girl’s varsity soccer team played the first game at the renovated facility. The football team was next to take the field. By mid-September, 40 “contests” had been played. The stadium, lighting, track and field are in great shape. The planners, fund-raisers, project coordinators, contributors, participating companies and individuals, school personnel, city officials, coaches, athletes and all the citizens of Troy feel pretty darn good about Memorial Stadium ... and themselves.

Postscript: When Troy Memorial Stadium was dedicated Sept. 7, 1949, the Hobart Bros. Co. included a special tribute in its ad in the *Troy Daily News*. The rededication was held Sept. 2, 1994. Recognized among the crowd attending were local dignitaries, veterans organizations and members of the 1949 Troy High School football team. The *Troy Daily News* reprinted Hobart’s copy in their coverage of the event:

“The grand opening of the Troy Memorial Stadium was the dream and is now the realization of every citizen of Troy.

“We take this opportunity to extend our compliments and gratitude to every individual, organization, club and industry whose collective efforts have made this memorial possible.

“It most certainly is a living memorial to those who have fought and died for their country ... for those who wanted to further a democratic way of life.

“It is this democracy, through these facilities, that will be advanced in the years to come.

“May every event which will be held on these grounds, whether sport or civic, stand for the high principles of this memorial.” □

Bob Tracinski is the manager of public relations for the John Deere Co. in Raleigh, NC, and public relations chair for the Sports Turf Managers Association.

President's Message

By Greg Petry



Throughout the course of a year, we review the composition of our membership base. STMA is primarily composed of individual professional members and corporate members. The following reflects who belongs to STMA:

Parks, schools, two-year college and extension: 46 percent (21 percent parks and 25 percent school); commercial: 22 percent; university/four-year college: 16 percent; professional team: 14 percent; student: 1 percent and lifetime: 1 percent.

As you can see, we have a diverse membership in our organization. There are, for example, professional-team

members, minor-league professional-team members, college- and high school athletic directors, park superintendents, park groundskeepers, extension personnel, school district grounds personnel, extension agents and research scientists.

With such diversity, it's a challenge to maintain a balanced consensus on issues and activities. The association and its members are constantly struggling with ongoing changes in our industry.

The progress of our society and the geographical scope of our membership certainly makes for an interesting mix. Our challenges and opportunities are impacted by a membership that has diverse skills, education, business practices, regulations and politics.



In order to maintain a balanced perspective and representation on the board of directors, two initiatives are underway: First, a bylaw change is being proposed that would reduce the number of professional-team representatives from two to one. Conversely, the school and park categories will increase from one representative to two.

Our second initiative is now underway — a major membership drive. Rich Moffit, St. Louis University and the membership committee have redesigned our membership brochure. Several of our corporate members have been kind enough to provide their mailing lists and some have even offered to mail the literature.

STMA Chapter News

STMA Florida Chapter # 1: The Florida Chapter held its official membership meeting — including voting for 1995 officers and board members — at the University of Miami's Mark Light Stadium Nov. 15. The program focused on the conversion of the field from artificial to natural turf and included a tour of the facility. Host for the meeting was Kevin Hardy.

For further information about the South Florida Chapter or other upcoming activities, contact John Mascaro, (305) 938-7477 or Ed Birch at (305) 928-0217.

The Minnesota Sports Turf Managers Association A sportsturf seminar, sponsored by Turf Supply Co. of Eagan, MN, was held Nov. 29 at the Thunderbird Hotel, Bloomington, MN. Seminar topics included soil testing and interpreting test results, soil amendments and new trends in fertilizer.

The Minnesota Sports Turf Managers Association is one of eight green-industry member associations of the Minnesota Turf and Grounds Foundation cooperating in the conference Dec. 7-9, 1994, at the Minneapolis Convention Center.

Registration opens at 7 a.m. Dec. 7. The morning is filled with general ses-

sions, including: "How to Work With Environmentalists" and a Department of Agriculture presentation. The afternoon concurrent sessions begin at 12:45 and focus on pesticides and the public, turfgrass management, and insects and their control. The trade show is open from 4-7 p.m.

The morning's general sessions for Dec. 8 include: "You Can Be a Professional Without Wearing a Tie" and "Why You Wish You Knew More About Soils." The trade show is open from 10:30 a.m. to 2 p.m. Concurrent afternoon sessions

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SPRING TRAINING MANAGERS TALK:

FIELD RAKES



Baseball is big in Arizona. Not only during spring training, but during the rest of the year as well.

"It's like a 340-day homestand," says Clay Wood, grounds manager for the Oakland Athletics at Phoenix Municipal Stadium. "Between spring training, extended spring training, instructional league, rookie league, mini-camps, and local play our fields are in constant use."

The John Deere 1200 Bunker and Field Rake helps all these Arizona managers stay on top of this grueling 12-month schedule.

"It's versatile and has tremendous power," says Wood. "We use it for scarifying, blading, dragging, and pulling a heavy 2-board leveling attachment. It's the only machine we've had that has the power to handle it all."

"The 1200 does a great job and saves us time," adds Sal Leyvas of Tempe Diablo Stadium. "The guys love the blade, and also the

way the machine allows them to use more than one implement at a time. They do the warning one pass

tracks in now, where it used to take two."

"Our fields are in better shape because of the 1200," says Harold Gentry from the city of Mesa's Hohokam Stadium. "The steering, traction, and speed allow us to do more work in less time. Plus, my mechanic likes it because it never breaks down."

"It's become a safety issue with us," concludes Kris Kircher from the City of Chandler Sports Complex. "We have a better surface with the 1200 and that means a safer surface for the players."

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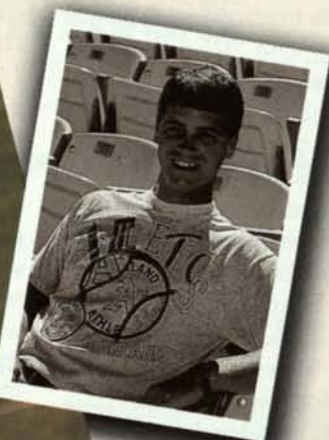


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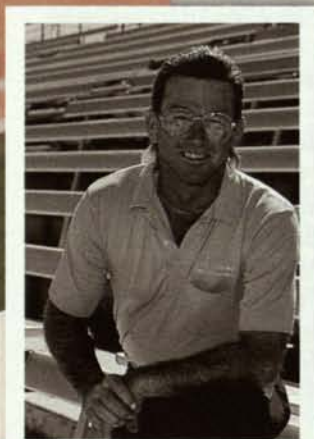


Sal Leyvas depends on a John Deere 1200 to take care of Tempe Diablo Stadium, home of the California Angels during spring semester.

Like all these managers, Clay Wood of the Oakland Athletics uses a 1200 to groom his field for not only spring training, but a year-round schedule of other games as well.



"The John Deere 1200 allows us to do a better job," says Harold Gentry of the City of Mesa's Hohokam Field, spring training site of the Chicago Cubs.



Kris Kircher of the City of Chandler uses two 1200s to take care of the fields used by the Milwaukee Brewers for their minor league spring training.

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STMA Chapter News

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focus on turfgrass management, native plant materials, and "Business and Professional Issues and the Workplace." The MSTMA Annual Meeting will be at 4:30 p.m. Dec. 8 at the convention center. Meeting highlights include the election of officers and committee assignments for 1995 as well as a preview of 1995 events.

The general session Dec. 9 features "What Took 40 Years to Learn in the Green Industry." Concurrent sessions run from 10:30 a.m. to noon, with sessions titled "Arboriculture Symposium," "The Innovative Superintendent" and "News of the '90s."

For more information on the conference, contact Scott Turtinen of the Minnesota Golf Course Superintendents Association at (612) 473-0557.

For information on the Minnesota Chapter, the sports-turf seminar, annual meeting or future chapter activities, contact Tom Rudberg, University of St. Thomas, St. Paul, MN, (612) 962-6545; Mike McDonald, Bierman Athletic Complex, University of Minnesota, Minneapolis, MN, (612) 625-6097; or Brian Deyak, St. Cloud Sports Center, St. Cloud, MN, (612) 255-7223.

Iowa Sports Turf Managers Association — The Iowa Sports Turf Managers Association is one of the green-industry participants in the 61st Annual Iowa Turfgrass Conference and Trade Show, which will be held in the Des Moines Convention Center Jan. 23-25, 1995. Daylong workshops Jan. 23 are basic turfgrass management; lawn care; golf courses, with choices of two educational schedules; ornamentals; and sports turf.

A general session, beginning at 8 a.m., opens activities on the second day. Mechanics workshops are scheduled for 7:30-9 a.m., 10-11:30 and 1:30-3 p.m. Tuesday. Concurrent sessions for golf course, lawn care, sports turf, and parks and grounds begin at 1:30 p.m. The Tuesday sports-turf session features Dr. David Minner on compaction, Kevin Vos on maintenance and care of athletic fields, Bob Muggas on managing risks at athletic fields, and Wayne Klostermann on internal and external drainage. The trade show opens at 4 p.m. Jan. 24.

The Iowa Sports Turf Managers Association's annual meeting will be

held at 8 a.m. Wednesday. A general session also begins at 8 with the Iowa State University research updates. The trade show opens at 9 a.m. and runs through 1:30 p.m. Concurrent session begin at 10 a.m. The sports-turf session features Dale Roe on care of softball fields, Steve Trusty on communicating sports turf to the public and Gary Peterson on putting turf to bed for winter. Concurrent sessions on pesticide-recertification training will be held in the afternoon, beginning at 1:30 with "Laws and Regulations," followed by "Pest Management Update: Changes in Pesticide Labels" and "Safe Handling and Storage of Pesticides."

For information on the conference, the Iowa Chapter or other chapter activities, contact Gary Peterson at (515) 791-0765.

Midwest Chapter STMA — The Midwest Chapter of the Sports Turf Managers Association was one of the 10 allied turfgrass organizations that co-sponsored the North Central Turfgrass Exposition. The NCTE was held Nov. 28-30 in the Pheasant Run Resort and ExpoCenter in St. Charles, IL. The conference addressed the needs of seasoned turfgrass professionals in addition to offering introductory material, including five sessions of a "Back to Basics" program. More than 100 firms exhibited in the trade show at the Pheasant Run MegaCenter.

A designated sports-turf session was held Nov. 29 from 8:30 a.m. to 11:30 a.m. The program included "Planning and Constructing Athletic Fields on a Tight Budget," presented by Dr. Norm Hummel of Cornell University; "Assessing Athletic Field Quality and Safety," by Mark Altman, of Altman and Altman Consulting; "Maintaining Turf Density," by Dr. Ken Diesburg, Southern Illinois University; and "Managing Water for Sports Fields," by Dr. Clark Throssell, Purdue University.

Midwest Chapter board meetings are held on the second Wednesday of every month. Chapter members are invited to attend.

For information on the chapter, board meetings, the NCTE or other upcoming activities call the Chapter Hotline at (708) 439-4727 or Marc Van Landuyt at (708) 367-7828.

The New England Chapter STMA — The New England Chapter is taking

applications for the Charles Mruk Scholarship for college students studying turf management. Anyone interested in receiving an application may write to: NESTMA, 800 Pleasant St., Rochdale, MA 01542. Completed application forms for the scholarship must be received by NESTMA by Jan. 1, 1995.

The Massachusetts Turf Conference will be held March 6-8, 1995. Highlights already scheduled for March 8 include presentations by STMA President Greg Petry, Dr. Hummel and the annual NESTMA breakfast. Details will be announced soon.

For information on the Charles Mruk Scholarship, the Turf Conference, the chapter or other upcoming events, contact Mary Owen, University of Massachusetts Cooperative Extension System, at (508) 892-0382.

The Heartland Chapter STMA — Notice to all sports-turf professionals in the Heartland: Matt Hoops, director of maintenance for the Gladstone, MO, City Parks and Recreation Department and the new acting president of the Heartland Chapter, wants *you*. Leaders, planners and willing workers are needed to help "make things happen" in this growing organization.

To lend a hand or to find out more about the Heartland Chapter, contact Matt Hoops at (816) 436-2200 or Jack Schwarz at (816) 792-2808 or (800) 344-8873.

Southern California Chapter STMA — For information on the Southern California Chapter and upcoming activities, contact Chris Bunnell at (619) 432-2421.

Chesapeake Chapter STMA — Chesapeake Chapter board meetings are held on the first Tuesday of each month from 4-6 p.m. Members are invited to attend.

For information on the chapter or upcoming activities, or to get together with others traveling to the national meeting in Florida in February, contact The Chapter Hotline, (301) 865-0667, or Art Downing, (410) 313-7254.

Colorado Chapter STMA — For more information on the chapter or future activities, contact Joe Adams, Greeley Parks and Recreation, at (303) 350-9340.