

# PRODUCT SHOWCASE

Profile YOUR products in the

## PRODUCT SHOWCASE

A FOUR-COLOR  
ADVERTISEMENT  
THIS SIZE FOR ONLY

# \$950!

CALL YOUR SALES  
PROFESSIONAL TODAY:

# 847-427-9512

### Multi-Use Out Front Seeder/Spreaders



A new line for all 3-wheel groomers and all utility sports field vehicles. Easy Mount® slip in-slip out bracket. Plexiglass blow back shield. Remote electric toggle switch for open and close efficiency. 90° side plate for controlled coverage. All-weather plastic cover. Also fits Easy Mount® spray tanks, base holders, and hose reels. Fits Toro Infield Pro 5000, John Deere Bunker Rake 1200A, Smithco Super Rake, Chetech and others. Call for free catalog of other unique attachments and tools.

Floyd Perry's

**GMS**

**Grounds Maintenance Services**

1-800-227-9381

Circle 132 on Postage Free Card

### No Nonsense!



The Earth and Turf topdresser is the simple way to spread dry, flowable material. A ground driven agitator and roller do the work. The choice of two spreading widths gives you versatility. On-the-go engagement & disengagement and adjustable flow rates make application easy. This is the affordable, "no nonsense" way to spread top dressings!

### Earth & Turf

112 S. Railroad Ave.  
New Holland, PA 17557  
Toll Free - 888-MY-E-AND-T (693-2638)

Circle 131 on Postage Free Card

### HADEKA Stone Corp.



Whether considering the construction of a new infield or upgrading an existing facility, the *HADEKA* product is for you. Red Diamond Clay is made from native stone that gives you a natural red color that lasts forever. Available in standard mix along with a home plate-pitcher's mound mix. Available in green also. (*HADEKA* Greenfield Baseball Clay).

### Hadeka Stone Corp.

P.O. Box 108  
Route #22 A  
Hampton, NY 12837  
PH: (518) 282-9605 FAX: (518) 282-9746  
E-mail: REDSLATE@JUNO.COM.

Circle 133 on Postage Free Card

# PRODUCT SHOWCASE

## AerWay Turf Aerators



AerWay turf aerators give grounds managers more options for treating sports field compaction. A typical playing field can be treated in less than 2 hours, ideal for working within a

narrow "window of opportunity" on heavily used fields.

AerWay relieves soil compaction 7" and deeper. Patented AerWay Shattertines twist in the soil, cracking it sideways, and gently lifting it, to relieve even the most severe compaction. Play or practice can resume following a mowing pass.

Starting under \$3,000, AerWay units are extremely rugged, need very little maintenance, and minimize labor requirements.

### "AerWay and Play Right Away"

For more information, a free video or a demonstration, call

1-800-457-8310

(Pacific Coast 1-800-663-8196)

E:mail: aerway@oxford.net

Circle 134 on Postage Free Card

## Water Reels



Kifco has introduced two models to their popular line of Water-Reels. The new B110 and B180 extend the product line to ensure there is a Water-Reel to fit your needs. Machines are compact, easy to use, operate unattended, and shut off automatically. They are suitable for all types of sports turf and are easily transported from one area to another. Water-Reels combine outstanding features that come from more than 25 years of traveling sprinkler engineering.

### Kifco, Inc.

P.O. Box 290, Havana, IL 62644

PH: (309) 543-4425 FAX: (309) 543-4945

<http://www.kifco.com>

Circle 136 on Postage Free Card

## Jaydee Drive Liner



The Jaydee Drive Liner is a self-propelled riding line marker. The 35-gallon paint tank carries enough marking material for a complete game field, or several practice fields. The 2-gallon flush tank cleans the discharge lines for work breaks, travel, or overnight. The center or side-mark spray shields are always operator-visible. A nearly zero turning radius reduces or eliminates back and turn maneuvers.

### Jaydee Equipment Company

202 East Joliet Highway, Box 278

New Lenox, IL 60451-0278

TOLL FREE: 1-800-443-3268

Circle 135 on Postage Free Card

Profile YOUR products in the

## PRODUCT SHOWCASE

A FOUR-COLOR  
ADVERTISEMENT  
THIS SIZE FOR ONLY

# \$950!

CALL YOUR SALES  
PROFESSIONAL TODAY:

# 847-427-9512

# PRODUCT SHOWCASE

## How Hard is Your Field?



The Clegg Impact Soil Tester is the "instrument of choice" for both natural and artificial turf (ASTM #F1702-96). The Clegg is used to measure the "stiffness" of natural or constructed conditions. Control the safety and playability of your field with our reliable and accurate device. For a representative in your area please call:

### Lafayette Instrument Co.

3700 Sagamore Parkway North  
Lafayette, IN 47903 USA  
Call Toll Free (800) 428-7545  
(765) 423-1505 Fax (765) 423-4111  
Email: [sports@licmef.com](mailto:sports@licmef.com)  
<http://www.lafayetteinstrument.com>

Circle 138 on Postage Free Card

## Soil Sifter®



- Heavy steel plate shovel
- 1/4 inch perforated hole
- Sifts quality infield soil
- Saves calcined clay product
- Filters out rocks, clay clods
- Filters out grass clippings
- Perfect for sand playgrounds
- Great for volleyball courts
- Great for beach cleanup
- Motus easy lift handle grip
- Works best in dry soil
- \$75 + \$15 Shipping

### Floyd Perry's

GMS For Sports Fields  
5238 Cypress Creek Drive  
Orlando, FL. 32811

1-800-227-9381 • Fax: 407-363-5965  
E-Mail [grounds@digital.net](mailto:grounds@digital.net)  
Web Site: <http://gms.simplenet.com>  
Call for Free Catalog

Circle 140 on Postage Free Card

## Laser Guided Grading



### Level Best Grading System

- Finish grade to within 0.25 inches automatically
  - Grade level, single or dual slopes easily
  - One person operation reduces labor costs
- The Level Best Grading System offers new features to turf professionals. It's perfect for installing and maintaining golf tees/greens and athletic fields. Level Best is available in widths from 4 feet to 10 feet and it easily attaches to class I or II tractor or skid steer.

### Level Best

42 Ridge Road  
Phoenixville, PA 19460  
Tel: (610) 917-8900  
Fax: (610) 983-9884

Circle 139 on Postage Free Card

## Affordable Topdresser



Starting under \$5,000, the Millcreek Topdresser/Spreaders will spread 2 cu.yds. in 7 minutes and topdress a football field in 2 to 3 hours.

- Rugged construction, built to last.
- Adjustable spread pattern, 3 ft. to 10 ft. wide.
- Unsurpassed for compost, clippings and more.
- More versatility — simple, safe operation.

The Millcreek Topdresser/Spreaders spread topdressing, infield mix, compost mixes and more with just one operator. Plus, you never pay too much for quality turf equipment from Millcreek.

### Millcreek Manufacturing Company

2617 Stumptown Road, Bird-in-Hand, PA 17505  
TOLL FREE: 1-800-879-6507

Circle 141 on Postage Free Card

# PRODUCT SHOWCASE

## Net-Avator Soil Conditioner



This machine is the answer to all your ground preparation problems—carrying out 6 operations in one pass. Features: cultivates to a depth of up to 8" (200mm); Pulverizes the soil into a fine tilth; Removes rocks, overgrowth and debris from the surface; Levels and rakes in one pass; Finish rolls leaving a firm surface; Sows grass seed with the optional hopper; Incorporates Netlon mesh elements and soil amendments. Licensed distributors of Multi-Use Products: Netlon ATS, Clegg Impact Hammers, and Net-Avator Equipment. Call today for more information!

### Multi-Use Designs, Incorporated

P.O. Box 5464, Fullerton, CA 92838-0464  
Tel (714) 526-3701 • Fax (714) 521-2338

Circle 142 on Postage Free Card

## Estate Master®



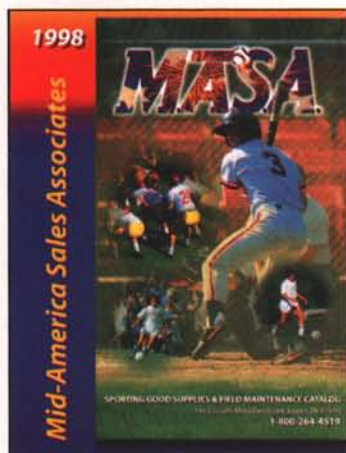
The Estate Master® from Parker Sweeper is designed for sweeping athletic fields, golf courses, parks and other large turf areas. This sweeper cleans a swath of more than 8 ft. with every pass. Designed with four rows of polypropylene brushes to ensure efficient pickup of grass clippings, leaves and other lawn debris. Collects up to 51 cu. ft. For more information on the Estate Master or any Parker product, contact us at:

### Parker Sweeper

111 South Rohlwing Rd, Addison, IL 60101  
(630) 627-6900  
Fax: (630) 627-1130

Circle 144 on Postage Free Card

## Masa's equipment covers all the bases



- Bases, Home plates, & Pitching rubbers
- Paint, Field chalk, & Lining equipment
- Grooming equipment
- Helmets
- Scoreboards
- Wind screen
- Pitching machines & Batting cages
- Radar Guns & Training Devices
- Portable fencing & Protective fence cap
- Diamond dry & Soil master

- Water removal equipment
- Above ground irrigation travelers
- Player Benches & Bleachers
- Soccer goals & Equipment

Masa offers only the highest quality products, excellent service, and low prices. To receive a free 36 page catalogue call 800-264-4519

Circle 143 on Postage Free Card

## Fence Guards™



Protect against chain link fence injuries with Fence Guard™. Now made from heavy-duty poly in high-visibility safety yellow. Fence Guard™ attaches every 2' with plastic ties provided for secure and safe chain link fence with the distinctive, high-visibility, neat look that only Fence Guard™ provides. One of the over 200 sports products available from "Your One-Stop Source for America's leading baseball surfaces and supplies."

### Partac/Beam Clay®

Kelsey Park, Great Meadows, NJ 07838  
800-247-BEAM • 908-637-4191

Circle 145 on Postage Free Card

# PRODUCT SHOWCASE

## GRADEMASTER



For level, single, or dual grade, GRADEMASTER is automatically laser controlled and eliminates uneven grade, potholes, wet spots and dips on athletic fields, greens or tee boxes. GRADEMASTER . . . The Right Choice for your Grading applications. GRADEMASTER is easy to use! One man can operate GRADEMASTER and achieve improved accuracy.

For information and video contact:

**Southern Laser, Inc.**  
P.O. Box 338  
Lutz, FL 33549  
Tel: 800 622-5777 (813) 949-4777  
Fax (813) 949-0509

Circle 146 on Postage Free Card

## Kromer



### PROBLEM

Is there a ridge of infield material hidden in the outfield grass that can trip running players or injure a player by a deflected thrown or batted ball.

### SOLUTION

The **KROMER RIDGE REMOVER BROOM** shown sweeping this displaced material back into the infield where it is leveled by a floating blade and broom on back of the **KROMER AFM™**

## KROMER CO.

Mound, MN 55364  
800-373-0337 Fax 612-472-4371  
[www.kromer-afm.com](http://www.kromer-afm.com) email: [kromer@kromer-afm.com](mailto:kromer@kromer-afm.com)

Circle 148 on Postage Free Card

## 12-Volt Field Markers



The Tru Mark Athletic Field Marker is designed for convenience, safety and economy. Uses efficient 12-volt Shurflo pump to deliver field paint at 45 p.s.i. Folding or removable handles for transport or storage. Powder coated finish, zinc plating, and stainless steel fasteners provide maintenance free life.

## TRU MARK

### Atheletic Field Markers

P.O. Box 1662 • Norfolk, NE 68702-1662  
Phone: 1-800-553-6275

Circle 147 on Postage Free Card

## Easy Mark® Batter's Box Chalkers



- Groundskeepers Best Friend
- Convenient
- Light Weight
- Durable
- High Volume
- Spill Free
- Tight Carry Tray
- Eliminates 4-wheeled Chalker
- Light Tap Does the Job
- Straight lines evenly applied

Full Size (Official Contests)	Corner (for Recreation Fields)
Baseball - 48" x 4"	Baseball - 15" x 4"
Softball - 36" x 2"	Softball - 15" x 2"
\$189 + \$13.50 Sh.	\$140 + \$8.50 Sh.

## Floyd Perry's

GMS For Sports Fields  
5238 Cypress Creek Drive  
Orlando, FL. 32811

1-800-227-9381 • Fax: 407-363-5965  
E-Mail [grounds@digital.net](mailto:grounds@digital.net)  
Web Site: <http://gms.simplenet.com>  
Call for free catalog

Circle 000 on Postage Free Card

# WORLD CLASS



athleticsurfaces



## WORLD CLASS TURF STENCILS

World Class turf stencils provide professional field graphics at an economical cost. Whether for baseball, soccer, football or fund raisers for corporate sponsors for golf tournaments, World Class turf stencils are perfect for any sports event.



Constructed of clear, flexible polyethylene plastic sheeting, World Class stencils are durable, easy to clean and store. The tracing pattern method provides a quick and easy design for even the most inexperienced painter.



Let one of our representatives assist you by faxing or calling:

Fax: (601) 686-9977  
Call: 1-800-748-9649

*"We make the game look better!"*

P.O. Drawer 152 • Leland MS 38756-0152 • (601) 686-9977 • 1-800-748-9649 • FAX # (601) 686-9977

# JOHN DEERE GATOR® ACCESSORIES



## NEW FASTLINER PAINT LINE MARKING SYSTEM

Fastliner lives up to it's name, marking athletic fields at speeds up to 15 mph. Fastliner paints lines on athletic fields, parking lots and streets. Mounts to 6x4 or 4x2 Gator®.



## BALL FIELD FINISHER

Heavy duty electric 3 point lift raises or lowers attachments on rear of Gator® 6x4 or 4x2. Ideal for Broyhill's

Ball Field Finisher, featuring flip-up scarifier, 45 degree back slope level bar and 12"x2" rubber flails. Pattern grooves allow pattern definition for all ball fields. Works great even in wet conditions. (79" wide) (shown with new electric 3-point lift kit)

**Broyhill** ...over 50 years of excellence.

800.228.1003

One North Market Square • Box 475 • Dakota City NE 68731  
www.broyhill.com • email: broyhilsal@aol.com

Call 1(800) 817-1889 use **FastFax #1170998** and/or **Circle 117** on Postage Free Card

**Circle 118** on Postage Free Card

## ADVERTISING SALES

### sportsTURF

2101 S. Arlington Heights Rd., #150  
Arlington Heights, IL 60005

### GROUP PUBLISHER

Rich Perkins  
(847) 427-2002  
Fax: (847) 427-2041

### ASSOCIATE GROUP PUBLISHER

Jeff Boulden  
(847) 427-2056  
Fax: (847) 427-2006

### MARKETING COORDINATOR

Ellen Norton  
(847) 427-2011  
Fax: (847) 427-2006

### REGIONAL SALES REPS.

Deanna Morgan  
(847) 427-3003  
Fax: (847) 427-2006  
AL, FL, GA, KY, LA, MD, MS,  
NC, SC, TN, VA, WV

Gretchen Wagner  
(847) 427-2058  
Fax: (847) 427-2006

AK, AZ, CA, HI, ID, MT, NV,  
OR, UT, WA, W. CANADA

### REGIONAL SALES REPS.

Larry Anderson  
17733 Bernadine St.  
Lansing, IL 60438  
Ph: (708) 418-3196

AR, CO, IN, KS, MO, ND,  
NE, NM, OK, SD, TX, WY

Paul Garris  
29100 Aurora Rd.  
Salon, OH 44139

(440) 248-1125 Ext.241  
Fax: (440) 248-0187

CT, DC, DE, IN, MA, MI,  
NH, NJ, NY, OH, ONTARIO,  
PA, QUEBEC, RI, VT

Colleen Murphy  
Millennium Marketing  
Group, Ltd.

306 E. Sunset Dr.  
Arlington Heights, IL 60004  
(847) 590-1162  
Fax: (847) 590-1163  
IA, IL, MN, WI

### Susan Sims

966 E. Sutton Dr.  
Fresno, CA 93720  
(209) 434-2461

Fax: (209) 434-2462  
CA (LA Co., Orange Co.,  
San Diego Co.)

## ADVERTISERS' INDEX

Becker-Underwood .....	31
Broyhill .....	32
Covermaster .....	20
Earth & Turf Products .....	31
Goossen Industries .....	14
Gordon Bannerman LTD .....	2
Grounds Maintenance Services .....	31,33,35
Hadeka Stone Corp. ....	31
Holland Equipment .....	32
Jaydee Equipment Co. ....	32
Kifco Irrigation .....	32
Kromer Company .....	35
Kubota Tractor Corp. ....	17
Lafayette Instruments .....	33
Level Best Grading System .....	33
Loft's Seed Company .....	40
LR Nelson Corp. ....	38
Millcreek Manufacturing Co. ....	33
Multi-Use Designs Inc. ....	34
M.A.S.A. Athletic Products .....	34
National Mower .....	10
Parker Sweeper .....	34
Partac / Beam Clay .....	24,34
Plant Health Care, Inc. ....	3
Smithco, Inc. ....	5
Southern Laser, Inc. ....	35
Southwest Recreational .....	39
STMA .....	19,27
Toro Company, Irrigation Div., The .....	23
TruMark / Spartan Industries .....	35
Turfo Mfg. Inc. ....	18
West Coast Turf .....	15
World Class Athletic Surfaces .....	36

## CLASSIFIEDS

### POND AND LAKE LINERS

Buy direct from fabricator  
20, 30, 40 mil PVC, Hypalon, HDPE  
& Polypropylene.  
Custom fabricated panels. Material only,  
Material & Supervision or  
Complete Installation Service available.



Colorado Lining  
INTERNATIONAL

(800) 524-8672  
1062 Singing Hills Rd.  
Parker, CO 80138  
(303) 841-2022 FAX: (303) 841-5780

### SPORTSFIELD DRAINAGE

Plagued with a soggy field?  
SLIT DRAINAGE may be the  
answer to your prayers.  
Why not give us a call?



Tel.: 1-888-664-7489 Fax.: (514) 664-4555  
e.mail: lanco@total.net  
http://www.total.net/~lanco

## HELP WANTED

### Irrigation Service Technician and Crew Leader

Montgomery Irrigation has immediate openings for Technicians and Crew Leaders in both Maryland and Northern Virginia. Applicant must have excellent communication skills and be committed to customer service. Excellent compensation and benefits. Call 800-538-2326 or fax your resume to Chris 703-803-8003.

### Grounds Specialist

Full time, 12 month, Grounds Specialist needed to maintain & develop 57 acres mixed-use athletic fields & landscaping @ 4 building complexes. Requires 2 yrs. tech school w/horticultural degree; 3 yrs. athletic field maintenance experience; valid Ohio Driver's License; operation of trucks, tractors & implements; ability to meet insurability requirements, read and write technical reports, lift up to 80 lbs., work selected weekends & holidays for special college events. Must have excellent references, evaluations & attendance record. \$13.08/hr. w/excellent benefits. Submit cover letter, resume & application form by 10/1/98 to the Department of Human Resources, 173 W. Lorain, Oberlin, OH 44074. AA,EOP.

### ATHLETIC FIELD MAINTENANCE/PARKS

The Waukegan Park District is seeking a full-time Parks Maintenance Worker III to perform various skilled parks maintenance tasks to areas, facilities and site amenities located throughout the Park District. Specifically responsible for athletic fields and park turf programs, e.g., fertilizer and herbicide applications, irrigation, soccer field and ball diamond prepping, and athletic field construction renovation. Associates degree in turf science or related field preferred. Minimum of 3 yrs. of related experience. Contact: Mike Trigg, Waukegan Park District, 2000 Belvidere, Waukegan, IL 60085, 847/360-4725.

# Who's Building Your Field?

by Dr. Dave Minner

Whether you hire an outside design and construction firm to build your new athletic field or you do the work in-house, you need to arm yourself with the same information. It's always best to start with some basic questions.

## What's wrong with my field?

Study the successes and failures of your existing fields to develop realistic expectations for your new construction or renovation projects. Most often, my clients cite soil compaction and poor drainage as the reasons for developing new field systems.

Soils with high clay content are especially susceptible to compaction on intensely trafficked areas. A small amount of precipitation can turn a compacted soil into a dangerous, muddy playing surface.

If possible, increase the number of practice fields to reduce game-field activity. It's less costly to reduce traffic than to build a new field.

## Are sand-based fields the answer?

Sand-based fields provide rapid internal drainage and they eliminate compaction problems. They provide a six- to 12-inch rootzone comprised of specially sized sand that may be mixed with organic amendments. A common mixture contains 80-

90-percent sand and 10- to 20-percent peat.

The sand system is almost always sodded, preferably with a sod that contains at least 65-percent sand. The rootzone mix is placed above a 4-inch gravel blanket connected to a network of drains immediately below it.

This type of system usually costs between \$450,000 and \$800,000 for a 90,000-square foot football facility. To reduce material costs, some fields are being built with a shallower rootzone, and they're eliminating the gravel layer.

## Do sand-based fields have limitations?

Excessive traffic on sand-based fields can remove the protective mat of sod, leaving an expensive and unusable "beach" system. Fortunately, these fields tend to come under great scrutiny, and consequently, use is generally very limited.

Sand-based fields will generally handle a 25-event schedule without severe break-through of the surface. Synthetics, such as SportGrass, Turfgrids, and Netlon Mesh Elements can be added to sand-based systems to help stabilize the sand surface as the grass wears away. However, sand-based fields are generally not suitable for facilities that have to handle heavier schedules.

# Q&A

## Can I simply add sand to my existing field?

In general, the upper eight inches of your rootzone needs a minimum of 75-percent sand by weight. When properly mixed, this produces better initial water infiltration, reduces field hardness, and makes core aeration easier.

Compared to sand-based systems, "sand-tilled" systems have inferior water movement, porosity, and resistance to compaction. The mixing process that labs use to predict the ratio of sand to soil is difficult to reproduce in these tillage operations. If insufficient sand is used, the field can become harder and more compact than it was originally.

You can have good intentions, and can spend \$30,000 tilling sand into your field, but you have little guarantee that conditions will improve.

## Who's building your field?

I've been involved with a number of design companies and contractors that build fields on a national level, but I was surprised to learn that it was difficult to find local companies that build and renovate sports facilities.

I have listed a few of the companies that build fields at the national level. This list is by no means comprehensive. If you'd like to be included in this group, please send your company information to my e-mail address: [dminner@iastate.edu](mailto:dminner@iastate.edu). I will compile a directory of field builders that will be available through the STMA.

- SW Franks Construction Division of South West Recreational Industries Cleveland, OH (216) 664-1600
- Burton F. Clark, Inc. Delhi, NY (607) 746-2727
- Randal & Blake, Inc. Littleton, CO (303) 795-2582
- Motz, Inc. Cincinnati, OH (513) 871-3992
- Hellmuth, Obata, & Kassabaum, Inc. Kansas City, MO (816) 221-1576
- Ellerbe Becket Kansas City, MO (816) 561-4443 □

David D. Minner, Ph.D., is an associate professor with the Department of Horticulture at Iowa State University. He serves on STMA's Certification Committee. Contact Dave at: ISU, Hort. Dept., Ames, IA 50011; or call: (515) 294-2751, fax: (515) 294-0730, or e-mail: [dminner@iastate.edu](mailto:dminner@iastate.edu).



ALLTEL Stadium - Home of the Jacksonville Jaguars

7500

7005

6505

**Nelson Sports Turf Gear Drives  
"Your home field advantage"**

**NELSON**

Call 1-800-743-1020 for a catalog

Circle 114 on Postage Free Card





Ryans Field, Northwestern University,  
Evanston, IL

# S.W. Franks Construction — The One Source for Superior Natural Turf Systems from Coast to Coast

**Featuring Sandbased, Stabilized,  
Highly-Engineered Grass Sports Fields  
that Outperform Anything in the Field  
for all Levels of Competition.**

With more than 45 years of successful general contracting and installation experience, S.W. Franks Construction truly sets the industry standard by delivering grass solutions that are tougher, more reliable and longer lasting.

Through advanced research, a large inventory of construction equipment and as a member of the SOUTHWEST Recreational Industries family that includes AstroTurf® and EuroTan® brand systems, S.W. Franks brings unparalleled experience, dependability and sports surfaces technology for multiple projects anywhere in the country.

**Call 800-233-5714 today.**

**On Schedule... Every Time!**



**S.W. Franks Construction Co.**  
2070 West Third Street  
Cleveland, Ohio 44113-2586  
Phone: (216) 664-1600  
Fax: (216) 664-1665

Circle 115 on Postage Free Card

© AstroTurf, Eurotan, and SW is a registered trademark of SOUTHWEST Recreational Industries, Inc.



**The equipment  
and tools to do  
the job right  
from concept to  
opening day**



Excavation



Drainage System



Infield construction



Sod Installation

## **NEW INSTALLATIONS:**

- Cleveland Browns
- Tennessee Oilers
- Baltimore Ravens
- Indiana University
- University of Notre Dame