

Research & Grant News

The NOCSAE Board approved two research grant proposals for 1998 at the June Board Meeting:

Mark S. Link, M.D., of Tufts University School of Medicine at the New England Medical Center Hospitals in Boston, MA was awarded a two year grant for his proposal on "Decreasing the Risk of Commotio Cordis: Sudden Death From Low Energy Chest Wall Impact." This grant is a continuation of a previous NOCSAE grant to Dr. Link and his associates, who published their findings in the New England Journal of Medicine. In their previous work, they found that if the chest received an impact during a specific 0.015 second window of the cardiac cycle, that ventricular fibrillation can result and stop the heart from beating. Surprisingly, the risk of commotio cordis was greatest when the ball was traveling 40 mph, while the risk decreased at 50 and 60 mph. Their present grant aims to more fully understand the mechanisms associated with commotio cordis and to evaluate potential prevention schemes.

Kyu-Jung Kim, Ph.D., of the Orthopaedic Biomechanics Laboratory, Mayo Foundation, Rochester, MN, was awarded a one year grant for his proposal "Biomechanics of Wrist Guards - Efficient Usage in Preventing Forearm Injuries." Wrist guards used in recreational sports such as in-line skating appear to protect against wrist fractures; however, the fractures may be occurring higher up the arm and be less easily reduced due to the guard configuration. Dr. Kim and his colleagues will perform several biomechanical studies to more closely examine the possible mechanism of forearm fracture. They will study impact forces, joint angles and wrist guard strain during simulated fall experiments with young volunteers. They will also develop three-dimensional finite element models of the forearm and wrist to estimate the stress in various anatomical structures.

The scope of the grants NOCSAE considers for funding includes basic and/or applied research that aims to increase the understanding of sports injury mechanisms and injury prevention through the use of protective sports equipment. Priority is given to proposals that focus on recurring injury where the injury is either catastrophic, serious, and/or costly. For further information about the grant application process, see the NOCSAE web page at www.nocsae.org or contact the Research Director, J.J. Crisco, Ph.D. at (401) 444-4677.

June Board Meeting Highlights

The NOCSAE Board made the following determinations at the June Board meeting:

- The new NOCSAE catcher's helmet standard was reviewed and a change in the helmet logo was approved. The standard applies to conventional two-piece styles and the newer one-piece styles.
- The Board approved funds for the development of a state of the art headform to replace those currently in use. It is hoped that this new headform will be available within the next twelve months.
- NOCSAE agreed to fund two new research grants, continue funding of last year's research programs and support the high school athletic injury study directed by Dr. Fred Mueller of the University of North Carolina at Chapel Hill.
- NOCSAE is also assisting the National Federation of State H.S. Associations in reviewing the need for a pole vault helmet standard.

On the Web:

www.nocsae.org

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Current NOCSAE Licensees - Manufacturers and Reconditioners - by Category

Football Helmet & Faceguard Manufacturers

Adams U.S.A.
 Nocona Athletic Goods Company
 Park View Manufacturing (brand: Schutt Sports)
 Riddell/All American - Chicago
 Schutt Manufacturing (brand: Schutt Sports)

Football Faceguard Manufacturers

Adams U.S.A.
 Riddell/All American

Football Helmet Reconditioners

Ace Reconditioners
 AIR Reconditioning/Park View Mfg.
 All Sport Services Corporation
 Athletic Equipment Repair Corporation
 Athletic Reconditioning, Inc.
 Athletic Repair Service, Inc.
 Butler Reconditioners
 Capitol Varsity Sports, Inc.
 Cen-tex Athletic Repair, Inc.
 Circle System Group
 Continental Athletic Supply
 Dix Enterprises
 Ego Sports Repair
 Goode Enterprises, Inc.
 Gunther's Athletic Service
 Harco Reconditioners
 J & H Athletic Equipment Reconditioning, Inc.
 Kasco Athletic Reconditioning, Inc.
 Northeast Athletics, Inc.
 ONeal West Reconditioners
 Phil Murray & Son, Inc.
 Pro Line
 Pro-Line Team Sports
 Riddell/All American
 Royal Athletic Company
 Solar System Athletic
 Sports Systems, Inc.
 Stadium Systems, Inc.
 Sunvalco
 Tucker Mfg. Co., Inc.

Baseball/Softball Manufacturers

A. D. Starr
 Diamond Sports
 Rawlings Sporting Goods Co., Inc.
 Riddell/All American
 Sport Supply Group, Inc.
 Worth, Inc. (RIF balls only)

Baseball/Softball Batters Helmet Manufacturers

A. D. Starr
 Adams U.S.A.
 All-Star Sporting Goods/AMPAC
 Irwin Sports
 Nocona Athletic Goods Company
 Park View Manufacturing (brand: Schutt Sports)
 Riddell/All American - Chicago
 Sport Supply Group, Inc.
 Western Athletic Supply
 Worth, Inc.

Baseball/Softball Catchers Helmet Manufacturers

Adams U.S.A.
 All-Star Sporting Goods/AMPAC
 Nocona Athletic Goods Company
 Parkview Manufacturing (brand: Schutt Sports)
 Riddell/All American - Chicago

Lacrosse Helmet & Faceguard Manufacturers

Bacharach Rasin Company, Inc.
 Playlax, Inc.
 St. Lawrence Steel & Wire
 Sport Helmets, Inc.
 Stall & Dean

Lacrosse Helmet Reconditioners

Ace Reconditioners
 Continental Athletic Supply
 Circle System Group
 Northeast Athletics
 Riddell/All American

Directory of Current NOCSAE Licensees - Manufacturers and Reconditioners *A thru M*

ACE Reconditioners

728 Henderson Avenue
Washington, PA 15301
William F. Homnick, Pres.
Tel: 724-225-8710
Fax: 724-223-1559

Adams USA

PO Box 489
Cookeville, TN 38503
Garry W. McNabb, Pres.
Email: adamsusa@tnaccess.com
Tel: 931-526-2109
800-251-6857 (toll free)
Fax: 931-526-8357
Web: www.adamsusa.com

A. D. Starr

55 Chastain Road, Suite 105
Kennesaw, GA 30144
Jeff Criswell
Tel: 800-487-2448 (toll free)
Fax: 770-590-5210
Web: www.adstarr.com

Air Reconditioning/Park View Mfg.

2510 South Broadway
Salem, IL 62881
John W. Mansfield, V.P. & Gen. Mgr.
Tel: 618-548-9054
Fax: 618-548-9439
Web: www.schuttssports.com

All Sport Services Corporation

1310 East 49th Street
Cleveland, OH 44114
Hans C. Dollhausen, Pres.
Tel: 216-361-1965
Fax: 216-361-1983

All-Star Sporting Goods Products/AMPAC

1 Main Street
PO Box 1356
Shirley, MA 01464
Dave Holden, Pres.
Tel: 508-425-6266
800-777-3810 (toll free)
Fax: 978-425-4068

Athletic Equipment Repair Corporation

530 South 2nd Street
Milwaukee, WI 53204
Thomas Santicola, Pres.
Tel: 414-271-2837
Fax: 414-271-4670

Athletic Reconditioning, Inc.

112 West 4th Street
Newton, NC 28658
Tommy Simmons, Pres.
Tel: 704-464-7981
888-591-1919 (toll free)
Fax: 704-464-7982

Athletic Repair Service, Inc.

PO Box 482
Canby, OR 97013
Clyde Powell, CFO
Tel: 503-266-4613
Fax: 503-266-2519

Bacharach Rasin Company, Inc.

802 Gleneagles Court
Baltimore, MD 21286
Chris Hutchins, Pres.
Tel: 410-825-6747
Fax: 410-321-0720
Web: www.bacharach.com

Butler Reconditioners

332 Lincoln Avenue
Lakeview, MI 48850
Gary Jensen, Pres.
Tel: 517-352-7292
Fax: 517-352-7618

Capitol Varsity Sports, Inc.

6723 Ringwood Road
Box 669
Oxford, OH 45056
Robert Fawley, Pres.
Tel: 513-523-4126
Fax: 513-523-0426

Cen-tex Athletic Repair, Inc.

3858 Val Verde Road
McGregor, TX 76657
Red Smith, Pres.
Tel: 254-840-2151
Fax: 254-340-4333

Circle System Group

653 Bushkill Street
Easton, PA 18042
David Drill, Pres.
Tel: 800-248-0019 (toll free)
Fax: 610-253-1798

Continental Athletic Supply

PO Box 128
1050 Hazel Street
Gridley, CA 95948
A. L. "Brud" Soares, Pres.
Tel: 530-846-4711
Fax: 530-846-5155

DIX Enterprises

10288 South Old Highway 41
Carlisle, IN 47838
Garrett Ackles, Pres.
Email: garrett@dix-ent
Tel: 812-398-2000
Fax: 812-398-2010
Web: www.dix.ent.com

EGO Sports Repair

Box 6
1804 Brock Road
Freelton, Ontario LOR 1K0
Wayne Ego, Pres.
Email: egosports@globalserve.net
Tel: 905-659-7288
Fax: 905-659-0894
Web: www.globalserve.net/~egosports/

Goode Enterprises, Inc.

129 W. Valley Ave.
Birmingham, AL 35209
A. Howard Nylen, Pres. of Operations
Tel: 205-942-5650
Fax: 205-942-5688

Gunthers Athletic Service

1021 East Orangethorpe
Anaheim, CA 92801
Craig W. Drager, Vice President
Tel: 714-992-1420
Fax: 714-992-0694

Harco Reconditioners

520 N. Link Lane
Fort Collins, CO 80524
Chris Bachman, Pres.
Tel: 970-482-1814
Fax: 970-482-0336

Irwin Sports

43 Hanna Avenue
Toronto, Ontario M6K 1X6, Canada
George Irwin, Pres.
Len Clement, Dir. of Prod. Dev.
Email: lclement@interlog.com
Tel: 416-533-3521
Fax: 416-533-0715

J & H Athletic Equipment Reconditioning, Inc.

PO Box 1077
Grand Island, NE 68802
Christi Wieck, Manager
Tel: 308-382-6481
Fax: 308-382-6481

Kasco Athletic Reconditioning, Inc.

202 E. Sharp
Spokane, WA 99220-3026
Jim Kimmel
Tel: 509-326-6580
Fax: 509-323-2393

Maskcoaters

O. Eric Tundevold, Pres.
1006 Dunks Rd.
Sherwood, MI 49089
Tel: 517-741-7453
Fax: 517-741-3772

Directory of Current NOCSAE Licensees - Manufacturers and Reconditioners

N thru Z

Nocona Athletic Goods Company

PO Box 329
208 Walnut Street
Nocona, TX 76255
R. M. Storey, Pres.
Tel: 940-825-3326
800-433-0957 (toll free)
Fax: 940-825-4994
Web: www.nokona.com

Northeast Athletics, Inc.

1476 Lisbon Street
Lewiston, ME 04240
Ron LeBlanc, Pres.
Tel: 207-782-9741
Fax: 207-782-0750

Oneal West Reconditioners

42207 6th Street West, Ste. 107
Lancaster, CA 93534
Ed Luster, Pres.
Virginia Luster, Vice-Pres.
Tel: 805-940-0565
Fax: 805-940-0567

Park View Manufacturing Corporation

2510 South Broadway
Salem, IL 62881
John W. Mansfield, V.P. & Gen. Mgr.
Tel: 618-548-9054
Fax: 618-548-9439
Web: www.schuttssports.com

Play-Lax, Inc.

21632 New Freedom Rd.
Freeland, MD 21053
A. Francis Darcangelo
Tel: 607-962-3843
Fax: 607-936-2244

Pro Line

120 Industry Road
Marietta, OH 45750
Rodney M. Zide, Pres.
Tel: 740-373-4020
Fax: 740-373-2582

Pro-Line Team Sports, Inc.

907-C Alton Pkwy.
Birmingham, AL 35210
Philip Doyle, Pres.
Virginia Doyle, Vice-Pres.
Tel: 205-836-1996
Fax: 205-836-1990

Rawlings Sporting Goods Co., Inc.

PO Box 22000
St. Louis, MO 63126
Howard B. Keene, Interim CEO & Pres.
Tel: 314-349-3500
Fax: 314-349-3580

Riddell/All American Manufacturing

3670 N. Milwaukee Ave.
PO Box 41697
Chicago, IL 60641
Nelson Kraemer, Dir. of Quality Control
Dan Kult, Dir. of Technology
Tel: 773-794-1994
Fax: 773-794-9387

Riddell/All American Reconditioners

1320 Taylor Street
Elyria, OH 44035
Don Gleisner, Pres.
Ray Cromwell, V.P. of Operations
Tel: 440-366-8225
800-275-5338 (toll free)
Fax: 440-366-0041

Royal Athletic Company

332-334 Walnut Street
Box 21
Yankton, SD 57078
Duane Hardy, Pres.
Tel: 605-665-9333
Fax: 605-665-9344

Schutt Manufacturing

610 So. Industrial Ave.
Litchfield, IL 62056-0426
Ken Nimmons, Pres.
Tel: 217-324-3978
Fax: 217-324-3236
Web: www.schuttssports.com

Solar System Athletic

3003 E. Courtland Avenue
Spokane, WA 99207-4345
Nick Simchuk
Tel: 509-483-3919
Fax: 509-483-6428

Sport Helmets, Inc.

900 Old Liverpool Road, Ste. 13
Liverpool, NY 13088
Steve Moore, Pres.
Tel: 315-453-3073
800-537-1702 (toll free)
Fax: 315-453-3762
Web: www.sporhelmets.com

Sport Supply Group, Inc.

PO Box 7726
Dallas, TX 75209-0726
Steve Silvergleit, Marketing Dir.
Tel: 972-484-9484
800-527-7510 (toll free)
Fax: 800-899-0149
Web: www.bsnsports.com

Sport Systems, Inc.

6160 S. 350 West, Unit A
Murray, UT 84107
Bruce Hagan, Pres.
Tel: 801-561-1887
801-484-3531
Fax: 801-561-2082

St. Lawrence Steel & Wire

425 Herbert Street
Gananoque, Ontario, Canada K 7G 2V1
Jim McClelland, Pres.
Tel: 613-382-3565
Fax: 613-382-4563

Stadium Systems, Inc.

61 Church Street
PO Box 940
Canaan, CT 06018
Kenneth Schopp, Pres.
Tel: 860-824-5479
Fax: 800-708-0060

Stall & Dean

PO Box 698
95 Church Street
Brockton, MA 02403
Henry Jackson, Pres.
Tel: 508-586-2414
888-707-2633 (toll free)
Fax: 508-941-5889

Sunvalco Athletic Supply Company

3811 W. Indian School Road
Phoenix, AZ 85019
Gary Markichevich, Vice-Pres.
Tel: 602-269-7833
602-269-2368
Fax: 602-269-2405

Tucker Mfg. Co., Inc.

PO Box 1506
120 Crown Drive
Batesville, MS 38606-1506
John Tucker, Jr., Vice-Pres.
Tel: 601-563-7220
800-203-5444 (toll free)
Fax: 601-563-7280

Western Athletic Supply

850 Marlborough Avenue, Ste. 200
Riverside, CA 92507
John A. Lenertz, Pres.
Tel: 909-683-8000
800-624-6637 (toll free)
Fax: 909-683-2444

Worth, Inc.

PO Box 88104
Tullahoma, TN 37388-8104
Robert Parish, Pres. & CEO
Jess Heald, Sr. Vice-Pres. of Marketing & Sales
Tel: 931-455-0691
Fax: 931-454-9164
Web: www.worthsports.com

Current NOCSAE Standards

- 100-96 Troubleshooting Guide for Test Equipment and Impact Testing
- 101-96 Equipment Calibration Procedures
- 001-96 Standard Drop Test Method and Equipment Used in Evaluating the Performance Characteristics of Protective Headgear
- 002-96 Standard Performance Specification for Newly Manufactured Football Helmets
- 003-96 Laboratory Procedural Guide for Certifying Newly Manufactured Football Helmets
- 004-96 Standard Performance Specification for Recertified Football Helmets
- 005-96 Laboratory Procedural Guide for Recertifying Football Helmets
- 021-98 Standard Projectile Impact Test Method and Equipment Used in Evaluating the Performance Characteristics of Protective Headgear/Projectiles
- 022-98 Standard Performance Specification for Newly Manufactured Baseball/Softball Batters Helmets (effective 1/1/99)
- 023-98 Laboratory Procedural Guide for Certifying Newly Manufactured Baseball/Softball Batters Helmets (effective 1/1/99)
- 024-98 Standard Performance Specification for Newly Manufactured Baseball/Softball Catchers Helmets with Faceguard (effective 1/1/99)
- 025-98 Laboratory Procedural Guide for Certifying Newly Manufactured Baseball/Softball Catchers Helmets with Faceguard (effective 1/1/99)
- 7/10/90 Standard Method of Impact Test and Performance Requirements for Football Faceguards
- 7/10/90 Standard Method of Impact Test and Performance Requirements for Lacrosse Helmets and Faceguards

NOCSAE Standards Are Available

NOCSAE publishes standards for new football helmets and faceguards, recertified football helmets, baseball/softball batters helmets, baseballs and softballs and lacrosse helmets and faceguards. The NOCSAE standard for baseball/softball catchers helmets is available and will take effect in January 1999.

Copies of the NOCSAE standards may be obtained free of charge by contacting NOCSAE at (913) 888-1340. There is a notebook edition of the football helmet standard for newly manufactured helmets or for recertified football helmets that may be purchased for \$25 per notebook, including mailing. The notebook edition is printed on 3-hole punched, laminated pages and bound in a 3-ring binder. The notebooks are durable and intended to be used in a laboratory or shop setting, where it is feasible that the user might want to replace or add pages as the standards are updated or modified.

1998 Board of Directors

“Commissioning research and establishing standards for athletic equipment, where feasible, and encouraging dissemination of research findings on athletic equipment and sports injuries.”

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SPECIAL DIRECTORY ISSUE . . .

Look inside for a directory of NOCSAE licensed reconditioners and manufacturers who certify equipment according to NOCSAE standards.