

## **MINUTEMAN REGIONAL HIGH SCHOOL**

School of Applied Arts & Sciences

758 Marrett Road, Lexington, Massachusetts 02421

[www.minuteman.org](http://www.minuteman.org)

### **Minuteman Regional School Committee 2005**

Charles Olmstead of Acton	Rosalie Barton-May of Lancaster
Laura Morrissette of Arlington	Marjorie Daggett of Lexington
Linda Frizzell of Belmont	Kemon Taschioglou of Lincoln
Kileen Burgoyne of Bolton	Jeffrey Stulin of Needham ( <i>Chairman</i> )
Donna Corey of Boxborough	Alice DeLuca of Stow ( <i>Secretary</i> )
Nancy Weiss of Carlisle	Atty. Paul Lynch of Sudbury ( <i>Vice-Chair</i> )
John Lang of Concord	Mary Ellen Castagno of Wayland
Frank Gobbi, Jr. of Dover	David Harmon of Weston

Student Representative – James Sullivan of Arlington

After several years of dedicated service, three members left the Regional School Committee in 2005. The entire Minuteman Regional School District thanks Dr. Erin Phelps of Arlington, Dr. Michael Rudd of Concord and Mary Shaw of Weston for their years of service and leadership.

### **Class of 2005 Graduate Achievement Highlights**

- 91% of the Class of 2005 graduated into college, employment in their field of study or the US military.
- Commercial & Human Services graduates achieved 94% placement rate with 25 of 48 (52%) enrolled in college and 20 of 48 (42%) employed in their field of study.
- Science Technology graduates achieved 92% placement with 53 of 64 (83%) enrolled in college, 2 of 64 (3%) employed in their field of study and 3 of 64 (6%) enlisted in the US military with 100% of electromechanical engineering, environmental science and graphic communications students attending college.
- Construction-Trades graduates achieved 89% placement rate with 16 of 72 (22%) enrolled in college, 47 of 72 (65%) entering the workplace in their field of study and 1 of 72 (2%) enlisting in the US military.
- 100% of Dental graduates passed the National Dental Board examination.
- 100% of Early Childhood Education graduates were certified by the Office for Child Care Services.
- 96% of Cosmetology graduates passed the state board examination.
- Medical Occupations graduates achieved 100% placement in college.
- Laura Cyr, a Carpentry graduate from Arlington, was honored as an Outstanding Vocational Student of the Year by the Minuteman Regional School Committee, the Massachusetts Association of Vocational Administrators and state Commissioner of Education, Dr. David Driscoll.
- Erin Meister, an Environmental Science student from Arlington, graduated Valedictorian in the Class of 2005 and earned the prestigious University Scholar status for enrollment at the University of Massachusetts at Dartmouth.

- Student speakers at the Class of 2005 graduation ceremony were Valedictorian Erin Meister of Arlington, Salutatorian Kevin Maloney of Stow and Class President Deanna Reynolds of Cambridge.

### **The Class of 2005**

#### **Bolton**

Kara Burgoyne    Biotechnology Academy    *President's Award of Academic Achievement*  
 Samuel Fiehler    Pre-Engineering Academy  
 Michael Flannery    Pre-Engineering Academy

### **Academic Division Highlights**

- Minuteman Regional High School sophomores tied for third place in Massachusetts among regional technical schools on MCAS test performance.
- Forty-five students took advantage of college level pre-calculus and calculus courses under an articulation agreement with Middlesex Community College.
- Minuteman students on the Math Team competed strongly at all levels against academically diverse groups of area schools finishing the year ranked in first place in the state vocational conference for the third year in a row.
- A Latin course was expanded to serve the growing number of students interested in medical careers, biotechnology and science.
- The Minuteman Players, the school's drama students, produced and performed a full production of Neil Simon's, "*The Odd Couple*".
- The Special Education Department teamed with mainstream teachers to help students achieve one of the highest levels of special education MCAS "pass" scores in the state.
- Faculty members from English, Guidance, Social Studies and several vocational fields designed another series of Character Education curriculum for use throughout the school.

### **Science & Technology Division Highlights**

- The Biotechnology Academy formed a new partnership with Harvard University Molecular Biology Laboratory and Children's Hospital and introduced three new components into its curriculum, namely bioethics, cell graphing and forensic science.
- The first state-approved high school pre-engineering program entered its sixth year and graduated its second class of students, again with 100% attending college.
- Electromechanical Robotics students Alex Hatherly of Lexington and Patrick Maloney of Stow took National Third Place in Skills USA National Competition on Team Robotics and Automation held in Kansas City, MO in June 2004.
- Many new business/industry projects were achieved, including - - Verizon supporting with after-school technology training for middle school students, Cognex Corporation of Natick providing weekly on-line interactive training on Visions Systems, GTE helping with new physics units for biotechnology, the Northeast Center for Telecommunications providing grant assistance, a \$80,000 gift from Adept Robots for the Electromechanical Engineering/Robotics program, etc.
- The Environmental Technology students were active in numerous off-campus service projects for such agencies as the MWRA, Cambridge Water Department, Bolton Conservation Commission, Sudbury Valley Trustees, Massachusetts Division of Fisheries & Wildlife, U.S. Department of Fish and Wildlife and the Northeastern University Marine Biology Research Laboratory, and the United States National Park Service, Minuteman National Historic Park.

- Minuteman staff members are active and taking a leadership role in working with the Department of Education in developing the vocational Certification of Occupational Proficiency (C.O.P.). They include Maryann Ham serving as state chair for Office Technology, George Taliadouros as state chair for Engineering and Richard Caruso as state vice-chair for Telecommunications.

### **Construction – Power Mechanics – Building Trades Division Highlights**

- The Automotive Technology Department won the industry's Most Outstanding Automotive Program in Massachusetts award for the sixth year in a row.
- Students in Carpentry, Electrical Wiring, Plumbing and HVAC completed construction of the three-bedroom colonial home for the Lexington Housing Authority in partnership with the Lexington Rotary Club.
- Carpentry and Drafting students designed and constructed classroom improvements for the Brooks Elementary and Middle School in Lincoln.
- The Drafting & Design Technology students completed plans for a large garage to be built by Minuteman's construction students in Lexington.
- Underclassmen created four scaled New England style homes for display at the New England Home Show in Boston. Minuteman is the only participating vocational high school in MA.
- The Automotive Technology program earned the top honors 5-year recertification through the National Automotive Technical Education Foundation (NATEF).
- The Automotive Collision Repair program also earned the NATEF certification.
- The Landscape Management Department won several awards again, including their seventh consecutive First Place at the Annual New England Flower Show in Boston.

### **Commercial & Human Services Division Highlights**

- The Child Development Center and the Early Childhood Education department was recertified by the National Association for the Education of Young Children. Many commercial centers do not receive this certification for excellence and good practice in curriculum implementation.
- The Culinary Arts Department became a certification site by the American Culinary Federation, awarded in June 2005.
- For the third year in a row, Culinary Arts students won first-place in the annual culinary competition at Newbury College and in so doing earned \$7,000 in scholarships for enrollment at Newbury College.
- As a community service project a team of junior Graphic Communications students worked with the Lahey Clinic in designing and printing a 2005 calendar incorporating artwork drawn by elementary age students who are patients in the "young hearts" clinic.
- Kara Burgoyne of Bolton, a sophomore Culinary Arts Baking student won National First Place in the Skills USA skills competition held in Kansas City, MO in June 2005. In 2003, she earned National Second Place in the same national competition.

### **National Honor Society**

The Minuteman Chapter of the National Honor Society proudly served the school and the community with thousands of volunteer hours maintaining a solid and diverse membership while inducting thirteen new members.

## **Overall School Highlights**

- A new Freshmen Exploratory program was designed and implemented as a means to ensure that members of the Class of 2009 have a full opportunity to experience each of Minuteman's twenty-two technical programs before choosing a major. This new exploratory program runs half of grade 9 and allows students to develop a better understanding of their talents and interests while exposing them to diverse careers.
- New and/or updated college articulation and advance credit agreements with numerous top colleges in 26 different career areas.
- Community Education services, including After School programs for middle school students, Adult High School services, Evening and Continuing Education courses and Summer School programs and camps, provided to member town residents continued at one of the highest participation and success levels in the state.
- The Facilities Management Department completed major campus renovation and facility improvement projects including conversion to gas heating, upgrading athletic fields, and renovation of the school's administrative offices.
- Numerous staff development efforts focused on obtaining national rather than just state certification in graphics & digital media, culinary arts, and collision repair (ASE).

### **Minuteman Students Take Gold and Bronze Medals at National SkillsUSA Competition**

Fourteen students from Minuteman Regional High School represented their school and Massachusetts at a national competition, the SkillsUSA Championships in Kansas City, MO in late June. Ten came home with first, second or third place medals and three more returned with top ten placements.

Krista Burgoyne of Bolton, known now as "*The #1 Student Baker in the Country*", took National First Place and a gold medal in Commercial Baking, edging out other state winners in an all-day competition, during which visitors could watch contestants preparing, baking and displaying more than a half-dozen types of pastry and assorted confections. Krista accepted her award on stage in the Kemper Arena in Kansas City, among a crowd estimated at 11,000, including competitors from all 50 states and several U.S. territories, advisors, parents, and hundreds of business partners.

In addition to the medal and the cheers of the crowd, Krista was awarded a full tuition scholarship at the Culinary Institute of America for her first-place win. However, as Krista was a sophomore upon earning the scholarship she gets to return to National Competition in 2006.

The team of Justin Graceffa of Lexington and Patrick Maloney of Stow took their skills in Robotic and Automation Technology to the national level, and emerged as bronze medal winners, placing third in the country. Alex and Patrick's competition area, where they worked all day on Thursday to produce a medal-winning project, was directly below the sign announcing the competition, and drew many onlookers, but the experienced team seldom looked up, concentrating on their work. Members of the Class of 2004, both are headed to college in the fall.

Keynote speaker at the Friday night awards program in Kansas City's vast Kemper Arena, was Newell Rubbermaid CEO Joe Galli, who called the SkillsUSA Championships "one of the most impressive events on the planet." More than 240,000 students compete in 10,000 competitions "to earn the right to make this pilgrimage," he said. He told contestants that each one of them is "in the top two percent in the country just by making it here." He reiterated his company's support of SkillsUSA through a video, a listing of contests the company finances, and by presenting a giant check for \$100,000 to national SkillsUSA director Tim Lawrence.

### **Two in National Top Ten**

Following the awards ceremony, where the top three finishers were called on stage in an Olympic-style ceremony, a program was held for Massachusetts competitors, to recognize students who had placed in the top ten. Josh Cyker of Harvard, who won the state contest in Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) to compete at nationals, placed fifth in the country and was given a certificate by the Massachusetts leadership team. Adam Weiss of Carlisle, a state winner in Related Technical Math and a member of Minuteman's Class of 2005, placed sixth at the nationals and also was given a certificate recognizing his efforts. Other national competitors from Minuteman, all state winners, included James Sproul of Stow, Office Computer Applications; Michael Forhan of Stow, Collision Repair Technology; and Eleanor Murtagh of Stow, Prepared Speech.

Through leadership events and competitions on the district, state and national level, the organization helps students excel in their education and future technical, skilled and service careers, including health occupations. SkillsUSA serves nearly 265,000 high school and college/postsecondary students and their chapter advisors who are professional members.

### **Students Create Mobile Kitchen for Boston Crusaders**

As the Boston Crusaders Drum and Bugle Corps left in June for their 40-state summer tour, they departed with a new food trailer, thanks to a collaboration with Minuteman Regional High School. Students enrolled in electrical, plumbing, HVAC, welding and carpentry career majors transformed an empty trailer into a state-of-the-art mobile kitchen.

In addition to practicing the skills they have learned at Minuteman, students got an education in other areas, since the kitchen is traveling interstate. "We must follow Department of Transportation regulations," said Ernie Houle, welding instructor and co-project manager with Leo DeSimone, who is also Minuteman's division coordinator for the Building Trades and Power Mechanics Division. "Normally when we build something, we must get permits," Mr. Houle added. "In having to follow federal guidelines, this has been a learning experience for the Boston Crusaders as well."

Students applied problem-solving techniques and called upon their background in science and math to make sure the kitchen plan turned into a workable reality. Boston Crusaders sat in on Sam Cetrano's Applied Physics class, for example, to see five student presentations that sought to answer the question, "What would be the best insulation system?" The trailer provides "cool projects for all departments," said Mr. Houle, bringing together students from different career majors and also integrating technical skills with academic applications. "All four grade levels have had some connection," Mr. Houle said of his welding students. They fabricated a beverage rack system and a compartment to hold propane tanks and also created two sets of portable aluminum stairs.

Future electricians worked on all the wiring, which included installing outlets and lighting, wiring kitchen equipment and putting in the main electrical panel. Plumbing students installed water and gas lines for the cooking center. Carpentry students constructed all the metal and wood framing for the trailer and built kitchen cabinets. HVAC students installed the ventilation system and the walk-in cooler.

Boston Crusaders said they expected the trailer kitchen to serve 56,000 meals to more than 200 touring members and volunteers. The trailer is an 18-wheeler donated by a moving company, and which carries Crusaders equipment as well as the portable kitchen. It replaces an out-of-date kitchen. “Many, many thanks for all the fantastic work by the students and teachers at Minuteman,” a spokesperson wrote on the [www.crusanders.com](http://www.crusanders.com) web site. Minuteman’s school logo will be placed in two locations on the trailer as a “token of how much the Corps appreciates their hard work.”

### **Art and Literary Magazine Celebrates 20<sup>th</sup> Anniversary**

The ink is dry on the twentieth anniversary edition of Minuteman Regional High School’s Art & Literary Magazine, and as usual, the publication contains many outstanding examples of student-generated poetry and art. This year’s magazine showcases 21 poets and 16 artists.

The winners of school-wide poetry and art contests provide the content for the magazine. This year, approximately 150 poems from about 80 poets were submitted. In the art contest, 40 artists submitted 70 pieces of artwork. Originality is the primary criteria used in selecting work for inclusion in the magazine, and selection committee members also try to ensure a mixture of styles.

“We really have quite an artistic community at the school,” Mr. Donovan said. “We used to just get block printing, but now, it’s quite a variety. We added photography to the art contest three or four years ago. This year, there are quite a few pieces of artwork done in anime style. “Anime has become very popular in the school,” he said. “They had a Anime Club this year for the first time.

A third contest, open to juniors in the Graphics department, determines who designs the magazine’s cover. Gabrielle Powell of Belmont won this year’s cover design contest. “Gabrielle also did all of the magazine’s layout,” Mr. Donovan said.

Former Minuteman English teacher Denise R. Donovan served as the Copyright Editor, and the Graphics Coordinator was Graphics Department senior teacher Daniel Vardaro. The school’s Office Technology department did the word processing. “The magazine is truly an integrated student effort,” Mr. Donovan said. “By the time it’s done, many students from all majors and departments have played a part in its creation.”

The student artists featured in this year’s magazine are Melany Schacht and Sean Chickosky of Acton; Patrick Cooney, Miles Sarill, Julia Moden, Tammie Puopolo, Jillian Patti, and Stephanie Carson all of Arlington; Elizabeth Mullane and Stas Michalski of Cambridge; Adam Weiss of Carlisle; Nathaniel Berg and Jeffrey Palma of Concord; Libby Haberkorn, Peter Mangolds and Luke Radl all of Stow, and Peta Stone of Sudbury.

REVENUES	FY 04 ACTUAL	FY05 BUDGET	FY05 ACTUAL/ ENCUMBERED	TRANSFER/ RECEIPTS	AVAILABLE
DISTRICT ASSESSMENTS	\$ 7,956,233	\$ 7,990,324	\$ 7,990,324	\$ -	\$ -
CHAPTER 70 AID	\$ 2,064,385	\$ 2,047,550	\$ 2,045,500	\$ -	\$ (2,050)
CURRENT TUITION	\$ 445,369	\$ 507,340	\$ 670,807	\$ -	\$ 163,467
TRANSPORTATION REIMB	\$ 471,879	\$ 445,532	\$ 653,811	\$ -	\$ 208,279
CHOICE	\$ 110,000	\$ 156,633	\$ 156,633	\$ -	\$ -
OTHER PROGRAM INCOME	\$ 242,021	\$ 191,553	\$ 222,201	\$ -	\$ 30,648
CERTIFIED E&D/APPLIED SURPLUS	\$ 93,873	\$ 322,349	\$ 322,349	\$ -	\$ -
LAND SALE	\$ -	\$ 400,344	\$ -	\$ -	\$ (400,344)
PREV YEAR'S TUITION	\$ 3,757,593	\$ 3,282,714	\$ 3,282,714	\$ -	\$ -
TOTAL	\$ 15,141,353	\$ 15,344,339	\$ 15,344,339	\$ -	\$ -
EXPENSES					
BUILDING TRADES	\$ 72,571	\$ 76,820	\$ 72,124	\$ (431)	\$ 4,265
COMMERCIAL SERVICES	\$ 15,833	\$ 15,465	\$ 24,710	\$ 9,073	\$ (172)
ELECTRONICS	\$ 32,230	\$ 31,894	\$ 28,062	\$ (100)	\$ 3,732
GRAPHICS	\$ 56,977	\$ 70,061	\$ 56,688	\$ 7,300	\$ 20,673
HEALTH INSTRUCTION	\$ 19,260	\$ 20,040	\$ 16,708	\$ (485)	\$ 2,847
METAL FABRICATION	\$ 32,336	\$ 32,146	\$ 28,594	\$ -	\$ 3,552
POWER MECHANICS	\$ 14,493	\$ 15,636	\$ 13,787	\$ -	\$ 1,849
TECHNOLOGY	\$ 78,214	\$ 76,199	\$ 75,086	\$ (155)	\$ 958
AFTSCH PROGRAM	\$ 13,876	\$ 14,500	\$ 16,243	\$ 1,829	\$ 86
REGULAR OCCUPATIONAL	\$ 4,063	\$ 3,985	\$ 3,780	\$ (150)	\$ 55
SPECIAL TRADES	\$ 26,832	\$ 20,290	\$ 19,005	\$ 37	\$ 1,322
SAFETY	\$ 10,655	\$ 10,250	\$ 9,493	\$ 700	\$ 1,457
COMMUNICATIONS	\$ 34,599	\$ 35,718	\$ 31,572	\$ (1,010)	\$ 3,136
HUMAN RELATIONS	\$ 19,256	\$ 18,628	\$ 15,364	\$ (275)	\$ 2,989
MATH	\$ 40,090	\$ 38,128	\$ 36,620	\$ (725)	\$ 783
SCIENCE	\$ 52,636	\$ 52,492	\$ 50,564	\$ (350)	\$ 1,578
PHYSICAL EDUCATION	\$ 5,660	\$ 5,610	\$ 4,653	\$ (150)	\$ 807
ATHLETICS	\$ 91,024	\$ 95,497	\$ 101,375	\$ 150	\$ (5,728)
BUSINESS INSTRUCTION	\$ 3,279	\$ 3,200	\$ 2,735	\$ -	\$ 465
FOREIGN LANGUAGE	\$ 17,053	\$ 16,040	\$ 16,052	\$ 142	\$ 130
ART	\$ 6,423	\$ 6,864	\$ 4,673	\$ -	\$ 2,191
MUSIC	\$ -	\$ 285	\$ 95	\$ -	\$ 190
ALTERNATIVE EDUCATION	\$ 7,761	\$ 7,000	\$ 1,413	\$ -	\$ 5,587
INSTRUCTIONAL RESOURCES	\$ 80,780	\$ 78,523	\$ 85,484	\$ 2,315	\$ (4,646)
PUPIL SUPPORT	\$ 54,347	\$ 54,910	\$ 81,334	\$ 873	\$ (25,551)
PRINCIPAL	\$ 90,005	\$ 90,250	\$ 114,088	\$ (8,722)	\$ (32,560)
VOCATIONAL COORDINATOR	\$ 4,875	\$ 5,800	\$ 3,070	\$ 20	\$ 2,750
COMPUTER SERVICES	\$ 20,466	\$ 25,400	\$ 24,700	\$ 9,613	\$ 10,313
DEAN	\$ 3,075	\$ 2,920	\$ 1,855	\$ -	\$ 1,065
DISTICT PROGRAMS	\$ 242,132	\$ 256,660	\$ 237,194	\$ 4,310	\$ 23,776

LEGAL FEES	\$ 66,950	\$ 30,760	\$ 65,767	\$ -	\$ (35,007)
AUDIT FEES	\$ 87,780	\$ 52,500	\$ 57,800	\$ -	\$ (5,300)
SUPERINTENDENT	\$ 2,692	\$ 4,700	\$ 4,012	\$ -	\$ 688
PLAN/ACADEMICS	\$ 32,225	\$ 33,500	\$ 6,157	\$ (1,823)	\$ 25,520
BUSINESS OFFICE	\$ 11,276	\$ 20,900	\$ 10,213	\$ -	\$ 10,687
RISK INSURANCE	\$ 205,535	\$ 198,000	\$ 176,593	\$ -	\$ 21,407
RETIRE/EMPLOYEE BNFT	\$ 1,548,583	\$ 1,748,392	\$ 1,637,091	\$ 92,357	\$ 203,658
TRANSPORTATION	\$ 989,799	\$ 1,119,158	\$ 1,106,751	\$ 1,137	\$ 13,544
CAFETERIA	\$ 6,874	\$ 6,750	\$ 7,290	\$ -	\$ (540)
OPER & MAINTENANCE	\$ 927,044	\$ 873,900	\$ 1,078,746	\$ 75,540	\$ (129,306)
EQUIPMENT PURCHASES	\$ 54,458	\$ 24,000	\$ 24,000	\$ -	\$ -
DEBT MANAGEMENT	\$ -	\$ -	\$ -	\$ -	\$ -
SALARIES	\$ 10,057,336	\$ 10,050,568	\$ 10,036,340	\$ 35,551	\$ 49,779
TOTAL	\$ 15,141,353	\$ 15,344,339	\$ 15,387,881	\$ 226,571	\$ 183,029
EXCESS REVENUE	\$ -	\$ -	\$ (43,542)	\$ 226,571	\$ 183,029