

DEVELOPING PARTNERSHIPS

As we progress through our seventh year, we understand more than ever that the FIRST experience is not about robots, but rather about people and relationships. Team 103 has developed an incredible ability to build, strengthen, and maintain solid partnerships in all directions. Two teacher advisors, two corporate sponsors, three adult mentors, and dozens of local businesses and families have been a part of Team 103 since its inception in the fall of 1996. Upon that solid foundation, CyberSonics has built a strong reputation as a model FIRST team and ensures the future through team building, a parent organization, and several mentoring efforts.

OUR SISTER TEAMS: 433 & 35

Helping teams 433 & 35 grow and succeed provides an experience our students are extremely proud of.



TEAM 433, The Firebirds

Held workshops in:

- Animation
- Programming
- Machinery
- Welding & Router Table

TEAM 35, Sigma Squared

Mentored in:

- Team Organization
- Fundraising
- Travel



PALISADES HS STAFF PARTICIPATION

Teacher advisors organize activities throughout the year and staff members help pave the way for an enriched experience.



TEAM ADVISORS

- Dave Beck, Technology Teacher
- Cathy Beck, Art Teacher
- Rich Kressly, English Teacher



SUPPORTIVE TEACHERS/ADMINISTRATION

- Bridgett O'Connell, Gifted Teacher
- Joel Filling, German Teacher
- Maryanne Momorella, Business Teacher
- Dave Piperato, Principal
- Rich Heffernan, Vice Principal
- PSD School Board



PARENT INVOLVEMENT

Yearly, our parent organization serves more than 1000 meals, aids in fundraising and organizational activities, and provides other support necessary to survive and succeed through the FIRST season.

- Support, dedication, & sacrifice
- Assist in newsletter distribution
- Mentor in manufacturing
- Attend competitions



SPONSOR SUPPORT

"It is our responsibility to support programs that encourage young people to explore the possibilities of careers in math, science and technology."

- Donald Shepherd,
CEO and founder of Amplifier Research
CyberSonics Sponsor since 1997

Sponsors provide us with funding, door prizes, mentors and support. Many of these partnerships begin with presentations by team members who introduce the FIRST mission and our team. In 2003, Team 103 has more than 100 separate sponsors and contributors.

TEAM BUILDING

Being an established FIRST team is a year-round effort and without taking time to know one another better and develop unity, building upon previous success is an uphill battle.

"Developing strong relationships is perhaps the most important element of team building."

Team FIRST Day: 2001
Low Ropes Course: 2002

- Building Partnerships
- Developing Teamwork
- Identifying Personalities
- Problem Solving
- Effective Decision Making



MENTOR DEDICATION

CyberSonics mentors lend valuable expertise and enjoy working side-by-side with students. They understand the impact they have on the future of Team 103 members.

Larry Carmen
Lutron Electronics, 7 years

Pete Kieselbach
Pharmacopeia, Inc., 2 years

Ken Dexheimer
Penn Engineering, 4 years

Jack Tusman
Custom Finishers, Inc., 7 years

Garrett Galluppi
Amplifier Research, 7 years

Andy Twigg
Michael Dunn Co., 3 years

The Team 103 tradition has always been one of high expectations and vast improvement. With 34 students, six adult mentors, and three teachers involved on a year-round basis, Cybersonics has had a tremendous impact on the school and surrounding community. Through FIRST, Team 103 has helped shape the high school curriculum while opening doors and providing better and brighter opportunities for student members. Cybersonics members are seen as both academic and competitive leaders at PHS, and have positively influenced school culture.

CYBERSONICS HELPS SCHOOL EARN NATIONAL BLUE RIBBON AWARD



“What struck me, in all of the work I have done with outstanding schools, was the compelling nature of this program and the ability to include a lot of students in a way that you might see paralleled in athletics. The teacher support, community support, and student interest were unusually high. Blue Ribbon qualities? I think Cybersonics has multiple: the high engagement, the involvement of all students, the intellectual push, the academic acceleration from every perspective. The whole corporate structure is not something you typically see in education. The applications of real world technology and business know-how, I thought came to life dramatically in the Cybersonics Team.”

- Ken McAuliffe, Superintendent, Lowville, NY & US Dept of Education Site Visitor

ALUMNI: THE IMPACT OF FIRST LEADS TO BRIGHT FUTURES IN SCIENCE & TECHNOLOGY

Johns Hopkins U. Public Health

Penn State University Architecture

Penn State University Mech. Engineering

East Stroudsburg U. Elementary Education

U. of Tampa Marine Biology

Ringling School of Art & Design Graphic Communications

Ringling School of Art & Design Computer Animation

“Cybersonics is a top notch team, not only in robot design, but also in team energy and excitement. Cybersonics is definitely a team that gets it.”

Mike Sperber
Engineer Team 175
Buzz Robotics

TEAM 103'S TRADITION OF SUCCESS

2002	J & J Mid-Atlantic Regional	7th seed
2002	UTC New England Regional	Champions
2002	Animation	Finalists
2002	PA Robotics Competition V	Runner-Up
2002	3rd Annual Ramp Riot	#1 seed



The success that we have realized is a direct reflection of the evolution of our team as we become a more efficient and dynamic group. One of the most valuable achievements of our team is that we have

consistently been able to push ourselves to new levels each season. In addition to elevated team goals, this year team members are required to be on the honor roll in order to attend competitions.

FIRST OPENS DOORS: INTERNSHIPS



Cybersonics team members reap the benefits of participation in FIRST Robotics through summer internships, leadership programs, and employment that otherwise would not be available to them. “Working at BAE was an enriching, inspirational and educational opportunity,” said Cybersonics animator Brandon Reiss, who interned at BAE

Systems for two months. Student Machinist Zac Loudon participated in the Frontiers Engineering program held at WPI while 2002 president Pat Bogard and vice-president Allison Guerin worked for our school district as network technicians.

IMPACT ON PHS CURRICULUM

Being a part of the FIRST organization has allowed PHS to form two new courses that parallel the FIRST experience. These courses are a robotics and an animation course, which utilizes 3-D Studio Max.

SPREADING THE MESSAGE

The excitement and energy generated by Team 103 has steadily spread throughout Palisades High School, the local community, the northeast region, and toward the rest of the country. The comprehensive work of CyberSonics includes local fundraising events, programs that educate the next generation, producing video to spread awareness, giving to the less fortunate, distributing monthly newsletters, and maintaining a highly responsive website. Team 103's commitment to FIRST and its message of science, technology, and the future is more evident than ever.

REACHING THE NEXT GENERATION



We reach out to the next generation of FIRST Robotics enthusiasts through mentoring middle and elementary school FIRST LEGO League teams. We also offer children exposure to email through our "CyberSanta" program. Our web development team regularly mentors elementary students in HTML as well. In the fall of 2002, we had an additional opportunity to teach basic electronics and robotics skills to Philadelphia area Girl Scout councils at the University of Pennsylvania.



LOCAL CABLE STATION AIRS I03 ANIMATION

The animation and video departments are part of our Public Relations and Marketing Department. This year they compiled a short video/animation sequence to be aired by our local cable company. Through this video and television station we are reaching a larger community and cultivating an interest in FIRST Robotics.



NEWSLETTER AND WEBSITE

With our website and newsletter we keep alumni, sponsors, parents, and the overall public informed of the progression and achievements of our team. Our newsletter reaches over 40 households, 15 large contributors, every teacher throughout our district and is available online. We have received many compliments on both from a plethora of people including many teachers from the school district. Visit us at www.cybersonics.org



CYBERSONICS DONATES TO COMMUNITY

It is important for our team to give back to the community. One way in which we are able to accomplish this is through our annual clothing drive for the Good Shepherd Rehabilitation Hospital in Bethlehem, Pennsylvania.



Also, at Team 341's 3rd annual Ramp Riot, our team accumulated the most canned food for the host team's charity food drive.



Because we are so fortunate, Team 103 feels it is important to give back to a community we receive so much support from.

COMMUNITY SUPPORT

Community support comes in many forms for Team 103. Our locally held fundraisers, Basket Bingo and Spaghetti Dinner, are opportunities to raise money and educate the local community. Our local Kiwanis Club and many other community organizations are frequent visitors and supporters who help us spread the message of FIRST.



FIRST INTERACTIVE RURAL SUPPORT

FIRST Interactive Rural Support was established on July 25, 2002 as a service to the FIRST community in order to support, maintain, strengthen, and begin FIRST Robotics teams across rural America. Initiated via the web by CyberSonic Technology Team 103, this network helps rural teams to overcome obstacles such as distance from potential corporate sponsors, and increases community support, involvement and awareness.

GLOBAL IMPACT

As of February, 2003 Team 103 is proud to report that at least **37** teams from **23** states and **1** foreign country are involved on some level. Also, FIRST Interactive Rural Support will be represented by mentors, mentees, supporters, or a combination thereof at all **23** regional competitions during the 2003 season!

MAP KEY

- Supporting Teams/Agencies/Businesses
- Mentoring Teams - teams who are helping others through our network
- Teams that we are mentoring
- Teams that we are mentoring & who are also mentoring other teams through our network

