AMC's Math Messenger

AMC WORKSHOP / SLIFFE RECEPTION AT NCTM NATIONAL MEETING:

The American Mathematics Competitions is pleased to tell you that we will again be sponsoring a 90-minute workshop at the NCTM Annual Meeting in Anaheim. We are scheduled from 3:00 – 4:30 P.M. on the afternoon of Friday, April 8, 2005 in the Marriott Grand Ballroom J-K. The individual competitions committee chairs will be there to lead individual table discussions on best practices for preparing your students for the contests. Immediately following from 4:30 – 6:30 P.M., will be the annual Sliffe Award Winners reception to honor the 2004-2005 Sliffe winners and to recognize previous years Sliffe winners. (Location of the Sliffe Reception to be announced, but we hope that it will be in the same room, Marriott Ballroom J-K.) Even if you're not a Sliffe winner, please stop by and help us honor your fellow educators. We will be serving hors d'oeuvres for all!! Look for us at the AMC Booth in the NCTM Exhibit Hall. Once again we are sponsoring the ExpoWalk with a prize of a full set of Contest Problem Books from MAA Publishing. Stop by to see us.

SURVEY AT THE NCTM:

Please watch for our "Ad" in the NCTM Program magazine. It will contain a survey for Middle and High School teachers asking for ways that we can make the AMC contests better for students, and more appealing for teachers. Completed surveys returned to the AMC Booth will get a Free AMC "Think outside the box" T-shirt.

GOODIES IN THE PACKAGE

In the package with your contest materials, we have included some free goodies for you! In addition to the contest, solutions and answer sheets, you will find a colorful poster to display and advertise the contests, information from The Mathematical Association of America, the Careers brochures, referenced at right, and the AMC publication catalog. When we return your scores to you, we will include a "sticky-note pad". We hope you enjoy these materials, and let us know how you used them.

MAA WEBSITE:

Check out the MAA Website at www.maa.org for interesting information about mathematics. We are working to expand our website offerings to high school students and teachers, so watch for new offerings there as well as the AMC website www.unl.edu/amc

MEMBERSHIP IN THE MAA:

The American Mathematics Competitions are a program of the Mathematical Association of America (MAA). If you enjoy these contests, consider joining the MAA

Members of the MAA receive many valuable benefits for modest dues. These benefits are designed to stimulate interest in mathematics by providing expository books and articles on contemporary mathematics and on recent developments at the frontiers of mathematical research, and by exchanging information about important events in the mathematical world. A major emphasis of the MAA is the teaching of mathematics at the collegiate level, but anyone who is interested in mathematics is welcome to join.

BENEFITS OF MAA MEMBERSHIP

⊙ Your choice of the MAA's outstanding mathematics publications and journals.

⊙ Professional development workshops, mini courses, and short courses.

⊙ National and Sectional meetings provide a forum to present papers, share ideas, and keep in touch with others in the profession.

⊙ MAA's newsletter, FOCUS, keeps you in touch with news and light reading from the mathematical community.

⊙ Discover Employment opportunities.

MATHEMATICS INFORMATION, CAREER INFORMATION:

We are pleased to provide in the package some additional information for teachers about potential careers in the mathematical sciences. We include a brochure from our parent organization, The Mathematical Association of America. We are also including a career brochure from the Society of Actuaries, and a brochure from the American Statistical Association. For mathematical information, we provide a sample copy of the magazine Math Horizons intended for your mathematically intrigued students, the Fall/Winter 2004-5 catalog of books and resources from the MAA, a brochure from Art of Problem Solving, and an invitation to another mathematics competition, the USA Mathematical Talent Search. We hope that you enjoy this information and share it with your colleagues and your

2004 IMO RESULTS: INTERNATIONAL MATHEMATICAL OLYMPIAD MEDALISTS, ATHENS GREECE

The USA team, selected by the American Mathematics Competition's sequence of competitions, competed at the 45th International Mathematical Olympiad (IMO) held July 4 - July 18, 2004 in Athens, Greece. The International Mathematical Olympiad (IMO) is the pre-eminent mathematical competition for high-school age students from around the world. More than 480 students from 85 countries competed in the 2004 IMO. The IMO awarded 45 gold medals for correctly and elegantly solving 6 extremely challenging mathematical problems in a 9-hour competition administered over two days. More information about the 45th International Mathematical Olympiad is at www.imo2004.gr.

The USA team did very well at the competition, winning 5 gold medals and 1 silver medal and finishing 2nd overall among the 85 participating countries. The final team standings had China first, the USA second, followed by Russia at third place. This is the best medal count and highest placing for the USA team since 1994.

Oleg Golberg of Bedford, MA distinguished himself by accumulating 40 out of 42 possible points to have the best overall score on the USA team. TianKai Liu of Saratoga CA had 39 points for another of the USA's gold medals. Aaron Pixton of Vestal NY had 37 points, and Alison Miller of Niskayuna NY and Tony Zhang of Arcadia CA each had 33 points. Matt Ince of Arnold MO gained a silver medal with a score of 31 points. Alison Miller is the first female gold winner for a team from the USA.

The sponsor of the USA team to the IMO is the Mathematical Association of America through its America Mathematics Competitions program, with travel support provided by a grant from the Army Research Office. Training for the team at the University of Nebraska-Lincoln is provided by a grant from the Akamai Foundation. Additional support for the team is provided by the National Council of Teachers of Mathematics.

The 2004 United States IMO Team, from left: Tony Zhang, Oleg Golberg, TianKai Liu, Aaron Pixton, Alison Miller and Matt Ince.

SEND US YOUR PHOTOS:

Once again, this year we want to strongly encourage you to send in photos of your students participating in the AMC 10/12. We will post the pictures on the web, attached to the page that will give the AMC 10/AMC 12 answers.

To submit your pictures, first check on the school policy on photographs of students, and in compliance with that, send them electronically to: **rroyer1@unl.edu**

Please include the following information, which will caption the pictures:

School Name, Teacher, Class/Club, City, State
(optional: web address for school)

PROBLEM PROPOSING:

Give your great mathematics problem an audience of thousands of students and teachers worldwide! The American Mathematics Competitions is always in need of good new mathematics problems for our contests. If you would like to join our panel of problem proposers, please contact Steve Dunbar at amcinfo@unl.edu and we will send you a Problem Proposer enrollment form, along with directions for submitting mathematics problems to us.