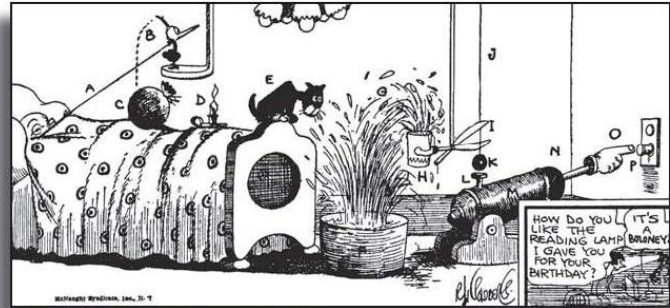




**DR. NELSON YING
TRI REGION SCIENCE
AND ENGINEERING FAIR**

**Rube Goldberg Machine Contest
Rube Goldberg Career Competition
Syracuse NY - March 20, 2010
Rules and Regulations**

**The 2010 Challenge:
Dispense an appropriate amount of
hand sanitizer into a hand**



Easy Way To Put Out the Lights

Online Registration and Fee Details: www.trsef.org

Machine Specifications for both events

- The machine must complete the task as described in the challenge.
- The machine must be no larger than 6 ft x 6 ft x 6 ft.
- The machine must have twenty (20) or more steps; there is no maximum number of steps.
- The machine must run for no more than two (2) minutes per run.
- Teams will have two (2) minutes before the first run to explain their machine.
- The machine will have a maximum twenty (20) minute reset time.
- No corporate logos or names may be displayed on the machines.
- No live animals may be used in the machine.
- The machine must not imply profane, indecent or lewd expressions.
- Any loose or flying objects must remain within the set boundaries of the machine. This includes, but is not limited to, drops of water, slivers of balloon, and other “small” objects. Steam and other gasses are exempt from this rule.
- The machine may utilize one (1) external air compressor hose and one (1) external power cord; no other cords may be run to or from the machine. However, there is no limit to the number of hoses and cords utilized within the space of the machine.
- No flames may be used on or within the machine. Electrical arcing may be used upon approval of the contest Chairperson.
- No hazardous materials or explosives can be used on or within the machine.
- The machine must be safe to the satisfaction of the Competition officials. The contest Chairperson must approve any questionable items prior to the start of competition. If requested, teams will immediately and quietly remove machines deemed unsafe.
- Any destructive action against another machine is grounds for disqualification.

Dr. Nelson Ying Tri Region Science and Engineering Fair

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501(c)3 nonprofit association – Affiliate / Intel International Science & Engineering Fair (ISEF)

604 Walberta Road

Syracuse NY 13219

www.trsef.org

Team and Process Details for Both Events

- Teams will be allowed into the contest venue to set up at 9:00 a.m. on the day of the contest. The competition will be hosted by Onondaga Community College, Syracuse NY. Registration will be in Whitney Applied Technology Building. Free parking is available on site.
- A team will have at least four members, with no maximum limit. However, space may limit the number of people allowed within the machine's designated area during the contest.
- Entries are accepted on a first-come, first-served basis. The Ying TRSEF will determine the maximum number of teams based upon space restrictions at the site. Paid registration will hold a team's place; notification that registration is closed will be made at the Ying TRSEF homepage www.trsef.org.
- Each team must submit to the Competition Chair ten (10) concise, typed copy of a step-by-step description of their machine no later than one (1) hour before the contest begins.
- **All machines must be set up and the team's designated area cleared no later than forty (40) minutes before the contest begins.**
- A team captains' meeting will be held thirty (30) minutes before the contest begins.
- Teams will compete in a designated order for the first run. After all teams have completed their first run, teams will begin competing in the second run in this same order.
- A team may choose to void one (1) run of their machine. Any team member can announce their void, but must do so BEFORE the machine *completes* the task. Requests presented after the machine has finished will not be granted. If a team does choose to use their void, they will compete again in the next round of runs.
- The public is invited to watch the competitions, but will remain in Observation Zones until they have permission to view the machines more closely. Teams are encouraged to run their machines and be available to answer any questions during Public Viewing.
- Each team will remove their machine *and clean up their area* following the contest.
- Media will be allowed viewing of one extra run after the final judged run of the competition.
- Participation in the contest implies consent to use contest photographs in local, regional, and national publicity.

Rube Goldberg Machine Contest College Teams (\$150 registration per team!)

- Each team member must be enrolled as a full-time undergraduate or graduate student at an accredited two- or four-year college or university to participate in the college competitions.
- College teams may compete without an advisor on site.

Rube Goldberg Career Competition Teams (\$100 registration per team!)

- Team members will have completed high school and no longer have full-time student status. Thus, we invite trade unions, companies, military units, professional societies, and schools, colleges and universities to form career teams.

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