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1994

New England Regional
Science Bowl

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February 26, 1994

Massachusetts Institute of Technology

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1994 Regional
SCIENCE BOWL

U.S. Department of Energy
Mass. Inst. of Technology

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1994
New England Regional
Science Bowl
Saturday, February 26, 1994

Sponsored by U.S. Department of Energy
and
Massachusetts Institute of Technology
School of Science
Bates Linear Accelerator Center
Laboratory for Nuclear Science
Plasma Fusion Center

Morning

8:00	Check-in	Lobby 10
8:30	Opening Ceremony	Room 26-100

Welcome: Stanley Kowalski, Director
Bates Linear Accelerator Center

Drawing for Starting Position: Betty Orrick Sapp, Coordinator
New England Regional Science Bowl

46
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Round Robin Tournament

9:15	Round 1	Buildings 1 & 5
9:45	Round 2	" "
10:15	Round 3	" "
10:40	Round 4	" "
11:05	Round 5	" "

(Times after this may slip if there are playoffs.)

11:30	Lunch (Teams & Officials only; badges required)	Sala de Puerto Rico
12:15	Captains Meeting	Sala de Puerto Rico

Afternoon

12:25	Alternate Activities (See separate program) Meet in Lobby 7.
-------	--

Double Elimination Tournament

12:30	Round 6	Buildings 1 & 5
12:55	Round 7	" "
1:20	Round 8	" "
1:45	Enroute, Snack	

Championship Rounds Room 26-100

2:00	Round 9, 4th Place Round Moderator: Stanley Kowalski
2:25	Round 10, 3rd Place Round Moderator: Robert P. Redwine, Director Laboratory for Nuclear Science
2:50	Round 11, 2nd (1st) Place Round Moderator: Stanley Kowalski
3:15	(Round 12, if required) Moderator: Robert P. Redwine
3:15 (3:40)	Awards and Closing Ceremony - Room 26-100

1994 New England Regional Science Bowl

Morning - Round Robin Tournament

(24 Teams in 4 Divisions)

Schedule of Play, Divisions I-IV

<u>Round</u>	<u>Time</u>	<u>Matches</u>		
		<u>Room a</u>	<u>Room b</u>	<u>Room c</u>
1	9:15	A plays B	C plays D	E plays F
2	9:45	D plays F	A plays C	B plays E
3	10:15	C plays E	B plays F	A plays D
4	10:40	A plays E	B plays D	C plays F
5	11:05	D plays E	A plays F	B plays C

<u>Division</u>	<u>Room a</u>	<u>Room b</u>	<u>Room c</u>
I	1-134	1-135	1-136
II	5-217	5-231	5-233
III	1-277	1-375	1-379
IV	5-232	5-234	1-132

SCIENCE BOWL CENTRAL - ROOM 1-150

Press and Refreshments Room: 1-190

The top two teams in each division continue into the afternoon.

Teams are chosen using the following criteria, in order:

Highest number of wins.

In case of ties:

- 1) Highest overall score
- 2) Highest differential (win minus loss) cumulative score
- 3) Playoff, five toss-up questions

The top teams in each division start the afternoon rounds as Team x and Team y, where x is the higher scorer. If both teams are equal, a coin toss determines place.

DOUBLE ELIMINATION

Science Bowl Central - 1-150

Information Desk - Lobby outside 1-150

Science Bowl Central - 1-150

Information Desk - Lobby outside 1-150

Building 5Competition Rooms - Rounds 1-5

Division II: 5-217, 5-231, 5-233

Division IV: 5-232, 5-234, 1-132

BUILDING 5MASSACHUSETTS INSTITUTE OF TECHNOLOGY
OFFICE OF FACILITIES MANAGEMENT SYSTEMS

0 5 10 20 30 40

Science Bowl Central - 1-150

Information Desk - Lobby outside 1-150

Science Bowl Central - 1-150

Information Desk - Lobby outside 1-150

1994 New England Regional Science Bowl

Rules and Procedures

- No smoking in any M.I.T. building.
- No tape recorders.
- No note taking by spectators.
- No photos or videotaping during matches (photos and videotaping only during breaks). Special rules apply to members of the press.
- Quiet must be maintained during matches.
- No entering or leaving rooms during matches.
- Room monitors will close doors at the beginning of matches and reopen them at the completion of all matches in a round.
- Halls should be clear of spectators during matches.
- Teams not taking part in the early afternoon rounds may watch matches or take part in the alternate activities.
- Everyone is urged to attend the Championship Rounds.

1994

New England Regional Science Bowl

Team Members

Athol High School

Kelly Bremner
John Brouillet
Christy Fisher
Bryan MacDonald
Steven Wirth
Walter Perkins (Coach)

Exeter Area High School

Ryan G. Kruger
Andrew B. Oxnard
Geoff Oxnard
Jessica Weir
Brian Wilbur
Frances Ekstrom (Coach)

Bridgewater-Raynham Reg. High School

Gregory Robert Antine
Derek Asadoorian
Brian Fealy
Jason Ohrenberger
Elizabeth R. Calef (Coach)

Hopkinton High School

Vinita Misra
Michael Repucci
Rick Seaholm
Doug Sullivan
Valerie Lechtanski (Coach)

Cambridge Rindge & Latin School

Ben Blum-Smith
Gina Grant
Chad Milner
Rafael Schloming
Hao Wu
Tad T. Sudnick (Coach)

Lexington High School

Elizabeth Talvikki Meharry
Timothy Shiao
Omri Traub
W. Trevor Uhl
Jonathan Weinstein
Charles O'Reilly (Coach)

Dover-Sherborn High School

Daniel Dorgan
Eliot Kent-Uritam
Michael Krolak
Demetri Moustakas
Charles Chicklis (Coach)

Lowell High School

Khanmisay Chanthaboun
Kathleen Coffey
Cathleen Macleod
David Pitkin
Lei Wang
James J. Kennedy, Jr. (Coach)
Richard Coffey (Coach)

Lunenburg High School

Jared Crellin
Theodore Hartenstein
Melissa Jones
Ryan Kelly
Farhana Rahman
James Besarkarski (Coach)

Manchester Memorial High School

Derek Bond
Amy Capistran
Jeffrey Chabot
David D. Gaucher
Michael Hagen O'Meara
Marcel C. Adams (Coach)

Mass Academy of Math & Science

Melissa J. Baily
Joshua N. Cooper
Christopher Finlayson
Sara Glaser
G. David Poznik
Margaret Stenerson (Coach)

Methuen High School

Kelly Kineen
David Nguyen
Masumi Patel
Nikunj Patel
Parag Patel
Marianne Moran (Coach)

Monadnock Regional High School

Kari Dickey
Jen Flanders
Matt Gagne
Kimberly Hadley
Robyn Nielsen
James E. Harris (Coach)

Nashua Senior High School

Justin Banks
Bryan Herger
Utpal Inamdar
Steve Lacourse
Eugene Russo
Peter Testa (Coach)

Natick High School

Kathleen Douglas
Steven Kaldeck
Jonathan King
Amy Rourke
Paul Zagajeski
Alfred Murray (Coach)

Newton North High School

Bradley Baker
Daniel Eisenbud
Edward Keller
Ara Knaian
Matthew Pillsbury
Harry E. Keller (Coach)

North Andover High School

Jon Chines
Leslie Grimmett
Konstantin Matveyuk
Katharine Terry
Brian Tronic
Judith Hajec (Coach)
John Kappotis (Coach)

Oliver Ames High School

Eric Carlson
Johanna Masse
Karl McCarthy
Eric Savage
Charles Yoon
Ellen Russell (Coach)

Pembroke Academy

Shannon Campeau
Francis Doehner
Jackie Viar
Adam Welch
David Kelly (Coach)

Pinkerton Academy

Brian DeSchuytner
Bradley A. Gagne
Randy Fesh
Christopher L. Plumlee
Chris Williams
Victor L. Brandalise (Coach)

St. John's Preparatory School

John Gilligan
Daniel Hoffman
James Kossuth
Greg Randall
Brian Sidlauskas
Renee Zimmerman (Coach)
James Dupre (Coach)

Stevens High School

Ryan J. Baker
Abigail Edson
Jeffery Hall
Benjamin Little
Matthew Z. Taylor
Alice M. Clay (Coach)

Tewksbury Memorial High School

Paul Goulart
Michael Hission
Nicole Rauseo
Elizabeth Winslow
John G. Clarke (Coach)

Woonsocket High School

Christopher Felice
Andrew Marchand
Kevin Raiche
Nicole St. Onge
Angela Taddeo
Janet M. Miele (Coach)

1994 New England Regional Science Bowl

Organizing Committee

Sheila Dodson
Jean Flanagan
Lissa Natkin

Paul Rivenberg
Betty Sapp
Pat Stewart

Special Events

Ken Jacobs
Stan Rzepecki

Paul Thomas

Special Thanks

Ed Alvarez
Bob Bruen
Ginny Bullard
Steve Burnham
Ed Cogliano
Dave Costa
Jerry Fiumara

Joy Gurrie
Audrey Iarocci
Elsye Luc
Anne MacInnis
Aran Parillo
Steve Podos
Ken Sembach

Volunteers

Carl Accardo
Edna Accardo
Alpha Phi Omega
Tom Burbine
Earl Haywood
Jerry Hughes
Ted Ko

Brian McDonald
David Newell
Brad Richardson
Mark C. Roh
Shana Tribiano
Patrick Wojdowski

1994 New England Regional Science Bowl

Officials

Susan L. Acton
Paul Belk
Alexander Belopolsky
Andrew Berger
Michael Bradley
Claudia Bull
Don Burstyn
Dave Chamberlain
Robert Childs
John Coleman
Charles Collins
Michael Courtney
Dan Dale
Bruce Danly
Gene DiSalvatore
George Dodson
Karen Dow
Daryl DuLong
Veronica DuLong
Irene Ferriabough
Debbie Fonda
Derek Fox

Joe Frisbie
Jun Funatsu
Mary Hogan
Lisa Holderness
Steve Holmberg
Ken Jacobs
Steven Jens
Betsy Kennedy
Thomas Kettler
Stanley Kowalski
Naomi Makins
Anne Maloney
Chris Marone
Paul Martin
Pete McCorquodale
Justin McIntyre
Martin Muendel
Peter O'Shea
Mehul V. Patel
Steve Pavlon
Robert Pillsbury
James Propp

Matthew Reding
Robert Redwine
David I. Resnick
Wade Sapp
Lauren Saragosa
Christina Sorrentino
Lisa Streyffeler
Khaja F. Subhani
Allen Sun
Peter Sun
Annie Takeuchi
Bridget Tannian
Dan Tieger
Chris Tschalaer
Thanos Tsekouras
Louise Urgo
Thomas Wagner
Glen Warren
Jonathan Wilker
Paul Woskor
Dan Zwillinger

1994 New England Regional Science Bowl

Sponsors

U.S. Department of Energy
MIT School of Science
MIT Plasma Fusion Center

MIT Bates Linear Accelerator Center
MIT Laboratory for Nuclear Science

Awards and Prizes

Boston Celtics ✓
Boston Marriott Cambridge ✓
Converse ✓
D.C. Heath & Company ✓
Hewlett-Packard Company
L.E. Muran ✓

Legal Sea Foods, Inc. ✓
Oriental Travel ✓
Paramount Communications
and Prentice-Hall Books
Victor F. Weisskopf ✓

Support

ARA Food Service ✓
BayBank ✓
Boston Globe ✓
Boston Popcorn Co., Inc. ✓
Bouyea Fassetts, Inc. ✓
Coca-Cola ✓
Dame Associates ✓
Dunkin' Donuts ✓
Freihofers Baking Co. ✓
Frito-Lay, Inc. ✓
Gourmet Caterers ✓
Grainger ✓

Jack Smillie, Inc. ✓
Kaufman Company, Inc. ✓
Kimble/Kontes Glass ✓
La Casia's Bakery, Medford ✓
MIT Department of Physics ✓
MIT Food Services ✓
500 Memorial Drive
MIT Museum Store ✓
MIT Office of Lab Supplies ✓
MIT Vice President for Research ✓
Monroe Stationers & Printers, Inc. ✓
Nabisco ✓

Necco/Stark ✓
New England Biolabs ✓
Papa Gino's - Twin City Mall ✓
Phase One Office Products, Inc. ✓
Primo's Pizzeria, Somerville ✓
The Perfect Sandwich ✓

Tropicana
VeryFine, Inc. ✓
WGBH and WETA ✓
Learningsmith
Yoplait International ✓

Sunday Eagle-Tribune

Loan is provided by Eagle-Tribune Publishing Co.

Newton North is bowl winner

CAMBRIDGE, Mass. (AP) —
Newton North High School scored
an 80-44 victory over defending
champion Lexington High in a Sci-
ence Bowl held yesterday at MIT.

The science contest, sponsored
by the U.S. Department of Energy,
matched four-person teams in a
quiz show aimed at testing knowl-
edge of science and mathematics.

"It's a place where we can really
get recognition for our intelligence
and knowledge in science, whereas
in the school environment the only
real acknowledgement you can get
is in athletics," said Ed Keller, 17, a
senior at Newton North.

Sunday, Feb. 27, 1994

lives the va... of the UROP
am. Muh w... ne step further
suggested that UA representa-
could travel to Washington,
to meet with Congressmen
tly.

age was less sure that the UA
d change laws that already
"The administration is going
take the rules on how the
IPs are funded," he said. "The
graduate Association ... can't
at much." He was also critical
uh's idea of having students
r directly.

age was questioned on his ear-
tatement that changing the way
deals with harassment would
priority if he were elected. The
ent problem is a lack of
intability and centralization, he
He proposed creating a posi-
s solely for handling harassment
s, though he emphasized that
UA could only advise the MIT
nistration and was incapable of
ting changes on its own.

ny position adopted by the UA
uld be the views of the entire
at body," Muh said.
Then the floor was opened to
audience, the candidates faced
ones about how they would try
on more autonomy from MIT
restriction and how they would
more student participation in
activities.

age said that the UA should
more independent action to
the respect of the administra-

urrent UAVP Anne S. Tsao
questioned the candidates'
nment to what she described
"24-hour-a-day job." Both
s stated they were prepared to

activities. Muh is currently Class of
'96 vice president, and Sankaran is
UA Council floor leader.

In response to some mud-sling-

increase the UA's productivity, he
said

Evans, ending the debate, point-
ed out how much the teams agreed

issues, such as safety and harass-
ment on campus, he said.

Presently, Evans is Class
'95
vice president.

MIT Hosts Science Bowl

By Vipul Bhushan
SENIOR EDITOR

"What's the world's deepest freshwater lake?"
was one of the easier questions at the New England
Regional Science Bowl held at MIT Saturday.

Twenty teams of high school students competed
for the right to travel to the National Science Bowl in
Washington, D.C. this April to face-off against 40 to
50 other teams from across the country.

The contest used a double elimination format,
where teams of four faced off against each other to
answer questions in seven areas of science. It was

conducted with the help of almost one hundred MIT
community volunteers, including students, staff, and
a few professors.

The final contest pitted Newton North High
School against Lexington High School in Room 26-
100. Newton North prevailed, 80-44.

The Science Bowl was sponsored by the U.S.
Department of Energy, the Laboratory for Nuclear
Science, the Bates Linear Accelerator Center, the
School of Science, and the Plasma Fusion Center.

By the way, the world's deepest freshwater lake
is Lake Baikal in Russia.

VIPUL BHUSHAN—THE TECH
Professor Stanley B. Kowalski PhD'63 (right) fires off the final question at Saturday's Science Bowl. Newton North High School already has a winning lead over Lexington High School as time

THE BOSTON SUNDAY GLOBE • APRIL 3, 1994

3 Cheers

Science Club wins NE title

For winning the New England Science Bowl, the Newton North High School Science Club won an all-expenses-paid trip to compete against 52 teams at the National Science Bowl next month in Washington.

"We are very excited, especially since the US Department of Energy is funding the trip," said Harry Keller, the club's coach.

Club members Brad Baker, Dan Eisenbud, Ed

Keller, Ara Knaian and Matt Pillsbury received a trophy, a banner for the school and T-shirts for winning the New England competition, while Keller will receive a free plane trip to anywhere in the continental United States. Forty-three companies and 100 volunteers donated their efforts at the science bowl. Newton North's team won by 20 or more points in its eight matches.

"They were very good. The last four teams were super," said Sheila Dodson, an administrator at MIT's Bates Linear Accelerator Laboratory in Milton, where the eight-hour competition was held on Feb. 26.

Since October, the team has been practicing for the bowl, making up questions and using a buzzer machine made by Knaian, president of the Electronics Club, for mock contests.

And, if the Newton North Science Club wins at the National Bowl, to be held April 22-25, the team will attend a science program in Europe.

"So many of them are interested in math and science. I am amazed at how focused these kids are," said Jean Flanagan, communications officer for MIT's Laboratory of Nuclear Science.

CHRISTINA ROTHWELL

School C

Statement to u

of superintend.

by Dawn Spechler

Four School Council members are preparing a statement to read at Monday's School Committee meeting.

The statement will urge support for superintendent Blumer's proposal, which is \$1 million more than the may allocation, said senior J. White, a member of the committee.

"We are compiling this statement so the School Committee can hear the voice of the School Council and of Newton North High School," White said. "We are going to emphasize that cuts from Blumer's proposal will have drastic effects on the students."

White said the statement will be available to the public Monday morning in the main office of the School Council.

At the School Council's meeting Monday, Feb. 28, the teacher Marlene Yesley said

Club in National Science Bowl

State Olympiad tomorrow poses another challenge

by Adam Gerson
and Noah Phillips

As the New England champions, five members of the Science Bowl team will go to the National Science Bowl in Washington, D.C., April 22-25.

They will bring their "aggressive" answering style to competition with 52 teams that have won regional championships, said senior Ed Keller, a co-president of the club.

"If we can just get through the first few rounds, we'll be happy," Keller said. "Finishing in the top half would be a good achievement for us."

Starting next week, the five will start preparing, using homemade buzzers and questions that science faculty are developing.

Along with Keller, students going to Washington are seniors Bradley Baker and Daniel Eisenbud, junior Ara Knaian and sophomore Matt Pillsbury.

The five won the New England

Regional Science Bowl Saturday, Feb. 26, at MIT. In the competition, quiz-show style questions concerned astronomy, biology, computer science, chemistry, earth science, general science, mathematics and physics, Keller said.

Newton North topped 20 other New England schools, with Lexington in second place and Nashua, N.H., in third.

Club competition in addition to the Science Bowl includes the State Science Olympiad tomorrow at Wheaton College in Norton. The entire 13-member club will participate, Keller said.

"I think we have a good chance to finish in the top three," he said.

A first-place finish would qualify the team for the National Olympiad, he said.

To reach the state level, the club won the Southeastern Mass. Olympiad February 5 at Oliver Ames High in Easton.

Olympiad events include balancing of chemical equations, construction of a clock and design of a lightweight bridge, Keller said.

Also, Baker, Keller, Knaian, junior Josh Apgar and sophomore Seth Newburg participated in the Junior Engineering Technical Society's Tests of Engineering Aptitude, Mathematics and Science competition Saturday, March 5 at Wentworth Institute in Boston.

With 65 out of 99 on the first part of the test, Newton North placed second to Swampscott at Wentworth, one of three competition sites, Keller said. The team awaits the results from the second part, an essay test that counts for the national competition.

Parent Harry Keller, a computer programmer with Sun Microsystems, coaches the club, which meets X-1 in 236. Science teacher George Martins is the adviser.

Inside...

FRESHMAN YEAR

...TIGERS...

"CAMPUS"

Exchanges

PHOTO BY JOHN SHESLER

Members of the North Science team revel in their recent win at the U.S. Department of Energy New England Regional Science Bowl held at MIT Saturday. From left, Harry Keller, coach, Ed Keller, Ara Knalan, Matt Pillsbury, Dan Eisenbud and Brad Baker, team co-president.

Science team outsmarts all at regional bowl

The Newton North High School Science Team pulled off another win Saturday at the U.S. Department of Energy New England Regional Science Bowl, beating last year's Lexington High School champions 80 to 44.

Going head-to-head against teams from all over New England, the team answered science, math

and computer science questions, and was undefeated.

"We won first place by a large margin," said team coach Harry Keller, who took five of the 12 members to the competition held at MIT.

"This wins them a trip to Washington, D.C., to compete against 53

teams from across the country" in April, he added.

The team won the Southeastern Massachusetts Regional Science Olympiad on Feb. 5th. There, they will compete in the state final March 12 at Wheaton College for spot in the national Science Olympiad to be held in Arizona this spring.

NEWTON

Science team outsmarts all at N.E. bowl

NEWTON — The Newton North High School Science Team pulled off another win Saturday at the U.S. Department of Energy New England Regional Science Bowl, beating last year's Lexington High School champions 80 to 44.

Going head-to-head against teams from all over New England, the team answered science, math and computer science questions, and was undefeated.

"We won first place by a large margin," said team coach Harry Keller, who took five of the 12 members to the competition held at MIT.

"This wins them a trip to Washington, D.C., to compete against 53 teams from across the country" in April, he added.

Keller compared the contest format to the old College Bowl television show where students answer up to 25 questions. "It's tense," he said.

The team won the Southeastern Massachusetts Regional Science Olympiad on Feb. 5th. There, they will compete in the state finals March 12 at Wheaton College for a spot in the national Science Olympiad to be held in Arizona this spring.

"They're looking forward to it,"

PHOTO BY JOHN SHESLER
Members of the North Science team revel in their recent win at the U.S. Department of Energy New England Regional Science Bowl held at MIT Saturday. From left, Harry Keller, coach, Ed Keller, Ara Knelan, Matt Pillsbury, Dan Eisenbud and Brad Baker, team captain.

U.S. DEPARTMENT OF ENERGY REGIONAL SCIENCE BOWL
SATURDAY, FEBRUARY 27, 1993

Co-Hosted by

M.I.T. SCHOOL OF SCIENCE/LABORATORY FOR NUCLEAR SCIENCE/
BATES LINEAR ACCELERATOR CENTER

MANAGEMENT PLAN

OVERVIEW:

The Regional Science Bowl was developed by the Department of Energy to promote the study of mathematics and sciences at the high school level. Letters will be sent to high schools in eastern Massachusetts and southern New Hampshire, from which sixteen teams will be selected on a first-come first-served basis. The teams will consist of 4 students and 1 alternate as well as a team coach. The contest itself will use a double elimination format. At the end of the contest, the winning team will advance to the National Science Bowl to be held in Washington, D.C. in April 1993.

STAFFING REQUIRED:

Currently, there is an Organizing Committee consisting of Betty Sapp, Coordinator; and LNS staff Jean Flanagan, Sheila Dodson, and Bob Bruen. The function of this committee is to handle all the administrative tasks involved with running a successful Science Bowl. In order to have the Bowl run efficiently and effectively, it is necessary to have the services of a number of people from the School of Science on a volunteer basis. These include, for example, recruiting officials as moderators, judges, timers, scorekeepers. There will be eight matches running simultaneously, and the officials listed below are needed for EACH match. We are looking for participation from the faculty, staff, and the student body in Astronomy, Biology, Chemistry, Computer Science, General Science, Earth Science, Mathematics, and Physics in the following capacities:

- 8 Scientific Judges: Resolve question challenges.
Ensure that the Moderator has read each question correctly.
- 8 Rules Judges: Ensure that all competition rules are followed.
Watch for scorekeeper errors.
Ensure that quiet is maintained.
- 8 Timekeepers: Operate the official competition time clock.
Keep track of time for bonus and toss-up questions.
- 8 Scorekeepers: Accurately award points and record the competition score.
Record the points a team receives on each individual question.
Keep a running total of team points.

8 Moderators: The Moderator is THE person responsible for controlling each match.

When the volunteers have been identified, DOE Headquarters will send experienced staff to practice a Science Bowl event with us and to answer questions.

Alternates: Several alternates should be available in case of emergencies.

Also needed are secretarial and photocopying assistance for mailings to high schools in the region. These will be handled LNS/Bates.

CAMPUS ROOMS:

Eight classrooms are needed for the elimination matches. These rooms need to be in close proximity to each other. A separate room is needed nearby for the Science Bowl Central.

Science Bowl Central: A central location for reference/information prior to and between rounds of competition. Should be staffed by at least two individuals throughout the competition. Any of the scientific disciplines which are not included in the eight scientific judges above should be available here. Room 2-103 has been designated as Science Bowl Central.

Classrooms: The competitions will be held in classrooms. They have been identified as: 2-131, 2-132, 2-135, 2-136, 2-139, 2-142, 2-143, 2-146, 2-147, 2-151. We have, in fact, reserved two more classrooms than are necessary.

In addition, rooms need to be available for the Opening Ceremony, Lunch, and Closing Ceremony.

Opening Ceremony: 10-250

Lunch: Walker

Closing Ceremony: 10-250

AWARDS:

Trophies/placques will be awarded to the winning teams. DOE will provide T-shirts to the winning teams as well. It is the intent of the Committee that every student should receive some token of appreciation for attending the Bowl.

DONATIONS:

At this time, we are soliciting donations from the Coca Cola Company, Dunkin Donuts, Very Fine Fruit Juice, Papa Gino's, and Converse Shoes. Also, we are soliciting support from the Boston DOE Support Office and from Raytheon.

PROGRAM:

A program will be generated which will include the match schedule, rules and regulations, listing of officials, listing of teams, campus map, room locations, and sponsors.

MEDIA:

The M.I.T. News Office has agreed to help with media support for this event. Press releases will be sent to the local newspapers of the participating teams before and after the event. Television and radio will be notified as well, and if necessary, we will set up a press room for the local press. High school newspaper editors will be invited to the event. Clips and/or tapes will then be sent to DOE. We will also confer with the DOE Secretary's Office of Special Programs on publicity.

TIME LINE:

AUGUST

National Science Bowl Planning Meeting

SEPTEMBER

Commitment to DOE

Set date of Regional competition (February 27, 1993)

Set maximum number of schools in competition (16)

Determine facility to hold competition (MIT)

Locate proper equipment

OCTOBER

Management Plan

Discussions with local teachers

Commitment from MIT School of Science

Commitment from Conference Center and Schedules

Commitment from News Office

Submit questions to DOE

Obtain and prepare mailing lists

Prepare flyer to recruit volunteers

Ask Dean Birgeneau to welcome high school students, parents, teachers and to give out awards and be Master of Ceremonies at end of competition along with Professors Redwine and Kowalski and Dr. Sapp

NOVEMBER

- Design logo
- Contact Professor Latanision to inform him of Bowl and ask for help and volunteers
- First mailing to local high schools
- Contact possible sponsors for Bowl (some food sponsors have been contacted such as Very Fine and Papa Gino's)
- Purchase and/or borrow equipment
- Line up volunteers
- Set date for DOE training session for volunteers
- Plan activities for high school students when not participating in Bowl
- Contact photographer for a team photograph

DECEMBER

- Confirm teams and alternates
- Send confirming letters and packets to teams including maps and information
- DOE training session for volunteers
- Have workshops with coaches
- Order supplies and necessary equipment
- Order trophies
- Send out press releases to local newspapers of confirmed teams
- Confirm local TV coverage
- Be available for high school coaches, volunteers, etc., to answer questions
- Plan logistics

JANUARY

- Confirm sponsors
- Prepare name badges
- Walk through of registration
- Track budget
- Prepare programs and registration packets
- Receive competition questions from DOE
- Order and/or prepare signs
- Obtain trophies

FEBRUARY

- Double check room confirmations
- Send out press kits
- Call local newspapers, TV, radio
- Confirm welcoming/award speakers
- Confirm volunteers for all aspects of Bowl
- Confirm alternate activities
- Confirm teams and coaches
- Run through with administrative volunteers
- Have volunteers who will be moderators go over them carefully
- Confirm high school newspaper editors participation
- Check equipment
- Make sure all necessary supplies are available
- Confirm donations and arrival times
- Make sure rooms are properly set up
- Make sure proper information such as important rules are in each room

Clip and send all news stories to DOE
Give coaches and officials a comment form to help assess the Science Bowl
Post information and signs

MARCH

Send press releases to local newspapers
Send information to DOE including photographs
Close account and prepare final budget and report
Send thank you notes to volunteers (from Dean)
Send thank you notes to sponsors
Send sponsor names and donations to DOE for recognition in National Program
Send names of officials, schools, and sponsors to DOE for Secretary's thank you note
Travel arrangements for facility escort

APRIL

National Science Bowl in Washington, D.C.

Footnote: DOE has provided to us a 28 minute videotape of last year's National Science Bowl which will be aired on PBS.

*Budget removed.
ds*

TIME LINE 1994 REGIONAL SCIENCE BOWL

AUGUST

Commitment to DOE/identify Point of Contact
Set date of Regional competition (February 12, 1993)

SEPTEMBER

National Science Bowl Planning Meeting
Begin organizing committee meetings
 add to organizing committee?
Set area and maximum number of schools in competition
Determine facility to hold competition (MIT)
Commitment from MIT School of Science
Commitment from Conference Center and Schedules
Solicit for questions
Submit questions to Oak Ridge
Write management plan draft

OCTOBER

Settle Whitefield NH business
Make budget
Get money request to Stephens' office
Locate proper equipment
Commitment from News Office
Obtain and prepare mailing lists
Prepare flyer to recruit volunteers--officials and helpers
Line up Birgeneau, Redwine, and Kowalski & perhaps state
 official to welcome, give out awards, etc., at
 competition
Set format for Competition day/design tournament flowchart
Set cutoff date for teams to sign up
Contact possible sponsors for Bowl (ongoing)
 example of gifts, prizes from 1993
Announce Bowl at physics teacher meetings
First mailing to local high schools
 Brochure & promotional material

NOVEMBER

Early feeler for number of volunteers
Set mock competition dates
Design logo (or use old one)
Contact Prof. Latanision to inform him of Bowl & ask for help &
 volunteers
Purchase and/or borrow equipment
Line up volunteers
Plan alternative activities for high school students
Contact photographer for team photographs

DECEMBER

Volunteer meeting; practice, describe roles & duties
Confirm teams and alternates
Send confirming letters and packets to teams including maps and
 information
Order supplies and necessary equipment

Order trophies
Send out press releases on confirmed teams to local newspapers
Confirm local TV coverage
Be available for high school coaches, volunteers, etc., to answer questions
Plan logistics
Deadline for student forms, including biographical profile

JANUARY

Have coach's orientation
 include drawing for position?
Confirm sponsors
Prepare name badges
Walkthrough of registration
Track budget
Prepare programs and registration packets
Order and/or prepare signs
Obtain trophies
Start officials' training sessions
Receive and duplicate questions; subject reviewers screen them
Confirm welcoming/award speakers
Confirm volunteers for all aspects of Bowl
Confirm alternate activities
Confirm teams and coaches
Obtain police coverage for competition rooms

FEBRUARY

Before competition:

Double check room confirmations
Check electrical and telephone connections in competition rooms
Send out press kits
Call local newspapers, TV, radio
Run through with administrative volunteers (?)
Have moderators and scientific judges go over questions carefully (Make necessary changes); read them
Confirm high school newspaper editors' participation
Make sure all necessary supplies are available
Check equipment
Confirm donations and arrival times
Make sure rooms are properly set up
Make sure proper information, such as important rules, are in each room.
Clip and send all news stories to DOE
Give coaches and officials a comment form to assess SciBowl
Post information and signs

After competition:

Send press releases to local newspapers
FAX and mail forms to DOE, including photographs (March 7)
Send thank you notes to volunteers (from Dean) & us
Send thank you notes to sponsors

MARCH

Close account and prepare final budget and report
Send sponsor names and donations to DOE for recognition in

National Program
Send names of officials, schools, and sponsors to DOE for
Secretary's thank you note
FAX & mail publicity clips to DOE
Travel arrangements for facility escort

APRIL

National Science Bowl in Washington, D.C. (April 22-25)