

## Appendix 2: Calendar of ACS Events (1996–97)

### October

1, (12–1pm)

–**Speaker, Professor Bill Zoller, “Chernobyl: A visit to the Reactor, It's Impact.”** (10 ACS SA, 5 students, 15 faculty members)

- enjoyed catered sandwiches and drinks (thanks to Regional ACS)

3, (8–9pm)

–National Chemistry Week meeting (7 attendees)

- planned NCW recruitment
- chose NCW demonstrations

10, (9–10pm)

–National Chemistry Week meeting (12 attendees)

- delegated experiments
- planned practices, banner making, atrium reservations
- searched books for demonstration ideas

14, (5–6pm)

–**Welcoming open meeting/recruitment** (65 attendees)

- introduced ACS SA
- elected new officers
- brainstormed ideas for the year
- pizza and pop

17, (9–10pm)

–National Chemistry Week meeting (12 attendees)

- ordered chemicals
- introduced new members

24, (8–9pm)

–National Chemistry Week meeting (7 attendees)

- organized groups and times

29, (5–6pm)

–First meeting (25 attendees)

- reintroduced ACS SA and members
- stressed new-member involvement
- planned for National Chemistry Week
- elected two officers as “Historians” (record keepers)

30, (7–9:30pm)

–National Chemistry Week meeting (12 attendees)

- made banner for Chemistry Building and posters
- located all equipment and practiced demos

## November

3, (5–6pm)

–National Chemistry Week Lab Practice (5 attendees)

- dress rehearsal for NCW demonstrations

5 and 8, (11–1:30pm)

–**National Chemistry Week Demonstrations in the Chemistry Atrium**

(8 ACS SA members, 2 regional ACS members, 200 spectators)

- did liquid nitrogen, slime, and maize and blue color change demonstrations, plus made edible  $N_{2(l)}$  marshmallows and  $N_{2(l)}$  ice cream!
- used speaker system to spread the excitement
- sold NCW tee-shirts
- gave out NCW wallet cards, pencils, and balloons

19, (5–6pm)

–Meeting (12 attendees)

- exchanged NCW pictures
- planned web page
- brainstormed about annual trip to science museums and new ideas

## December

9, (6–8pm)

–Tutoring (7 SA members, 20 non-SA attendees)

10, (5–6pm)

–Meeting (10 attendees)

- discussed creating a chemistry showcase
- planned and designed web page
- planned meeting with other student groups for annual trip to science museums

11, (3:30–6pm)

–Web page meeting (5 attendees)

- introduced newer member to html web page design

- delegated portions of web page
- learned about Adobe Photoshop

## January

14, (5–6pm)

–**Joint meeting with Students of Biology (25 attendees)**

- made/posted flyers
- planned trip to Toronto's Ontario Science Center and the Royal Ontario Museum with the Students of Biology
- planned showcase

27, (6–8pm)

–Tutoring (8 SA members, 20 non-SA attendees)

28, (5–6pm)

–Meeting (10 attendees)

- planned tutoring
- gathered member information for web page
- discussed and planned for middle school "inreach"

30, (11–11:30am)

–Planned inreach with faculty (1 SA member, 1 faculty member)

- reserved labs
- checked safety
- assembled materials

## February

3, (6–8pm)

–Tutoring (8 SA members, 20 attendees)

10, (6–7:30pm)

–**Speaker, Professor Adon Gordus, "Detective Chemistry"** (15 SA, 15 students)

- Pizza and pop attracted a large crowd

11, (5–6pm)

–Meeting (10 attendees)

- divided into groups for inreach

- finalized Toronto trip plans
- announced web page to group and discussed expansions
- ([www.umich.edu/~acssa](http://www.umich.edu/~acssa))
- enjoyed doughnuts and pop

14, (10–11pm)

–Planned inreach with faculty (1 SA member, 1 faculty)

- practiced polymer races
- discussed and finalized chemical safety issues

15, (2:30–4:30pm)

–**Inreach practice with the Society of Physics Students** (11 attendees)

- finalized polymer, fluorescence, spectroscopy stations
- dress rehearsal practice to sharpen “bantering” skills

19, (3–4pm)

–Inreach practice (3 attendees)

- practiced electrolysis of H<sub>2</sub>O

20, (8–9pm)

–Officer meeting (2 attendees)

- discussed increasing faculty involvement and mentorship

21, (11–11:30pm)

–Planned inreach with faculty (1 ACS SA member, 1 faculty)

- assembled spectrosopes and safety glasses for inreach

21, (9–11pm)

–Inreach lab set-up (3 attendees)

- made the lab “kid friendly”
- made inreach banners and set up tables and equipment

22, (8am–3pm)

–**Middle school science inreach joint with the Society of Physics Students**

(9 SA members, 6 Society of Physics Students members, 22 sixth graders,

3 parents, 1 community resource advisor)

- 22 sixth graders came to the U of M teaching labs and rotated through 7 stations (4 chemistry and 3 physics)

Chemistry stations:

“Slime! An Introduction to Polymers.” Made own slime, learned about molecules, saw examples of everyday plastics

“Fluorescence and Phosphorescence” Learned about light spectrum, UV, detergents, highlighters, spectrosopes, glow-in-the-dark stars.

“Spectroscopic Investigation” Spectroscopes, prisms, gas discharge tubes, lights around building

“TLC! What’s in that marker?” Colored inks, compared with other students

Physics stations:

“Holography” -- Made own holograms, some of themselves

“Pin-hole Cameras” -- Made cameras, saw how film works

“Electrolysis of H<sub>2</sub>O” -- Introduction to atoms

- What the middle schoolers brought home with them: marker TLCs they made, glow stars, slime, safety glasses, and a positive image of chemistry

23, (8–9pm)

–Executive Officer Meeting (2 attendees)

- set a date for new officer elections and discussed new positions
- examined recruiting strategies

25, (5–6pm)

–Meeting (9 attendees)

- exchanged inreach pictures and stories, plus the responses of the middle schoolers
- new vice president took office
- finalized Toronto plans
- enjoyed doughnuts and pop

26, (1:15–2pm)

–Meeting with chemistry department chair, Dr. Kuczkowski (2 officers, department chair)

- discussed ACS National Meeting in Las Vegas (Sept, 1997)
- chemistry department offered to send two officers

## March

4, (6–8pm)

–**Chemistry Department’s Annual Chemistry Concentrators and Potential Concentrators Meeting (2 SA officers, 60 potential chemistry majors/current majors, 15 faculty)**

- explained chemistry curriculum to new undergraduates
- recruited for the chemistry department and the ACS SA
- signed up about 40 people for e-mail list, plus advertised tutoring
- advertised Toronto trip and web page URL ([www.umich.edu/~acssa](http://www.umich.edu/~acssa))

11, (5–6pm)

–Meeting (15 attendees)

- introduced new members (most from concentrator’s meeting on March 4th)
- discussed hosting a “Science Day”
- announced date of election and necessary preparations to run
- enjoyed doughnuts and pop

18, (2–2:30pm)

–Meeting with chemistry department chair, Dr. Kuzcowski (2 officers, department chair)

- discussed ACS National Meeting in Las Vegas (Sept, 1997) and the possibility of sending several officers

25, (5–6pm)

–**Meeting, Elections (20 attendees)**

- those running for office presented their vision of the future of ACS elections for:
  - 2 Co-presidents and a Vice President
  - Vice President of Publicity
  - Vice President of Speakers
  - Vice President of Tutoring
  - Treasurer and Secretary
  - Historian
- introduced new members mostly from Organic Chemistry classes)
- signed up for Science Day e-mail list
- enjoyed doughnuts and pop

18, (4–5pm)

–ACS, Students of Biology joint Toronto meeting (20 attendees)

- broke the ice between Students of Biology and ACS
- went over Toronto itinerary
- discussed hotel, fees, and transportation

19, (4–7pm)

–**Speaker, Helen Free, “Public Perception of Chemistry” (15 SA, 10 UM students, 4 faculty, 1 ACS Regional Representative)**

- stressed importance of outreach and motivation
- planned for National Chemistry Week
- enjoyed catered sandwiches and drinks (thanks to Regional ACS!)

21–22, (two days)

–**Trip to Toronto with Students of Biology (15 attendees)**

- Late Friday: checked into hotel and toured downtown Toronto Saturday Morning: visited Ontario Science Center and saw “Re-Making of Star Wars” Omnimax movie
- Saturday Afternoon: visited Royal Ontario Museum
- Saturday Evening: headed back to U of M

31, (6–8pm)

–Tutoring (7 SA, 10 non-SA students)

## April

4, (8–9pm)

–First Year Chemistry Recruiting (4 SA members, 15 honors chemistry students)

- discussed purpose and events of ACS SA
- enjoyed pizza and pop

9, (4–7pm)

–**Speaker, Dr. Charles Yocum, “The Biology-Chemistry Interface” (15 SA, 5 UM students)**

- enjoyed pizza and pop

11, (5–6pm)

–Meeting/ 1997-98 Officers Take Positions (17 attendees)

- planned “Festifall” booth for the fall student-group recruitment at U of M
- discussed applying for Outstanding Chapter Award
- asked members “How can we improve?” and “What can we do to serve the undergraduate chemists better?”
- signed up for summer e-mail list
- brainstormed summer plans
- enjoyed doughnuts and pop

16, (6–7:30pm)

–**Dinner with speaker Dr. Charles Yocum (6 SA, 1 faculty)**

- discussed careers in chemistry and favorite chemistry demonstrations

21, (6–8pm)

–Tutoring (6 SA, 7 non-SA students)

## May

11, (5:30–7pm)

- Officer Meeting (7 attendees)

- discussed Midland Regional Meeting
- brainstormed speakers for next year (who would we like to hear?)
- set up: tutoring dates for next year, budget plans, summer plans, outreach plans

- officers chipped in and bought some pizza together

14, (2–2:30pm)

–Meeting with Faculty (1 SA, 1 faculty)

- planned Summer middle school outreach

19, (12–3pm)

–Summer Outreach Planning (3 SA, 1 staff)

- assembled chemicals and supplies
- rehearsed interactive demonstrations

20, (7:30am–2pm)

–**Outreach to Scarlett Middle School (4 ACS SA, 60 eighth-graders, 1 teacher)**

- “Acidic or Basic? You Tell Me!”: pH paper test of household cleansers, soda, milk, juice
- “Universal Indicator”: discussed pH scale with NaOH and HCl
- “Slime! An introduction to polymers!”: kids stirred and polymerized their own slime (which they brought home!)
- “Liquid Nitrogen”: demonstrated pressure, gas, and shattering flowers with a dewar of N<sub>2(l)</sub>
- “Liquid Nitrogen Marshmallows: Stick a Marshmallow in N<sub>2(l)</sub> and See What Happens!”: kids chomped on these “interactive science snacks”
- answered questions about the science
- went over chemical safety
- gave them free safety glasses and slime to take home

24, (4–7pm)

–Executive Officer Meeting (2 attendees)

- planned Midland Regional Meeting
- wrote Year-End Report
- exchanged and scanned summer outreach pictures

25, (10am–12pm, 5–8pm)

– Executive Officer Meeting (2 attendees)

- revised Year-End Report

26, (2–3pm)

–Meeting With Faculty (1 SA, 1 faculty)

- discussed both Las Vegas National Meeting and Central Valley Regional Meeting
- went over student activity ideas for the upcoming chemical education conferences

28, (5pm–8pm)

–Executive Officer Meeting (2 attendees)

- planned Midland Regional Meeting
- went over Cedar Point plans



- worked on Year-End Report

29, (6am–7pm)

–**Central Valley Regional Meeting (1 officer)**

- networked and attended professional sessions

30, (10–10:30am)

–Meeting With Faculty (3 SA, 1 faculty)

- discussed Year-End Report and grants for 1997-98