



SOCIETY
for the
HISTORY
of
TECHNOLOGY

NEWSLETTER

OF THE SOCIETY FOR THE HISTORY OF TECHNOLOGY

No. 126 n.s. Summer 2013

WELCOME TO PORTLAND!

Moose, Mosquitoes and Lobsters

Maine: forests, rivers, seacoast, lobsters, mosquitoes, moose. In fact, the State motor vehicles department sells a map of moose-automobile accidents suitable for framing. By the time you arrive in Portland in October for the Annual SHOT meeting, the mosquitoes will be gone and there will be lobster aplenty. October is also the best time to spot a fully antlered Bull Moose, but not in Portland, Maine, itself. October is a prime month to visit, with the possibility of warm temps and certainly peak leaves for “leaf-peepers.” Maine is renown for its natural beauty with a coastline over 5,600 km in length (but only 250 miles as the osprey flies) and is 90% forested. To dispense with the most important concerns about your visit: Lobster can’t be farmed like salmon and other fish, so I assume they are free range – or free ocean. They are unloaded daily at the Portland waterfront. Lobsters are not your typical bottom-dwelling scum-suckers, but actually eat fish, crabs, clams, mussels, sea urchins, while clams and mussels are in fact muck-living scum-suckers.

A City of Art, Commerce, and Microbreweries

Portland dates to the 1600s and has been a commercial center since after the Revolutionary War. Like in Chicago, a great fire (1866) destroyed most of the commercial buildings in the city, half the churches,

and a large number of homes. This led to rebuilding in brick in a Victorian style. The west end, where our hotel is located, has a number of mansions dating to the 19th century including the Victoria Mansion, also known as the Morse-Libby House, in which we shall have the Thursday-night reception.

Maine passed prohibition in 1851; the Portland Rum Riot in 1855 unfortunately led to at least one death, but fortunately led to the repeal of the law the next

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SHOT Newsletter Editorial Policies, Advertising Rates, and Submission Deadlines

The SHOT Newsletter is published once a year in July and sent to all individual members of the Society who request it. During the rest of the year, news of the Society is available on its website. Items for inclusion will be published if received by 1 June. Material for the newsletter may be submitted via electronic mail. Non-members and institutions may receive the Newsletter by separate subscription for \$15 per year. The Newsletter is also available online at SHOT's website.

Readers should verify closing dates and other information provided by institutions and sponsors; the Secretary and SHOT are not responsible for changes or typographical errors or omissions. Advertising for books, journals, and other matters related to the interests of the Society and its members is accepted if received by 1 June.

Advertising Rates: Full page (7½" x 9½"):	\$200
Half page (7½" x 5" or 3" x 9½"):	\$150
Quarter page (3" x 5"):	\$100

SHOT WEBSITE ANNUAL MEETING PAGE

Our main SHOT website: <http://www.historyoftechnology.org> has a link connecting to the SHOT annual meeting webpage: <http://www.historyoftechnology.org/annualmeeting.html>

This page contains links to the program, the conference schedule, registration information, plus details on SIG (Special Interest Group) meetings, receptions, the SHOT members meeting, SHOT tours etc. Details on hotel reservations and local information are also available here. We will be updating the annual meeting page frequently with additional information so please check back at regular intervals.

Welcome continued...

year. Today, people come to Portland for its foodie culture – wonderful, fresh cuisine, usually based on seafood – and for its microbreweries. Maine is fifth among all states in microbreweries per capita, with a total of 31 breweries – or one brewery for every 42,850 people. The US is behind the Czech Republic and Germany in per capita consumption of beer, but ahead of Denmark where last year's annual meeting was held.

Portland's architecture, personality, style, funkiness, and intimacy make it a wonderful venue for the annual meeting. The downtown area, where most of our activities and the meeting will be held, is essentially a peninsula with a ridge running through the center. To the "east" down the ridge you approach the commercial district and the working waterfront, to the west – the arts district. Everything is walking distance; some cobblestone streets remain. The result is a quaint New England city, yet with the edginess of the working waterfront always nearby, with dozens of fine restaurants, cheese, salt, and other craft stores, with a mixed population, both young and older, and highly educated with not only professionals, but fishermen and women and craftswomen and men and restaurateurs who trained initially as historians, rhetoricians, and no doubt a few historians of technology.

Most important, wander along the working waterfront. Through the efforts of town mothers and fathers, fishermen and others to keep fisherman, their vessels, the wharfs, processors, and wholesalers healthy, Portland has preserved affordable berths for working vessels, with workspace and warehouses. The state offers grants to assist in purchasing of properties dedicated to commercial fishing. Portland does not have the condos of the 1% crowding out the view of the waterfront – although cruise ships have unfortunately discovered the city.

A Friday evening harbor tour will take us through Casco Bay and past Peak Island, Cow Island, Great Diamond Island. One of the theories of the origin of Casco Bay is that *Aucocisco* is the Abenaki name for the bay (meaning "place of herons"), and since there's a great blue heron nesting somewhere at my summer place, I'm going with *Aucocisco*.

Rural Maine: Nothing But Small Towns

Maine consists of small towns. Portland, the biggest city at 66,000 inhabitants, is easily accessible from Boston by train, bus, or rental car. Or fly directly into Portland (PWM), only 15 minutes from downtown. Some people have described Portland as a big town, not a small city. For many Mainers a tension between the northern part where hunting, fishing, logging prevail, and the southern wealthier, more suburban sections, although Maine is basically rural, and it's very white: 1.3% of the population is black versus 13% for the nation. A few years back, one Republican state representative declared that "Northern Maine is . . . the real Maine." He suggested that the northern half of the state remain "Maine" and the southern half be renamed Northern Massachusetts. But it is true that jobs have left the northern part of the state, the population has aged, and many have settled in southern regions. Portland gives the impression of being a younger city.

In addition to such representatives, Maine has a governor of Tea-Party roots who is a kind of historian of technology, Paul LePage. One of his first acts was to try to roll back a prohibition against plastic water bottles with bisphenol A (BPA). He said, "The only thing that I've heard is if you take a plastic bottle and put it in the microwave and you heat it up, it gives off a chemical similar to estrogen. So the worst case is some women may have little beards." This suggests a SHOT panel for Dearborn in 2014 on politics, technology, and regulation.

Industrial Maine

The major field trip – with details still being worked out – should involve a paper mill and shoe factory. I hope the Thursday trip to SAPPI and New Balance (still under negotiation as the newsletter goes to press) will enable also leaf peeping. The Westbrook Sappi paper mill is the world's leading manufacturer of release papers for the automotive, fashion and engineered films industries. Release papers provide the surface aesthetics found in plastic-coated fabrics found in footwear, clothing, upholstery, and decorative laminates. New Balance is the only athletic shoe company still producing in the US. Just a few miles from Somerset, the Skowhegan factory opened in 1982. An old School House next door is the factory outlet where I get all my shoes.

Leaf Peepshows

Hopefully, leaves will peak when you come to Portland. The state offers a Fall Foliage Website to check: <http://www.maine.gov/doc/foilage/> So strap on your NBs and run in Back Cove (the Maine Marathon is in Portland on Sunday, October 6th), get your camera, open your gullet, give up dietary restrictions for a few days, and visit an intimate, gorgeous city with a working waterfront. I'll spend a lot of time when not at sessions in oyster bars.

I'd like to thank President Bro Adams of Colby College for generously donating to the SHOT meeting – as part of Colby's 200th anniversary-- and to my STS colleagues at Colby, Jim Fleming and Lenny Reich as well as Howard Segal (University of Maine) and Rebecca Herzig (Bates College) for their suggestions.

*Paul Josephson
Colby College
Waterville, Maine*

Weather in Portland in October

According to the Portland Convention and Visitors Bureau, "The sea tempers Maine's climate, making for mild winters and cool summer breezes." For October, the average high temperature is 61°F and the low is 39°F.

Transportation to Portland

Portland (PWM) is a convenient city to fly into, with non-stop flights from Atlanta, Baltimore, Charlotte, Chicago, Cleveland, Detroit, Newark, New York (JFK and LaGuardia), Orlando, Philadelphia, Toronto, and Washington. The major airlines serving Portland are US Airways, United, and Delta. Portland is also serviced by two no-frills airlines, JetBlue and Southwest. Details about flights to Portland can be found at portlandjetport.org. Boston's Logan Airport is 100 miles from Portland and there is convenient nonstop bus service between Logan and Portland; for more information, visit <http://www.concordcoachlines.com/index.php/maine-locations/portland-boston>. There is also frequent Amtrak train service from Boston's North Station to Portland.

In terms of getting from the Portland Jetport to the Holiday Inn, you can either take a cab or call the Holiday Inn and ask them to pick you up with their shuttle van. To reach the Holiday Inn, look for their telephone in the baggage claim area.

PRESIDENT'S MESSAGE

We are delighted at the prospect of the 2013 annual meeting convening in Portland, Maine in October, and look forward to a good event. In addition to the usual roster of papers and presentations assembled by the hard-working Program Committee, I wish to draw everyone's attention to a particular aspect of this year's program.

At intervals SHOT has devoted time to self-reflection, and in recent years both members of the Executive Council and interested individuals have thought about the intellectual directions of the history of technology generally and the supportive infrastructure, if you will, that SHOT as an organization provides for its members. At its spring meeting in Washington, DC (thank you Lemelson Center for hosting us!) the Executive Council directly discussed this subject, and not for the first time. The conversation was assisted by a communication from Gabrielle Hecht and several colleagues to me and to the Program Committee. At the end of the Council session, we agreed it would be useful to engage SHOT's membership more deeply in these matters. Thus with input from the Program Committee, the Executive Council, a few interested members, and the officers, this year's program provides a number of opportunities to join discussions about intellectual directions and organizational activities.

The process will be inaugurated by a presidential plenary Thursday evening that will frame the general discussion designed to run throughout the meeting and beyond. The primary structure for these discussions will be provided by presidential roundtables scheduled during every program session on Friday and Saturday. Several of these discussion

sessions were proposed independently by SHOT members and accepted by the Program Committee. To these I have added three additional roundtables. Two explore elements of the intellectual agenda of the field, focusing on topics that represent intersections to the wider arts and humanities, areas where historians of technology are finding exciting opportunities to both learn and contribute to emerging intellectual currents. A third roundtable will be devoted to the institutional and organizational challenges that face an organization like SHOT in an era of changing technological possibilities on a landscape that is ever-more international in scope.

At all sessions, we have asked presenters to develop ideas and circulate them prior to the meeting so that the sessions can be devoted as much as possible to interactive discussion about where the history of technology is, where it should be going, and how SHOT can help members engaged in those pursuits. We will alert everyone to the vehicle for that dissemination as we get closer to the meeting. We also will facilitate social media discussions before, during, and after the meeting as a means of securing as much input and as many ideas as possible.

A final session late on Saturday afternoon will pull together input from all of the roundtables, seeking to generate a list of action items for SHOT's officers and Council going forward, to implement with the 2014 annual meeting and beyond. Indeed, there is no shortage of topics that merit conversation, so we cannot possibly examine every option for the field and the Society in a single set of discussions. My desire is to promote a conversation that will begin in Portland and animate our efforts in the immediate future.

With this conversation about the history of technology and SHOT in mind, I invite all of you to Portland for the 2013 annual meeting. This can be an important meeting for helping shape both our field and the organization. I hope to see you there!

*Bruce Seely
Michigan Tech*

**SECRETARY'S
MESSAGE**

For 2013, we are delighted to be meeting in Portland, Maine, thanks to the hard work of Paul Josephson of Colby College and his local arrangements committee. I think you will be charmed by the restaurants, shops, and the lively waterfront of Portland.

SHOT in Portland will be a great meeting because it's an opportunity to learn and play with a group of friendly and outgoing scholars. People know that attending a SHOT meeting is a chance to catch up on the latest scholarship while having fun. Toward this end, Paul and I have organized some wonderful industrial tours--including the SAPPI paper plant, the New Balance running-shoe factory, and a naval shipyard, the Bath Iron Works. Because Portland is a terrific town for food and drink, we've arranged for a visit to the Shipyard Brewery as well as a walking tour for sampling the best culinary delights. Rounding out the meeting, Amrys Williams and TEMSIG have arranged for you to ride on a narrow-gauge steam locomotive while Jane and I have been working on a Friday-night harbor cruise which will feature lobster rolls and views of the Casco Bay islands.

One of SHOT's traditions is the hospitality suite held on Friday and Saturday nights. As we go to press with the newsletter, I'm happy to report that we will most likely be enjoying a selection of beers, compliments of two local breweries, Shipyard and Allagash.

This fall, SHOT is planning to roll out a new logo and website. To commemorate the new logo and our meeting in Portland, we are working with a local Maine company, Seabags, to produce a limited-edition tote bag made from recycled sails. Please watch the website for details about how to order this bag as we must order them in advance of the meeting.

Along with bringing you the details of the Portland meeting, this newsletter includes information about the election of new officers and committee members. This year, you will need to elect individuals who will serve on the Executive Council, the Nominating Committee, and the Editorial Board. The current Nominating Committee, chaired by Martina Hessler, has assembled a superb slate of candidates, and their bios (and campaign promises!) can be found in this issue. We have included a paper ballot for mailing but you can also vote online on the SHOT website. There will also be a later election for a new Executive Secretary to replace me and we will keep you informed about this election via the SHOT website.

I hope you enjoy the summer, and I look forward to seeing you in Portland in October. As always, please email me (SHOTSecy@virginia.edu) if you have any questions or concerns.

*Bernie Carlson
Executive Secretary*

SHOT
Portland Meeting
10 October - 13 October 2013

PROGRAM OVERVIEW

Unless otherwise noted, all events will take place in the Holiday Inn by the Bay.

Thursday, 10 October

- | | |
|-------------------|--|
| 8 AM - 5 PM | Executive Council Meeting (open to all members)
Regency Hotel, 20 Milk St., Portland |
| 8.30 AM - 4.30 PM | Tour of Sappi Paper Mill, New Balance Running Shoe Factory,
Maine Leaf-peeping |
| 6 - 7 PM | Opening Plenary, "The Multiple Histories of Technology:
Opportunities and Challenges" |
| 7 - 9 PM | Reception, <i>Victoria Mansion</i> (Three blocks from the Holiday Inn) |

Friday, 11 October

- | | |
|---------------------|--|
| 7 - 8.30 AM | Breakfast
*Graduate Student Breakfast (please register in advance)
*International Scholars Breakfast (by invitation only) |
| 8.30 AM - 5 PM | Book Exhibit |
| 8.30 - 10 AM | Sessions |
| 10 - 10.30 AM | Coffee break |
| 10.30 AM - 12.30 PM | Sessions |
| 10.30 AM - 12.30 PM | Tour of Shipyard Brewing Company |
| 12.30 - 2 PM | Lunch
* <i>Technology and Culture</i> Editor's Lunch (by invitation only)
*Computers, Information, and Society SIG
*EDITH
*Prometheans SIG |
| 2 - 3.30 PM | Sessions
Sidney Edelstein Book Prize Roundtable |
| 2 - 6 PM | Tour of Bath Iron Works |
| 3.30 - 4 PM | Coffee break |
| 4 - 5.30 PM | Plenary Lecture by the 2013 Recipient of the da Vinci Medal, <i>Ballroom</i> |
| 5.30 - 7 PM | TEMSIG: Cocktails at the Lobby Bar |
| 6.30 - 9.30 PM | Harbor Cruise and Lobster Roll Picnic |
| 9 - Midnight | Hospitality Suite |

Saturday, 12 October

7 - 8.30 AM	Breakfast *Envirotech SIG Breakfast *Asia Network
8.30 AM - 5 PM	Book Exhibit
8.30 - 10 AM	Sessions
10 - 10.30 AM	Coffee break
10.30 AM - 12.30 PM	Sessions
10.30 AM - 1 PM	Walking Food Tour of Portland
12.30 - 2 PM	Lunches: *Members' Meeting (all welcome) *Mercurians and Jovians SIG *Women in Technological History (WITH)
2 - 3.30 PM	Sessions
2 - 4.30 PM	Tour of Maine Narrow Gauge Railroad Museum and Steam Train Ride
3.30 - 4 PM	Coffee break
4 - 5.30 PM	Sessions
5.30 - 6.30 PM	Concluding Plenary, SHOT in a Changing Global Environment SMiTing SIG: Cocktails at the Lobby Bar
7 - 8 PM	Cocktail Reception
8 - 10 PM	Awards Banquet
10 - Midnight	Hospitality Suite

Sunday, 13 October

9 AM - NOON	Albatrosses: Informal breakfast and roundtable Prometheans: Roundtable on How Should We Teach the History of Technology
9 AM - 6 PM	Computers, Information and Society SIG: Workshop on Old Ideas: Recomputing the History of Information Technology

EVENTS AT THE ANNUAL MEETING

We will be meeting in Portland at the Holiday Inn by the Bay which is located on the west end of the downtown, across the street from the Art Museum and a five-minute walk to downtown restaurants, pubs, and shops.

Please note that just as we did in Tacoma and Cleveland, we will be providing a **free continental breakfast** for all participants on **Friday** and **Saturday** morning.

Executive Council Meeting

The Executive Council will meet from 8.30 AM to 5 PM on **Thursday**. The meeting will NOT be held in the Holiday Inn but rather the Regency Hotel, 20 Milk Street, Portland. The Regency is about a ten-minute walk from the Holiday Inn. All members are welcome to sit in on all or part of this meeting.

Opening Plenary and Reception

Our annual meeting will kick off with a special plenary session on **Thursday** night at 6 PM on “The Multiple Histories of Technology: Opportunities and Challenges.” Following the plenary, the action moves to the Victoria Mansion, a stunning 19th century home which will give you a sense of historic Portland. There is a modest fee for this event (**\$10**), and please indicate on the registration form if you are planning to attend. Note that space is strictly limited at the Victoria Mansion, and so you should register early for this event.

Graduate Student Breakfast

SHOT prides itself on being open and welcoming to new participants, especially graduate students. On **Friday** at 7 AM, currently-enrolled graduate students are cordially invited to breakfast in order to meet the

Society’s officers. This continental breakfast will offer graduate students a chance to meet each other, to learn about SHOT programs (including prizes and fellowships), and to find out about SHOT’s journal, Technology and Culture. This breakfast is free for currently-enrolled graduate students (please do not sign up if you are not eligible for this category). You **must** register for this event in order to attend as this event always fills up; please indicate your attendance on the registration form.

International Scholars Breakfast

A key way that SHOT reaches out to historians of technology around the world is through its International Scholars program. Each incoming annual “class” of International Scholars is formally introduced at the Awards Banquet but to welcome them more personally, SHOT holds a breakfast for them each year. This year’s breakfast will be held on **Friday** at 7 AM. If you are a new or former International Scholar (or a member of the Internationalization Committee), please let Honghong Tinn (hhtinn@gmail.com) know by **10 September** if you will be attending this breakfast.

Harbor Cruise and Lobster Roll Picnic

After a busy day of attending sessions, there's nothing better than getting out of the hotel for a bit of fresh air. Consequently, on **Friday** from 6.30 to 9.30 PM, we would like to invite you on a three-hour cruise around Casco Bay to see the islands and the sunset. We will be sailing with Casco Bay Lines on the Bay Mist, and the menu will include hot hors d'oeuvres, a station for making your own yummy lobster rolls, and dessert. A cash bar for beer and wine will be available. The cost for the cruise and picnic will be **\$55 per person**. Because seating is

limited on the boat, you will want to sign up early for this unique event!

Members' Meeting

Are you interested in finding out about new SHOT initiatives? Thinking about volunteering to serve on one of the Society's committees? If so, then please join us for the Members' Meeting which will be held on **Saturday**, 12 October at 12.30 PM.

Awards Banquet

On **Saturday** at 7 PM, SHOT invites you to attend the annual Awards Banquet to be held in the Ballroom of the Holiday Inn. The Awards Banquet is a wonderful opportunity to enjoy an evening with old and new friends, to show our appreciation to SHOT's many volunteers, and to honor the recipients of our prizes and fellowships.

The festivities will include a cocktail reception (cash bar), dinner, and a streamlined awards ceremony. The banquet buffet will offer roast pork, baked salmon, and chicken picatta; if you have special dietary needs, please contact Jane Carlson (SHOT@virginia.edu) in advance of the meeting. Following the ceremony, we will retire to the Hospitality Suite for conversation and refreshments. Tickets are **\$40 per person**, and please sign up for the banquet on the registration form. Please note the space for telling us if you will be accompanied by a spouse or guest.

Program Advertising and Book Exhibit

As always, we welcome publishers who wish to exhibit books in Portland, advertise in the SHOT program, or provide inserts for the registration packet. We will also have a table near SHOT registration where individual books can be displayed for a fee. For more information about any of these services, please contact Jane Carlson (SHOT@virginia.edu).

Audio-Visual Equipment

At the Holiday Inn, each session room will be equipped with a digital projector and screen. Speakers planning to use PowerPoint should make sure that they (or someone on their panel) will have a laptop that can connect to the digital projector. Be sure to bring the cable that connects your particular computer to a computer projector.

The Holiday Inn has indicated that we should have free Wifi service throughout the building during the conference, and we will provide details about logging on in the registration pack. If you will need a wired connection to the World Wide Web for your presentation, please let Bernie Carlson (SHOTsecy@virginia.edu) know as soon as possible so that he can make arrangements with the A-V support staff.

We hope that you find these events exciting and that you will be joining us in Portland. Because the tours are always very popular and sell out quickly, you may want to register as soon as possible in order to avoid missing out.

ONLINE REGISTRATION

Once again, we are pleased to be able to offer our attendees **online registration**. The online registration form mimics the paper form found elsewhere in this Newsletter. A link to online registration can be found at http://www.historyoftechnology.org/annual_meeting.html.

When you register online, you will need to pay SHOT by using PayPal, a secure on-line banking service. After you have completed and submitted the online registration form, you will automatically be taken to PayPal. Once there, you will have the option of paying with a credit card or a PayPal account.

After you make a payment, PayPal will transfer the money to the SHOT Annual Meeting checking account. At no point will the Secretary's Office see your bank or credit card details.

If you wish to register on line but need to make special arrangements for payment (e.g., you want to pay in cash or need to delay payment because you are coming from overseas), please contact Jane Carlson (SHOT@virginia.edu) **before** you register on line.

If you do not wish to register online, you are welcome to mail or fax the printed registration form back to us. As we did last year, we are using a Post Office box for the annual meeting registration; this is to avoid delays that occasionally crop up with mail deliveries at UVa. Please note that **we cannot process registrations sent to us by email**; this is to protect your credit card details that can be intercepted on the Internet.

In filling out the form, please **print clearly** so that we can process your registration promptly. It is especially important that we can read your credit card number, phone number, and email address. *If you register as a SHOT member, please be sure that your SHOT membership is current or we will charge you at the non-member rates.* You can pay by credit card (Visa or Mastercard) or by a check made payable to the Society for the History of Technology.

If you are mailing your registration, please use this address:

SHOT
Annual Meeting
PO Box 577
Earlysville, VA 22936
USA

Or fax your registration to 434.975.2190

The deadline for regular registration is **10 September 2013**. *If you are on the program*, you must register

by **15 September** to *guarantee your place*; after that date, you will no longer be listed in the program. The SHOT office will confirm your registration by email and provide a printed receipt when you collect your conference packet in Portland.

SIG EVENTS IN PORTLAND

The **Albatrosses**, whose interests cover all things related to aviation and aerospace, will have an informal breakfast on **Sunday** morning at 9 AM followed by its annual roundtable session highlighting the current research of grad students and young scholars. If you are interested in presenting your work, please send a short email message to Debbie Douglas (ddouglas@mit.edu). The breakfast will be held in the restaurant in the Holiday Inn by the Bay. To join the Albatrosses email list, send a short message to Robert Ferguson (rob@furglu.com).

To promote scholarship on Asian topics and to encourage historians from Asia to participate in our activities, SHOT members have organized the **Asia Network**. In Portland, network members will have a meeting over breakfast on **Saturday**, 12 October at 7 AM. Since the breakfast will include fresh sliced fruit along with the usual continental breakfast, it will cost **\$5**; please indicate on the registration form if you are planning to attend. For more information on the group, visit <http://groups.google.com/group/SHOTsigAsia> or contact Honghong Tinn at hhtinn@gmail.com.

The SIG on **Computers, Information and Society** (SIGCIS) will have a lunch on **Friday** at 12.30 at the Holiday Inn. The charge for lunch will be **\$26** for regular delegates and **\$13** for graduate students (thanks to support from the SIG). SIGCIS is also organizing a daylong workshop on Sunday on "Old Ideas: Recomputing the History of Information

Technology." For more details about the Sunday workshop, please visit www.sigcis.org/workshop13. *Note that if you are planning to attend this workshop, you must register for the SHOT meeting and indicate on the registration form that you will be attending this event on Sunday.* If you are attending only the workshop on **Sunday** and not the rest of the SHOT meeting, please contact Bernie Carlson (SHOTSecy@virginia.edu) to discuss registration.

EDITH (Exploring Diversity in Technology's History) supports both scholars and scholarship currently underrepresented in the history of technology and SHOT. In Portland, they will meet on **Friday** over lunch. People interested in coming to lunch should meet Tisha Hooks and Anna Åberg in the lobby of Holiday Inn (near the registration desk) at 12.30 PM to walk to a local restaurant. Each person will pay individually. For more information about this group and its plans, please email Anna Åberg (anna.aberg@abe.kth.se), Amy Bix (abix@iastate.edu), or Tisha Hooks (tisha.hooks@yale.edu).

Envirotech will hold a breakfast meeting on **Saturday** morning at 7.30 AM in the Holiday Inn. There is no charge for this breakfast, but please indicate on the registration form if you plan to attend. For more information about the group, contact Chris Jones (christopherfjones@gmail.com).

The **Jovians** (electrical history) and the **Mercurians** (communications) will hold their traditional joint lunch-time meeting on **Saturday**. People interested in coming to lunch should meet Andy Butrica and Jonathan Coopersmith in the lobby of Holiday Inn (near the registration desk) at 12.30 PM to walk to a local restaurant. Each person will pay individually.

This year, the **Prometheans** (SHOT's Engineering SIG) will be holding a **half-day** workshop on **Sunday** on "How Should We Teach the History of Technology?" and the details for this workshop can be found with the program listing in this newsletter. *Note that if you are planning to attend this workshop, you must register for the SHOT meeting.* If you are only attending the Workshop on **Sunday** and not the rest of the SHOT meeting, please contact Bernie Carlson (SHOTSecy@virginia.edu) to discuss registration. Meanwhile, the group's **annual business meeting** will take place on **Friday** during lunch at a location to be determined. They will gather in the lobby of Holiday Inn (near the registration desk) at 12.30 PM to walk to a local restaurant. Each person will pay individually. Please email Atsushi Akera (akeraa@rpi.edu) if you plan to attend this lunch.

SMITInG, the SHOT Military Technology Interest Group, will convene over drinks at 5:30 PM on **Saturday** 12 October in the lobby bar of the Holiday Inn. For more information, please contact Bart Hacker (hackerb@si.edu).

TEMSIG, the museum group, will meet for cocktails at 5:30 PM on **Friday** 11 October in the lobby bar of the Holiday Inn. The group is also organizing an excursion to **Maine Narrow Gauge Railroad** Museum on **Saturday** and details can be found in the Tours section of the Newsletter. If you have any questions or wish to be added to the TEMSIG listserv, please contact co-chairs Allison Marsh (marsha@mailbox.sc.edu) or Eric Nystrom (eric.nystrom@rit.edu).

Women in Technological History (WITH) will meet over lunch on **Saturday**, 12 October at 12.30 PM at the Holiday Inn. The cost of the lunch will be **\$26** for members and **\$13** for graduate students and underemployed scholars (thanks to support from the SIG). Please indicate on the registration form if you are planning to attend this lunch. For more information about WITH, please contact Geoff Zylstra (gzylstra@citytech.cuny.edu).

SHOT
Portland Meeting
10 - 13 October 2013

PRELIMINARY PROGRAM

as of 8 July 2013

THURSDAY, 10 OCTOBER

6 - 7 PM

The Multiple Histories of Technology: Opportunities and Challenges

Opening Plenary

Chair: **Bruce Seely** (Michigan Technological University)

Panelists:

Mara Mills (New York University)

Scott Knowles (Drexel University)

William Storey (Millsaps College)

Jenny Smith (Georgia Tech)

Discussion: **By the Audience**

FRIDAY, 11 OCTOBER

8.30 - 10 AM

Interdisciplinarity and the History of Technology: Why Diversity Matters

President's Roundtable

Organizers: **Anke Ortlepp** (Ludwig-Maximilians-University) and **Chandra Bhimull** (Colby College)

Anke Ortlepp (Ludwig-Maximilians-University)

Chandra Bhimull (Colby College)

Martin Collins (National Air and Space Museum)

Phil Tiemeyer (Philadelphia University)

Jennifer C. Reut (American Historical Association)

The Nature of Risk: Envirotech Approaches to Accidents

Organizer: **Peter Soppelsa** (University of Oklahoma)

Chair: **Thomas Zeller** (University of Maryland)

Commentator: **Scott Knowles** (Drexel University)

Peter Soppelsa (University of Oklahoma): Water and Electric Railway Accidents in Paris around 1900

Brian R. Jacobson (University of St. Andrews): Film and the Politics of Infrastructural Visibility: Total's Risky Images of North Sea Drilling

Davide Orsini (University of Michigan): Accidents and Risk Perception: A Historical Analysis of 'Civic Dislocation' in the Archipelago of La Maddalena (Italy, 2003)

Symbolic Power and Technological Display

Chair & Commentator: **Audra J. Wolfe** (Independent Scholar, Philadelphia)

Daniel Macfarlane (Michigan State University) [**Robinson Prize Candidate**]: Nation-Building: The Creation of the St. Lawrence Seaway and Power Project

Natalia Nikiforova (St. Petersburg National Research University of Information Technologies, Mechanics, and Optics) [**Robinson Prize Candidate**]: Court Holidays Electrified: Technological Novelties in Russian Palaces of the 19th Century

Petar G. Markovski (University of Oklahoma) [**Robinson Prize Candidate**]: Arnold Frutkin and the Rhetoric of Cooperation in Space: Transnational Discourse in Space Exploration at NASA, 1959–1979

Engineers as Reflective Practitioners: Idealistic, Predictive, and Innovative Selves

Sponsored by the Prometheans

Organizer: **Adelheid Voskuhl** (University of Pennsylvania)

Chair: **Ron Kline** (Cornell University)

Commentator: **Cyrus Mody** (Rice University)

Adelheid Voskuhl (University of Pennsylvania): Industry and Philosophy: Engineers' Abstraction and Reflection on Technology, Epistemology, and Culture in 1920s Germany

Matthew Wisnioski (Virginia Tech): Be an Innovation Millionaire! Innovation Expertise as Self-Help in the Post-Vietnam Era

Ann Johnson (University of South Carolina): Cultures of Prediction in Engineering: The Rational, the Complex, and the Human

Spatial Exploration

Chair & Commentator: **Eda Kranakis** (University of Ottawa)

Marionne Cronin (University of Aberdeen): Technological Heroes: Polar Aviation and Masculine Heroism

Felipe Fernandes Cruz (University of Texas at Austin) [**Robinson Prize Candidate**]: Sailing West in Brazil's Aerial Ocean: Air-mindedness and Frontier Expansion

Jonathan Crylen (University of Iowa) [**Robinson Prize Candidate**]: Expanding Oceans, Expanded Screens: Deep-Sea Exploration and the IMAX Experience

FRIDAY, 11 OCTOBER**10.30 AM - 12.30 PM*****Cultures of Use: Histories of Technology Beyond Invention and Innovation***

President's Roundtable

Organizers: **Arwen Mohun** (University of Delaware) and **Mats Fridlund** (University of Gothenburg)Chair: **David Nye** (University of Southern Denmark)**Aaron Alcorn** (Independent Scholar)**Francesca Bray** (University of Edinburgh)**Mats Fridlund** (University of Gothenburg)**Tisha Hooks** (Yale University)**Arwen Mohun** (University of Delaware)**William Storey** (Millsaps College)***Expertise, Efficiency, Entertainment? Educational Technology in the United States, 1930–2000***Organizer & Chair: **Victoria Cain** (Northeastern University)Commentator: **Amy Slaton** (Drexel University)**Victoria Cain** (New York University) [**Robinson Prize Candidate**]: Constructing Teachers Through Technology, 1930–1960**Malgorzata Rymaska-Pawloska** (Eastern Illinois University) [**Robinson Prize Candidate**]: Feeling the Past: Interactive Technology, Corporate Sponsorship, and History Exhibition in the 1970s**Meryl Alper** (University of Southern California) [**Robinson Prize Candidate**]: 'Can Our Kids Hack It With Computers?': Making Hacking "Family-Friendly," 1983–1987**Rebecca Onion** (Philadelphia Area Center for History of Science) [**Robinson Prize Candidate**]: Playing the Environment: Advocacy and Web-Based Video Games in Contemporary American Children's Culture***Object Lessons," or, Learning from Artifacts in the History of Technology***Organizer & Commentator: **Joseph Corn** (Stanford University [emeritus])Chair: **Allison Marsh** (University of South Carolina)**Deborah Douglas** (MIT Museum): Countless Connecting Threads: New Insights from MIT's Material Culture**Carlene Stephens** (Smithsonian National Museum of American History): 'Hear My Voice': Learning from Alexander Graham Bell's Volta Laboratory Sound Recordings**Eric Nystrom** (Rochester Institute of Technology) [**Robinson Prize Candidate**]: Message in a Model: Mining on Display at the U.S. National Museum, 1910s–1940s**Emily Margolis** (Johns Hopkins University) [**Robinson Prize Candidate**]: Atomic Deliveryman on Display: The Enola Gay and American Understanding of the Hiroshima Bombing

Analog History: The Forgotten Post-WWII World of Analog Computing

Sponsored by SIGCIS

Organizer & Commentator: **Thomas Haigh** (University of Wisconsin, Milwaukee)

Chair: **JoAnne Yates** (Massachusetts Institute of Technology)

David Brock (Chemical Heritage Foundation): Oil Exploration, Automation, and Bits: Pasadena Chemical Instrumentation Firms and the Electronic Computer Industry in the 1950s

David Hemmendinger (Union College): COMIC: An Analog Computer in the Colorant Industry

Chuck House (InnovaScapes Institute): Digitizing Measurements: A Difficult Transition for Instrument Companies?

Peter Sachs Collopy (University of Pennsylvania): Digitizing Video: Synthesis, Computerization, and Experimental Art

Replacing Nature? Technologies for Health

Organizer: **Melanie Kiechle** (Virginia Tech)

Chair & Commentator: **Eric Boyle** (National Museum of Health and Medicine)

Melanie Kiechle (Virginia Tech) [**Robinson Prize Candidate**]: ‘Nature’s Great Disinfectant, Prophylactic, Curative, Stimulant, and Sedative’: Ozone Generators and Personal Provisions for Health

Meghan Crnic (University of Pennsylvania) [**Robinson Prize Candidate**]: Children in the Sun? UV Lamps as Technology of Nature, 1900–1930

Johanna Conterio (Harvard University) [**Robinson Prize Candidate**]: From the Steppe to the Lab: Bacillus Orenburgi and the Development of Lab-Based Yogurt Production for Medical Therapy in the USSR, 1920s

Matthew Lavine (Mississippi State University) [**Robinson Prize Candidate**]: ‘Something Is Missing in the Water!’: Consumer Technologies as the Cause and Cure of Dissatisfaction with Municipal Water in the Early Twentieth Century

Postwar Memory of War Technology: German, Japan, and the US

Organizer: **Hiromi Mizuno** (University of Minnesota)

Chair: **Mark Walker** (Union College)

Commentator: **Laura Hein** (Northwestern University)

Eric Katz (New Jersey Institute of Technology) [**Robinson Prize Candidate**]: Technology, Environment, and the Swastika: Narratives of Domination

David K. Hecht (Bowdoin College) [**Robinson Prize Candidate**]: Of Pyrrhic Victories and Pesticides: The Case of DDT

Takashi Nishiyama (State University of New York, Brockport): Remembering Kamikaze Air Wars for America, 1941–1963

Hiromi Mizuno (University of Minnesota) [**Robinson Prize Candidate**]: Pacifist Japan Remembers War Technology: Popular Culture, Nostalgia, and Technocracy

Salvage: Reuse and Repurposing in the History of Technology

Organizer & Chair: **Hanna Rose Shell** (Massachusetts Institute of Technology)

Commentator: **Merritt Roe Smith** (Massachusetts Institute of Technology)

Finn Arne Jørgensen (Umeå University): Build-It-Yourself to Pre-Built: Salvage Practices in Norwegian Leisure Cabin Construction

Hanna Rose Shell (Massachusetts Institute of Technology): Shoddy Technology: Wool Salvage and Textile Repurposing in the West Yorkshire Heavy Woolen District

Carl Zimring (Pratt Institute): Toward a History of Upcycling: Reconsidering High-End Aluminum Reuse Since World War II

David Lucsko (Auburn University): 'A1 Arizona Rust-Free Parts': Specialty Automotive Junkyards in an Age of Streamlined Salvage

FRIDAY, 11 OCTOBER**2 - 3.30 PM*****Sidney Edelstein Book Prize Roundtable*****The 2013 Winner will be announced later this summer**

Roundtable Panelists:

Ruth Oldenziel (Eindhoven Technical University)**Howard Segal** (University of Maine)**Christina Cogdell** (University of California, Davis)Respondent: **2013 Winner*****Into the Real World: Historians and Public Policy***

President's Roundtable

Organizer & Chair: **Jonathan Coopersmith** (Texas A&M University)**Patrick McCray** (University of California, Santa Barbara)**Roger Launius** (Smithsonian Institution)**Jennifer Light** (Northwestern University)**Christopher Jones** (Arizona State University)**Richard Hirsch** (Virginia Tech)

Managing the Life Sciences: Systems, Organizations, and Controls

Organizer: **Robin Scheffler** (Yale University)

Chair: **Nathan Ensmenger** (Indiana University)

Commentator: **JoAnne Yates** (MIT)

Jason Oakes (University of Pennsylvania) [**Robinson Prize Candidate**]: Sums of Money and the Satisfaction of Human Wants: Organization and Technique at Metropolitan Life and the Institute for Biological Research

Marcia E. Holmes (University of Chicago) [**Robinson Prize Candidate**]: ‘Man-Machine Systems’ Under Stress: The RAND Corporation Air Defense Experiments and the System Training Program

Robin Scheffler (Yale University) [**Robinson Prize Candidate**]: Managing Biomedical Futures: Origins and Legacy of the Special Virus Leukemia Program

Gender and Computing: International Perspectives

Sponsored by SIGCIS

Organizers: **Corinna Schlombs** (Rochester Institute of Technology) and **Marie Hicks** (Illinois Institute of Technology)

Chair: **Janet Abbate** (Virginia Polytechnic Institute)

Commentator: **Laine Nooney** (Stony Brook University)

Corinna Schlombs (Rochester Institute of Technology): Built on the Hands of Women: Office Automation and Women’s Work

Marie Hicks (Illinois Institute of Technology): The Invisible Logic of Technocracy: Feminization, Reskilling, and Governance in British Computing, 1944-1979

Helena Durnova (Masaryk University): Did Gender Not Matter? Lives of Prominent Female Programmers in Czechoslovakia

Enhanced Detection

Chair & Commentator: **TBA**

E. Prasad Venagopul (University of Detroit Mercy) [**Robinson Prize Candidate**]: Sniffer Dogs: The Social Construction of a Sense-Enhancing Technology

Rachel Elder (University of Pennsylvania) [**Robinson Prize Candidate**]: Subclinical Sublime: EEG, Detection, and the Technological Romance with the Elusive Brain, 1935-1955

Layne Karafantis (Johns Hopkins University) [**Robinson Prize Candidate**]: “Transformed Science Fiction into Reality”: The Innovation of NASA’s Mission Control Operations Room

Contested Symbols of Production

Chair & Commentator: **Tiago Saravia** (Drexel University)

Sarah Stanford-McIntyre (College of William and Mary) [**Robinson Prize Candidate**]: Towers of Debt and Resistance: Grain Elevators in the Southern Plains Landscape

Adam Plaiss (Northwestern University): Enforcing the Natural Laws of Technology: Utility Monopolies and Regulation in Progressive Era America

Adam Lucas (University of Wollongong): Ecclesiastical Entrepreneurship and Industry in High-Medieval England

Food, Culture, and the Senses: Technological Innovation and Scientific Research in the United States, 1930–2000

Organizer: **Gabriella M. Petrick** (George Mason University)

Commentator & Chair: **Jason D. Martinek** (New Jersey City University)

Audrey Russek (Gustavus Adolphus College): A Breath of Fresh Air? Technologies of Odor Removal in American Restaurants, 1920-1960

Gerard J. Fitzgerald (George Mason University): Technological Tenderness: Rentscherlization and Application of Ultraviolet Irradiation to Industrial Food Production in the United States, 1935-1950

Gabriella M. Petrick (George Mason University): ‘Discovering’ Umami: Culture, Technology, and the Science of Taste

FRIDAY, 5 OCTOBER

4 - 5.30 PM

Plenary Session: da Vinci Prize Lecture

The 2013 recipient will be announced in the final printed program.

SATURDAY, 12 OCTOBER

8.30 - 10 AM

Materiality and the History of Technology

President’s Roundtable

Chair: Yves Cohen (L’École des Hautes Études en Sciences Sociales)

Panelists:

Martin Collins (National Air and Space Museum)

Darla Thompson (Cornell University)

Dagmar Schaefer (University of Manchester)

Sara Pritchard (Cornell University)

Shifting Cultures and Transforming Identities: Alternative Bodies/Technologies in Other-Abled and Gendered Communities

Sponsored by EDITH

Organizer: **Pamela Edwards** (Shepherd University)

Chair: **Nina Lerman** (Whitman College)

Commentator: **Geoff D. Zylstra** (City University of New York)

Anna Åberg (Royal Institute of Technology): ‘The Dawning of the Cyborg Has Arrived’: Creating and Interpreting a Bionic Arm

Pamela C. Edwards (Shepherd University): LezTech: Alternative Cultures & Feminist Technologies in the Women’s Movement

Josephine Krieg (Independent Scholar) [**Robinson Prize Candidate**]: Trans(gender) Medical Technologies: A Socio-Political Historiography of Their Development, Implementation, and Cultural Conception

Computers for What?

Chair and Commentator: **Lars Heide** (Copenhagen Business School)

Irina Nikiforova (Higher School of Economics): Evaluating Technical Contributions in Computing: Peer Review and the Challenges Faced by ACM Scientists and Engineers

Chigusa Kita (Kansai University): Governmental Role, Universities, and Users' Demand for Scientific Computing in Japan, 1963-1970

Andrea Satori (University of Florence) [**Robinson Prize Candidate**]: Histories of Digitization: A Multiple Narrative Approach to Technological Innovation in Cultural Heritage

Technoculture

Chair & Commentator: **Matthew Wisnioski** (Virginia Tech)

Dustin A. Abnet (Indiana University) [**Robinson Prize Candidate**]: Preserving American Innocence: Children, Robots, and the National Security State in Cold War America

Thomas Wieland (Munich Center for the History of Science and Technology): 'Living Prototypes—the Key to New Technology': The Cold War Origins of Bionics

Frode Weium (Norwegian Museum of Science and Technology) [**Robinson Prize Candidate**]: Music for Engineers: Electronic Musical Instruments as Part of a Technical Culture

Bodies in Motion: Designing Movement in an Age of High Technology

Organizer: **Whitney Laemml** (University of Pennsylvania)

Commentator and Chair: **Jennifer Karns Alexander** (University of Minnesota)

Matthew H. Hersch (University of Pennsylvania): Spacewalks, Moonwalks, and the Choreography of Cosmic Exploration

Bess Williamson (School of the Art Institute of Chicago): Historical Ergonomics: Measuring Bodies for Design, 1920s-1940s

Whitney Laemml (University of Pennsylvania): Freezing Form: Human Movement Notation in 1940s America

Knowledge in Practice

Chair and Commentator: **TBA**

Atsushi Akera (Rensselaer Polytechnic Institute): Billy Vaughn Koen and the Personalized System of Instruction in Engineering Education

Joyman Lee (University of Missouri, St. Louis) [**Robinson Prize Candidate**]: Technologies of Information: Sino-Japanese Transfers in Institutions and Industrial Policy, 1900-1940

Leslie Tomory (McGill University): The London Water Supply Industry and the Industrial Revolution

Once Upon a Time

Chair and Commentator: **TBA**

Katherine McFadden (University of South Carolina) [**Robinson Prize Candidate**]: From Cars to Cars: Industry Innovation in Computer Graphics

William Rankin (Yale University) [**Robinson Prize Candidate**]: Technoglobalism Before GPS: Geographic Universalism and the Teleology of Satellite Navigation

Peter Schaefer (Marymount Manhattan College): Inventing Network Neutrality, 1973-1985

SATURDAY, 12 OCTOBER

10.30 AM - 12.30 PM

Integrating SHOT SIG Concerns into the Teaching of History of Technology: Rethinking Modes of Instruction in a Diverse Communities

President's Roundtable

Organizers: **Honghong Tinn** (National University of Singapore) and Francesca Bray (University of Edinburgh)

Chair: **Ann Johnson** (University of South Carolina)

Anna Åberg (Royal Institute of Technology)

Gregory Clancey (National University of Singapore)

Marie Hicks (Illinois Institute of Technology)

Ann Johnson (University of South Carolina)

Geoff D. Zylstra (City University of New York)

Contested Social Infrastructures

Chair & Commentator: **TBA**

Har Ye Kan (Harvard University Graduate School of Design): Negotiating a Balkanized City: Electric Trams in Urban Shanghai, 1908-1937

Robin Kellermann (University of Technology Berlin) [**Robinson Prize Candidate**]: Do Infrastructures Talk Politics? Flyovers as Hybrid Agents of Paradox, Political Legitimation, and Urban Change in South Indian Hyderabad

Eric Hardy (Loyola University, New Orleans) [**Robinson Prize Candidate**]: Don't Flush on Me: Water Pollution, Policy, and Protest in the City of Atlanta, 1990-1998

Victor Marquez (Cornell University): 'Viewports': Bringing Out the Fuzzy Zone Between Users and Technological Systems

Regulatory Strategies

Chair & Commentator: **TBA**

Johannes Eijmberts (Northeastern University): Governing New Technology: A Comparative Analysis of Government Support for Nanotechnology in the Netherlands and the United States

David Pretel (European University Institute [Florence]) [**Robinson Prize Candidate**]: The Organization of Patenting in Late-19th-Century Spain

Stathis Araposthatis (University of Athens): Governing Rivers, Expertise, and Technological Battles in Greece, 1960-2010: The Case of Acheloos River

Sean Seyer (Auburn University) [**Robinson Prize Candidate**]: The Automobile, the Airplane, and the Constitution: Charles T. Terry, William P. MacCracken, Jr. and the Regulation of Emerging Technologies

Ocular Regimes

Chair & Commentator: **Andreas Fickers** (University of Maastricht)

Heloise Finch-Boyer (National Maritime Museum, UK) [**Robinson Prize Candidate**]: Pioneers or Pirates? International Innovation vs. British Government Authority in the Development of Electronic Sea Charts, 1975-2000

Lan Xuan Le (University of California, Santa Barbara) [**Robinson Prize Candidate**]: Scanners and the History of Technologized Vision

Luke Stadel (Northwestern University) [**Robinson Prize Candidate**]: Two-Way Television and the Media Interface

Marissa Petrou (University of California, Los Angeles) [**Robinson Prize Candidate**]: Reduction and Reproduction: Anthropological Imaging Techniques in the Kaiserreich

History, Memory, and Nuclear Controversies

Chair & Commentator: **Paul Josephson** (Colby College)

Per Högselius (Royal Institute of Technology): The 'Nuclear Renaissance' in Historical Perspective

Caroline R. Peyton (University of South Carolina) [**Robinson Prize Candidate**]: Pittsboro or Pripyat: Building a Nuclear Controversy in the U.S. South

Michael Schüring (Deutsches Museum) [**Robinson Prize Candidate**]: Memories of Want, Fears of Instability: Aspects of Historical Trauma in the West German Debate over Nuclear Technology, 1970-1990

Tatiana Kasperski (European Humanities University) and **Andrei Stsiapanau** (Mines ParisTech): The UnClear NuClear: Nuclear Politics and Controversies in Russia, Belarus, and Lithuania in the 21st Century

Lay Expertise

Chair & Commentator: **Wendy Kline** (University of Cincinnati)

James Risk (University of South Carolina) [**Robinson Prize Candidate**]: Lemuel Moody and the Portland Observatory: A Case Study of Knowledge Production and Transfer in the Early United States

Royline Williams-Fontenelle (University of Oklahoma) [**Robinson Prize Candidate**]: Slave Houses, Slave Ingenuity, and the Antigua Sugar Plantation, 1770-1843

Chen-Pang Yeang and **Chris Conway** (University of Toronto): Organizing Hobbyists' Experiments: From Ham Radio to Homebrew Computers

Timothy Minella (University of South Carolina) [**Robinson Prize Candidate**]: The Republic of Farmers: Technology and Agriculture in the Early United States

SATURDAY, 12 OCTOBER**2 - 3.30 PM*****Capitalism and NeoLiberalism***

President's Roundtable

Chair: **Richard Johns** (Columbia University)

Panelists:

Pascal Griset (Université Paris-Sorbonne)**Nina Wormbs** (Royal Institute of Technology)**Keith Breckenridge** (Wits Center for Social and Economic Research)**Toby Jones** (Rutgers University)***New Conceptual Toolkits***Chair and Commentator: **Ron Kline** (Cornell University)**Nathan Ensmenger** (Indiana University): Toward an Environmental History of Computing**Terje Finstad** (Norwegian University of Science and Technology): Naked Genes Humanizing Salmon: Reassembling a Natural Biotechnology in the Age of Publics**Greg Siegel** (University of California, Santa Barbara): Clues in the Wreckage: On the Forensic Utility of Catastrophes***Epistemologies of Information Management***Commentator & Chair: **Andrew Russell** (Stevens Institute of Technology)**Gemma Cirac Claveras** (Centre Alexander Koyré) [**Robinson Prize Candidate**]: From the Ground to Space (and Back Again): Some Epistemological Questions on the Fabrication of Satellite Data**Rachel Ivy Clarke** (University of Washington Information School) [**Robinson Prize Candidate**]: The Power of the Card Catalog: Affordances, Evolution, and Identity in American Librarianship**Craig Robertson** (Northeastern University): 'The Segregation and Housing of Various Records Not Bound': The Filing Cabinet and Early-20th-Century Information Work***Bodywork***Chair & Commentator: **Pamela Edwards** (Shepherd University)**Wendy Kline** (University of Cincinnati) [**Robinson Prize Candidate**]: Communicating a New Consciousness: Countercultural Print and Home Birth in the 1970s**Jesse Smith** (University of Pennsylvania) [**Robinson Prize Candidate**]: Dead Animals in the Zoo: The Philadelphia Zoo's Penrose Research Laboratory**Sahar Tavakoli** (University of Sydney) [**Robinson Prize Candidate**]: Medical Dressing for Injured Pride: The Hospital Gown in the Development of Patient-Doctor Relationships in Australia

Traveling in Style

Chair & Commentator: **Chandra Bhimull** (Colby College)

Blair Stein (University of Oklahoma) [**Robinson Prize Candidate**]: Northern Myths and Sun Destinations: Selling Technology and Winter Travel on the Canadair North Star, 1947-1955

Technological Enthusiasm

Chair & Commentator: **Michael Neufeld** (National Air and Space Museum)

Alison Kreitzer (University of Delaware) [**Robinson Prize Candidate**]: 'Speed Kings': African American Automobile Racing, 1924-1937

Steven Fino (Massachusetts Institute of Technology) [**Robinson Prize Candidate**]: Radars, Radios, and Recorders: The Evolving Technological Identity of the US Air Force Fighter Pilot, Korea to Vietnam

Josh Brinkman and **Richard Hirsch** (Virginia Tech): Historicizing the PIMBY ("Please in My Backyard") Phenomenon: The Welcoming Acceptance of Wind Turbines and the Culture of the Machine in the Rural Midwest

Technology and the Global Geographies of Modern North Africa and the Middle East

Organizer: **Tiago Saraiva** (Drexel University) and Lino Camprubi (Universidad Autónoma de Barcelona)

Chair: **Amy Slaton** (Drexel University)

Commentator: **Gabrielle Hecht** (University of Michigan)

Lino Camprubi (Universida Autónoma de Barcelona): Resource Geopolitics: Geophysics, the Cold War Phosphate Market, and the (Re)colonization of the Western Sahara

Sara Pritchard (Cornell University): Hydroimperialism and Hydrocapitalism: Irrigation Technologies in Algeria and Beyond

Tiago Saraiva (Drexel University): Cloning California: Oranges, Genetics, and the Californian Mediterranean

SATURDAY, 12 OCTOBER**4 - 5.30 PM*****The Computational Turn in the Histories of Technology***

President's Roundtable

Sponsored by SIGCIS

*Note to attendees: This is a practical workshop on the "digital humanities." Please bring a laptop.*Organizers: **Charles Berret** (Columbia University) and **Kevin Gotkin** (University of Pennsylvania)

Panelists:

Charles Berret (Columbia University)**Kevin Gotkin** (University of Pennsylvania)***Technological Ambiguities***Chair & Commentator: **TBA****Daniel Brandau** (Freie Universität Berlin) [**Robinson Prize Candidate**]: Rocket Controversies in the GDR Before and After Sputnik**Brittany Cowgill** (University of Cincinnati) [**Robinson Prize Candidate**]: Bringing the ICU Home: Home Apnea Monitors and SIDS in the United States**Philip R. Olson** (Virginia Tech) [**Robinson Prize Candidate**]: Flush and Bone: The Social Construction of Alkaline Hydrolysis in the U.S.***Visual Renditions***Chair & Commentator: **TBA****Meghan Chandler** (University of California, Irvine) [**Robinson Prize Candidate**]: Life in Plastic: Celluloid Acetate and Technologies of Preservation**Tony Liao** (Cornell University) and **Caroline S. Jack** (Cornell University) [**Robinson Prize Candidate**]: Historical Perspectives on Computing Technology in Contemporary Debates about Augmented Reality**Daniella Perry** (University of California, Los Angeles) [**Robinson Prize Candidate**]: Expert Testimonial Discourse in Early Video Game CD-Rom Technology***Author Meets Critics: Cosmopolitan Commons in Europe, edited by Nil Disco and Eda Kranakis***Organizers: **Nina Wormbs** and **Arne Kaijser** (Royal Institute of Technology)Chair: **Nina Wormbs** (Royal Institute of Technology)**Tom Misa** (University of Minnesota)**Karin Zachman** (Technical University)**Eda Kranakis** (University of Ottawa)**Arne Kaijser** (Royal Institute of Technology)**Håkon Witt Anderson** (Norwegian University of Science and Technology)

Circulating Expertise

Chair & Commentator: **Cyrus Mody** (Rice University)

Deanna Day (University of Pennsylvania): ‘As Modern as Tomorrow’: Toward a History of the Medicine Cabinet as Architectural Innovation and Ontological Category

Courtney Thompson (Yale University) [**Robinson Prize Candidate**]: Of Calipers and Criminals: Translating Phrenological Technology and Techniques into Late-19th-Century Criminal Science

Victoria Lee (Princeton University) [**Robinson Prize Candidate**]: Activate, Reconstitute, Redistribute: Nutritional Hopes for Japanese Fermentation Science, 1918-1945

Gaming the History of Technology

Sponsored by SIGCIS

Organizer: **Laine Nooney** (Stony Brook University) and **Jacob Gaboury** (New York University)

Chair: **Marie Hicks** (Illinois Institute of Technology)

Commentator: **TBA**

Jacob Gaboury (New York University) [**Robinson Prize Candidate**]: Image Objects: Early Experiments in 3D Computer Graphics

Laine Nooney (Stony Brook University): Competition or Camaraderie? A Cultural History of the Early 1980s West Coast Microcomputer Game Software Industry

Raiford Guins (Stony Brook University): Design and Designation: The History of a Curious Appellation for an Analog Computer Tennis Simulation (Or, How Brookhaven National Laboratory’s Tennis Programming No. EH1-900-1-3 aka Tennis for Two Got Its Name)

Before the Consumption Junction: Communicating New Communication Technologies

Organizer: **Alexander B. Magoun** (IEEE History Center) and **Anne-Katrin Weber** (University of Lausanne)

Chair: **Robert Friedel** (University of Maryland, College Park)

Commentator: **Mara Mills** (New York University)

David Hochfelder (University at Albany, SUNY): Spectacle and Innovation: The Case of Morse’s Telegraph

Alexander B. Magoun (IEEE History Center): The Assumption Junction: How the Public Knew What It Knew about Wireless, 1907-1912

Anne-Katrin Weber (University of Lausanne) [**Robinson Prize Candidate**]: Spectacular Displays: The Exhibition of Television Around 1930

SATURDAY, 12 OCTOBER

5.30 - 6.30 PM

SHOT in a Changing Global Environment

Concluding Plenary

Chair: **Bruce Seely** (Michigan Technological University)

Panelists:

Atsushi Akera (Rensselaer Polytechnic Institute)

Gabrielle Hecht (University of Michigan)

Finn Arne Jørgensen (Umeå University)

Hans Weinberger (Norsk Museum)

SUNDAY, 13 OCTOBER

9 AM - 6 PM

Workshop on Old Ideas: Recomputing the History of Information Technology

Sponsored by CISSIG

The program will be announced on the CISSIG website over the summer; please visit <http://www.sigcis.org/workshop13>.

How Should We Teach the History of Technology?

A Roundtable on Education

Sponsored by the Prometheans

Organized by **Atsushi Akera** (Rensselaer Polytechnic Institute)

9 - 9.15 AM

Welcome and Opening Remarks

Atsushi Akera (Rensselaer Polytechnic Institute)

9.15 AM ROUNDTABLE DISCUSSION I: VOIDS, OPPORTUNITIES, AUDIENCE

Opening Statements:

Clapperton Chakanetsa Mavhunga (MIT): Starting Points and Trajectories of STS/History of Technology and What It Excludes

Arwen Mohun (University of Delaware): Selling the History of Technology to History Majors

Matthew Wisnioski (Virginia Tech): Graduate Seminars that Reach Out to Science and Engineering Students

Lars Heide (Copenhagen Business School): Preparing Students for the Emerging Innovation Economy

Ulrik Jørgensen (Aalborg University): The History of Innovations and Transitions Inspiring New Engineering Practices: Why History Matters

Sara Pritchard (Cornell University): Perspectives on Environmental Ethics & Sustainability

10.30 AM Break

10.45 AM - 12 Noon ROUNDTABLE DISCUSSION II: PEDAGOGIC CHALLENGES

Opening Statements:

Heidi Voskuhl (Harvard University): Technology and the History of Technology in General Education (Gen Ed) Programs

William Storey (Millsaps College): Inspiring Students at a Small Liberal Arts College

Atsushi Akera (Rensselaer Polytechnic Institute): Rigor in the Humanities at an Engineering School

Ann Johnson (University of South Carolina): Student Engagement with Normativity

Robert Martello (Olin College): Challenges and Rewards of Integrating History of Technology with Technical Projects

TOURS

Please note that seating is limited on all tours and that most tours sell out, so please register early!

Note that all tours will depart promptly from the lobby of the Holiday Inn at the times listed below.

Thursday, 10 October

8.30 AM - 4.30 PM

Tour of Sappi Paper Mill (Westbrook), New Balance Running Shoe Factory (Skowegan), and Maine Leaf-Peeping

Includes bus and box lunch. Limited to 40 people. Cost is \$35 per person.

Websites:

<http://www.na.sappi.com/aboutus/paper-supply-mills>

http://www.newbalance.com/Made-in-the-USA/made_in_usa,default,pg.html

Founded in 1854 by Samuel Dennis Warren, the **Westbrook Mill** became part of Sappi Fine Paper North America in 1994. This mill is the world's leading manufacturer of release papers for the automotive, fashion and engineered films industries. Release papers provide the surface aesthetics found in plastic-coated fabrics found in footwear, clothing, upholstery, and decorative laminates. The **New Balance Factory** is the last major manufacturing facility of athletic footwear located in the US. The tour will also stop briefly at **Colby College** in Waterville to collect the box lunches and the entire trip will provide an opportunity to enjoy the fall foliage of New England.

Friday, 11 October

10.30 AM - 12.30 PM

Tour of Shipyard Brewing Company, Portland

Led by Bruce Elam, Shipyard's Trade Brewer

Limited to 20 people. Cost is \$5 per person.

Tour will depart from the Hotel Lobby and participants will walk to the brewery (15-20 minutes).

Website: <http://shipyard.com/>

The **Shipyard Brewing Company** has been making award-winning, hand-crafted beer in Maine for nearly 20 years. Now one of the largest craft breweries in the country, the company shipped 2 million cases last year and is ranked the 15th largest craft brewery in the US. Shipyard produces 20 varieties of English style and seasonal ales. *Because the tour will visit production areas everyone will need to wear laced shoes with low heels and closed toes.*

2 - 6 PM

Tour of Bath Iron Works, Bath

Includes bus. Limited to 40 people. Cost is \$18 per person.

Website: <https://www.gdbiw.com/WhoWeAre.html>

Located thirty-five miles north of Portland on the Kennebec River, the Bath Iron Works (BIW) is one of the major shipyards on the US Atlantic coast. Since the 1880s, BIW has been turning out both commercial and naval ships and builds advanced missile destroyers for the US Navy. Since 1995, it has been a division of General Dynamics. Our tour will be led by BIW engineers and will include visits to the state-of-the-art machine shops and assembly facilities. Because of the size of shipyard, the tour will involve extensive walking (up to 1.5 miles) and visitors will be required to wear hardhats, safety glasses (which will be provided) as well as **sensible shoes** with low heels and closed toes. **Due to security restrictions, the tour is limited to US citizens or citizens of NATO-treaty nations.** US citizens must bring official ID with them and NATO citizens must provide the SHOT Secretary's office (SHOTsecy@virginia.edu) with a photocopy/scan of the picture page of their passport. If you plan to go on this tour, you must register **NO LATER THAN**

15 AUGUST--that is also the date by which we need the passport pages from NATO citizens.

Saturday, 12 October

10.30 AM -1 PM

Walking Food Tour of Portland

Led by Maine Foodie Tours

Includes guided tour and multiple tastings to cover lunch. Limited to 30. Cost is \$45 per person.

Join Maine Foodie Tours (MFT) and taste your way through town! MFT has teamed up with SHOT to offer a culinary tour, taking groups on a highly interactive, educational and tasty tour of the charming Old Port. You will be greeted at by guides in the lobby of Holiday Inn and brought down to the waterfront to begin a narrated tour lasting approximately 2.5 hours. Along the tour route, you will learn about the rich culinary history of the Port City as well as the current award-winning culinary scene. You will hear stories of Mainers who do what they love as you taste their creations, including such Maine favorites as blueberries, lobster, cheese, potatoes, craft brewed beers and more. You'll be walked back to your hotel, if you choose, having experienced what makes Portland the "foodiest small town in America" and knowing where to eat your next few meals while at the conference!

2 - 4.30 PM

Maine Narrow Gauge Railroad Museum and Steam Train Ride

Sponsored by TEMSIG and organized by Amrys Williams

Limited to 20. Cost is \$12 per person.

Tour will depart from Lobby and participants will walk to the museum (20 minutes).

Website: <http://www.mainenarrowgauge.org/>

The Maine Narrow Gauge Railroad Company & Museum operates historic locomotives from a set of five railways that once ran in the state on track two feet apart. These "two-footers" were inexpensive to construct and well suited to the rough terrain in Maine's interior, and they became important haulers of people and raw materials during the late nineteenth and early twentieth centuries, transforming the economy of the state. The Monson Steam Locomotive #4, which runs a 35-minute round-trip along Portland's harbor, once ferried slate to Monson Junction in central Maine from a quarry six miles away. In addition to experiencing steam travel, participants will have an opportunity to tour the museum's exhibits and to speak with museum staff, volunteers, and train crew about their work using these unique technological artifacts to enliven the story of Maine's past.

**56th MEETING OF THE SOCIETY
FOR THE HISTORY OF TECHNOLOGY
PORTLAND - 10 - 13 OCTOBER 2013**

REGISTRATION FORM

Sorry, but we cannot process registrations sent by email.

We recommend that you register on line at <http://www.historyoftechnology.org>

You may also mail or fax this form to us (address and phone number at bottom of this page)

Please PRINT CLEARLY to avoid delay in processing your registration.

Last Name _____

First Name _____

Street Address _____

City & State _____

Country _____

Zip/Postal Code _____

Phone _____

Fax _____

Email _____

BADGE INFORMATION

Registrant's name _____

Affiliation/ Organization/ Institution _____

City & State _____

Name of accompanying person (if applicable) _____

**Mail to: SHOT
Annual Meeting
PO Box 577
Earlsville, VA 22936
USA**

Fax to: 434.975.2190

HOTEL PLANS

At this time, are you planning to stay at

_____ **Holiday Inn by the Bay**

_____ **With family or friends**

_____ **Another hotel**

Please note that SHOT is collecting this data solely for planning purposes and that you need to make your own hotel reservations. Note that **graduate students and underemployed scholars** who wish to apply for rooms available at reduced rates should contact Jane Carlson at SHOT@virginia.edu.

REGISTRATION — by 10 September 2013 (midnight EDT)	Cost Total
<input type="checkbox"/> SHOT member	\$180
<input type="checkbox"/> SHOT member underemployed scholar/retired	\$160
<input type="checkbox"/> SHOT student member	\$150
<input type="checkbox"/> Non-SHOT member	\$250*
<input type="checkbox"/> Non-SHOT member student	\$200*
<input type="checkbox"/> Fee for attending spouse	\$ 25

Late Registration — after 10 September 2013

<input type="checkbox"/> SHOT member registration	\$200
<input type="checkbox"/> SHOT member underemployed scholar/retired	\$180
<input type="checkbox"/> SHOT student member registration	\$170
<input type="checkbox"/> Non-SHOT member registration	\$270*
<input type="checkbox"/> Non-SHOT member student registration	\$220*

*Non-SHOT members may join the Society for \$64 (\$34 for students) and then be eligible for member registration. Membership includes a subscription to *Technology and Culture*. To join, please visit <http://www.historyoftechnology.org/benefits.html> and be sure to send a note with your registration indicating your SHOT membership. *Please note your membership will be verified and the extra fee will be charged to your credit card if membership is not up-to-date as of 10 September 2013.*

TOURS

Thursday 8.30 AM - 4.30 PM

Sappi Paper and New Balance

\$35 per person

Includes bus and box lunch (limited to 40)

_____ Registrant _____

(name of accompanying person)

Saturday, 10.30 AM - 1 PM

Walking Food Tour

\$45 per person

Samples equal lunch

(limited to 30)

_____ Registrant _____

(name of accompanying person)

Friday 10.30 AM - 12.30 PM

Shipyard Brewing

\$5 per person

(limited to 20)

_____ Registrant _____

(name of accompanying person)

Saturday, 2 - 4.30 PM

Maine Narrow Gauge Railroad

\$12 per person

(limited to 20)

_____ Registrant _____

(name of accompanying person)

Friday 2 - 6 PM

Bath Iron Works

\$18 per person

(limited to 40)

_____ Registrant _____

(name of accompanying person)

SHOT EVENTS

- Thursday evening
Reception at Victoria Mansion
 \$10 per delegate; \$10 per guest
 (limited to 175)

_____Registrant_____

 (name of accompanying person)

- Friday morning
Graduate Student Breakfast
 No Charge
 (open only to current graduate students)

_____Registrant_____

 (name of accompanying person)

- Friday evening
Lobster Roll Picnic
 \$55 per person
 (limited to 125)

_____Registrant_____

 (name of accompanying person)

- Saturday evening
Awards Banquet
 \$40 per person

_____Registrant_____

 (name of accompanying person)

SIG EVENTS

- Computers, Information & Society
Friday Lunch
 Regular \$26 per person
 Grad student \$13 per person

_____Registrant_____

 (name of accompanying person)

- Asia Network **Saturday Breakfast**
 \$5 per person

_____Registrant_____

 (name of accompanying person)

- Envirotech **Saturday Breakfast**
 No Charge

_____Registrant_____

 (name of accompanying person)

- WITH Saturday Lunch**
 Regular \$26 per person
 Grad student \$13 per person

_____Registrant_____

 (name of accompanying person)

- Sunday Workshop on History of Computing**
 No Charge

_____Registrant_____

 (name of accompanying person)

TOTAL for registration, tours, meetings & receptions: \$ _____

Mode of Payment: Circle One: Credit Card Check

Credit Card: MASTERCARD or V ISA (Please circle)

Card # _____

Expiration date ____/____/____ 3-digit security code _____

Please print clearly or we will be unable to process your registration.

Address on credit card statement

Date _____

Signature _____

Check # (U.S. Funds—U.S. Bank) _____

(Name and address must be printed on check)

Please note your registration is only confirmed after we process your payment. A receipt will be sent by email.

REFUND POLICY

Until 10 September 2013

A full refund will be given of the registration fee plus tours, meals and any other costs.

Between 10 September-3 October 2013

50% of registration fee. Banquet cost and SIG meals fully refundable. Tour refunds **may** be offered at the discretion of the SHOT office.

After 3 October 2013

No refunds.

This printed form should be mailed or faxed to SHOT at the address or fax number listed on the first page.

We cannot accept registration forms sent by email for security reasons related to credit card fraud. Any registration sent by email will need to be resubmitted by regular mail or fax.

CONFERENCE HOTELS IN PORTLAND

We are pleased to announce that you can start reserving rooms at the headquarters hotel for SHOT 2013:

*Holiday Inn By the Bay, 88 Spring Street,
Portland, Maine 04101, Tel: (207) 775.2311,
Toll Free: 1.800.345.5050, Fax: (207) 761.8224,
Email: sales@innbythebay.com*

Our special SHOT conference rate is \$180/night for a single or double. Hotel rooms in Portland are taxed 7%. The conference rate is available from Wednesday, 9 October to Monday, 14 October 2013. This rate includes **complimentary Internet service** throughout the hotel as well as access to the Fitness Center and indoor pool. This rate is available until **8 September** or until our room block is sold out, so be sure to make your hotel reservations early! Keep in mind that October is when the fall foliage is at its peak in New England and so hotels fill up quickly.

To reserve your room at the conference rate, please call the Inn by the Bay directly and its toll-free number is **1.800.345.5050**. Be sure to mention that you are coming for the SHOT meeting. The Inn by the Bay prefers that conference reservations are done by telephone and not via its website.

Reduced Rates for Graduate Students and Underemployed Scholars

As SHOT has done in previous years, we have made arrangements with a sister hotel of the Holiday Inn, the Fireside Inn & Suites, to provide rooms at reduced rates for graduate students and underemployed scholars. The Fireside is a full-service hotel located four miles from the Holiday Inn and accessible by Portland Metro Buses. We will also investigate working with the hotels to provide shuttle service between the two hotels at the start and end of Friday and Saturday. Because these rooms can only be made available to *bona fide* graduate students and underemployed scholars, we ask that you please contact Jane Carlson (SHOT@virginia.edu) for further information about these rooms. Please do not contact the Fireside directly as they cannot book these rooms for you.

A FEW THINGS TO SEE AND DO IN PORTLAND

The largest city in Maine, the historic seaport of Portland offers the perfect blend of the charm of New England's seafaring history, the energy of a working waterfront, a vibrant urban culture and a thriving arts district.

Start by exploring the cobblestone streets of the historic Old Port to admire the area's restored Federal-era buildings and busy waterfront. A working harbor since the 1600s, the Old Port is home to commercial fishing, tourism and shipping, along with bustling shops, galleries, bars and restaurants. Portland has increasingly become a destination for the culinary arts with a burgeoning farm-to-table movement. Many of the city's best restaurants are within walking distance of the conference hotel. Online magazine The Huffington Post recently named the Portland-Auburn area the ninth most "restaurant-crazy city in the country," with 23.1 restaurants for every 10,000 residents.

From traditional Maine lobster to craft breweries, Portland has food and drink to suit every taste. Try a lobster roll at Gilbert's Chowder House on the waterfront for the quintessential New England experience. For more upscale, eclectic dining, visit Walter's for a menu of local seafoods and meats inspired by international flavors. A short walk through Old Port in any direction provides a number of other terrific choices.

For microbrew lovers, Portland has several outstanding breweries that offer pub-style food for a more casual dining experience. In Old Port, Shipyard Brewing Company brews English-style ales. The Sebago Brewing Company offers 11 craft styles and food such as sandwiches, steaks and pastas. Visit Sea Dog Brewing Company in South Portland for their Apricot Wheat Beer or Riverdriver Hazelnut Porter.

In the Arts District, stop by trendy Nosh Kitchen Bar for a bite after visiting the Portland Museum of Art. The largest public art institution in Maine, the museum collection includes paintings by Winslow Homer, John Marin, Andrew Wyeth, Edward Hopper,

Marsden Hartley, and other American painters. The museum also has a collection of impressionist and post-impressionist art. The striking Charles Shipman Payson building, designed by I.M. Pei, displays many modern works.

The best views in the city can be found on the Eastern Promenade. One side of the street is lined with gracious Victorian homes and on the other is a park that includes a trail and small beach, perfect for a picnic. A visit to Portland is not complete without seeing Portland Head Light, commissioned by George Washington in 1790. The site includes the keeper's quarters, walking paths, a museum and an old fort.

“Portland Beyond SHOT,” (http://www.historyoftechnology.org/portland/portland_beyond_shot.html) has a map and a variety of links to many of the area's landmarks, cultural attractions, entertainment venues, and restaurants..

CALL FOR PROPOSALS FOR HOSTING FUTURE MEETINGS

The SHOT Sites Committee invites inquiries from North American and international institutions wishing to host a future annual meeting of the Society. The Society has confirmed the locations of annual meetings through 2016, and so we are seeking institutions willing to host a meeting in 2017 and beyond.

Applicants are expected to submit a “letter of intent” to the committee. The letter should include proposed dates; the reason or motivation for hosting the meeting; adequacy of the proposed location and availability of accommodations; estimated travel and lodging costs; indication of institutional support; possible tours, events, and other activities; and the names of people willing to serve on a local arrangements committee. Specific guidelines for the letter of intent are described in the SHOT Sites Committee Handbook, and will be made available upon request. Letters of intent are due to the committee by **1 September 2013**.

Please direct inquiries to the Sites Committee chair, Eric S. Hintz (Smithsonian Institution) (hintze@si.edu), +1 202-633-3734.

Locations and Dates of Future SHOT Meetings:

- 2014** 6-9 November, Dearborn, Michigan
(hosted by the Henry Ford Museum)
- 2015** 8-11 October, Albuquerque, New Mexico
- 2016** Dates TBA, Singapore (National University of Singapore)

ELECTIONS

The 2013 ballot is located following the candidate biographies. Online balloting is available through the SHOT website. You will need to enter your membership number to vote for security reasons only; your ballot is still anonymous in the results database. Your membership number is located above your name on the mailing label of the newsletter and there is also information on the website regarding how to obtain your membership number from Johns Hopkins University Press.

Alternatively, you may mail in the paper ballot. Note that to ensure that only SHOT members vote, you need to include your membership number on the ballot. As in previous years, faxed copies will not be accepted. The deadline for submitting ballots is **8 September 2013**.

This year's ballot includes candidates for the Executive Council, Nominating Committee, and Editorial Committee. The Executive Council is SHOT's governing board and works with the Society's officers to plan and set policy. The Nominating Committee is responsible for selecting individuals to run for office and preparing the slate of candidates for each year's election. The Editorial Committee works with the editor of *Technology and Culture* in addressing questions relating to the operation of the journal. Members of the Council and the Nominating Committee serve for three years while the members of the Editorial Committee serve for five years.

The Society will also elect a new Executive Secretary for 2014-16 and we will hold a separate election for that office later this summer. Details will be posted to the SHOT website.

CANDIDATES FOR THE EXECUTIVE COUNCIL

Molly W. Berger: My current position is Associate Dean in the College of Arts and Sciences and Instructor of History at Case Western Reserve University, where I earned my Ph.D in 1997. I am a cultural historian of nineteenth-century American technology with interests in urban spaces, gender, and material culture. My book, *Hotel Dreams; Luxury, Technology, and Urban Ambition in America, 1829-1929* (Johns Hopkins University Press, 2011) is an exploration of the ways ideas about technology are expressed culturally through an understudied urban institution, the American luxury hotel. *Hotel Dreams* won SHOT's 2012 Sally Hacker Prize for the best book written for a broad audience. I also served as editor of an award-winning volume of essays, *The American Hotel*, produced by the Wolfsonian-FIU Museum and MIT Press.

My first SHOT meeting was the 1990 Cleveland meeting and I have been an active member of SHOT since then. For five years, I served as one of the co-coordinators of Women in Technological History (WITH). I also served on WITH's travel grant committee and, for five different years, as newsletter editor. I also served on SHOT's Sites Committee and the Travel Grant Committee, serving as chair for each in regular rotation. Coming full circle, I was SHOT's chair of local arrangements for the 2011 Cleveland meeting.

I believe that I can contribute to the Society's Executive Council in a number of ways. Having worked in the dean's office for thirteen years now, I have a depth of experience in organizational structures and processes, and have a successful record administering programs and grants and working with large budgets. I support the Society's recent efforts towards greater inclusiveness through initiatives that include WITH, EDITH, and efforts towards increasing SHOT's international presence. I also think that we need to continue to actively engage in conversations with the public about our

work and what we know about the relationship between technology and political, social, and cultural issues. I recently overheard a conversation while riding my bike on the Cuyahoga Valley National Park's towpath trail that was once part of the Ohio & Erie Canal. A woman said to her companion, "I think there's supposed to be some sort of canal somewhere over there on the right," as though the word "towpath" had come to mean a lovely path for bikers, runners, and walkers. There is a great deal of work to be done.

Nathan Ensmenger is associate professor in the School of Informatics and Computing at Indiana University. He holds a degree in engineering from Princeton University and a PhD in the history and sociology of science from University of Pennsylvania, where he also served for many years as a faculty member. His first book *The Computer Boys Take Over: Computers, Programmers, and the Politics of Technical Expertise* was published with MIT Press in 2010. More recently, he is the co-author of the third edition of *Computer: A History of the Information Machine* (Campbell-Kelly, Aspray, Ensmenger, and Yost). He has served on the SHOT Hacker Prize committee and is a long-standing member of the Special Interest Group on Computers, Information, and Society. He is also an associate editor for the *IEEE Annals of the History of Computing*. His work explores the social and labor history of software development, and he has written extensively on gender and computing. He is currently working on a book on computer-based decision technologies and their use in medicine, finance, and public policy.

If elected to the Executive Council, he would work on cultivating ties between the history of technology community and the several emerging disciplines for whom questions of the relationship between technology and society are of pressing significance, including new media and Internet studies, the digital humanities, and the computational social sciences.

Ann Greene is Associate Director for Undergraduate Studies and Adjunct Assistant Professor in the History and Sociology of Science Department at the University of Pennsylvania. Her publications include *Horses at Work: Harnessing Power in Industrial America* (Harvard University Press, 2008), "War Horses: Equine Technology in the Civil War," in *Industrializing Organisms: Introducing Evolutionary History*, edited by Susan Schrepfer and Philip Scranton (Routledge, 2004) and essays in *Healing the Herds*, edited by Karen Brown and Daniel Gilfoyle (Ohio University Press, 2010) and *Nature's Entrepot*, edited by Brian Black and Michael Chiarrupa (University of Pittsburgh, 2012). Her current project is on the Erie Canal in the late nineteenth century. She is involved in the Fairman Rogers digital history project in the Penn Rare Book Library, public history projects with two Philadelphia institutions, and serves on the editorial board of the *Pennsylvania Magazine of History and Biography*.

I am honored to be nominated for election to the Executive Council. SHOT nurtured my scholarly work since I was a graduate student. I delivered my first conference paper at SHOT, received the Brooke Hindle Postdoctoral Fellowship, and have served on the Kranzberg Committee, the Robinson Committee, and as co-convenor of the Envirotech SIG. As a member of the Executive Council I would hope to accomplish helping to maintain and strengthen the Society's finances in these challenging times. I would also hope to encourage scholarship that builds on SHOT's legacy and continues to integrate technology history into larger historical narratives. Finally, in response to changing conditions in academia, I would work to keep SHOT a place that supports scholars working in a widening array of jobs.

Dan Holbrook: I am an Associate Professor in and Chair of the Department of History at Marshall University in Huntington, WV. I earned my Ph.D. at Carnegie Mellon University. My main research and writing has revolved around semiconductor technology and includes publications in *Business and Economic History*, *Strategic Management Journal*, and chapters in two edited volumes. I am

currently working on a history of contamination control technologies; so far this work has been published in *History and Technology*. I have been a SHOT member since 1989, and have served on several committees, including the Dibner Prize, the Hindle Fellowship, and the Program Committee. My experiences with SHOT have been wholly positive; the moves in recent years toward internationalization, a better web presence, more stable finances, and innovations in the organization and content of the Annual Meeting, among other initiatives, indicate that the organization is in pretty good shape. Helping to maintain and extend those changes would, of course, be one of my goals if elected.

The challenges facing higher education in these times, many of which revolve around technologies, offer SHOT an opportunity to engage in important public debates about the future of higher education. One approach would be for SHOT to promote discussions, meetings, and publications on the broad topic of technologies in the classroom and technologies in and of learning. Clearly electronic information technologies dominate the current discussions related to both on-line and in-class teaching and learning, but chalk, chairs, and spaces are technologies too, and need to be considered in the discussions. I feel certain that the resources SHOT members could bring to this discussion could make a valuable contribution to individual teachers and to colleges and universities dealing with technology issues, and might better inform policy makers and state funding agencies as well.

It is an honor to be nominated, and would be a great privilege to serve SHOT on its Executive Council.

Cyrus Mody is an Assistant Professor in the History Department at Rice University. He has an undergraduate engineering degree and a doctorate in science and technology studies. Before Rice he was at the Chemical Heritage Foundation for three years, including two years as a staff member of CHF's Center for Contemporary History and Policy. He specializes in the history of recent technologies – such as nanotechnology – that are amenable to oral history and ethnographic research. He has been a

member of the history working group of the Center for Nanotechnology in Society at UC Santa Barbara since its founding in 2005 and is the author of *Instrumental Community: Probe Microscopy and the Path to Nanotechnology* (MIT, 2011). He is finishing a monograph on the role of the microelectronics industry in shaping late Cold War American science policy, and starting another on the ways American physicists and engineers adapted to popular demand in the 1970s for interdisciplinary research on pollution, alternative energy, and disability technologies. His service to SHOT includes three years on the Kranzberg Dissertation Fellowship committee and four years as a contributing editor for *Technology and Culture*.

I originally came to SHOT as a member of the Society for Social Studies of Science, and I work in the zone fostered by SHOT's long-term relationship with 4S and the History of Science Society. That said, for many SHOT members, "science" is not an obvious correlate with "technology." One wonderful aspect of SHOT is the incredible diversity of professional homes its members share with history of technology: folk and myth, sociology, environmental history, business history, etc. – plus, of course, many different regional studies fields. I'd like us to explore new partnerships, in addition to those with 4S and HSS, with societies which have significant membership overlap with SHOT, such as the American Society of Environmental Historians. I'd also like to explore connections with fields such as management studies where there are large numbers of scholars doing history of technology but not attending SHOT or publishing in *T&C*.

Heidi Voskuhl: I received my Ph.D. in Science and Technology Studies from Cornell University in 2007 and have since then taught the history of technology in the History of Science Department at Harvard University, where I have also been a member of the Degree Committee in Women, Gender, and Sexuality Studies. In July 2013 I take up a position as an associate professor in the Department of History and Sociology of Science at the University of Pennsylvania.

I have been an enthusiastic SHOT member ever since my earliest days in graduate school and have participated in annual meetings as a presenter, commentator, and panel chair, and in general SHOT business as a member of prize committees, contributor to Prometheans activities, and Contributing Editor of *Technology and Culture*. I have appreciated in particular SHOT's openness to graduate students and younger scholars, its methodological, topical, and institutional diversity, and the ongoing intellectual excitement and energy in the society. I hold master's degrees in physics from Oldenburg University (Germany) and in History and Philosophy of Science from Cambridge University (UK). My book *Androids in the Enlightenment. Mechanics, Artisans, and Cultures of the Self* will be released by the University of Chicago Press in June 2013. I have also worked on the history of modern physics and computing, gender and sexuality studies, eighteenth-century studies, and intellectual and cultural history, focusing in particular on the often ambiguous boundaries between pre-industrial and industrial eras. My current book project revolves around engineers' efforts to constitute themselves as a new cultural elite in Europe and North America during high industrialism and their corresponding interest in developing "philosophies of technology."

If elected to SHOT's Executive Council, I would work on continuing to expand connections with scholars in general history, in philosophy, in the history of science, as well as in non-historical technology studies as pursued in 4S and elsewhere. I would also continue to develop scholarly connections with engineers and scientists themselves, revolving around, among other things, the teaching of the history of technology in engineering and in social science departments. I would also work to continue the attention within SHOT to gender and diversity concerns, to Engineering Studies, as well as to the study of "early" modern history of technology (in particular in international and global history). In my activities with the Executive Council, I would draw upon my background in teaching, research, and service as well as on my international training and network.

CANDIDATES FOR THE EDITORIAL COMMITTEE

Janet Abbate is Associate Professor of Science and Technology in Society at Virginia Tech. Her books include *Inventing the Internet* (MIT Press, 1999) and *Recoding Gender: Women's Changing Participation in Computing* (MIT Press, 2012). Her current research project investigates the historical emergence of computer science as an intellectual discipline, an academic institution, and a professional identity. She has been a SHOT member for 23 years and has served on the Executive Council, Robinson Prize Committee, IEEE Life Members Prize Committee, as an Advisory Editor for *Technology and Culture*, and currently as chair of the Kranzberg Dissertation Fellowship Committee. She is also Associate Editor of the *IEEE Annals of the History of Computing*.

As the journal of record for the history of technology, *Technology and Culture* provides an essential service to both SHOT members and the knowledge-seeking public. If elected to the Editorial Committee, I would work to support that core mission while also suggesting some updates to our online eTC site to make our scholarship more accessible to a wider audience. For example: we could invite authors to create short podcasts about their work; make it easier to link to the site using social media badges; or bring older scholarship to light by featuring a "classic" *T&C* article each month.

David Hochfelder. I am honored to stand as a candidate for SHOT's Editorial Committee. If elected, I will work to broaden the audience of *Technology and Culture* to include historians in other disciplines and the interested lay public. My research interests are at the intersection of technology, communications media, and capitalism. After receiving my Ph.D. in 1998, I spent three years as a postdoctoral researcher at the IEEE History Center, Rutgers University, and six years as an assistant editor at the Thomas A. Edison Papers, Rutgers University. I have been on the history faculty at University at Albany, SUNY since 2007. Last year, I published *The Telegraph in America: 1832-1920* with Johns Hopkins University Press.

My current research projects are a history of thrift in the U.S. and a co-authored analysis of the propaganda war between Axis and Allies during World War 2. I have previously served SHOT on two committees, the IEEE Life Members' Prize in Electrical History (2003-2006), and the Sally Hacker Prize (2007-2009). In addition, I have served on the Editorial Board of the IEEE Significant Technological Achievement Recognition Selections (STARS) Program since 2009 and have recently joined the program's Executive Committee. I also serve as a manuscript reviewer for seven journals, including *Technology and Culture*. I am grateful for this chance to deepen my service to SHOT and the history of technology community. Thank you for your consideration.

CANDIDATES FOR THE NOMINATING COMMITTEE

Andrew Butrica: I read my first paper at SHOT in 1982. I have been working as a research historian on a contractual basis mainly for NASA as a way to earn a living and to support my own studies, with the help of a few grants, of the Société d'Encouragement pour l'Industrie Nationale. Founded in Paris in 1801 to improve industry and agriculture, it became, successively, a branch of the interior ministry, an "academy of applied sciences," and an engineering society. Some members of SHOT may know me for my award-winning books in space history. Others may know me as a historian of communication technologies (telegraphy). Within SHOT, I have been the chair of the IEEE Life Members' Prize Committee (2008-2012), and I served on the Leonardo da Vinci Medal Committee (2010) and the Robinson Prize Committee (1993-1996). For the last three decades, I have been a member of the Mercurians, the SHOT SIG for the history of communication technologies. Since 2003, I have chaired the group, edited the newsletter, taken responsibility for the website, instituted an article prize and research grant for junior scholars, organized panels and symposia, and achieved much more.

Sonja Schmid: I am an assistant professor in Virginia Tech's Department of Science and Technology in Society, and teach at our satellite campus near Washington, DC since 2011. I earned

my first graduate degree from the University of Vienna, Austria, before coming to the United States for a Ph.D. program in Science & Technology Studies at Cornell. My dissertation research on Soviet nuclear reactors involved a long year of archival research in Moscow, and many interviews with veterans of the Soviet nuclear power industry (and yes, some vodka, too). During my three years as a postdoc on the west coast, I learned a lot about nuclear security and nonproliferation – things that budding nuclear engineers at Virginia Tech are eager to study. I have published several papers and book chapters on nuclear energy, both historical and contemporary, and my book on Soviet reactor design choices is under contract. My research, teaching, and scholarly collaboration continue to emphasize international connections as well as regional and organizational specifics. I am interested in the relationship of history, governance, and policy (especially energy policy, and particularly nuclear energy), and I have found SHOT a high-quality, generous, and fun community to share ideas with. I have been a member since 2004 (or thereabout), attend the Envirotech SIG, served on the Robinson Prize committee, and won the Brooke Hindle prize once. I'd be happy to serve on the Nominating Committee next, and encourage members of underrepresented groups to get involved.

2013 SHOT BALLOT

After marking your ballot, detach it and fold it in half, and tape it closed on all three open sides. Please affix a first-class stamp as indicated on the reverse side and mail it to the SHOT Secretary's office by **8 September 2013**. Alternatively, an online ballot is available through the SHOT website until **8 September 2013**.

Executive Council

Three-year term

Vote for 3 out of 6

_____ Molly Berger

_____ Nathan Ensmenger

_____ Ann Green

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