



B A K K E N
M U S E U M

Annual Report
2018



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CONTACT US

3537 Zenith Avenue South
Minneapolis, MN 55416-4623

Phone: 612.926.3878

Fax: 612.927.7265

Email: info@thebakken.org

Web: thebakken.org





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Welcome to 01. The Bakken Museum

The Bakken Museum is committed to nurturing a passion for innovation in visitors from around the world. Founded by Earl Bakken, a Minneapolis native and co-founder of Medtronic, The Bakken Museum offers something for everyone.



OUR VISION

We will build a community at the intersection of science, technology, health and wellness, leveraging the past to inspire the next generation of innovators to transform the future.

OUR MISSION

The Bakken Museum inspires a passion for innovation by exploring the potential for science, technology and the humanities to make the world a better place.



Letter from the 02. Executive Director

To our friends and supporters,

In October 2018, our founder, Earl Bakken passed away. Earl was a visionary, leader, and innovator. Now, more than ever, we are committed to honoring Earl's legacy by fostering a sense of wonder and providing experiences that unite science, history, and the arts.

While we mourn the loss of Earl, 2018 was a transformative year for us here at the museum and through our education programs across the state. We are proud of the work that we did to expand on our mission of exploring the potential for science, technology, and the humanities to make the world a better place.

I am pleased to share a few highlights from the past year:

- Debuted a prototype of our newest exhibit, Designing for Life, where visitors explore how creative engineering can positively impact human lives
- Grew our camps onsite, offsite, and all girls camps to reach more students than ever before
- Brought outreach workshops and assemblies to over 31,000 students
- Launched Teen Science Café to connect high school aged students with experts in STEM Fields
- Celebrated the bicentennial of Mary Shelley's Frankenstein through a series of events, partnerships and programming

As Earl taught us, everything can be improved upon. We celebrate the accomplishments of our staff and volunteers and look forward to growing our community of curious tinkerers and creators in the future.

- Michael Sanders



Earl Bakken's passing in October of 2018 reminds us about the importance of our mission and role in the community.

In 2017, Earl shared with us:

"You continue to make my dreams of The Bakken Museum come true every day. It's so rewarding to see and hear about all you have accomplished this year, and what still lies ahead. We want to inspire kids of all ages and backgrounds to understand how exciting science and technology can be, especially when applied to helping humanity and making our world a better place."



On behalf of our staff, volunteers, and guests:

Thank You, Earl.

The Bakken Museum

03. 2018 at a Glance



17,500

WORKSHOP HOURS

45,000+

INSPIRED STUDENTS

24,198

STEM SCHOLARSHIPS

27%

YOUNG WOMEN PARTICIPATING

3,000

ARTIFACTS

11,000

RARE MANUSCRIPTS & BOOKS

131

VAULT VISITORS

1,297

COLLECTION EXPERIENCES



Events

1,656

EVENT ATTENDEES

131

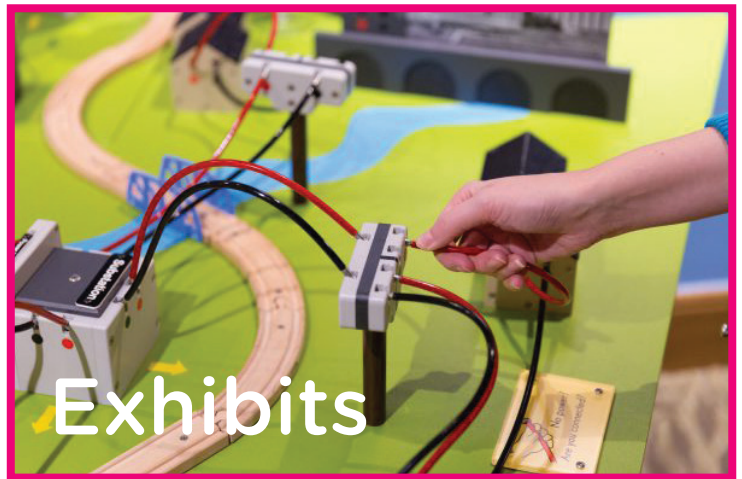
EVENT PARTNERS

218

VOLUNTEERS

109

RENTALS



Exhibits

16,886

VISITORS

380

MEMBERSHIPS

93

ACCESS VISITORS

250

MOST VOLUNTEER HOURS IN ONE YEAR:
RICHARD JOHSON



Education at 04. The Bakken Museum

The Bakken Museum's youth programs explore science, technology, engineering, and math (STEM) as an ongoing social process of inquiry, experimentation, creative thinking, and reasoned debate. The curriculum is taught using a pedagogy that facilitates the use of evidence, judgment, creativity and logic. For The Bakken, this reflects a full appreciation of what every young learner brings to his or her learning experience: curiosity, creativity, and their previous experiences. An appreciation for the power of individual creativity and inspiration is integral to The Bakken youth programs.

SUMMER AND SCHOOL BREAK DAY CAMPS

Day and week-long camps are scheduled to coincide with breaks in the school system to provide convenient and intensive learning experiences. With program offerings ranging from designing and building inventions to learning and practicing coding, each session is developed with specific end goals that correlate to a key STEM outcome.



THE INVENTORS CLUB

Inventors Club is a six-week program for students to become the innovators of tomorrow. Students make an invention with a real-life application using the tools and materials from the museum's makerspace with the guidance of mentors at The Bakken. Held three times a year, the Inventors Club is a program that relies upon and cultivates student creativity while building fundamental STEM skills.

LEGO ROBOTICS

Lego Robotics is an original Bakken Museum program which combines a building block toy with real-life applications. Students build and

program LEGO robots to complete a series of rotating tasks. LEGO robotics is a series of four classes occurring three times throughout the year.

TEEN SCIENCE CAFÉ

New to The Bakken Museum in 2018, Teen Science Cafe is a part of a national series empowering teens to plan and facilitate their own STEM education. Planned by teens, each session involves an interview guided learning experience with a STEM professional to help facilitate a conversation around workforce opportunities and new topics in the world of science.



Community Impact & Outreach

The Bakken's influence stretches far beyond its walls.

The Bakken Museum brings a wide variety of outreach programs to schools, libraries, and community centers serving over 31,000 students and families annually.

The museum honors Earl's legacy by making STEM education programs accessible to a diverse audience.



ASSEMBLIES

The outreach team at The Bakken Museum combines science and theater to tell entertaining stories of innovations and innovators. Performances are usually done in a gym, auditorium or cafeteria, for up to 350 students at a time for big-impact science fun.

WORKSHOPS

Bakken educators bring exciting STEM experiences into the classroom through workshops. Workshops are for students from kids in pre-K through high school, with topics ranging from coding to nanoscience to the ethics of innovation.

RESIDENCIES

During residencies, Bakken Educators will visit a school multiple times to provide a series of workshops and/or assemblies. Residencies magnify program impact by diving deeper into content and leaving a stronger impression on students.

STEM EVENTS

Bakken staff bring table-top activities to libraries, scout groups, family science nights, and other events outside of the school day during STEM events. These customizable events bring entertainment and education to all ages—including adults.

Student 06. Spotlight

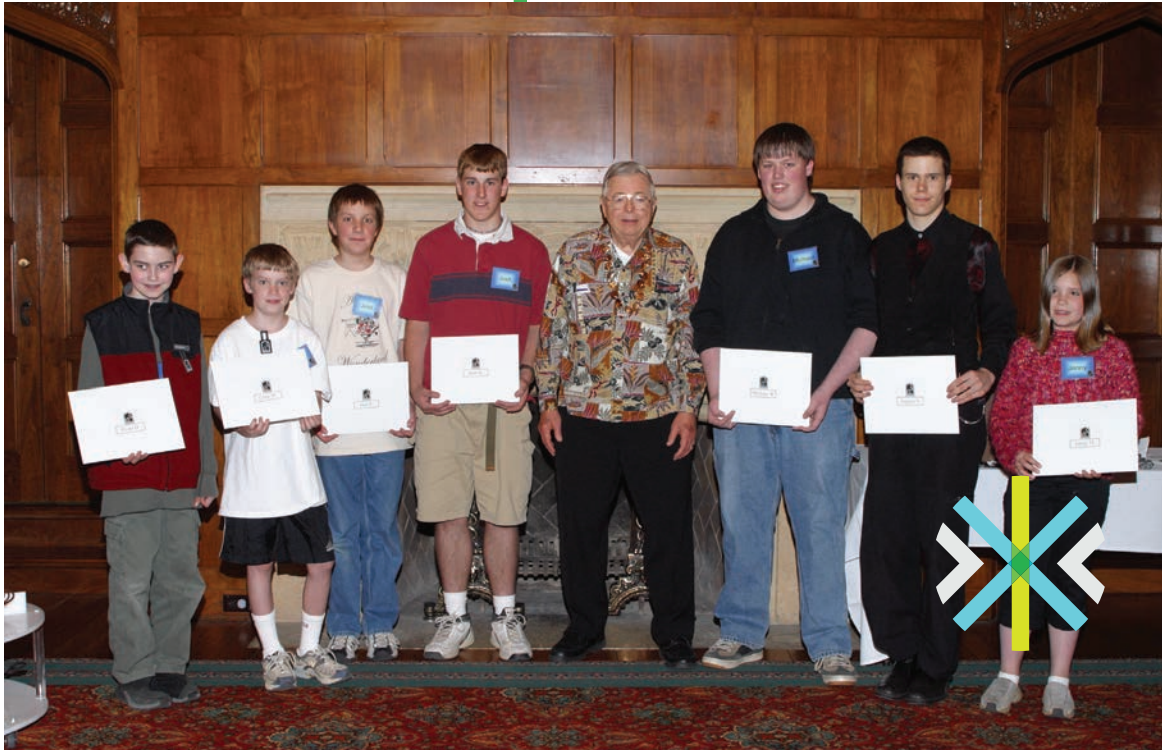


This is Alex with one of his first projects at The Bakken Museum.

Today, Alex is working on an autonomous robotic assistant at NASA's Johnson Space Center. In between Computer Science and Product Design classes at the University of Minnesota, he worked at Microsoft on the Gaming team.

"The Inventors club at the Bakken Museum is what started it all for me. It was the first program that equipped me with the mentors and resources to solve problems around me. I would not be where I am today without the spark that The Bakken Museum ignited 11 years ago...also, for the record, I finally learned how to get a decent haircut."

- Alex
Bakken Program Participant



“Earl Bakken has a special place in my heart and has been largely influential in me being the person I am today. I was lucky enough to be a participant in the Bakken Museum’s Inventors Program starting in 7th grade, and working at the Bakken all through High School, which resulted in the honor of meeting him on many occasions. He empowered me to grow and be my best self. I now work every day with the hope to have just a snippet of the influence on people, and the world, that he did.”

- Mike
Bakken Program Participant

07. Events

From 21+ parties to thoughtful lectures and hands-on family days, The Bakken Museum's special events provide dynamic opportunities for visitors to experience the museum throughout the year. Each themed event offers something new and exciting!

In 2018, the museum offered the following special events:

EVENINGS AT THE BAKKEN

The Bakken Museum's adult event series invites individuals 21 years and older to experience the museum after hours, enjoy a cocktail or a drink, and try out experiments and projects.

- May 24, 2018 - Bakken Brewmasters
- June 21, 2018 - Art in the Garden
- July 26, 2018 - Wine Demystified
- October 9, 2018 - Fact, Fiction, Fringe

DISCOVERY DAYS

Discovery days are family-friendly events held on select Saturdays throughout the year. Each event focuses on an innovative STEM theme to engage our visitors with local community partners through hands-on activities and demonstrations.

- March 10, 2018 - Women in Science
- July 21, 2018 - Innovation
- October 27, 2018 - Monster Museum

ON THE VERGE LECTURES

During On The Verge lectures, a panel of industry experts share their thoughts on using advancements in science, engineering, and humanities to design spaces that positively impact health.

- May 17, 2018 - Manipulating the Microbiome
- July 12, 2018 - Your Own Personal Genome

GSK SHOWCASE

During the GSK Showcase, families are invited to experience the best of The Bakken Museum's summer outreach program, GSK Science in the Summer™.

- August 21, 2018 - Star Party

ADDITIONAL 2018 EVENTS

- January 13, 2018 - Frankenstein 200 Years of LIFE
- February 5 & October 15, 2018 - Community Blood Drive
- September 22, 2018 - Smithsonian Magazine Museum Day
- November 15, 2018 - Earl Bakken: Celebration of Life



08. Collections

The Bakken Museum's collections have continued to grow under the leadership of the Museum's curators. Today, the museum is proud to house a variety of artifacts, 19th-century medical devices, and early modern anatomy books. The collection reflects Earl's belief in the importance of studying history, self-inquiry, and experimentation.

FACT, FICTION, FRINGE

The Bakken Museum's collections are a rich resource to learn about fringe science. In October, the collections program held an evening event featuring pieces that speak to the messy boundaries of knowledge in science. This event explored the ideas of how what might be accepted as scientific fact in one time might be considered fringe or fiction in another as our understandings change more generally.



Donor Highlight

The Bakken Museum is proud to be entrusted with artifacts from individuals and organizations. In 2018, the museum received a donation of 61 items from the distinguished career of Larry Shearon, the 4th inductee to the The Bakken Society. These items were generously donated by Larry's son, David Shearon, as a way to honor his father's work and his long relationship with Earl.

Thank you to the Shearon family.



09. Exhibits

In July, The Bakken Museum launched a prototype version of our newest exhibit, *Designing for Life* as part of the greater Inventing for Health initiative. *Designing for Life* explores how design and engineering can be used to positively impact human lives.

PAPER ENGINEERING

In “Paper Engineering,” facilitators help visitors use a variety of tools and techniques to transform 2D paper into useful and innovative 3D objects. Visitors can use these basic engineering skills to bring their imagination to life by creating something new.

PERSONAL PROSTHESES

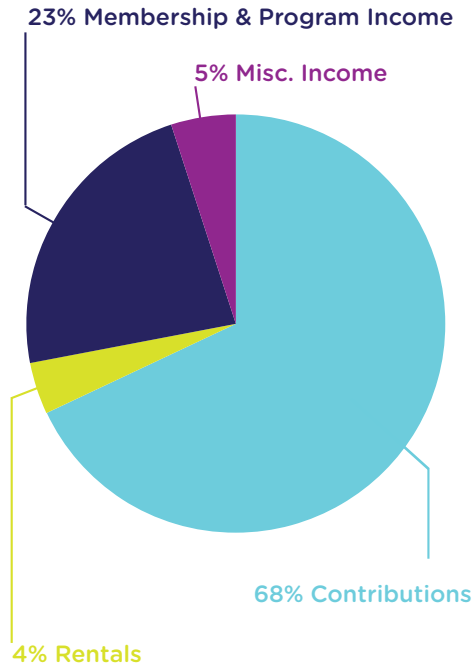
“Personal Prostheses” invites visitors try devices that help people who have limited use of one or both hands. Individuals can test their ability to make pancakes using a variety of prosthetic devices, and see how other activities require different types of prostheses. Guests also learn about myoelectric hands and how prostheses are made through a collaboration with prosthetists at Gillette Children’s Specialty Healthcare.



MINNESOTA MADE

The “Minnesota Made” exhibit allows visitors to explore the multi-faceted community of patients, inventors, and doctors which combine with new technologies to form the core of Minnesota’s long history of biomedical inventions. Human stories of inspiration and innovation are the driving force behind this exhibit where visitors learn about the challenges these individuals faced, the dedication involved, and why inventors strive to make patients’ lives better.

2018 Income Breakdown

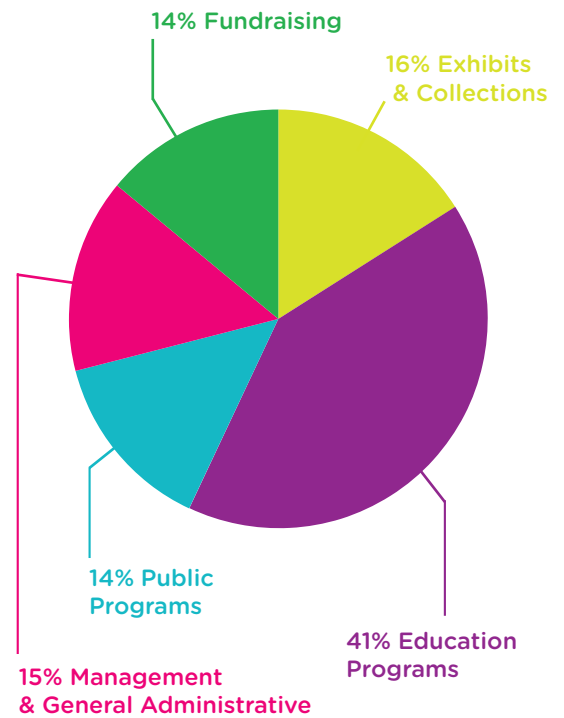


STATEMENTS OF ACTIVITY	2018	2017
INCOME		
Earned Income	\$659,310	\$592,963
Contributed Income	\$1,679,650	\$852,752
Misc. Income	\$131,674	\$244,115
TOTAL	\$2,470,634	\$1,689,830
EXPENSES		
Exhibits & Collections	\$384,553	\$397,190
Education Programs	\$1,002,757	\$1,153,121
Public Programs	\$355,722	\$329,806
Management & General	\$384,090	\$355,533
Fundraising	\$351,575	\$265,299
TOTAL	\$2,478,697	\$2,500,949

10. Financial Report

BALANCE SHEETS	2018	2017
ASSETS		
Cash	\$1,518,227	\$804,839
Current Receivables	\$366,851	\$467,231
Other Current Assets	\$31,036	\$28,985
Long Term Receivables	\$725,663	\$1,067,938
Property, Equipment and Collections (Net)	\$4,679,057	\$5,007,962
TOTAL ASSETS	\$7,320,834	\$7,376,955
LIABILITIES		
Current Accounts and Notes Payable	\$60,148	\$101,470
Other Current Liabilities	\$66,751	\$50,704
Long-Term Liabilities	\$24,478	\$47,261
TOTAL LIABILITIES	\$151,377	\$199,435
Net Assets without Donor Restrictions	\$4,944,577	\$5,111,177
Net Assets with Donor Restrictions	\$2,224,880	\$2,066,343
TOTAL LIABILITIES AND NET ASSETS	\$7,320,834	\$7,376,955

2018 Expense Breakdown



11. Board of Directors



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