

AOC Muddy Watters STEM Program

Michael Brock, Director of Strategic Partnerships
and Training – STEM Program Manager

Mark Schallheim, STEM Committee Chair

AEF
Board of Governors
18 April 2024



ASSOCIATION
OF OLD CROWS

Potential STEM Committee Members (Max 10)

- Eugene Sullivan
- Ken Dworkin
- Keith Everly
- Vijay Kowtha
- Myles Murphy
- Mick Riley
- Wayne Shaw
- Leslie Gruis
- Gary Lyke
- Chuck Quintero
- Ian Agard
- Raul C Blanche

2024 STRATEGIC OBJECTIVES AND 2025-2026 FLIGHT PLAN

EDUCATE Goal: Grow professional development certification and STEM programs by recently established roadmaps.

Headquarters support to Membership and Chapter STEM Programs:

- Determine how to **support STEM with chapters and industry/DoD membership.**
 - Focus congressional outreach on the value of STEM opportunities and gain inclusion of EMS into educational curriculums.
 - Work with industry partners – Identify gaps in current STEM program students entering the workforce
 - Interface with Chapters – Discover, grow and spread local STEM programs to increase EMSO related education
- **2025 Flight Plan** – Facilitate Chapters involvement in local EMS related STEM programs
- **2026 Flight Plan** – Increased EMS education in schools

Single 2023 STEM Accomplishment

- Annual AOC International Symposium & Convention
 - Chapter STEM Demonstrations



- Presentation/Meeting with Chapters at Chapter President's Meeting
 - Provide high level overview of future AOC STEM Program
 - Encourage Chapters to engage in STEM and/or participate with other Associations in cooperative STEM events

2024 STEM Program Plans

Headquarters support to Membership and Chapter STEM Programs:

- Engage with the Society for Science, attend the International Science and Engineering Fair (ISEF) to engage the Global STEM community and develop a relationship for EMS research in STEM at the Strategic level
- Encourage all Chapters to have local STEM involvement
 - HQ to support chapters by organizing virtual STEM meetings between Chapters – hopefully to evolve to Regions
 - HQ to enhance sharing between chapters via STEM Website or other media
 - Involvement with current STEM programs in Primary, Secondary, and/or Universities
 - Develop security guidelines to protect Youth and the AOC
- Encourage Chapters to interact and participate in cooperative STEM events and/or programs with Government, Defense, Corporate, Associations and Educational Organizations
- Participate in AEF Strategic Plan and develop 5 year STEM Roadmap

2024 STEM Program Plans (*continued*)

Headquarters support to Membership and Chapter STEM Programs:

- Facilitate Chapter connections with Industry & National STEM Organizations, and facilitate AOC involvement and/or Partnerships
- On-going STEM programs:
 - STEM Awards Program
 - *STEM Website – Info on Events, Videos, Publications and Blogs?*
- **#1 Priority - Funding for STEM, Scholarships & Future 5 Awards**
 1. CFC and other Donations
 2. Grants (Government, Foundations, and others)
 3. Endowments

2024 STEM Program Plans (*continued*)

Education *outreach*:

- Academia POC's:
 - STEM needs the BOG to reach out to participants at symposia, conventions, meetings, fellow employees, friends, schools, ...
 - The AEF needs Academia, Industry, DoD, Government, related Association POC's that are interested in growing EMS Education in our next generation.
 - Please send POC information to Schallheim@gmail.com

2024+ (2025 – 2029) STEM Program Plans

Advocacy & Industry *outreach*:

- Congressional & Industry outreach
 - Deficiency of EMS & EMS Defense in Education & STEM programs
 - Potential AOC value to solving this issue
 - Partnership with Society for Science to impact EMS education globally
 - STEM opportunities via Chapter led programs
 - Inclusion of enhanced EMS studies in educational curriculums.
 - AOC Educational Foundation EMS Student Award Program (\$)
 - Develop Internship support infrastructure for University/College Students and AOC membership Organizations
 - Participate and organize funded Independent Research & Study programs with Membership Universities, other Organizations, Employees, and/or Volunteers
 - Collaborate with Universities to develop EMS Educational programs

2024+ (2025 – 2029) STEM Program Plans (*continued*)

Advocacy & Industry *outreach*:

- AOC needs to be the EMS Advocate:
 - Expand Education Contacts
 - Be an advocate for building the future for the EMSO workforce
 - Collaborate with Academia, Industry, DoD, and Government
 - Develop Strategy that aligns with participants above

- Resources are required to accomplish.

Questions?

2023 STEM Program Plans (*continued*):

Annual AOC International Symposium & Convention:

- Kick-off Chapter STEM Event upstairs to demonstrate STEM activities that are available to Chapters
 - A few Chapters and others will demonstrate STEM outreach capabilities to AOC Chapters (*This is a “Crawl before Run” event*) / Others are invited
 - Schedule: Mon: Setup, Tues: All Tables and Presentations. Wed: by request
 - Chapters sign up at Chapter Presidents Meeting on Monday
 - Chapter/ DC Locals signed up:
 - HQ – 1st 4 STEM Stations used at previous Conventions (Interactive)
 - Dixie Crow – Video Presentation of Chapter STEM Events
 - Capitol Cub – MASTERY program Presentation
 - Washington DC – Robotics Group Demonstration w/HS Students
 - Point Mugu Crows – Game of Drones Presentation / Hardware display

CFC Charity

- Competed researched on 2024 Combined Federal Campaign (CFC) Application Process at cfccharities.opm.gov (attended 1st time application webinar on Nov 14th)
- Since Inception, 1961, CFC provided \$8.3B to Local, National and International charities. Charities can use the money in an unrestricted way, and can also accept volunteer hours through CFC. Reports are provided during the year.
- CFC provides direct outreach to MILLIONS of federal employees, retirees, and federal contractors (who are annually solicited for non-taxable donation contributions)

CFC Charity (continued)

- Fees for Application and Filing, dependent on 990 income and charity coverage
 - Total Fees range from \$255 to \$2,838, depending on org. size, type and filing date.
 - Our costs should be **less than \$1K**, and currently believe only a \$369 application fee and a \$234 filing fee (**\$603 total**)
- No other fees except for participation in Marketing Events (Local and Virtual) Cost will be determined after more information is gathered.
- CFC does not market Charities, they provide opportunities for the Charity to market on CFC venues, as well as on your own. They suggest putting our CFC Charity number on Organization letterhead, marketing info, etc.