



ASSOCIATION OF OLD CROWS 2016 AOC Election Guide

Election runs September 1-30, 2016

AT LARGE DIRECTORS

Vote for 2



Norm Balchunas

As a brand-new EW going through Mather AFB, Norm was impressed by the outreach and support of the AOC and enjoyed learning through the *JED*'s "I was there" stories shared by proven warriors. As he matured in his career, Norm gained knowledge and experience in the need for sharing lessons learned and connect-

ing requirements and capabilities.

Over the course of various combat deployments and first-hand operational implementation of EMS capabilities, the constant need for innovation to save lives and insure mission completion was driven deeply into his professional ethos. After retiring from the Air Force, Norm sought out the opportunity to focus his experiences, and he fortunately worked at the AOC during a period of tremendous transition and evolution of its focus. Norm next seized an opportunity to work in research and development integrating new informatics and engineering capabilities for DARPA, Services, industry and academia. Returning to the Washington, DC, area, he is now supporting Service and Federal agency command/control planning capabilities, cyber security programs and advanced analytical laboratories.



Glenn Carlson

Glenn is an EW subject matter expert, working as the EA Capability Group Lead at BAE Systems Inc. He was formerly with MacAulay Brown, Inc. working at Headquarters Air Combat Command on airborne electronic attack, offensive and defensive EW, serving as a key analyst for Air Force Electronic Warfare Capabilities and Invest-

ment Strategy efforts, assisting on annual budgeting process for ACC AEA programs, and supporting Joint/Service Doctrine

and Instruction documents review. Glenn has more than 23 years of Air Force experience in air operations, requirements, test and evaluation, academics, information operations, cyber and spectrum operations.

He was an ACC Staff Officer and certified acquisition professional with requirements, plans and programming, operational, and engineering and test experience. As a B-52 EW Officer, instructor, evaluator, planner (Operation Desert Shield, Operation Enduring Freedom, Operation Iraqi Freedom and Pacific Stabilization), and Assistant Operations Officer, he has an in-depth understanding and knowledge of warfighting and battlefield requirements and needed technology investments across the electromagnetic spectrum. He managed the day-to-day operations of the 2nd Bomb Wing's Weapons and Tactics Division and also directed the Wing's exercise and inspection preparation program. Glenn also instructed mentored and advised American and international students at Air University as an instructor, research advisor and course director for both resident and distance-learning curriculums at Air Command and Staff College. He was elected to the AOC's International Board of Directors and now serve as Secretary on the Executive Committee and previously two years on the Awards Committee. He also serves as Vice President on the Granite State Roost board.



Kinga Kilgallen

For the past 15 years, Kinga has been an active member of AOC and the SIGINT/COMINT community, as well as director of COMINT Consulting, which is dedicated to providing actionable intelligence to a wide range of end-users.

During that time, Kinga has noticed a reliance on the large anchor companies in the EW arena for expertise and direction. However, the rapid response solutions that are needed to keep pace with the exploitation of the spectrum by targets of interest today frequently arise from smaller, nimble companies. Years of coordinating corporate and department operations have convinced Kinga

that connecting these businesses with each other and various agencies within the military, private industry, and intelligence sectors can accelerate technological advances and increase the quality of intelligence that we are able to secure from available signals.

As Kinga has attended AOC meetings over the years, she has seen many missed opportunities for information sharing that could reduce research spending and expanded information collection. By fostering collaboration over pure competition, we can see beyond our silos of specialty and begin building a tradition of circulating information beyond the usual networking opportunities at our annual gatherings.

AOC has been generous to allow her company to offer this message during AOC presentations, and now she would like to do more than talk about the gaps in information. Instead of waiting for someone else to fix the problem, Kinga would like to start creating strategies that can benefit all AOC members.



Bob Lindseth

Bob is "Leader of the Convention Volunteers." He is an Electronic Warfare Professional with decades of service in the focused portals of intelligence, EW, Cyber Operations and information activities.

The highlight of Bob's recent work for the AOC is being the leader of the great volunteers who support the AOC Convention. Over the past three years, the volunteers from all the clubs, roosts and nests have had an opportunity to see the AOC Convention from the inside by participating in every aspect of operations. Beyond that, Bob's work has been concentrated in government, academe and the corporate worlds. His lectures in academe include instructing officers at DIA's National Intelligence University (NIU), providing students with the knowledge and tools to ascertain the nature of information and emitter threats and methods to develop plans for regime change in hostile countries. Colonel Lindseth's military assignments include both field operations and Pentagon assignments. When serving on the Joint Staff (JCS/J2) as Deputy Director for Intelligence and Commander of the Task Force at Site-R, he led the National Security Team to successfully complete one of the most complex challenges ever undertaken by the United States. Other EW activities included Air Force Electronic Warfare Analyst and Chief of the ELINT Desk in the NMJIC.

Colonel Lindseth holds a BGS Degree from the University of Nebraska, (Omaha) and MA from St. Mary's University of Texas. He is a member of Omicron Delta Epsilon, the Economics Honorary Society, The Military Officers Association of America plus many others. Bob is currently the past president of the Capitol Club. His awards include the Department of Defense Legion of Merit, The EW Professional of the year and the Col Anton D. "Tony" Brees Lifetime Electronic Warfare Service Award.



Greg Patschke

Col Greg "Patch" Patschke, USAF (Ret.), has 26 years in the EW field. He brings a unique perspective, having worked on EW efforts for each service. During his 25 years in the Air Force as a career electronic warfare officer, he contributed to EW in multiple capacities: EW operations as a B-52 EWO, test and evaluation of EW systems,

commander of the 36th Electronic Warfare Squadron, combatant command EW planner, USAF EW Requirements on the Air Staff, and lastly, as a Brigade EWO for the Army during Operation Enduring Freedom. Before he retired, he held the position of the Director, Joint Electromagnetic Preparedness For Advanced Combat (JEPAC), US Strategic Command. This joint EW unit was responsible for the advancement of EW by conducting operational assessments to determine vulnerabilities/capability gaps, developing mitigation strategies, validating the solution, and then migrating the solution to a service or combatant command. In this capacity, he engaged EW experts within government, academia and industry to solve the tough EW issues.

He is currently a senior program manager at Lockheed Martin's Advanced Technology laboratories, responsible for Lockheed's spectrum protection and denial research area. In this role he was able to lead the last phase of DARPA's Behavioral Learning for Adaptive EW (BLADE) program by developing and successfully testing a cognitive EW system to defeat adaptive threats. Greg is an active AOC symposium presenter and received the 2015 AOC Executive Manager of the Year – Government Award, as well as the 2014 AOC Integrated Product Team of the Year Award.



Marv Potts

Marv is a firm believer of the AOC mission and is eager to help shape the Association into the future while maintaining the Association's rich tradition and history.

He has been an active member of the AOC for over 26 years, having served on the Kittyhawk Chapter Board of Directors, international symposium technical session chair, Kittyhawk Week Planning Committee, and the Kittyhawk Chapter website developer. He has been recognized at the national AOC level with induction into the technology Hall of Fame and is the past winner of multiple national and chapter awards.

Marv is currently the Senior Advisor for Spectrum Warfare at the Air Force Research Laboratory and an internationally recognized EW expert. He served on the recently completed Defense Science Board study that outlined many recommendations, including the formation of the EW Executive Committee.

Marv is the Air Force member of the EW Community of Interest (EW COI) Steering Group and the US national lead, EW Systems, of The Technical Cooperation Program, an international science and technology panel. Marv's background and experience provide him with a unique perspective of the future of EW, cyber operations and cognitive capabilities. These advanced capabilities will have a direct impact on the future of the AOC, its mission and its membership. Marv would be a valuable asset as member of the AOC board.



Mark Schallheim

Mark was first involved in the AOC over 30 years ago. He is passionate about EW and specifically about supporting the evolution from traditional EW to Joint EMS and Cyber Operations. His background is in naval airborne electronic attack (EA-6B and EA-18G). As the AEA IPT Lead, Avionics Chief Engineer at Point Mugu, and

NAVAIR EMS Dominance CHENG, he was in a pivotal role developing evolutionary EW capabilities and concepts. Mark has a BSEE, an MSEE and an MBA.

Mark is currently serving as Conference Committee Chairman on the AOC Board and is a member of the International Advisory Committee. He will help AOC expand advocacy, professional development, networking and collaboration to increase EMS maneuverability (as DOD awakens to this need). One part of this goal is to expand our ability to network across Service and international boundaries, as well as academia and industry (S&T to operational). Conferences are tools that he plans to continuously improve in terms of relevance and accessibility. In the past two years, Mark has donated hundreds of hours of his time in support of conference planning and management, and if elected he will continue to do so. Another of his goals is to support our ability to dynamically manage usage and reactions within the EMS environment (spatial and temporal). AOC is positioned to help industry and government system engineers reach across the larger communities of interest in developing EMSO protocols and standards.

Mark was a chapter president / chapter past president for 11 years. He will diligently support chapter involvement in AOC.



Paul Vavra

Paul would bring an interesting breadth of experience to the AOC Board.

Paul completed US Air Force basic training at 16, then served 25 years as both an airman and officer. His primary career field was as an RC-135 EWO, but his career encompassed both manned and unmanned ISR operations, command

of a joint reconnaissance center, director of intelligence, and service as a Foreign Area Officer. After his Air Force career, he served as a senior business development manager for BAE Systems and was responsible for myriad US and international programs, including manned/unmanned ISR, electronic combat / electronic warfare systems and support and test equipment. He retired from BAE Systems in 2015 and served as an independent EW and unmanned systems consultant, US Air Force Academy admissions officer, and volunteer for First Robotics. Paul has just assumed a new role as Business Development Executive at DRS Technologies, responsible for next generation electronic warfare range systems. He has a special interest in STEM programs and is constantly looking for innovative ways to grow the next generations of Old Crows. He has flown more than 260 combat/combat support/operational reconnaissance missions in the RC-135U/V/W and EP-3E.



Muddy Watters

Muddy views the AOC as an organization that is here to serve its members via education, representation, and inclusion. The Board of Directors serves and represents the membership and the President's role is to: provide strong leadership to, and for, the organization; provide a vision for the organization; support to the

members and chapters; challenge, and inspire, the Board to architect and implement the changes and actions required to make the AOC a respected partner and leader in the EW, Cyber, EMSO and IO communities. Muddy was instrumental in standing up the STEM program at the 2015 AOC International Symposium, and was the Conference Chairman for the highly successful Electromagnetic Spectrum Maneuver Conference held in conjunction with MAG-14 in October, he was also the main driver on the Board of Directors to expand the constitution to include spectrum and cyber. Muddy believes the AOC needs to provide members communication and awareness of what is occurring in our stated mission areas in the Services, OSD, OGAs, COCOMs, on the Hill and in industry, and that the AOC needs to take advantage of the expertise that resides in our chapters and membership. Muddy has a demonstrated record of providing the leadership, representation, and vision to the AOC to continue to grow the organization and improve the services provided to the membership, the chapters and our sponsors.

INTERNATIONAL REGION I

Vote for 1



Col (Ret.) Pierre-Alain Antione

Pierre-Alain is a FAF fighter pilot who has completed 6,200 flying hours on F-100's "Super Sabre," Mirages III E and Mirages IV A (strategic bomber), Jaguars and Alphajets during the last 30 years. In 1984, at Toul AB, he became Commanding Officer of the only FAF squadron equipped with Jaguars against offensive EW.

1990: he was appointed Director of the FAF Display Teams: Patrouille de France (similar to the Thunderbirds); EVAA (aerobatic team on a small propeller aircraft), which became World Champion under his command; and a Parachute team.

1992: he was appointed Director with the EW Polygone in Germany, a tri-national unit (USA - Germany - France). He also participated in the Deny Flight operation, Yugoslavia, and served in Saudi Arabia as Commander of the FAF detachment. In 1995, he joined the first European defense electronics company, THALES, as an EW operational adviser.

Pierre-Alain is an aeronautical consultant and a lecturer. He has given EW courses in France, UAE and in the UK. Pierre-Alain has also commented FAF airshows for 20 years (including the UK). He has written books and articles on aeronautics and aviation history and is very interested in WW2 intelligence matters. He contributed to the organization of two EW seminars in 2010 and 2014 at the Lafayette Chapter, France. A communicative spirit, he is eager to explain and promote interest to the young generation. His ability to pass on his knowledge and experience captures an audience and conveys the EW message.



Johannes Naumann

Johannes is a retired German Air Force Officer, who, after graduating in Electrical Engineering 1975, helped design, contract, test and field EW-Equipment for the legendary Phantom, Tornado, Typhoon (Eurofighter), Tiger (GE/FR attack helicopter) and flight and tactics simulators.

In 1984, he became a SIGINT – Officer and served at the then German-Czechoslovakian border. He later assumed command of GEWOSC (German EW Operations Support Center) that reprograms EW threat libraries, including HARM target libraries. He developed the EW Targeting Guide (EWTG) for use with ECR-Tornados with HARM. During his almost six years as Head of the Air Force Section of the German Armed Forces Command in Reston, VA, he raised heads as the

first non-US BOD member of the Capitol Club in Washington, DC and one of the founders of the Multinational Forum and it's first Chairman.

After returning from Washington, DC, in 2000, he served as a branch leader in air technologies at the German Intelligence Agency. Transferred to the Joint Forces Office he took responsibility for the capability analysis branch that developed the national requirements in the area of Intelligence Operations, EW, ISR-Equipment, and Euro-Hawk, and served as a chairman of many different working groups that prepared the papers needed to get the funding for procurement of ISR Systems for the German Armed Forces including R&D and F&T processes. He helped design the German Joint ISR Requirements and the Intelligence Dissemination Demonstrator, wrote the requirements paper for the German Joint Reconnaissance UAS and served as a delegate to NATO's Multi-Sensor Aerospace-Ground Joint ISR Interoperability Coalition (MAJIIC).



Sue Robertson

Sue gained a PhD in Particle Physics from London University, spending time at CERN, Geneva, gaining early experience of working in a diverse multinational environment. Her industrial career started with Racal in software development and research into ESM and ECM systems. She became an independent defense consultant

more than 20 years ago.

Sue's technical experience includes all aspects of EW systems development. She is an expert on airborne surveillance systems analysis and has developed trials programs and provided advice on system improvements for a variety of platforms. She believes an understanding of the RF environment is essential to successful EW operations in all domains.

Sue has written over 100 reports as a Defence Advisor and has contributed evidence to UK Parliamentary Committees on EW and ISTAR. As a UK Chapter BOD member she enjoys her role as Visits Director. She has recently chaired technical sessions at EW Europe conferences and participated in conferences organized by the Australian Chapter and in Asia. She is fortunate to still work in multinational teams comprising both military and civilian participants at all levels of seniority

Sue believes that diversity in the AOC and an international perspective should be encouraged and, if elected, she would seek to represent and engage with EW, Signals and Cyber professionals, young and old, male and female, from all parts of International Region 1 and beyond. She believes that the AOC can do more to lead in our field and more for our members and commits to furthering these if elected.

INTERNATIONAL REGION II

Vote for 1



Jeff Walsh

Jeff completes his first term on the AOC international board of directors in December 2016 after assisting the membership, awards, conference, and international advisory committees to improve the AOC value to members and in particular, in the improved planning and breadth of international conferences, major regional symposia

and regular grassroots annual/biennial chapter events. Jeff now looks forward to continuing this regional and international focus for the AOC as the International Director for Region II with a particular emphasis on: (a) further improving the International Advisory Committee engagement and planning international AOC conferences and venue selection; (b)

applying improved procedures for AOC global conferences with the global conference director; (c) aim for improved membership and sustainment of international AOC chapters; and (d) directly assist AOC chapters that need support or sustainment to stay organizationally strong, energized and “healthy.”

Jeff will continue to work with the AOC Board to ensure that the AOC strategy remains relevant to global strategic circumstances and continues to guide our direction, policy, decision making, operational implementation and, in turn, the most appropriate assignment of resources for members and for the EW Community in support of effective JEMSO, IO and related cyber operations. He also will work hard within the Board and the committee structures to ensure that the increased international focus on the West Pacific, North and South Asia, and into the Indian Ocean is assisted with a correspondingly heightened AOC focus on membership services, reenergized the chapter engagement, and strong international conference program in the region.

2016 On-Line Voting Instructions

Beginning September 1, AOC Members can visit the AOC homepage, www.crows.org, where they will see election information and a link to electionsonline.us, the independent vendor that will conduct the on-line election. Once connected to the electionsonline.us website, type in your AOC member number and password. The website will direct you to your ballot, where you can make your selections. If you have not logged on to the AOC website before, you need to use your membership number and “crows” as the password. Your membership number can be found on the mailing label of your copy of *JED*, your membership card or you may call AOC headquarters for assistance. Your dues must be current as of August 20 in order to vote. As with past AOC elections, your ballot is secret.

[Electionsonline.us](http://electionsonline.us) will hold all completed ballots, tabulate them and send the results to the AOC when the election is complete. Once you have cast your on-line vote, electionsonline.us will send you an e-mail confirming that they have received your completed ballot.

PAPER BALLOTS

For those AOC members who cannot vote on-line, the AOC has provided a paper ballot below. Members may cut out the paper ballot, mark it – including your member number (available on the front label of your *JED* and your name and contact information) – and mail it back to the AOC. Paper ballots must be postmarked no later than September 20, 2016. ✂

Ballots accepted September 1-30, 2016

2016 AOC Election Ballot

Ballots must be postmarked by September 20, 2016.

Name _____

AOC Member Number _____

E-mail address _____

Campaign Rules

Campaigning or electioneering on behalf of any candidate for AOC International office, with or without their knowledge or consent, is prohibited.

At Large Directors – Vote for 2

- | | | |
|--|--|--|
| <input type="checkbox"/> Norm Balchunas | <input type="checkbox"/> Bob Lindseth | <input type="checkbox"/> Mark Schallheim |
| <input type="checkbox"/> Glenn Carlson | <input type="checkbox"/> Greg Patschke | <input type="checkbox"/> Paul Vavra |
| <input type="checkbox"/> Kinga Kilgallen | <input type="checkbox"/> Marv Potts | <input type="checkbox"/> Muddy Watters |

AOC Regional Directors

International Region I – Vote for 1

- Col (Ret.) Pierre-Alain Antione
 Johannes Naumann Sue Robertson

International Region II – Vote for 1

- Jeff Walsh

