



Co-sponsored by the Center for Cryptologic History and the National Cryptologic Foundation

All sessions will be held virtually via Microsoft Teams. Registered attendees will receive a link to enter each session. All times are Eastern Daylight Time (EDT).

Wednesday, May 11, 2022

	SESSION 1	8:30 ам – 9:15 ам	
Welcome	Mr. John A. Toka	Mr. John A. Tokar, Chief, Center for Cryptologic History	
Keynote Address	Admiral Bobby Ra	Admiral Bobby Ray Inman, USN (ret.), former DIRNSA	
	SESSION 2	9:30 AM - 11:00 AM	

SESSION 2A Cyber Conflict & Competition

What we have learned about networks and data as strategic risk and reward

Dr. Aaron Brantly	The State+: The Condoning of Substate Activities for National Gain	
Dr. Eric Novotny	The Ayatollah's Kill Switch: Monitoring and Measuring Internet Shutdowns and Political Turmoil	
Dr. Thomas Rid	On Digital Counterintelligence	
Mr. JD Work	Cryptanalytic Enabling Operations against Cyber Targets by Nonstate Actors	
Chair and Discussant: Dr	r. Emily Goldman	

SESSION 2B

Topics in UK Cryptology

Dr. Chris Christensen	Bletchley Park's Work on JN-25
Dr. David Abrutat	Secret Messengers: How Bletchley Park's Product was Disseminated during the Second World War
Dr. David Kenyon	"A Divine Union Between Us and the People of Other Nations?" Exploring Racial Diversity in British SIGINT in South Asia, 1935-1945

	SESSION 3	11:15 A.M. – 12:00 P.M.	
Dr. David Hatch & Mr. Wade Forbes	The Making of "C	The Making of "CryptoComics"	
Moderator: Mr. John Toka	r		
	SESSION 4	12:15 р.м. – 12:45 Р.м.	
Ms. Erica Richards	The Making of "The Last Elephant Cage"		
	SESSION 5	1:00 р.м. – 2:30 р.м.	
Mr. Philippe Guillot Ms. Agathe Couderc General Jean-Louis Desvig Professor Jean-Jacques Qu Chair: General Jean-Louis L	isquater		
	SESSION 6	2:45 рм – 4:15 рм	
SESSION 6A Long-standing Ciphers Dr. Richard Bean & Dr. George Lasry		<u>s</u> iphers from the Biafran War	
Mr. Bob Bogart	Charles Hafer's Enciphered Diaries		
Dr. George Lasry	Deciphering Papal Ciphers from the 16th, 17th, and 18th Centuries		
SESSION 6B World War II Tactical Major Spencer French Dr. David Hatch Dr. Samuele F. S. Pardini	Not Just LUCKY: How Level Information Ac Tactical Naval SIGINT Reading Literature, D	^r Patton's Third Army Adapted to Generate Operational Ivantage from March-August 1944 ⁻ in the Battle for Iwo Jima Deciphering History: How a Jewish-American Literary Critic	
Session 6C <u>Collecting SIGINT</u> Mr. Gabe Marshall	Made Sense of WWI	I and Helped Win It Collection: A Foretaste of Today's Mission Operations	
Mr. Mark Borgerson	-	t Special Projects Ship	
Mr. Darnell Washington	The Sub Detection System you Probably Didn't Hear About		





Thursday, May 12, 2022

SESSION 7

8:00 AM - 9:30 AM

SESSION 7A	ouro Data Natwork Sustam (SDNS)
Mr. Roger Callahan	<u>cure Data Network System (SDNS)</u> Framing the Context for the SDNS Program
Dr. Stephen Kent	NSA's SDNS Program: Its Impact on Internet Security Standards (and vice versa)
Mr. Russ Housley	SDNS Influence on Email Security Standards
Mr. Alex Sharpe	The SDNS - The Value is Still Being Experienced today, including the Cloud.
Chair: Mr. Tony Rutkowski	
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Session 7B	
Cryptology and Prisone	rs of War
Mr. Peter Bedini	The MIS-X Code Section: Supporting Escape and Evasion in WW2
Mr. Gregory Nedved	Chinese POWs in Korea and Understanding Chinese Cryptology
Session 7C	
Cryptology's Intersection	on with Diplomacy
Mr. Frode Weierud &	Cryptology in the German Foreign Office, 1919-1954
Dr. Sandy Zabell	
Ms. Jennifer Rigdon Teter	British Imperial Censorship at Bermuda and the Interception of American
	Transatlantic Mail during World War II
Mr. John F. Dooley	Benjamin Brigman and Telegram 48

SESSION 8

9:45 AM - 11:15 AM

SESSION 8A

<u> Pre-Modern Cryptology</u>

SESSION 11A				
	SESSION 11	1:15 РМ — 2:45 РМ		
Dr. Paul Nahay	The Parkway Chorale			
	SESSION 10	12:30 р.м. – 1:05 р.м.		
Dr. Vince Houghton & Mr. Robert Simpson	Update on the National Cryptologic Museum and Library			
	SESSION 9	11:45 AM - 12:15 PM		
Mr. Austin Lubetkin	Rediscovering Coded Cyphers as Effective Methods for Digitally Interpreting Brainwaves			
Ms. Elonka Dunin & Mr. Klaus Schmeh	Robert Thouless's Paranormal Crypto Experiments			
Dr. Roger Stritmatter	Witty Numbers: Counting the Feet in Ben Jonson's First Folio Cryptogram			
SESSION 8C Explorations of Crypt				
Dr. Nicolas T. Courtois	On the Peculiar Choice of Rotors in Enigma and other Historical Cipher Machines			
SESSION 8B Icons of Technology Dr. Olga Topol & Sir Dermot Turing	Poland's WW2 Ciphe	r Machine: Icons and Legends		
Mr. Geoff Lee	Caesar's Hidden Writ	Caesar's Hidden Writing is Not a Cipher		
Dr. Gerhard Strasser	Diametrically Opposed Innovations: "Mute communication" for Closed and Open Interaction in the 16th and 17th Centuries			

Mr. Steven Loleski	Hard Targets: Revisiting Technology, Cryptography, and Cold War" Rules of the Game"
Dr. Ivo Juurvee	The Largest British SIGINT Liaison of the Interwar Years: Estonian Radio Intelligence against the Soviet Union
Mr. Klaus Schmeh	The Codes and Ciphers of the Red Army Faction

SESSION 11B

Going Online with KEPLER

Operational tests of Kepler Lab's advanced workstation design, transcription and analysis aids, and humancomputer interface innovations set benchmarks for future intelligence systems progress and acquisitions. Mr. Howard Thorpe Mr. Glenn Nordin Dr. Steven H. Barry

SESSION 11C

Women in Intelligence: British, Canadian, and American Perspectives			
Dr. John Ferris	Marie-Rose Egan, British Royal SIGINT from 1935-1948		
Dr. Isabel Campbell	WRCNS to the Rescue: How the Women's Royal Canadian Naval Service Contributed to Canadian and Allied Intelligence Functions during the Early Cold War		
Dr. David Sherman	Spies in the Family: A Father, A Daughter, and Two American Wars		
	SESSION 12	3:15 РМ – 5:00 РМ	
Concluding Remarks	Mr. John A. Tokar, Chief, CCH		
Cryptologic Icons: Some Ms. Brenda McIntire	e Old, Some New "Give to Ferner"		
Mr. Anthony Denzer	Personal Recollections of Brigadier John H. Tiltman		
Dr. Nicholas E. Reynolds	Wall Street to the Rescue: Alfred T. McCormack, Amateur – and Expert – MAGICian		
Ms. Amy Butler Greenfield	Elizebeth Smith Friedman, Abwehr Enigma, and Allied Codebreaking Cooperation, 1942-1944		
Mrs. Betsy Rohaly Smoot	The Case for Parker Hitt as the Father of American Military Cryptology		

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