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**Security Affairs  
Support Association  
(SASA)**



Presents

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**Tactical Intelligence  
and Related Activities  
(TIARA)  
Symposium**

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**8-9 February 1984  
Naval Surface Weapons Center, White Oak  
Silver Spring, Maryland**

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## **TIARA PROGRAM**

### **Wednesday, 8 February 1984**

- 0730 - 0900 Registration
- 0900 - 0910 Administrative Remarks
- 0910 - 0920 Introduction to TIARA  
*Dr. Robert J. Hermann, President, SASA*
- 0920 - 1000 TIARA Keynote  
*Mr. Donald C. Latham, Deputy Under Secretary of Defense (C<sup>3</sup>I)*
- 1000 - 1045 TIARA and the Congress  
*Mr. James Van Wagenen, Staff Member, HAC*  
*Mr. Duane Andrews, Staff Member, HPSCI*
- 1045 - 1100 Break
- 1100 - 1130 TIARA and the OSD  
*Dr. Roger K. Engel, Director, Tactical Intelligence Systems (C<sup>3</sup>I)*

The OSD perspective on the management and organization of TIARA. Issues addressed include the definition and mission of TIARA, major program elements, relationship to the force structure and National Intelligence, Congressional oversight, and OSD management roles and fiscal responsibilities.

- 1130 - 1230 TIARA - U.S. Army  
*Maj. Gen. Louis C. Wagner, Jr., USA,*  
*Director of Force Development*

Presentation covers current form and structure of TIARA within the Army. The TIARA mission and integration into the combat forces is also addressed.

- 1230 - 1345 Lunch at White Oak

- 1345 - 1445 TIARA - U.S. Navy  
*Rear Adm. George A. Aitcheson, USN, Director,*  
*C<sup>2</sup> Planning and Programming Division, OPNAV*

Presentation describes the Navy's organizational structure for managing TIARA, discusses in general terms the FY-84 Navy TIARA budget, and concludes with an overview of the 43 programs that constitute the Navy TIARA aggregation.

**1445 - 1545 TIARA - U.S. Air Force**  
*Maj. Gen. John H. Storrie, USAF, Director,  
Directorate of Space, DCS/P&O*

Presentation addresses the organization and composition of Air Force TIARA, with specific emphasis on several major programs. The importance of these programs now and in the future to meet DOD tactical/strategic objectives is also addressed.

**1545 - 1600 Break**

**1600 - 1700 TIARA - U.S. Marines**  
*Brig. Gen. Lloyd W. Smith, USMC, Director  
of Intelligence, HQUSMC*

Presentation discusses recent activities of the 22nd MAU in Grenada and Beirut to illustrate real-world application of TIARA capabilities. Discusses improvements in future capabilities now possible with current TIARA programs, and concludes with the Marine Corps management response to the TIARA challenge.

**1800 - 2000 Reception - Officers Mess - Bethesda Naval  
Medical Center**

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## **TIARA PROGRAM**

### **Thursday, 9 February 1984**

**0900 - 1000 TIARA - Defense Intelligence Agency**  
*Mr. Peter C. Oleson  
Assistant Deputy Director  
DIA for Plans and Policy*

Presentation addresses DIA's TIARA missions, the origin of these missions, the Agency's perspective, its relationship to the Services and Defense Agencies, and current and envisioned activities, efforts and initiatives.

**1000 - 1100 TIARA and INCA**  
*Mr. Richard H. Smith  
Director, INCA Project Office  
Assisted by Mr. Paul L. High, Mr. Thomas  
C. Haug and Lt. Col. David Fuller*

Presentation covers the origin of INCA and its goals and objectives; how the INCA Project Office intends to proceed with the development of the architecture in participation with the U&S Commands, the Services, Defense Agencies, and other activities.

**1100 - 1120 Break**

**1120 - 1220 TIARA and the National Security Agency**  
*Brig. Gen. David S. Watrous, USAF,*  
*Chief, Office of Support to Military Operations*

Presentation covers NSA's view of its role within TIARA, the management structure used to support TIARA functions, and issues impacting on TIARA and the 1980's.

**1230 - 1345 Lunch at White Oak**

**1345 - 1445 TIARA and the Joint Tactical Fusion Program**  
*Brig. Gen. Allan B. Salisbury, USA*  
*Director, JTFPO*

Presentation will provide an update on the progress of the Joint Tactical Fusion Program during the past year, and how Air Force and Army user participation has proven extraordinarily helpful in directing the evolutionary development process toward the fielding of an effective user oriented product.

**1445 - 1500 Closing Remarks**  
*Dr. Robert J. Hermann, President, SASA*

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## Robert J. Hermann

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*Dr. Robert J. Hermann is Vice President, Systems Technology for the Defense Group at United Technologies Corporation in Hartford, Connecticut. He came to that position from the Department of Defense where he served as Special Assistant for Intelligence to the Under Secretary of Defense for Research and Engineering. He served as Assistant Secretary of the Air Force for research, development and logistics from 1979 to 1981, and as Principal Deputy*

*Assistant Secretary of Defense with responsibility for command, control, communications and intelligence from 1977 to 1979. From 1975 to 1977, he served as a Special Assistant to General Haig, Supreme Allied Commander in Europe in Casteau, Belgium. Prior to that, he held various positions in research and engineering at the National Security Agency leading to the position of Deputy Director, NSA for Research and Engineering from 1973 to 1975. He received his bachelor of science, master's and Ph.D. degrees from Iowa State University.*

*Dr. Hermann is the recipient of numerous government and civilian awards, including the Department of the Air Force Exceptional Civilian Award in 1981; the Professional Achievement Citation in Engineering from Iowa State University in 1979; and the Arthur S. Fleming Award, given to the ten most outstanding young Federal employees, in 1971.*

## Donald C. Latham

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*Mr. Donald C. Latham became the Deputy Under Secretary of Defense (Communications, Command, Control, and Intelligence) in the Office of the Under Secretary of Defense for Research and Engineering, on July 26, 1981.*

*Previous to this assignment he was Division Vice President, Engineering, RCA Government Systems Division, since December 1978. In that capacity, Mr. Latham was responsible for coordinating and reviewing the engineering activities of the Division's four business units: Astro-Electronics, Automated Systems, Government Communications Systems, and*

*Missile and Surface Radar. These operating units address a broad range of government needs in tactical, strategic, and space systems for all military services, the National Aeronautics and Space Administration and other government agencies.*

*He was also directly responsible for the Division's Advanced Technology Laboratories in Camden, New Jersey. In addition, he directed a staff of senior engineers and technical advisers, and administered the Division's Independent Research and Development programs.*

*Before joining RCA, Mr. Latham was Director, Research and Engineering, for Martin Marietta Aerospace, Orlando Division, Orlando, Florida.*

*Starting as a member of the technical staff at Martin Marietta Aerospace in Baltimore in 1963, Mr. Latham was transferred to the Company's Orlando Division in 1965 and promoted to Manager-Advanced Programs. In 1968, he became Manager, Air and Ballistic Missile Defense Systems at the Orlando Facility.*

*In 1971, he left Martin Marietta to become Chief-Engineering Staff, of the U.S. National Security Agency European Headquarters, based in West Germany. In 1974, the National Security Agency appointed Mr. Latham as Deputy Chief, Office of Microwave Space and Mobile Systems, in Washington, D.C. In January 1977, he accepted the Research and Engineering directorship at Martin Marietta.*

*He served in the U.S. Air Force as an officer assigned to research and development activities for the National Security Agency from 1957 to 1959.*

*Mr. Latham received his bachelor of science degree in electrical engineering from The Citadel in 1955. He was awarded a master of science degree in electrical engineering and an advanced electrical engineering degree from the University of Arizona in 1957 and 1965, respectively, the latter while working for Martin Marietta.*

*Mr. Latham has written two books and has authored a large number of technical papers. He has contributed to numerous business and Department of Defense engineering studies, reports and proposals.*

*He is a member of Sigma Xi, Sigma Pi Sigma, and Tau Beta Pi.*

## **James S. Van Wagenen**

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*James S. Van Wagenen; born Poughkeepsie, New York, April 21, 1940; BA degree (Magna Cum Laude) St. Michael's College, Winooski, Vermont; four years U.S. Army Security Agency; five years history teacher on secondary level; ten years as special agent, FBI; five years on-loan from FBI to Appropriations Committee's Surveys and Investigations Staff; currently a professional staff member of the Defense Subcommittee, House Appropriations Committee with area of responsibility the intelligence budget of DoD.*



## **Duane Andrews**

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*Duane Andrews has been a Professional Staff member for the House Permanent Select Committee on Intelligence since the Committee was formed in 1977. He is the program and budget analyst for the Consolidated Cryptologic Program and Tactical Intelligence and Related Activities including the Tactical Cryptologic Program. Duane resigned an Air Force commission to go with the Committee, terminating almost 11 years in various Air Force intelligence assignments. He has a Bachelor of Science degree from the University of Florida and a Master of Arts from Central Michigan University.*

## **Roger K. Engel**

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*Dr. Roger K. Engel is the Director of Tactical Intelligence Systems in ODUSD (C<sup>3</sup>I). The Directorate is responsible for the planning, programming, and coordinating of all Tactical Intelligence and Related Activities (TIARA) and justifying their relationship to National Intelligence programs and to the force structure for both DoD and Congressional review.*

*Dr. Engel was born February 26, 1940, in New York City. He received his bachelor of Mechanical Engineering degree "Magna Cum Laude" from the City College of New York in 1962. Dr. Engel, a National Science Fellow, pursued graduate studies at New York University, receiving a Master's of Mechanical Engineering and Ph.D. degree in 1963 and 1965, respectively.*

*Dr. Engel spent two years of active duty in the U.S. Army as an instructor in small unit tactics and counter guerrilla warfare at the Florida Ranger Camp, Elgin AFB, Florida.*

*In 1968, Dr. Engel joined the Aerospace Corp. where he held numerous technical and management positions during his 11 years with the company to include Systems Engineering Director for a major classified space system, Deputy Director TENCAP project office and Manager Special Studies. Dr. Engel directed several TENCAP field activities demonstrating the utility of National Systems in support of tactical commanders.*

*Of particular note were his contributions and participation in the initial concept development phases of the Army's TENCAP program which led to the successful demonstrations and initial fielding of the Interim Tactical ELINT Processor (ITEP).*

*Dr. Engel joined TRW in October in 1978 as the Deputy Project Manager for the Battlefield Exploitation and Target Acquisition Test Bed (BETA) and was instrumental in the deployment and integration of BETA technology to Europe to provide an interim fusion capability.*

### **Major General Louis C. Wagner, Jr.**

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*Major General Louis C. Wagner, Jr., Assistant Deputy Chief of Staff for Operations and Plans, Force Development, was born in Jackson, Mississippi. He attended several military schools, including the U.S. Army Command and General Staff College and The Naval War College. He holds a bachelor of science degree from the U.S. Military Academy and a master's degree in Theoretical and Applied Mechanics from the University of Illinois.*

*From August 1972 through October 1974, General Wagner served in several capacities for the Chief of Staff, U.S. Army, including Deputy Director of the Materiel Programs Directorate and Executive and Special Assistant for the Army Materiel Acquisition Review Committee.*

*Between November 1974 and April 1976, he was Commander, 1st Brigade, 3d Armored Division, U.S. Army, Europe.*

*Then, until June 1980, the General served as Deputy Director of Materiel Plans and Programs and later as Director of Combat Systems for the Deputy Chief of Staff for Research, Development and Acquisitions, HQDA, in Washington, D.C.*

*During the period between June 1980 and January 1983, he was Commanding General, U.S. Army Armor Center & Ft. Knox at Ft. Knox, Kentucky.*

*General Wagner assumed his present duties as the Assistant Deputy Chief of Staff for Operations and Plans, Force Development, HQDA, Washington, D.C. in January 1983.*

*General Wagner has received several military awards and decorations that include, among others, the Distinguished Service Cross, the Silver Star, the Legion of Merit with oak leaf cluster, the Bronze Star Medal, the Meritorious Service Medal, and the Air Medal with oak leaf cluster.*

## Rear Admiral George A. Aitcheson



*Rear Admiral George Alfred Aitcheson, Jr., a native of Pennsylvania, born 3 May 1930, is the son of Dr. George A. Aitcheson (deceased) and Mary McKay Aitcheson of Warren, Ohio.*

*Rear Admiral Aitcheson entered the U.S. Navy as a Naval Aviation Cadet following graduation from the University of Pittsburg in June 1952. Upon completion of flight training in December 1953 and appointment as an Ensign, he attended the jet transition course at NAS, Kingsville, Texas. After completion, he reported to VF-192, deploying to WESTPAC aboard the USS ORISKANY. Following this tour, he reported to the Fleet All Weather Training Unit, Pacific, as a flight instructor.*

*In 1958 he reported to the U.S. Naval Test Pilot School, Patuxent River, Maryland, as a student, and following his graduation in June 1959, he was assigned to Weapons Systems Test as a project test pilot. He then reported to VF-141, later designated VF-53, where he completed WESTPAC deployments aboard the USS CONSTELLATION. He then served temporarily as flight instructor at VF-124 prior to attending the U.S. Naval War College, Newport, Rhode Island. While there, he received his Master's Degree from George Washington University in International Relations. He returned to the U.S. Naval Test Pilot School in July 1965 for duty as an instructor.*

*From August 1967 to January 1969, he served aboard the USS INTREPID as Aircraft Handling Officer, making two deployments to Southeast Asia. He reported to VF-191 in June 1969 as Executive Officer, assuming command in May 1970. Deploying aboard the USS ORISKANY, he made two deployments to Southeast Asia.*

*Rear Admiral Aitcheson reported to the U.S. Army War College, Carlisle Barracks, Pennsylvania, in July 1972. He assumed command of Attack Carrier Air Wing FIFTEEN in February 1973 and deployed to the Pacific aboard USS CORAL SEA. He then reported to Commander, Naval Air Force, U.S. Pacific Fleet in March 1974. He assumed command of the USS SACRAMENTO in March 1975 and made one deployment to the Western Pacific and Indian Ocean.*

*Upon completion of the Senior Officer's Ship Material Readiness Course at Idaho Falls, Idaho, Rear Admiral Aitcheson assumed command of the USS CORAL SEA on 1 March 1977, deploying to the Western Pacific. He then reported to the Commander in Chief Pacific in June 1978 as Chief of Current*

*Operations. Reporting to the Commander in Chief U.S. Pacific Fleet in September 1979, he served as Deputy Chief of Staff for Management/Fleet Inspector General. In June 1981 he was designated Commander, Carrier Group SEVEN, where he embarked in USS CONSTELLATION, deploying the Battle Group to WESTPAC and the Indian Ocean in 1982. The following year, embarked in USS RANGER, he participated in exercises in the Eastern Pacific and Central America. In August 1983, Rear Admiral Aitcheson reported to the Chief of Naval Operations as Director of the Command and Control Planning and Programming Division.*

*His decorations include the Defense Superior Service Medal, Legion of Merit with Gold Star, Meritorious Service Medal, Bronze Star, Air Medal, and Navy Commendation Medal.*

## Major General John H. Storrie



*Major General John H. Storrie is the director of space, Office of the Deputy Chief of Staff for Plans and Operations, Headquarters U.S. Air Force, Washington, D.C.*

*General Storrie was born February 17, 1931, in Corsicana, Texas. He attended Denton High School and graduated from Texas Agricultural and Mechanical University in 1953 with a bachelor of science degree in engineering. He earned a master's degree from Auburn (Alabama) University in*

*1972 and completed the Air War College at Maxwell Air Force Base, Alabama, also in 1972.*

*After receiving his commission in August 1953, he graduated from pilot training in December 1954. For the next five years he flew F-86s at Perrin Air Force Base, Texas; George Air Force Base, California; and Clark Air Base, Philippines. In 1959 he transferred to the Strategic Air Command and was an aircraft commander and instructor pilot in B-47s at Chennault Air Force Base, Louisiana, and in B-58s at Carswell Air Force Base, Texas. During this period he also served as operations officer in the 656th Bombardment Squadron.*

*In March 1965 the General moved to Beale Air Force Base, California, as part of the initial SR-71 cadre. He was one of the first instructor pilots in the SR-71. He was an SR-71 aircraft commander for more than five years, logging nearly 900 hours in the Mach 3 aircraft. From 1968 to 1971, he had extensive operational duty in Southeast Asia. In August 1971 General*

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*Storrie left Beale to attend the Air War College and in August 1972 was assigned to Air Force headquarters as chief of the Drone Management Group, Directorate of Reconnaissance and Electronic Warfare.*

*He returned to Beale Air Force Base in May 1974 as vice commander of the 9th Strategic Reconnaissance Wing and took command of the wing in June 1975. General Storrie returned to Air Force headquarters in September 1977 to serve as director of reconnaissance and electronic warfare. He held that position until July 1978 when the organization moved to Andrews Air Force Base, Maryland, where he served as Assistant Deputy Chief of Staff, Systems for Armament and Defense Suppression, Headquarters Air Force Systems Command. General Storrie became the command's inspector general in July 1979. He assumed his present duties in September 1981.*

*The General is a command pilot with more than 5,000 flying hours. His military decorations and awards include the Legion of Merit, Distinguished Flying Cross, Meritorious Service Medal, Air Medal, Air Force Commendation Medal, Combat Readiness Medal, and Vietnam Service Medal.*

*He was promoted to Major General on March 1, 1983, with date of rank July 1, 1979.*

### **Brigadier General Lloyd W. Smith, Jr.**



*Brigadier General Lloyd W. Smith, Jr., is the Director of Intelligence, Headquarters Marine Corps, Washington, D.C.*

*He was born on July 28, 1932, in St. Louis, Missouri, and grew up in the mid-west and Washington, D.C. He attended George Washington University and graduated from Doane College, Crete, Nebraska, with a B.S. degree in Political Science in 1954. He also holds an M.A. degree in Public Administration from Auburn (Alabama) Uni-*

*versity and served in an active Reserve unit as a sergeant until he was commissioned a second lieutenant in May 1954.*

*Upon graduation from the 3d Basic Course at Quantico, Virginia, in 1954, he was transferred to the 2d Marine Division, Camp Lejeune, North Carolina, for duty as platoon leader, S-2 and Assistant S-3, 3d Battalion, 2d Marines, until 1956. Transferred to Marine Barracks, San Juan, Puerto Rico, he served as a guard officer. He attended flight training at Pensacola, Florida, in June 1958, and upon completion was assigned to HMR(L)-261, New River, Jacksonville, North Carolina, for duty as a pilot.*

*From November 1959 to December 1963, General Smith served in various units as a pilot, Assistant Maintenance Officer, Assistant Air Group S-3, and standardization pilot. During this period, he served a tour in the Western Pacific with Marine Aircraft Group-16, which included duty in the Republic of Vietnam.*

*In December 1963, he was assigned to the Officer Candidates School, Quantico, where he served as the Assistant S-3 until February 1966, when he reported to the Amphibious Warfare School as a student. Upon completion, he transferred to Marine Aircraft Group-36, in Vietnam, where he served until October 1967 as an Air Group S-2, Air Defense Coordinator, Rifle Company Commander, and later, as the Maintenance and Operations Officer for VMO-6.*

*Upon his return to the United States, he was assigned to the Defense Intelligence Agency, Washington, D.C. He was Head of the Operations Group, Air and Missile Section, Chinese Communist Branch. He became Chief of the Section after promotion to lieutenant colonel and left the Agency in August 1970.*

*The following month, General Smith returned to New River for duty with MAG-26. He served as the Group S-1 until February 1971, and then became the first Commanding Officer of the Marine Corps' first Cobra Squadron, HMA-269. He left the squadron in June 1972 to attend the Air War College, Montgomery, Alabama, and is a Distinguished Graduate of the Air War College, class of 1973.*

*General Smith reported overseas in August 1973 and served as the S-4 and S-3 of MAG-36. He was the Executive Officer of PROVMAG-10 during Operation Fly-Away in Korea. Upon return to the U.S. in August 1974, he was assigned as an instructor at the U.S. Army War College, Carlisle, Pennsylvania. He also served as the senior Marine representative at the War College. He completed all requirements of the course and is a graduate of the Army War College.*

*Ordered to the 2d Marine Aircraft Wing, Cherry Point, North Carolina, in July 1977, he served as the Commanding Officer, MAG-29 until April 1979, when he was assigned as Air Officer, 2d Marine Division, Camp LeJeune, North Carolina. During January 1980, he assumed duty as the Chief of Staff, 2d Marine Division. While serving in this capacity he was selected in February 1981 for promotion to brigadier general. He was promoted to that grade on April 1, 1981, and assigned duty as the Assistant Wing Commander, 2d Marine Aircraft Wing, FMF, Atlantic, Marine Corps Air Station, Cherry Point, North Carolina, on April 16, 1981. He assumed his present assignment on May 23, 1983.*

*His previous promotions include: first lieutenant, December 1955; captain, January 1959; major, November 1965; lieutenant colonel, July 1969; and colonel July 1976.*

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*His personal decorations and awards include: the Distinguished Flying Cross; Meritorious Service Medal with oak leaf cluster; the Air Medal with Numeral 22; and the Navy Commendation Medal with Combat "V" and gold star.*

## **Peter Oleson**

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*As the Assistant Deputy Director for Plans and Policy, Mr. Oleson manages the activities of DIA in four broad areas: long-range planning, program and budget evaluation, special planning to support wartime emergencies, and technical systems simulation evaluation.*

*Mr. Oleson directs DIA's efforts in long-range planning for future intelligence capabilities and represents DIA and the Defense intelligence community in interagency planning fora, including the Interagency Group (Intelligence—IG—of the National Security Council structure.*

*In support of the Director, DIA, in his role as J-2 of the Joint Staff, Mr. Oleson orchestrates the evaluation of investment proposals in the National Foreign Intelligence Program (NFIP) and departmental Tactical Intelligence and Related Activities (TIARA). This program review encompasses all of the tactical intelligence efforts within DoD as well as the cryptologic, special reconnaissance, and intelligence support activities of the military departments and defense agencies.*

*Mr. Oleson also manages the planning and system development activities within the Defense intelligence community related to survivability enhancements to the National Military Command System (NMCS). This program is integral to upgrading the overall U.S. nuclear deterrent posture.*

*DIA's system simulation work is under Mr. Oleson's supervision. This effort applies system dynamics techniques to understanding future technical intelligence systems and their impact on intelligence community operations once fielded.*

*Mr. Oleson joined DIA in November 1981. From 1977 until November 1981, Mr. Oleson was in the Office of the Secretary of Defense, and in 1980 was named Director for Intelligence and Space Policy, Office of the Deputy Under Secretary of Defense for Policy. In this capacity, Mr. Oleson oversaw all intelligence, intelligence-related space and mapping policy issues within the Department of Defense. Prior to joining the office of the Secretary of Defense, Mr. Oleson was with the MITRE Corporation. From 1974 until 1976, Mr. Oleson worked with the Automated Systems*

*Division of RCA Corporation and was with the firm, Information Planning Associates, from 1972 to 1974.*

*From 1968 until 1972, Mr. Oleson served in the U.S. Air Force. He worked on national intelligence estimates, served as the daily intelligence briefer for the Chief of Staff, and while in Southeast Asia, served as liaison with the Central Intelligence Agency.*

## **Richard H. Smith**

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*Mr. Smith was born and raised in New England. He attended Tufts University before enlisting with the U.S. Army Security Agency in 1951, where he received training as a cryptanalyst. He was commissioned as a Signal Corps Officer in 1952 and served most of his early military years with the Army Security Agency and NSA. During the Cuban crisis, he was a ground forces intelligence analyst in the J-2 USEUCOM Current Intelligence Center. Later, he served as Deputy Chief of the Soviet Satellite Branch at G-2 USAREUR. In 1967 and 1968, Mr. Smith commanded the 7th Radio Research Battalion at UDORN, Thailand. Subsequently, he was assigned to the Army Office of the Assistant Chief of Staff for Intelligence as Director of Signals Intelligence.*

*Mr. Smith retired from the Service in 1971 and joined the Research Analysis Corporation as a systems analyst. From 1972 to 1975, he was with the Westinghouse Electric Corporation's Center for Advanced Studies and Analyses. He then joined NSA as a cryptologic operations officer, and in 1977 accepted a position with Army ACSI as Deputy Director for Intelligence Systems. In March 1983, Mr. Smith was appointed as the DIA INCA Project Director.*



## **Brigadier General David S. Watrous**



*Brigadier General David S. Watrous is chief, Office of Support to Military Operations, National Security Agency, Fort George G. Meade, Maryland.*

*General Watrous was born January 14, 1937, in New Haven, Connecticut and graduated from East Haven High School in 1954. He received a bachelor's degree in engineering and a commission as a second lieutenant in the U.S. Air Force from the University of Connecticut in 1958. The general*

*earned a master's degree in electrical engineering from the University of New Hampshire in 1967 and graduated from Squadron Officer School, Maxwell Air Force Base, Alabama, in 1962; Armed Forces Staff College, Norfolk, Virginia, in 1972; and the Industrial College of the Armed Forces, Fort Lesley J. McNair, Washington, D.C., in 1978.*

*After entering the Air Force in 1958, the General served as a communications officer at Malmstrom Air Force Base, Montana. He was then assigned to Moore Air Base, Texas, as a student pilot. In January 1960 he joined the Airways and Air Communications Service at Cannon Air Force Base, New Mexico, as a maintenance and supply officer. From July 1962 to June 1965, General Watrous was a project engineer with the 6970th Support Squadron at Fort George G. Meade.*

*Upon graduation from the University of New Hampshire in 1967, General Watrous was assigned as a staff development engineer with the deputy for reconnaissance and electronic warfare, Office of the Deputy Chief of Staff, Research and Development, Headquarters U.S. Air Force, Washington, D.C.*

*In February 1972 General Watrous transferred to Aeronautical Systems Division at Wright-Patterson Air Force Base, Ohio, where he served consecutively as the F-4 "Wild Weasel" project officer and later as management group leader for the Precision-Location Strike System. He became executive to the vice commander for Air Force Systems Command, Andrews Air Force Base, Maryland, in January 1975. From September 1978 to June 1981, he served as director for the Joint Tactical Information Distribution System, Electronic Systems Division, Hanscom Air Force Base, Massachusetts. He was named commander of the Foreign Technology Division at Wright-Patterson Air Force Base. General Watrous joined the National Security Agency in March 1983 as chief of tactical systems. He assumed his present duties in May 1983.*

*His military decorations and awards include the Defense Superior Service Medal, Legion of Merit, Meritorious Service Medal with two oak leaf clusters and Air Force Organizational Excellence Award ribbon.*

*He assumed the grade of Brigadier General May 24, 1983.*

## **Brigadier General Alan B. Salisbury**

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*Brigadier General Alan B. Salisbury is currently assigned as Director, Special Task Force, All Source Analysis System (ASAS) and Joint Program Manager, Joint Tactical Fusion Program (JTFP) reporting to the Deputy Chief of Staff for Operations and Plans, Headquarters, Department of the Army.*

*General Salisbury is a native of Maplewood, New Jersey, from where he entered the U.S. Military Academy, graduating in 1958. Following early assignments in field and fixed station communications, he did graduate work at Stanford University in Data Processing and Electrical Engineering, receiving an M.S. in Electrical Engineering in 1964. From 1964 to 1967, he was an Assistant Professor of Electrical Engineering at West Point. General Salisbury was assigned to the 1st Signal Brigade in Vietnam in 1968, where he was responsible for installation and operation of the Autodin terminals and switches until June 1969. From 1970 to 1971 he served as a technical advisor on computers and related matters in the Management Information Systems Directorate of the Office of the Chief of Staff, Army, within the Pentagon.*

*Following additional graduate study at Stanford University, General Salisbury received a Ph.D. in Computer Engineering and Computer Science in 1973. He was subsequently assigned as Deputy Director of Systems Engineering within the Office of the Project Manager, ARTADS. In 1975 he became the first Director of the Center for Tactical Computer Sciences (CENTACS), the Army's computer research and development laboratory. He left this assignment in December of 1976 to assume duties as Director (Project Manager) of the Position Location Reporting System (PLRS) within ARTADS prior to attending senior service college in August of 1977. In 1978, General Salisbury was assigned as Project Manager, Operations Tactical Data Systems (OPTADS). He served in this position until July 1982.*

*General Salisbury is a graduate of the Command and General Staff College (1970) and the Industrial College of the Armed Forces (1978). He is also the author of numerous technical and*

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*management papers, including a textbook on Microprogrammable Computer Architectures (Elsevier, 1976), and was the founding Editor of the Journal of Systems and Software. His avocational interests include personal computers and computer education. In this field he has authored many magazine articles and lectured extensively.*

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## **Security Affairs Support Association** *About the Association*

The Security Affairs Support Association (SASA) satisfies communications needs long felt by the people of the intelligence community. Since 1979, issues of interest to government and industry alike have been discussed in its forum. Key administrative, financial and operational problems of legitimate concern to its membership have been openly explored. To the great benefit of our common interest in national defense, this has been accomplished with due regard for the principles of security.

Although less than five years have passed since its organization, the Association has become a creative and useful force in the intelligence community. An innovative study of the opportunities to improve Classified Contracting contributed in a quietly effective way toward the solution of knotty problems in that field. Plans for additional work on that subject are underway.

A matter of great interest to our membership is the effective application of security procedures. SASA is undertaking a continuing study directed toward devising appropriate means for resolving problems arising from their administration. A major objective of the Association is to reduce costs and otherwise increase the efficiency of maintaining responsive programs of industrial security in the exacting environment of the intelligence community.

Individual and Corporate memberships have grown at a gratifying rate, underscoring the growing recognition accorded SASA. In 1982, the Association initiated the new grade, Honorary Member. DOD Directive 500.2 excludes government employees only from honorary membership.

The Security Affairs Support Association is a non-profit organization classified as a trade association under its Maryland Charter. Official actions have been initiated however to effect its conversion to that of a professional association. The Association is operated by its members through an elected Board of Directors and Officers who manage its daily affairs in accordance with its by-laws. The activities of SASA, as well as other topics of interest to the intelligence community, are reported in *COLLOQUY*, the Association's newsletter.

SASA is headquartered in downtown Annapolis, Maryland.  
Requests for additional information by telephone or mail are  
welcomed.

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