THE SPRING '90 SYMPOSIUM

STRATEGIC DIRECTIONS FOR THE NINETIES

THE
CENTRAL INTELLIGENCE AGENCY
LANGLEY, VIRGINIA

21-22 APRIL 1990
We Gratefully Acknowledge Support To The Fall '90 Symposium Provided By

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WELCOME:

On the threshold of the new decade, SASA is looking ahead to the challenges emerging in the wake of the dramatic developments that have taken place recently—and continue to unfold—on the world scene. Clearly, these happenings will alter our nation's modus vivendi of many years. There is, however, much to be resolved before anything approaching clarity removes the prevailing uncertainties. As we seek to understand what has and is happening, SASA will continue its traditional focus on the national intelligence endeavor and in so doing will place new programmatic emphasis on the identification and examination of those particular elements of change to which the endeavor will most likely have to respond. In consonance with that intention, the Spring '90 program has been designed as our initial exploration of world events and their possible implications for the national intelligence endeavor in the future.

As is readily apparent from a review of the program, we have again been extremely fortunate in being able to arrange for the participation of an outstanding group of key professionals from government and industry to enlighten us with their perspectives on the occurrences of recent months—to each of them, we are deeply indebted.

And to our host, the Central Intelligence Agency, for permitting us once more to enjoy their superb facilities and warm hospitality, we are most grateful.

Sincerely,

Pet Aldridge
President, SASA
SATURDAY, 21 APRIL 1990

0700 - 0830  Registration
0830 - 0835  Administrative Announcements
0835 - 0845  OPENING REMARKS
              The Honorable E. C. "Tuck" Aldridge, Jr.
              President, NSA
0845 - 0930  KEYNOTE ADDRESS
              The Honorable Dana P. Andrews
              Assistant Secretary of Defense

Command, Control, Communications and Intelligence

SESSION I

The session will deal with major intelligence topics and provide a strategic forecast for each area.

0930 - 1000  U.S. MILITARY FORCES AND THE CHANGING THREAT
              General Alfred M. Gray, USMC
              Commandant, United States Marine Corps

1000 - 1030  WEAPONS SYSTEMS AND ARMS CONTROL
              Mr. R. F. Fox
              Director, Office of Scientific and Weapons Research
              Central Intelligence Agency

1030 - 1050  Break

1050 - 1120  ECONOMICS AND TRADE
              Mrs. Michelle R. Van Cleve
              Assistant Director, National Security Affairs
              Office of Science and Technology Policy

1120 - 1150  UNCONVENTIONAL TARGETS
              Mr. Karl W. Rayle
              Deputy Chief, DEWOPS Measurements Center

1150 - 1220  COUNTERINTELLIGENCE
              Mr. H. E. Price
              Associate Deputy Director for Operations
              for Counterintelligence

1220 - 1330  Lunch

SESSION II

This session will deal with intelligence disciplines and subdisciplines with speakers describing the strategic directions that they see ahead, major problems and issues, emphasis on technology needs.

1330 - 1400  KEYNOTE ADDRESS
              The Honorable Martin C. Faga
              Assistant Secretary of the Air Forc (Space)

A senior Program Manager's view of the demands and pressures, cross program imperatives, bridging from requirements and customers to programs and systems.

1400 - 1430  SIGINT OVERVIEW
              Mr. J. C. device
              Chief of Staff
              National Security Agency

1430 - 1500  ELINT IN THE '90S
              Colonel Gerald F. Curtin, USAF
              Deputy Chief, Office of ELINT
              National Security Agency

1500 - 1520  Break

1520 - 1550  NATURAL LANGUAGE SYSTEMS
              Mr. Morris B. Levine
              Chief, Office of Technical Support
              National Security Agency

1550 - 1620  INFORMATION SYSTEMS TECHNOLOGY
              Mr. David L. Austin
              Assistant Deputy Director, TAKS (Technology)
              National Security Agency

1620 - 1650  MAINT
              Mr. Alan Bales
              Vice Chairman, JDC, MAINT Committee

1700 - 1900  Reception

SUNDAY, 22 APRIL 1990

0700 - 0830  Registration
0830 - 0900  IMAGERY OVERVIEW
              Mr. Wayne Strand
              Chairman, INTECOM/REX Committee
Program

0900 - 1000
IMAGERY COLLECTION AND PROCESSING SYSTEMS
Mr. Frank J. Ruscio
National Photographic Interpretation Center

1000 - 1100
IMAGERY DISSEMINATION SYSTEMS
Mr. Geoffrey Langasse
Director, Collection and Imagery Activities
Defense Intelligence Agency

1100 - 1200
HUMINT
Mr. Thomas Trott
Associate Deputy Director for Operations
Central Intelligence Agency

1230 - 1330
INDUSTRY ROUND TABLE

All of the roundtable participants are members of industry with extensive experience in U.S. intelligence. They will exchange with attendees, their perspectives on a broad spectrum of concerns and uncertainties regarding future intelligence activities.

Moderator
Dr. Robert J. Hermann
Vice President, Science & Technology
United Technologies Corporation

Members
The Honorable E. C. "Pete" Abbride, Jr.
President
McDonnell Douglas Electronic Systems Company
Mr. William Cressall
Vice President and Director
Command, Control, Communications and Intelligence Programs
Atlantic Aerospace Electronics Corporation
Mr. R. Evans Hiruma
Vice President
The Analytic Sciences Corporation
The Honorable Donald C. Latham
President, C/F System Division
Lockheed Missiles & Space Company, Inc.

Closing Remarks
The Honorable E. C. "Pete" Abbride, Jr.
President, SASSA

Biographies

The Honorable Duane P. Andrews
Mr. Andrews is the Assistant Secretary of Defense for Command, Control, Communications and Intelligence. His appointment dates from 29 November 1989.

Commissioned a Second Lieutenant in 1959 from the Air Force ROTC program, Mr. Andrews entered active duty in April 1961, and served until 1971 in assignments dealing with various intelligence analysis (including foreign command, control and communications systems) and security system management positions at the Foreign Technology Division, Wright-Patterson AFB, Ohio, 26th Tactical Air Support Squadron, Da Nang Air Base, Republic of Vietnam, and the Directorate of Operational Intelligence and Resource Management, Headquarters USAF, Washington, D.C.

In 1977, Mr. Andrews became a Professional Staff Member, Subcommittee on Program and Budget Authorization, House Permanent Select Committee on Intelligence as the principal reviewer for Department of Defense cryptologic, tactical intelligence and intelligence related activities including communications and computer security, electronic warfare, and strategic command, control and communications programs. In 1984, he became the principal program and budget reviewer for CEA programs and DOD cryptologic activities.

Mr. Andrews holds a BS Degree from the University of Florida (1967) and a Master's Degree in Management and Administration from Central Michigan University (1974). His military awards include the Bronze Star Medal, two Meritorious Service Medals, Air Force Commendation Medal and Republic of Vietnam Cross of Gallantry.

General Alfred M. Gray, USMCR

General Gray is the Commandant of the Marine Corps. He enlisted in the Marine Corps in 1950 and early tours included service with the 11th and 7th Marines, 1st Marine Division in Korea, and Headquarters Marine Corps, during which he saw service in Guantánamo Bay and Vietnam.

As a Major, General Gray joined the 12th Marines, 3rd Marine Division, Vietnam, in 1963, serving concurrently as regimental communications officer, regimental training officer, and artillery aircraft observer. He commanded the Composite Artillery Battalion and U.S. Free World Forces at Gia Linh in April 1967. In September he was reassigned to the 1st Marine Amphibious Force in Da Nang where he commanded the 1st Radio Battalion elements throughout I Corps until February 1968. Following a brief tour in the United States, he returned to Vietnam in 1969 in conjunction with surveillance and reconnaissance matters.

After his Vietnam tour, General Gray served as Commanding Officer of the 1st Battalion, 2nd Marines, Battalion Landing Team 1/2, and 2nd Marine Amphibious Unit and Commanding Officer of Camp Hansen, Okinawa. While Commanding the 2nd Marine Amphibious Unit and Regional Landing Team 4-3, and concurrently serving as Deputy commander, 4th Marine Amphibious Brigade, General Gray directed the Southeast Asia evacuation operations in 1975.

Advancing to Brigadier General in 1976, General Gray served as Commanding General, Landing Force Training Command, Atlantic, and the 4th Marine Amphibious Brigade. Promoted to Major General in 1981, Brigadier General Gray commanded the 2nd Marine Division, FMF, Atlantic in 1981. Following his promotion to Lieutenant General in 1984, he was assigned as Commanding General, FMP, Atlantic/Commanding General, II MAF, and Commanding General, FMF, Europe. General Gray was promoted to General and became Commandant on...
BIOGRAPHIES

MR. ROBERT L. FOORD
Mr. Ford is the Director of Scientific and Weapons Research, Central Intelligence Agency. He graduated from the United States Naval Academy in 1961 and entered immediately on active duty serving with the U.S. Pacific Fleet as a Weapons Officer and Operations Officer. In 1965, he resigned from active duty with the Navy and entered the CIA Career Development Program after which in 1967 he became an analyst in the agency’s Ballistic Missile Systems Branch. He assumed the post of Chief of the branch in 1973, remaining there until 1977 when he was appointed to head the Offensive and Space Systems Division. In 1979, Mr. Ford became the Chief, Naval Systems Division and was designated as the CIA representative to the Weapons and Space Systems Intelligence Committee. He was appointed as Chief of the Science and Technology Division in 1981 and the Chairman of the Scientific and Technical Intelligence Committee remaining in those posts until 1984 when he became the Deputy Director of the Office of Scientific and Weapons Research.

In 1988, he was transferred to the Staff of the CIA Inspector General. Mr. Ford was reassigned to the Office of Scientific and Weapons Research as its Director, in 1989.

THE HONORABLE MARTIN C. FAGA
Mr. Faga is Assistant Secretary of the Air Force for Space. He is responsible for overall supervision of Air Force space matters, with primary emphasis on policy, strategy and planning. He advises the Secretary and the Chief of Staff on space policies, plans, programs, budgets and operations. He develops broad goals, policies and guidance for USAF space programs, and ensures comprehensive, integrated planning of those activities. Mr. Faga serves as the focal point for DoD and interagency matters concerning program and policy interactions involving the Air Force. This includes maintaining cooperative relations with the other military services, NASA, and the Executive departments responsible for commercial space activities. He assumed his present position in September 1989.

Mr. Faga was commissioned as a Second Lieutenant, USAF through the ROTC program. He was an R&D officer in the Air Force from 1963 to 1968, working in the field of infrared reconnaissance and the application of laser technology to reconnaissance. He holds a Bachelor of Science Degree (1962) and a Master of Science Degree (1964) both in Electrical Engineering from Lehigh University.

BIOGRAPHIES

MR. JOHN P. DEVINE
Mr. Devine is the Chief of Staff, National Security Agency. Prior to assuming his current position, Mr. Devine was Deputy Director for Plans and Policy, NSA, from July 1987 to March 1989. He served as Assistant Deputy Director for Research and Engineering (Systems Acquisition) from July 1986 to July 1987; as Assistant Deputy Director for Plans and Policy from January to July 1986 and as Director of Plans, Plans and Policy Organization, 1982 to 1986.

Mr. Devine was Chief of the Joint Programs Group in the Research and Engineering Organization during 1982-84 and managed the development of a major NSA program from 1979 until 1983. Mr. Devine entered employment with NSA in 1960 as a design engineer and later served in a number of system engineering and program management positions. He held a field assignment in Germany between 1966-68. Mr. Devine was awarded the Presidential Rank Award of Merit in 1983. He received the NSA Exceptional Civilian Service Award in 1984 and the Presidential Rank Award of Distinguished Executive in 1989.

Mr. Devine holds a BS Degree in Electrical Engineering from Villanova University (1960) and performed graduate studies at Catholic University (1960-1961).

COLONEL GERALD F. CUSTIN, USAF
Colonel Custin is the Deputy Chief, Office of ELINT, National Security Agency.

He was commissioned in March 1963 and was assigned to undergraduate navigation training. He completed training as an Electronic Warfare (EW) Officer in October 1964.

From November 1964 until mid-1967, he was assigned to an EW Officer at the 4713th Defense System Evaluation Squadron at Stewart AFB, New York. In 1968, he was assigned to the 4th Tactical Electronic Warfare Squadron, Takhli RTAFB, Thailand. During this tour, he flew EB-66B C-2/C-1 aircraft and completed over 130 sorties. He was next assigned to the 7405 Support Squadron, Weiharden flying special air missions in C-17 aircraft. In May 1970, he was reassigned to HQ USAFE Intelligence until mid-1971 when he was assigned to NSA. In 1975, he attended ACSC, Maxwell AFB, Alabama and upon graduation assigned to HQ Allied Air Force Southern Europe, Naples, Italy.

He completed the Air War College in 1981 and was assigned to Electronic Security Command, Kelly AFB, Texas where he served as Chief, Exploitation Division within the Directorate of Offensive Operations through December 1982. In January 1983, Colonel Custin was assigned to Ramstein AB, Germany with Headquarters Electronic Security Division, Europe, and served as Director of Operations and Plans. In April 1984, he was reassigned as the Commander, European Defense Analysis Center, Stuttgart, Germany.

Colonel Custin holds a Bachelor’s Degree in Political Science from St. Joseph’s College (1962) and an MA Degree in Counseling from Ball State University (1972).
MR. MORRIS B. LEVINE

Mr. Levine is Chief, Office of Technical Support, NSA.

Until June 1988, Mr. Levine was Deputy Director RAMPAGE Special Program Office and Senior DDO representative to the SPO. The SPO was an integrated DDR/DDO/DDT organization established to design the next generation of advanced resources processing systems. During 1986-87, he was Chief of a joint NSA-Intelligence Community organization directing the operational use of national resources. From 1993 to 1996, he was Chief of the Advanced Systems Planning organization in the Operations Directorate. In 1990-92, he served as Deputy Chief of Operations at a major overseas facility. During the period 1976 to 1980, Mr. Levine was assigned to an NSA Operations Group staff, where he directed planning for a major new system upgrade. From 1962 to 1976, Mr. Levine served in a variety of assignments, both in the Air Force until 1967 and as a civilian thereafter. His career includes two years in industry, from 1968 to 1970.

Mr. Levine holds a BA Degree in Russian Studies from the University of Missouri (1962) and an MS Degree in Systems Management from the University of Southern California (1967).

MR. DAVID L. AUSTIN

Mr. Austin is the Assistant Deputy Director, T&CS (Technology), National Security Agency.

Prior to his present post which he assumed in 1989, Mr. Austin was the Chief of the office responsible for Automatic Data Processing and Communications Plans and Project Development within the National Security Agency. Before joining NSA, Mr. Austin was an Electronic Engineer with General Electric with ADP development responsibilities for a large missile tracking and guidance project.

Mr. Austin holds an MS Degree in Electronic Engineering from Syracuse University and has performed graduate studies in communications and computer design at George Washington University. He received the DCI National Intelligence Medal of Achievement and the Meritorious Executive Achievement in the Senior Cryptologic Executive Service, a Presidential Rank Award in 1984.

MR. WAYNE T. STRAND

Mr. Strand is Chairman of the DCI's Committee on Imagery Requirements and Exploitation (COMIREX).

Mr. Strand joined the CIA in 1963 and during his first two years was assigned to the National Photographic Interpretation Center. In 1965 he returned to his parent organization, the predecessor of the Office of Imagery Analysis, to work War Zone Past Ground Forces. Mr. Strand moved into the first of his management positions in 1967 as Chief of the Ground Forces Branch. During the next ten years he was assigned to different, increasingly responsible management positions within the Office of Imagery Analysis. In 1977, he was designated as Deputy Director of the office and in 1980 was appointed as Director of the office. In 1985, Mr. Strand entered an academic year a the State Department Senior Seminar. He returned from the seminar in May 1986 to assume his current position as Chairman, COMIREX.

Mr. Strand was awarded the Certificate of Distinction in 1969 for his work in developing new innovative methods to analyze Soviet and Chinese ground forces from imagery. He received the CIA Distinguished Officer Award in 1965 and the CIA Distinguished Officer Award in 1969.

He holds a Bachelor's Degree in Geography from Carroll College (1965) and a Master's Degree in Geography and Geology from Michigan State University (1965).

MR. ALVIN S. BALES

Mr. Bales was appointed Vice Chairman of the DCI's Measurement and Signature Intelligence (MASINT) Committee in October 1989.

Prior to his current assignment, he served as Deputy Chief, SDIO Support Branch, in the DIA's recently formed Weapons Acquisition Support Office.

Mr. Bales first joined the DIA as a naval analyst in 1977. In 1981, he accepted a rotational assignment with the Directorate for Collections, DIA, which led to a progression of collection management assignments all relating to improved national intelligence support to operational commanders.

Mr. Bales served as a regular naval officer during the period 1966 to 1977. His early fleet assignments included: Heavy Photographic Squadron Six Two; Circumnavier, and Carrier Division Six. Following a brief shore assignment with the Defense Intelligence Agency, he was reassigned to CONUS as the Operations and Requirements Officer for the Navy's Task Force 157. He left active naval service in 1977 but remains active in the naval reserve.

Mr. Bales holds a BS Degree in Experimental Psychology from the University of Georgia (1966). He was awarded an MA Degree in Organizational Psychology by George Mason University in 1983.

Mr. Bales holds a BS Degree in Experimental Psychology from the University of Georgia (1966). He was awarded an MA Degree in Organizational Psychology by George Mason University in 1983.
Mr. Frank J. Ruocco

Mr. Ruocco is the Director of the National Photographic Interpretation Center. He was commissioned in the U.S. Army in 1961 and thereafter served for three years with the Naval Security Group in Charleston, South Carolina. Mr. Ruocco joined the Central Intelligence Agency in 1965 and served in the Office of Strategic Research (OSR) and its predecessor organization until 1980. He completed the Naval War College in 1975 and upon his return to the Agency was appointed a Branch Chief in OSR, a Deputy Division Chief in April 1978 and a Division Chief in May 1979. Mr. Ruocco was named Deputy Director of Imagery Analysis in May 1980. In November 1982, he became Chief, Collection Requirements and Evaluation Staff. He was appointed Director of Central Reference in February 1985 and in June 1986 became the Director of the newly formed Office of Information Resources. He assumed his present post as Director of the National Photographic Interpretation Center in February 1988.

Mr. Ruocco holds a BA Degree in Economics from St. Peter's College, New Jersey (1961).

Mr. Geoffrey H. Langsam

Mr. Langsam is the Deputy Director for Collection and Imagery Activities, Defense Intelligence Agency. He joined DIA in 1964. Subsequently, from April 1971 until October 1972, he was designated a Supervisor Intelligence Operations Specialist in the Exploitation Branch, Imagery Division, Directorate for Collection and Surveillance. From October 1972 through June 1980, he served as a Supervisor Intelligence Specialist in the Exploitation Management Branch of the Imagery Division of the Directorate for Collection.

In June 1980, he became a Supervisor Intelligence Research Specialist in the Imagery Analysis Division of the Directorate for Research, and in March 1982, he was designated Chief of the Imagery Analysis Division where he remained until January 1986 at which time he was appointed Assistant Deputy Director for Imagery Exploitation in the Directorate for Foreign Intelligence. He assumed his present post in December 1988.

Mr. Langsam holds a Bachelor's Degree in History from Gettysburg College (1959). He attended the Industrial College of the Armed Forces (1977-78).

Mr. Robert J. Hermann

Mr. Hermann is Vice President of The Analytic Sciences Corporation. From 1956-1958, Mr. Hermann served as a Technical Intelligence Officer with the Army Ordnance Corps. Following his military service, Mr. Hermann was employed as a Mechanical Engineer with the Army Ordnance Technical Intelligence Agency in Arlington, Virginia, and in 1962 joined the Army Foreign Science and Technology Center as an Aeronautical Engineer.

In 1984, Mr. Hermann joined CIA as a Physical Scientist assigned to the newly formed Trajectory Analysis Division of the Foreign Missile and Space Analysis Center (FMASAC). He held several important positions with FMASAC within the next ten years, including Chief of the Project Staff and Chief, Systems Division. In 1972, Mr. Hermann was appointed Deputy Director of Weapons Intelligence, a position which he held until June 1976, at which time he was appointed Director of Weapons Intelligence.

In October 1979, Mr. Hermann became Deputy Director, National Foreign Assessment Center, and remained in that post until January 1982 when, after a complete reorganization of NFAC, he became Associate Deputy Director of Intelligence.

Mr. Hermann is the CIA member to the Global Missile and Astronautics Intelligence Committee (GMAC) of USPCC from 1967-72. In June 1972, he became Chair of GMAC until January 1976 when he was appointed Chair of the Weapons and Space Systems Intelligence Committee, a newly formed DDI committee. He continued as Chair of WSSIC until October 1979 when he became Deputy Director, NFAC.

In July 1982, Mr. Hermann was appointed Deputy Director for Science and Technology and remained in that post until he retired from CIA in August 1989.

Mr. Hermann holds a B.S. Degree in Mechanical Engineering from Lafayette College (1956).
MR. WILLIAM P. CROWELL

Mr. Crowell is Vice President and Director of Command, Control, Communications and Intelligence Programs, Atlantic Aerospace Electronics Corporation.

Until November 1989, Mr. Crowell was a member of the National Security Agency where he had served since 1982. Prior to joining NSA, he was Deputy Director for Programs and Resources.

Mr. Crowell was Chief of NSA's largest analytic group within the Operations Directorate from June 1985 to April 1986. During this assignment, Mr. Crowell was a member of numerous senior advisory panels within the Intelligence Community and the CNO Advanced Technology Panel.

From November 1983 to June 1985, he served as Chief of the Operations Group principally responsible for all Scientific and Technical Intelligence within NSA. He was Assistant Deputy Director for Administration from January 1982 to November 1983, and served as Deputy Chief and Acting Chief of a major Research and Development Group from August 1980 to January 1982.

Mr. Crowell was the Chairman of the Collection Support Requirements Subcommittee of the Joint Strategic Target Planning Staff (JSTPS) Scientific Advisory Group (SAG) in which he served for three years. Recently, he was an advisor to the Defense Science Board Task Force on U.S. Strategic Weapons Modernization Program and a previously serving on the DIA Consultants Panel.


THE HONORABLE EDWARD C. ALDRIDGE, JR.

Mr. Aldridge is the President of McDonnell Douglas Electronic System Company (MDESC).

He was the Secretary of the Air Force from June 1988 until December 1988. Previously, from 1981 to 1986, he served as the Under Secretary of the Air Force. In addition to his management responsibilities in this position, he provided overall direction, guidance and supervision for Air Force space programs.

Prior to joining the Department of Defense initially in 1967, Mr. Aldridge held various staff and management positions with Douglas Aircraft Co., Middles and Space Division, in Santa Monica, CA and in Washington, D.C.

In 1967, he joined the staff of the Assistant Secretary of Defense for Systems Analysis as an operations research analyst and then served as Director of the Strategic Defense Division until 1972.

He re-entered private industry in 1972 as a senior manager with LTV Aerospace Corp in Dallas for a year until he was named senior management associate in the Office of Management and Budget. Returning to the Department of Defense in February 1974, Mr. Aldridge served as Deputy Assistant Secretary of Defense for Strategic Programs until March 1976 when he was appointed, Director, Planning and Evaluation, a principal advisor to the Secretary of Defense in the planning and program evaluation of U.S. military forces and support structure.

He was named Vice President, National Policy and Strategic Systems Group for the System Planning Corporation, Arlington, VA, in March 1977 and remained with SPC until 1981.

Mr. Aldridge holds a B.S. Degree in Aeronautical Engineering, Texas A&M University (1962) and an M.S. Degree in Aeronautical Engineering, Georgia Institute of Technology (1962).

THE HONORABLE DONALD C. LATHAM

Mr. Latham is President CJI Division, Lockheed Missiles and Space Company. Prior to his current position he was Vice President, Systems Group, Computer Sciences Corporation. Mr. Latham served in the Assistant Secretary of Defense C11 from August 1984 until July 1987. Previously he had served as the Deputy Under Secretary of Defense C11 from July 1981. Prior to his Pentagon assignments, he was Division Vice President, Engineering, RCA Government Systems Division, since December 1978. Before joining RCA, Mr. Latham was Director, Research and Engineering, for Martin Marietta Aerospace, Orlando, Florida.

Starting as a member of the technical staff at Martin Marietta Aerospace in Baltimore in 1963, Mr. Latham was transferred to the Orlando Division in 1975 and promoted to Manager, Advanced Programs. In 1988, 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 NSA European Headquarters. In 1974, NSA appointed Mr. Latham as Deputy Chief, Office of Microwave Space and Mobile Systems. In January 1977, he accepted the Research and Engineering directorship at Martin Marietta.

As an Air Force officer, Mr. Latham was assigned to research and development activities at NSA from 1955 to 1959. Mr. Latham holds a B.S. Degree in Electrical Engineering from The Citadel (1955). He was awarded an M.S. Degree in Electrical Engineering and an advanced Electrical Engineering Degree from the University of Arizona in 1957 and 1961, respectively.
MS. MICHELLE K. VAN CLEAVE

Ms. Van Cleave was reappointed Assistant Director for National Security Affairs and Counsel, White House Office of Science and Technology Policy, on 1 October 1989—positions she had held from August 1987 through February 1989. Prior to rejoining OSTP, Ms. Van Cleave served as Republican Counsel to the Committee on Science, Space, and Technology, U.S. House of Representatives.

From 1981 through July 1987, Ms. Van Cleave was Assistant for Defense and Foreign Policy to Congressman Jack Kemp (R-NY), serving concurrently as National Security Assistant to the House Republican Conference and Associate Staff Member, House Appropriations Subcommittee on Foreign Operations.

Ms. Van Cleave was Coordinator and Staff Attorney in the Office of the General Counsel, 1981 Presidential Inaugural Committee, and assisted in the work of the Department of Defense Transition Team Office of President-elect Reagan 1984. At the Republican Convention in 1980, Ms. Van Cleave was a member of the Platform Committee Staff, with responsibilities for foreign policy.

Ms. Van Cleave has served as a member of the Board of Advisors, Center for Security Policy, and as a consultant to the Heritage Foundation, the Fund for American Rehabilitation, and the American Security Council. She also served as a Congressional Staff Advisor to the U.S. delegation to the United Nations Second Special Session on Disarmament.

Ms. Van Cleave holds B.A. and M.A. Degrees in International Relations from the University of Southern California and a J.D. from the U.S.C. School of Law. She is a member of the State Bar of California.

MR. KARL W. RYULE

Mr. Ryule is the Deputy Chief, DCI's Counterterrorist Center.

He joined the Central Intelligence Agency in 1967 through the agency's Career Training Program and since that time has had numerous positions within the Directorate of Intelligence. His many assignments included Chief, Arab-Israeli Division; Chief, Persian Gulf Division; and Chief, Product Evaluation Staff.

In 1986, Mr. Ryule was designated Vice Chairman of the DCI's SIGINT Committee and in 1989, he became Deputy Chief of the DCI's Counterterrorist Center, a post he presently holds.

MR. THOMAS A. TWETTEN

Mr. Twetten is the Associate Deputy Director for Operations, Central Intelligence Agency. Mr. Twetten entered U.S. Government service in 1961. He was appointed to his present position in June 1988.

He has served overseas for three years to include tours in Nigeria, Libya, Ghana, India and Jordan.

Mr. Twetten holds a B.S. Degree in Psychology from Iowa State University (1957) and an M.A. Degree in International Affairs from Columbia University (1961).

(No Photo Available)
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Russell W. Frame, President, DATATAPE Incorporated
Penman R. Gilliam, Deputy Director, Management & Technology,
Defense Mapping Agency
Charles A. Hawkins, Deputy Assistant Secretary of Defense
(Intelligence)
Lt. Gen. Edward J. Heintz, USAF, (Ret.)
Mark V. Hughes, III, Senior Vice President & General Manager,
Planning Research Corporation, DSSD
Robert J. Kohler, Vice President & General Manager
TRW - Avionics & Surveillance Group
James W. McNulty, President, Martin Marietta Space Systems
Lt. Gen. Harry E. Spyder, USA, Director, Defense Intelligence Agency
Vice Adm. William O. Stradem, USN, Director, National Security Agency
Kenneth R. Swimm, General Manager, Military & Data Systems Ops.,
General Electric Company
ABOUT THE ASSOCIATION...

The Security Affairs Support Association (SASA) is chartered as a professional association by the State of Maryland. It was established in April 1979 to "enhance the relationships and understanding among those in government, industry and academe who are involved in and concerned with the well-being and success of the national intelligence endeavor".

In the eleven years which have passed since its creation, SASA has become an active and useful force in the Intelligence Community. Satisfying a communications need long felt in the community, issues of interest to government and industry alike have been discussed in its forum. Key policy, operational and administrative issues of legitimate concern to its membership are being continually explored.

In 1984, SASA inaugurated its award program when the DCI presented the SASA Medal of Achievement to Dr. William Oliver Baker "for his enduring contributions to National Security and Freedom". The medal is now designated the William Oliver Baker Award and is presented annually to an individual from government, industry, or academe who has performed distinguished service in support of the national intelligence endeavor. Senator Barry Goldwater received the award in 1985, Ambassador Vernon Walters, 1986; Ambassador Richard Helms, 1987; Dr. Edwin Land, 1988; and Admiral Bobby R. Inman, 1989.

SASA continues to pursue its objective of "enhancing relationships and understanding" among all who support the national intelligence endeavor, through a series of symposia on topics of high current interest which have included, TACTICAL INTELLIGENCE and RELATED ACTIVITIES (TIARA)**SOFTWARE TRENDS in the INTELLIGENCE COMMUNITY**INTELLIGENCE SUPPORT to NATO**INFOSEC FOR THE NINETIES**SECURITY TRENDS and IMPACTS**TECHNOLOGY SECURITY**MANAGING CHANGE**TECHNOLOGY SHORTFALLS IN INTELLIGENCE ARCHITECTURES**GLASNOST and PERESTROIKA—IMPLICATIONS FOR U.S. INTELLIGENCE**TREATY MONITORING and VERIFICATION-IMPLICATIONS FOR U. S. INTELLIGENCE**EUROPE '92. In January, 1987, SASA implemented its Security Support Program. Under this program, SASA is now prepared to receive from its members, on a non-attribution basis, generic unclassified industrial security issues and problems for appropriate action.

SASA is a non-profit organization operated by its members through an elected Board of Directors and Officers who manage its affairs and programs in accordance with its by-laws. The activities of the association, and other topics of interest to the Intelligence Community are reported in its newsletter--COLLOQUY.

"Overconcern the SASA plan for their 1986 events, the Assistant Secretary of Defense (Public Affairs) found these events met the standards for participation by DoD personnel under DoD Instruction 5000.7. This finding does not constitutes DoD endorsement of attendance..."
Security Affairs Support Association
SASA is headquartered in Annapolis, Maryland
Requests for additional information by telephone or mail are welcomed.

Security Affairs Support Association
Suite 120, 2662 Riva Road
Annapolis, Maryland 21401
(301) 841-6555
FAX (301) 266-7554