



PIONEERS OF NATIONAL RECONNAISSANCE

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FOREWORD

October 2017

The National Reconnaissance Pioneer Program recognizes and honors individuals who have made significant and lasting contributions to national reconnaissance—pioneering contributions that were innovative, remarkable, and changed the direction and scope of the discipline and its practice. It is the highest honor in the field of national reconnaissance.

For the Pioneer Class of 2016, the Director of National Reconnaissance, Ms. Betty Sapp, selected Mr. Thomas R. Reinehr, whose innovation in developing concepts, algorithms, and operational solutions resulted in the production of high-quality, unique collection capabilities that provided daily intelligence products required by both tactical warfighters and strategic decision makers.

The October 2017 Pioneer Recognition Ceremony formally inducts Mr. Reinehr, the NRO's 2016 Pioneer honoree, into NRO's Pioneer Hall. Pioneer Hall is a collection of commemorative medallions, one for each of NRO's Pioneers of National Reconnaissance. The medallions serve as enduring tributes to the pioneers' trailblazing contributions to the discipline of national reconnaissance. This booklet includes the words that appear on Mr. Reinehr's medallion and briefly explains the nature of Pioneer Reinehr's specific contribution. Mr. Reinehr's medallion now joins the other 92 medallions that commemorate the contributions of Pioneers from previous classes. When you visit Pioneer Hall, I encourage you to review the citations on the medallions to gain a sense of the scope of the Pioneers' contributions and the lasting impact they had on the NRO and our nation's national security.



Robert A. McDonald, PhD.
Director, Center for the Study of National Reconnaissance



MR. THOMAS R. REINEHR

MEDALLION CITATION

In the 1990s–2000, Mr. Thomas R. Reinehr pioneered the development of concepts and algorithms, the “Reinehr Combiner”, and other operational processing solutions that advanced the development of generations of imaging systems. These innovative technologies enabled vital missions to provide tactical warfighters, and strategic decision makers, with expanded imagery intelligence to address evolving threats.

Period of Pioneering Contribution: 1992–2000

THOMAS R. REINEHR

During the 1990s through 2000, Mr. Reinehr developed innovative operational processing solutions, associated calibration techniques, and novel methods for processing imagery. During the Pioneer Recognition Ceremony for his induction into NRO's Pioneer Hall, he is to be presented with a commemorative plaque that contains an expanded citation, which states:

“In the 1990s through early 2000, Mr. Thomas R. Reinehr pioneered the development of concepts and algorithms that came to be known as the “Reinehr Combiner,” as well as other innovative operational processing solutions, calibration techniques, and novel methods for producing high-quality special imagery. These technologies have had applications in multiple generations of imaging systems, and enabled vital imaging operations over high priority targets for the rapid and timely assessment of enemy deployments. Mr. Reinehr’s pioneering contributions added to existing imaging capabilities, and enabled new missions to address evolving threats and provide the tactical warfighter and strategic decision maker with expanded intelligence products on a daily basis.”

Mr. Reinehr currently is employed by Raytheon Space and Airborne Systems, where he is a principal engineering fellow and continues his work in systems engineering. Mr. Reinehr grew up in Mt. Blanchard, Ohio, and he holds a bachelor's degree in electrical engineering from the University of Toledo, and an MS degree in electrical engineering from the University of California, Irvine.

Career in National Reconnaissance: 1988–2017

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2016

Thomas R. Reinehr

2015

L. Porter Davis

2014

Thomas C. "Chris" Fitzsimmons

John. R Stavlo

2013

William G. Montgomery

Donald N. Simkins, Ph.D.

2012

Robert P. O'Donnell, Ph.D.

2011

Thomas A. Brackey

Joseph J. Eash III, Col, USAF (Ret)

Michael N. Parker, Ph.D.

John W. Shipley, Ph.D.

Richard C. Van Wagoner

2010

Robert H. Dumais

Jack A. Gibbs, Brig Gen, USAF (Ret)

Richard J. Randazzo, Col, USAF (Ret)

2009

James P. Campbell, Ph.D.

Lacy G. Cook

Michael F. Maguire

2008

Raymond E. Anderson, Col, USAF (Ret)

Howard G. Brotherton

Hilliard W. Paige, Sr.

2007

Paul G. Kaminski

Sun Yet Wong

2006

Ingard M. Clausen

Fred V. Hellrich

David L. Klinger, Ph.D.

Jane A. Wood

2005

Robert E. Eisenhauer

Roger C. Marsh

Edward A. Miller, Ph.D.

Wayne L. Proffitt

2004

M. Sam Araki

Harvey Cohen, Lt Col, USAF (Ret)

Robert G. Kaemmerer

James W. McAnally

2003

Carl L. Ferdensi, Jr.

David Rasper, Col, USAF (Ret)

James W. Stoner, Ph.D.

Charles C. Tevis

2002

Vanice D. Coffman, Ph.D.

Lee M. Hammarstrom

Robert L. Paulson, Col, USAF (Ret)

2001

Donald L. Cromer, Lt Gen, USAF (Ret)

A.J. (Tony) Iorillo

Vincent S. Rose

John Walton

2000

James G. Baker, Ph.D.

C. Lee Battle, Jr., Col, USAF (Ret)

John T. Bennett

John W. Browning, Col, USAF (Ret)

Jon H. Bryson, Col, USAF (Ret)

A. Roy Burks

Frank S. Buzard, Col, USAF (Ret)

Cornelius W. "Connie" Chambers

John O. Copley, Col, USAF (Ret)

Robert H. Crosier

John J. Crowley

James C. de Broeckert

Gary S. Geyer, Col, USAF (Ret)

Thomas O. Haig, Col, USAF (Ret)

Frederick H. Kaufman

Robert J. Kohler

Ellis E. Lapin

Lloyd K. Lauderdale, Ph.D.

Richard S. Leghorn, Col, USAF (Ret)

Walter J. Levison

Howard O. Lorenzen

Frank J. Madden

James T. Mannen, Col, USAF (Ret)

Paul W. Mayhew, Ph.D.

Reid D. Mayo

James E. Morgan

Mark N. Morton

Alden V. Munson, Jr.

Charles L. Murphy, Col, USAF (Ret)

Frederic C.E. "Fritz" Oder, Col, USAF (Ret)

John Parangosky

Julius P. "Val" Peline, Ph.D.

Robert M. Powell

Edward H. Reese

Osmond J. "Ozzie" Ritland,

Major General, USAF (Ret)

Lee W. Roberts, Col, USAF (Ret)

Charles R. "Charlie" Roth

Robert W. "Rob" Roy, Col, USAF (Ret)

Charles P. Spoelhof

Forrest H. Stieg

Marvin S. Stone, Ph.D.

Don F. Tang

Albert D. "Bud" Wheelon, Ph.D.

Peter G. Wilhelm

Roy H. Worthington, Col, USAF (Ret)

Robert W. Yundt, Col, USAF (Ret)

*Pioneer Hall
National Reconnaissance Office
Chantilly, Virginia*





