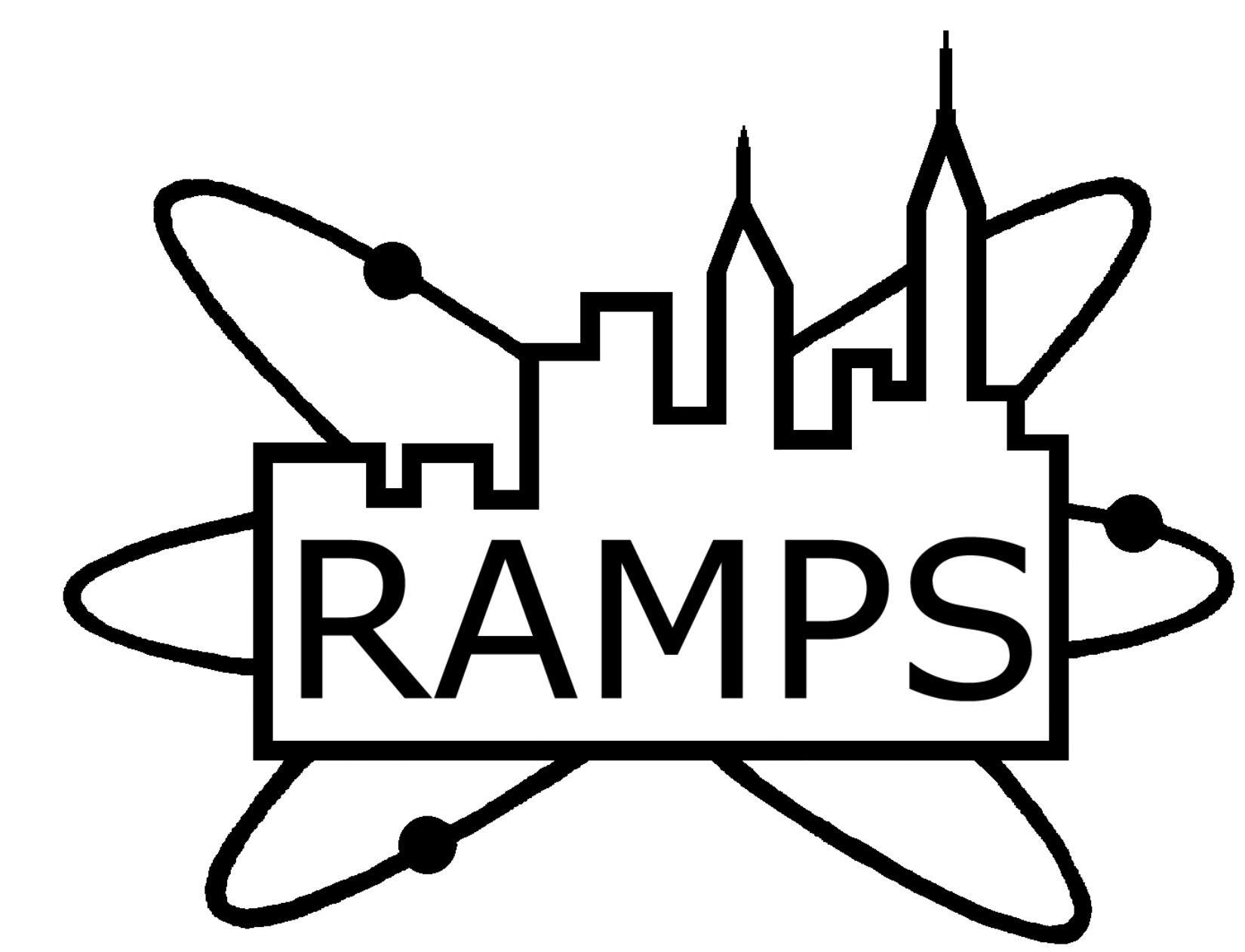




# The Radiological and Medical Physics Society of New York

## RAMPS 1948 – 2017

### The Earliest Organization of Medical Physicists in the United States



#### History of RAMPS

During the mid 1940's, physicists associated with medical institutions in the metropolitan New York City region commenced meetings to compare instrumentation and their measurements of the quantity of radioactivity in solutions in medical use. This was necessary for uniformity, and also for accuracy since the national standard available appeared to be inconsistent. This was just prior to the availability of megavoltage x rays and electrons, and the primary concern of the physicists was associated with the uses of radioactive nuclides. The clinical uses of iodine-131 and other radionuclides (phosphorus-32, yttrium-90, etc.) were being actively explored and agreement on the amount of activity being administered was essential. Such measurements led to the "New York Millicurie," which served a vital purpose.

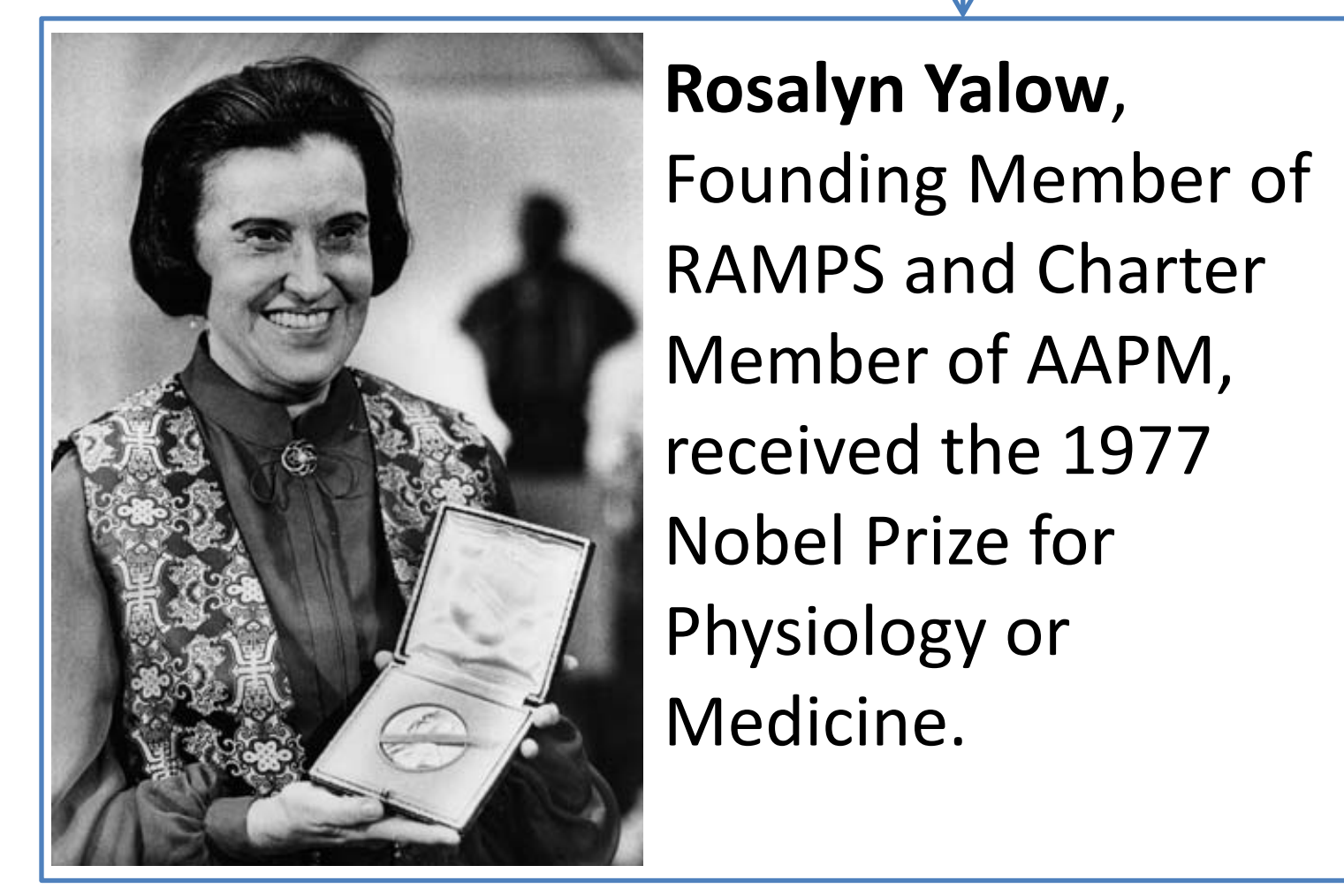
By 1948 the meetings of these medical physicists were on a scheduled basis with elected officers and records. Those initially active in RAMPS included **Mones Berman, Hanson Blatz, Carl Braestrup, Giacchino Failla, Sergei Feitelberg, Elizabeth Focht, Hiram Hart, Lillian Jacobson, Robert Loevinger, Leo Marinelli, Eleanor Oshry, Edith Quimby, Edward Siegel, Aaron Yalow, Rosalyn Yalow**, and others. This group established the measurement procedure for the "New York Millicurie," and their meetings served both scientific and professional functions. A constitution was written in 1954 by **R. Yalow** and **J. Laughlin**, and revised in 1957 by them. RAMPS has continued to grow from its modest beginning to a current membership of about 150 and conducts monthly meetings which are well attended. Their meetings usually include scientific presentations by a member or guest on physical aspects of treatment, diagnosis, nuclear medicine, or protection. Also, a symposium on a pertinent scientific topic is held annually. RAMPS welcomed the initiation of the AAPM and became a chapter in it.

From **J. S. Laughlin** and **P. N. Goodwin**: *History of the AAPM 1958–1998, Medical Physics 25(7, part 2): 1240-1241; 1998*. Reproduced here with the permission of the AAPM

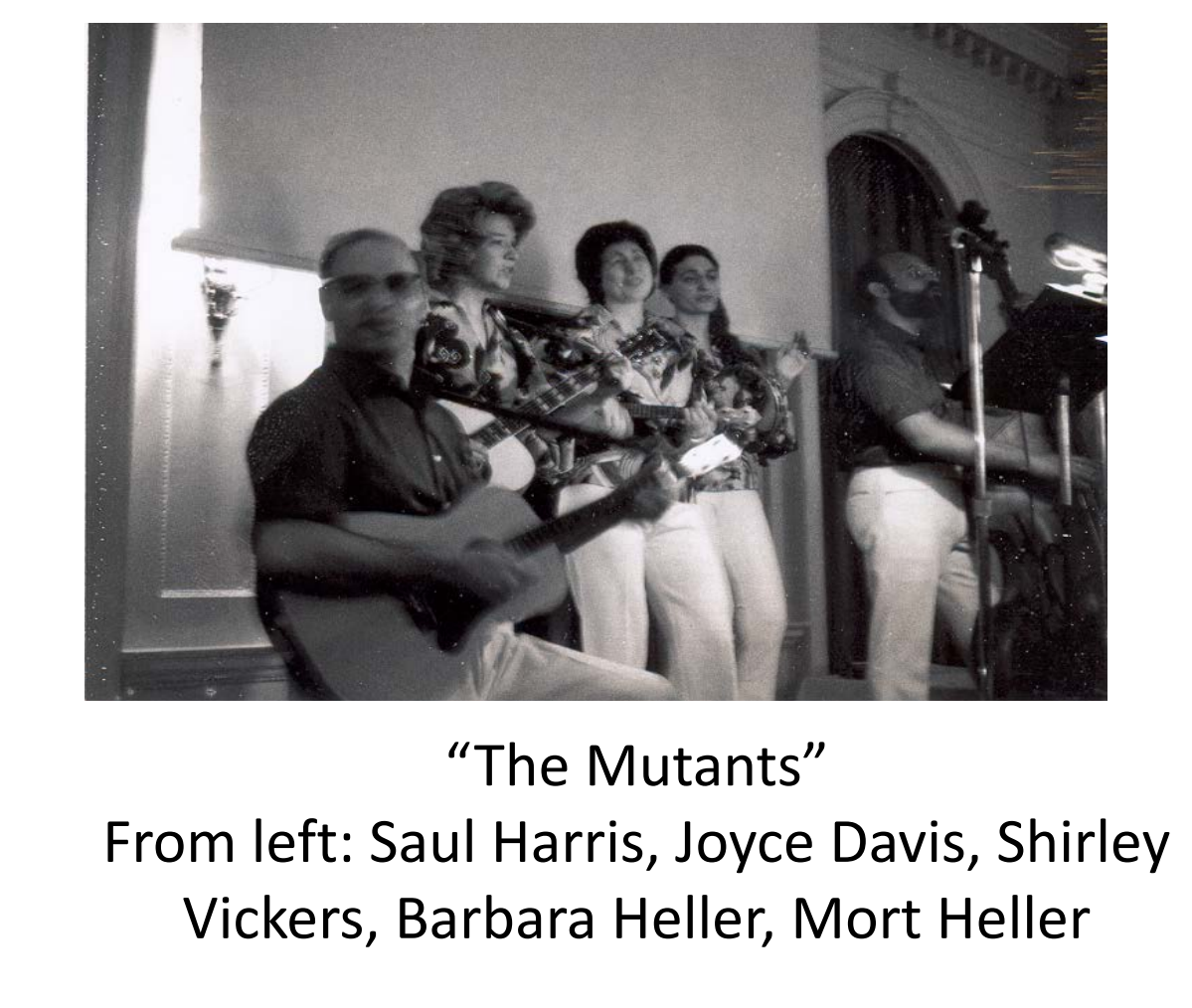


American Association of Physicists in Medicine was established 10 years later

John Laughlin became the President of AAPM



#### 25th Anniversary, NY Academy of Sciences



#### Major Awards to RAMPS Members

**AAPM Coolidge Award**

John S. Laughlin	1974
Edith H. Quimby	1977
Lowell L. Anderson	2000
C. Clifton Ling	2004

**AAPM Quimby Lifetime Achievement Award**

Lawrence N. Rothenberg	2007
James M. Galvin	2008
Lawrence E. Reinstein	2009
Howard I. Amols	2014
Edward L. Nickoloff	2014
Wendell R. Lutz	2016

**Marvin MD Williams Professional Achievement Award**

John S. Laughlin	1992
Edward L. Nickoloff	2008
Jean M. St. Germain	2015
Christopher H. Marshall	2015

#### AAPM Officers from RAMPS

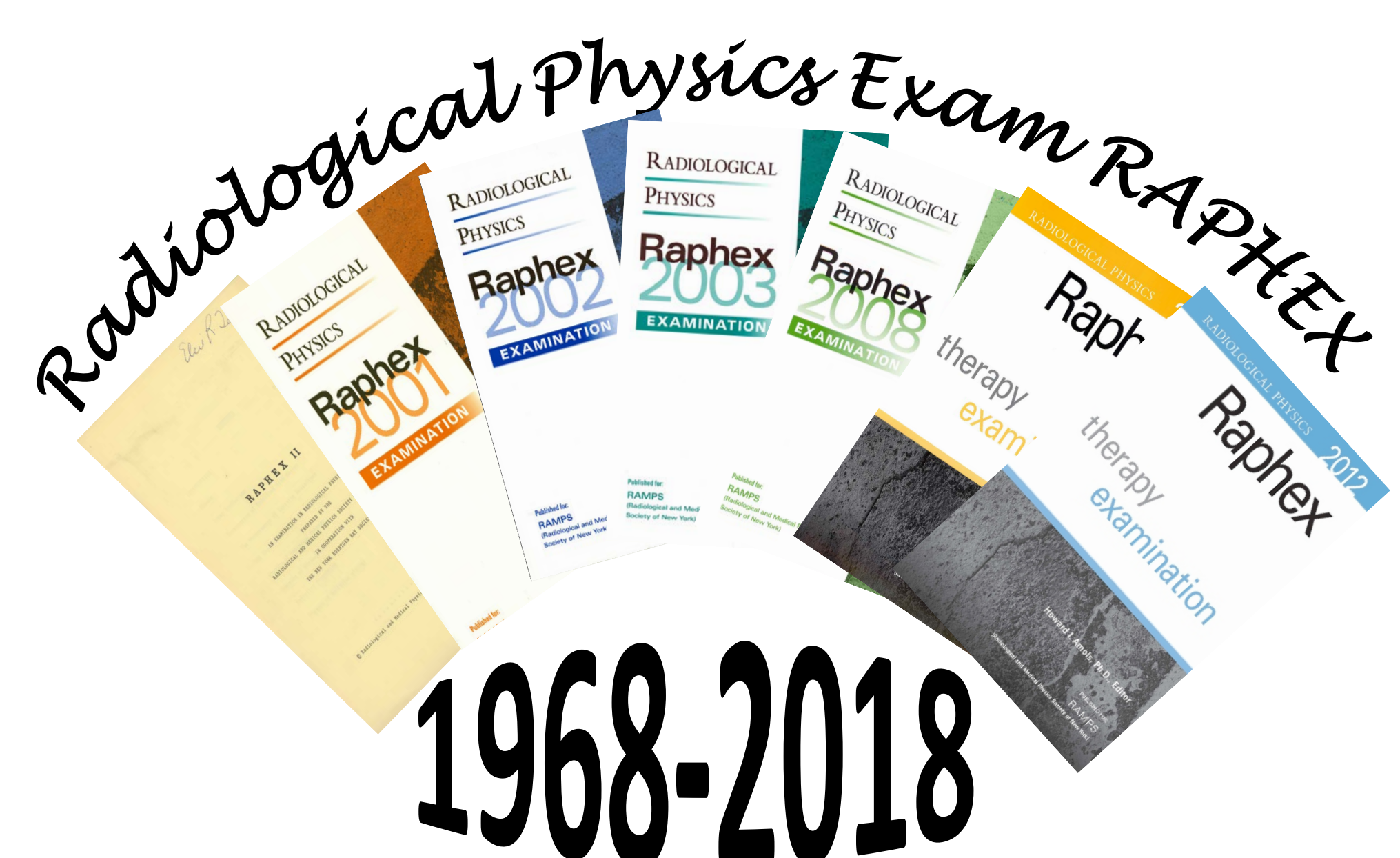
<b>President</b>		
John S. Laughlin	1965	
Lawrence N. Rothenberg	1998	
Howard I. Amols	2005	
<b>Secretary</b>		
Jean M. St. Germain	1985	

#### 55th Anniversary of the Failla Memorial Lecture

RAMPS, in conjunction with the Greater New York Chapter of the Health Physics Society, holds the Annual Failla Lecture. The lecturer is an internationally known expert on Medical Physics and/or Radiation Protection. This year's lecture presented by Stephen Balter marked the 54th Anniversary of the Failla Lecture, which honors the memory of Dr. Failla, a Medical Physics pioneer. Other Failla lecturers over the past 10 years are:



- ❖ J. John Humm, Ph. D. 2017
- ❖ Craig Yoder, Ph. D. 2016
- ❖ Stephen Balter, Ph. D. 2015
- ❖ Isabel Fisenne, Ph. D. 2014
- ❖ David Rogers, Ph. D. 2013
- ❖ Antone L. Brooks, Ph.D. 2012
- ❖ C. Clifton Ling, Ph.D. 2011
- ❖ Michael T. Ryan, Ph.D. 2010
- ❖ Radhe Mohan, Ph.D. 2009
- ❖ Lawrence N. Rothenberg, Ph.D. 2008



In 1968, in order to assist the training of residents in the various radiological physics specialties, RAMPS appointed a committee to prepare an examination on radiological physics. This examination was administered on a voluntary basis to radiological residents in the New York City area at a session held at the New York Academy of Medicine with the cooperation of the New York Roentgen Ray Society. The response was so enthusiastic that this examination has become an annual event. It is now being used throughout the United States through the courtesy of RAMPS and of the AAPM. In recent years, separate examinations for Diagnostic Radiology and Radiation Oncology have been produced. Teaching has always been an important activity of the medical physicist in his/her institution and the establishment of this examination procedure was a method of assisting the education of residents in the physical aspects of radiology.

#### RAMPS VACIRCA YOUNG INVESTIGATOR SYMPOSIUM

Each year RAMPS conducts a Young Investigators Symposium named in honor of Salvatore Vacirca, a past RAMPS President. Young Investigators are encouraged to submit abstracts for the competition. The speaker judged to have made the best presentation is provided funding to attend an AAPM national meeting. Recent winners are

1st Place	2nd Place	3rd Place	Year
Sadegh Riyahi*	Ida Häggström*	Lei Zhang*	2017
Ida Häggström*	Reza Farjam*	Irene Zawisza <sup>¶</sup>	2016
Jeho Jeong*	Bosky Ravindranath*	Yong Hum Na <sup>†</sup>	2015
Michael Liu*	Louise Fanchon*	Xin Wang <sup>‡</sup>	2014
Eric Williams*	Xin Wang <sup>‡</sup>	Oleksandr Dzyubak*	2013
Ziad Saleh*	Russell Kincaid*	Lili Zhou <sup>‡</sup>	2012
Sean Berry* <sup>†</sup>	Grace Tang*	Rachel M. Bartlett*	2011

\* Memorial Sloan Kettering Cancer Center † Columbia University ¶ Montefiore Medical Center  
<sup>‡</sup> Mount Sinai Medical Center § New York University  
<sup>§</sup> Rensselaer Polytechnic Institute †† Cornell University

#### Recent RAMPS Symposia

- 2018 Emerging Technologies in Imaging and Therapy
- 2017 Advancing Medical Physics
- 2016 New Developments in Radiotherapy
- 2015 Imaging and Oncology Physics: A Reunion
- 2014 Adaptive Radiation Therapy
- 2013 Focal Therapies
- 2012 State of the Art in SBRT
- 2011 Novel Radiation Detectors and their Applications in Dosimetry, Imaging and Health Physics
- 2011 The Nuclear Accident in Fukushima Japan, Co-sponsored by RAMPS
- 2010 Error Prevention and Patient Safety for Radiation Treatment and Diagnosis

#### THE WINNERS OF THE 2017 VACIRCA YIS AWARD

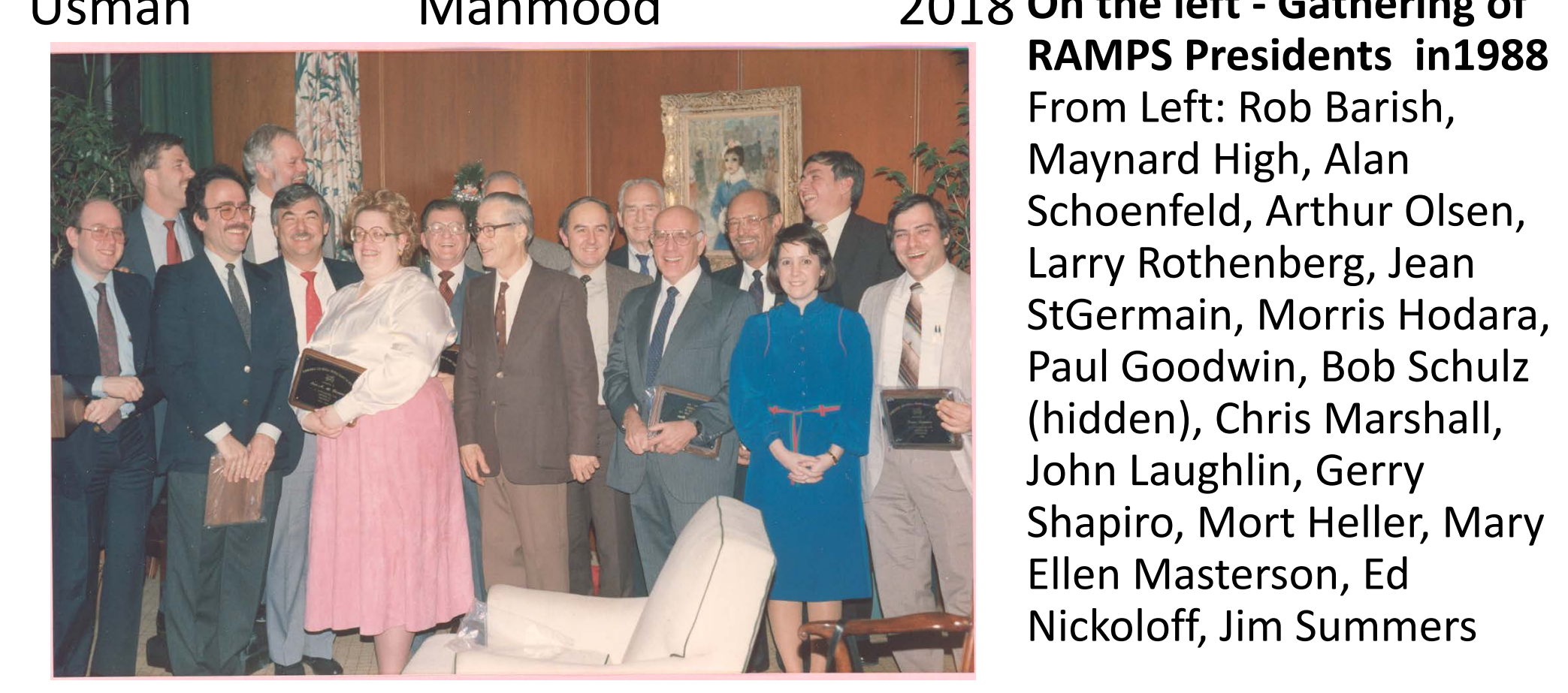
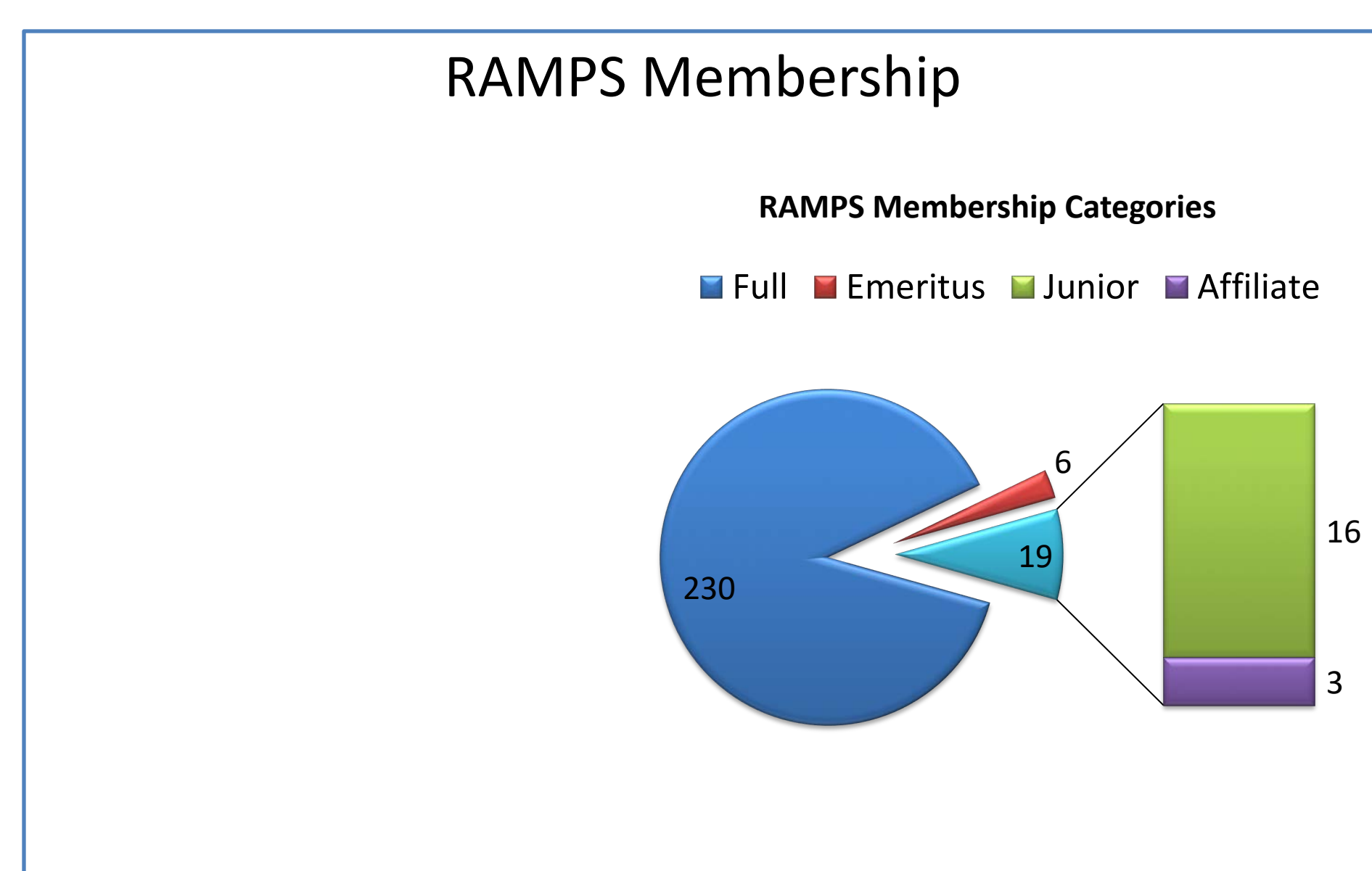


#### CURRENT RAMPS OFFICERS



#### RAMPS Presidents

John Laughlin	1948-1957
Robert Schulz	1958-1964
Hiram Hart	1965-1967
Colin Orton	1968-1970
Gerald Shapiro	1971-1972
Jean St. Germain	1973-1974
Morris Hodara	1975-1976
Harry Astarita	1977-1978
Salvatore Vacirca	1979-1980
Paul Goodwin	1981-1982
Lawrence Rothenberg	1983-1984
Christopher Marshall	1985-1986
Mortimer Heller	1987-1988
Bun Chan	1989-1990
Arthur Olson	1991-1992
Maynard High	1993-1994
James Summers	1995-1996
Alan Schoenfeld	1997-1998
Robert Barish	1999-2000
Mary Ellen Masterson	2001-2002
Edward Nickoloff	2003-2004
Mark Belanich	2005-2006
Susan Barish-Brownie	2007-2008
Yakov Pipman	2009-2010
Doracy Fontenla	2011-2012
Gerald Kutcher	2013-2014
Richard Riley	2015-2016
J. Keith DeWyngaert	2017-2018
James Galvin	2019-2020
C. Clifton Ling	2021-2022
Ceferino Obcemea	2023-2024
Lowell Anderson	2025-2026
Stephen Balter	2027-2028
Mark Belanich	2029-2030
John Humm	2031-2032
J. Keith DeWyngaert	2033-2034
Yeh Chi Lo	2035-2036
Eugene Lief	2037-2038
Gig Mageras	2039-2040
Chandra Burman	2041-2042
Cheng-Shie Wu	2043-2044
Jenghwa Chang	2045-2046
Albert Sabbas	2047-2048
Michael Lovelock	2049-2050
Gil'ad Cohen	2051-2052
Cesar Della Bianca	2053-2054
Thomas Petrone	2055-2056
Ziad Saleh	2057-2058
Usman Mahmood	2059-2060



We would like to thank the following RAMPS members for their contributions to make this poster possible:  
**L. Rothenberg, J. Jeong, Z. Saleh, J. Sillanpaa, J. St. Germain, C. Marshall, D. Fontenla, Y. Pipman, G. Mageras**