

**Vera C. Rubin Photograph Collection,
circa 1942-2012**



**Carnegie Institution of Washington
Department of Terrestrial Magnetism Archives
Washington, DC**

Finding aid written by:
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March 2018

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Vera C. Rubin Photograph Collection, circa 1942-2012
DTM-2016-03

Introduction

Abstract: This collection consists of photographs documenting the professional and personal life of astronomer Vera C. Rubin.

Extent: 3 linear feet: 5 three-ring album boxes, 1 flat print box.

Acquisition: The collection was donated by Vera Rubin in 2012 and formally deeded to the archives by her son, Allan M. Rubin, in 2018.

Access Restrictions: There are no access restrictions.

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Preferred Citation: Vera C. Rubin Photograph Collection, circa 1942-2012, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D.C.

Processing: Maria V. Lobanova processed the collection in December 2016-April 2017 and identified as many individuals, places, and events as possible. Shaun Hardy and Mary Ferranti prepared the finding aid in 2018.

Biographical Sketch

Vera Rubin was born the younger daughter of Philip and Rose Cooper on July 23, 1928, in Philadelphia, PA. At the age of 10, she and her family moved to Washington, DC, when her father accepted a job offer there. She graduated from Calvin Coolidge High School and went on to receive her B.A. from Vassar College. She obtained her M.A. from Cornell University and her Ph.D. from Georgetown University, where she then taught for 10 years.

She arrived at Carnegie's Department of Terrestrial Magnetism in Washington, DC, in 1965. Rubin's interest in how stars orbit their galactic centers led her and colleague Kent Ford to study the Andromeda galaxy, M31, a nearby spiral. The two scientists wanted to determine the distribution of mass in M31 by looking at the orbital speeds of stars and gas at varying distances from the galactic center. They expected the speeds to conform to Newtonian gravitational theory, whereby an object farther from its central mass orbits slower than those closer in. To their surprise, the scientists found that stars far from the center traveled as fast as those near the center.

After observing dozens of more galaxies by the 1970s, Rubin and colleagues found that something other than the visible mass was responsible for the stars' motions. Each spiral galaxy is embedded in a "halo" of dark matter—material that does not emit light and extends beyond the optical galaxy. They found it contains 5 to 10 times as much mass as the luminous galaxy.

As a result of Rubin's groundbreaking work, it has become apparent that more than 80 percent of the universe is composed of this invisible material. The first inkling that dark matter existed came in 1933 when Swiss astrophysicist Fritz Zwicky of Caltech proposed it. But it was not until the work of Rubin and her colleagues that observational evidence for the existence of dark matter was demonstrated.

In 1993, Rubin received the National Medal of Science—the nation's highest scientific award. She was elected to the National Academy of Sciences in 1981, and in 1996 became the first woman to receive the Royal Astronomical Society's Gold Medal since Caroline Herschel, who was awarded the prize in 1828.

Rubin's husband Robert J. Rubin, a mathematician and physicist, died in 2008. The couple's four children all acquired Ph.Ds. in the sciences or mathematics: David Rubin is a geologist; Judy Young, who died in 2014, was an astronomer; Karl Rubin is a mathematician, and Allan Rubin is a geologist.

Rubin retired from the Carnegie Institution in 2014. She passed away in Princeton, NJ, on December 25, 2016 at the age of 88.

[From Carnegie Institution press releases.]

Scope and Content

This collection contains approximately 525 photographs collected by Vera Rubin throughout her life. Included are formal and informal portraits and photographs of Rubin's family, scientific colleagues, observatories she visited, and meetings she attended. The collection includes photographic prints, negatives, contact sheets, slides, and an autographed book Rubin received upon her retirement.

Arrangement

The collection is arranged in six series contained in five album boxes and one oversize box, comprising roughly 3 linear feet. Each series contains a table with an image number, a short description of each image, whether the image is a print or a slide, and a date the photograph was taken if known.

Series 1: Portraits, 1942-2000s, n.d.

Series 2: Work and Meetings, 1948-2012, n.d.

Series 3: Awards and Honors, 1993-2006

Series 4: Family, ca. 1945-2000s

Series 5: Unidentified photographs, [ca. 1960-1990s]

Series 6: Oversize photographs, miscellaneous negatives, retirement book, [ca. 1970-2000s]

Series 1: Portraits, 1942-2000s, n.d.

There are approximately 35 images in this series consisting of formal and informal portraits of Rubin. They are arranged roughly chronologically. In addition to photographic prints, this series also includes some color slides.

Series 2: Work and Meetings, 1948-2012, n.d.

There are approximately 266 photographs in this series documenting Rubin’s professional life, primarily observing visits to Lowell Observatory, Kitt Peak, Las Campanas, and other astronomical observatories, and scientific meetings. The latter include the International Astronomical Union (IAU), American Astronomical Society (AAS), Carnegie Institution of Washington, National Academy of Sciences, and National Science Board. Of particular note is an image of Rubin at Palomar Observatory in 1965, the first time a woman was officially allowed to observe with the 200-inch telescope. Numerous images depict Rubin’s work with DTM colleague Kent Ford, installing and testing image tubes on telescopes.

Series 3: Awards and Honors, 1993-2006

There are approximately 109 images in this series documenting Rubin’s receipt of the National Medal of Science from President Clinton in 1993, as well as award ceremonies at the Pontifical Academy of Sciences, National Science Board, Astronomical Society of the Pacific, and other organizations. Also included are photographs of honorary degree ceremonies at several universities. In addition to photographic prints, this series also includes some color slides.

Series 4: Family, ca. 1945-2000s

This series consists of approximately 49 photographs of Rubin with her family: husband Robert; children David, Judy, Karl, and Allan, with their spouses and children; and Lucy Herring, Rubin’s housekeeper and family friend.

Series 5: Unidentified photographs, [ca. 1960-1990s]

The 16 photographs in this series are unidentified.

Series 6: Oversize photographs, miscellaneous negatives, retirement book, [ca. 1970-2000s]

This series consists of 11 photographs of committees and conferences, and photographs of Rubin receiving the National Medal of Science at the White House. This series also includes miscellaneous negatives, and a book presented to Rubin upon her retirement from Carnegie containing photographs and reminiscences by her colleagues. The book is autographed by the staff at Carnegie Institution for Science, Rubin’s former postdocs, and astronomers from other institutions.

Image Listing

Box

Series 1: Portraits, 1942-2000s, n.d.

1

number	Description	slide	print	year
VR.A-001	Vera Cooper college application photo		+	1945
VR.A-002	Vera with telescope made by Vera and Pete Cooper		+	1942
VR.A-003	Vera caught working at home		+	?
VR.A-004	Vera at Vassar College telescope		+	1948
VR.A-005	Vera at Vassar College telescope		+	1948
VR.A-006	Vera at Kitt Peak National Observatory. 84” Telescope		+	1970s

VR.A-007	Vera measuring spectra with DTM measuring engine		+	1972
VR.A-008	Vera measuring spectra with DTM measuring engine		+	1972
VR.A-009	Vera measuring spectra with DTM measuring engine		+	1972
VR.A-010	Vera measuring spectra with DTM measuring engine		+	1970s
VR.A-011	Vera looking at spectra		+	1980s
VR.A-012	Vera looking at spectra		+	1980s
VR.A-013	Portrait of Vera sitting with part of her collection of antique globes [photo by Mark Godfrey]	+	+	1989
VR.A-013.1	Portrait of Vera sitting with part of her collection of antique globes [photo by Mark Godfrey]	+		1989
VR.A-013.2	Portrait of Vera sitting with part of her collection of antique globes [photo by Mark Godfrey]	+		1989
VR.A-013.3	Portrait of Vera sitting with part of her collection of antique globes [photo by Mark Godfrey]	+		1989
VR.A-013.4	Portrait of Vera sitting with part of her collection of antique globes [photo by Mark Godfrey]	+		1989
VR.A-013.5	Portrait of Vera sitting with part of her collection of antique globes [photo by Mark Godfrey]	+		1989
VR.A-013.6	Portrait of Vera sitting with part of her collection of antique globes [photo by Mark Godfrey]	+		1989
VR.A-014	Portrait of Vera sitting with part of her collection of antique globes [photo by Mark Godfrey]	+	+	1989
VR.A-015	Portrait of Vera in pink suit [photo by Philip Bermingham]		+	1993
VR.A-016	Portrait of Vera in pink suit [photo by Philip Bermingham]		+	1993
VR.A-017	Portrait of Vera in pink suit [photo by Philip Bermingham]		+	1993
VR.A-018	Portrait in black and white		+	1990s
VR.A-019	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+	+	2000s
VR.A-019.1	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.2	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.3	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.4	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s

VR.A-019.5	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.6	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.7	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.8	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.9	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.10	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.11	Vera with Andromeda Galaxy background [photo by Richard Nowitz]	+		2000s
VR.A-019.12	Vera with sky of stars background [photo by Richard Nowitz]	+		2000s
VR.A-019.13	Vera with sky of stars background [photo by Richard Nowitz]	+		2000s
VR.A-019.14	Vera with sky of stars background [photo by Richard Nowitz]	+		2000s
VR.A-019.15	Vera with sky of stars background [photo by Richard Nowitz]	+		2000s
VR.A-019.16	Vera with sky of stars background [photo by Richard Nowitz]	+		2000s
VR.A-019.17	Vera with sky of stars background [photo by Richard Nowitz]	+		2000s
VR.A-019.18	Vera with sky of stars background [photo by Richard Nowitz]	+		2000s
VR.A-020	Small portrait (proof?)		+	2000s
VR.A-021	Small portrait (proof?)		+	2000s
VR.A-022	Small portrait (proof?)		+	2000s
VR.A-023	Small portrait (proof?)		+	2000s
VR.A-024	Small portrait (proof?)		+	2000s
VR.A-025	Small portrait (proof?)		+	2000s
VR.A-026	Small portrait (proof?)		+	2000s
VR.A-027	Small portrait (proof?)		+	2000s
VR.A-028	Vera on rim of Grand Canyon		+	2000s
VR.A-029	Vera on rim of Grand Canyon		+	2000s
VR.A-030	Vera at Kitt Peak National Observatory		+	2000s

VR.A-031	Vera with bust of Maria Mitchell at Vassar		+	2000s
VR.A-032	Vera outdoors		+	?
VR.A-033	Contact proof sheet		+	?
VR.A-034	Contact proof sheet		+	?
VR.A-035	Contact proof sheet		+	1972

Series 2: Work and Meetings, 1948-2012, n.d.

Box
2

number	Description	slide	print	year
VR.B-001	Vera Rubin (right) at Vassar College telescope		+	1948
VR.B-002	Vera with Vassar 12" telescope at Smithsonian, with arm around a cut-out of Maria Mitchell	+	+	?
VR.B-003	University of Michigan Astronomy Summer School (Vera in the middle)		+	1953
VR.B-004	Nyenrode, Holland Astronomy Summer School (Vera and Bob in the middle)		+	1960
VR.B-005	Jan Oort and Gart Westerhout, Leiden		+	1960
VR.B-005.1	Jan and Mieke Oort on boat ride	+	+	1960
VR.B-005.2	Jan and Mieke Oort on boat ride	+		1960
VR.B-005.3	Jan Oort lecturing	+		1960
VR.B-005.4	Meeting?	+		1960
VR.B-006	Vera with astronaut John A. Glenn, Jr., and astronomer Dr. Martin F. McCarthy, S.J. Office of the President of Georgetown University		+	1964(5) ?
VR.B-007	Vera Rubin with John A. Glenn, Jr., and astronomer Dr. Martin F. McCarthy, S.J. Office of the President of Georgetown University		+	1964(5) ?
VR.B-008	Vera and Bob at IAU Banquet, with Olin Eggen (at left), Hamburg		+	1964
VR.B-009	Carnegie spectrograph at Kitt Peak		+	1965
VR.B-010	Vera at Kitt Peak 84-inch telescope	+	+	1965
VR.B-011	Vera at Lowell Observatory, 69-inch [i.e., 72-inch] Telescope (Kent Ford in white helmet)	+	+	1965
VR.B-011.1	Vera Rubin and Kent Ford at Lowell Observatory, 69-inch Telescope. "Hard hat and sandals"		+	1965
VR.B-012	Vera Rubin at Lowell Observatory, 69-inch [i.e., 72-inch] Telescope	+	+	1965
VR.B-012.1	Kent Ford at Lowell Observatory, 69-inch Telescope	+		1965
VR.B-012.2	Vera Rubin and Kent Ford working at Lowell Observatory, 69-inch Telescope	+		1965
VR.B-013	Vera Rubin at Lowell Observatory, 69-inch [i.e., 72-	+	+	1965

	inch] Telescope			
VR.B-013.1	Kent Ford at Lowell Observatory	+		1965
VR.B-013.2	Vera Rubin and Kent Ford working at Lowell Observatory	+		1965
VR.B-014	Vera at Lowell Observatory		+	1965
VR.B-015	Vera camping (with family) at McDonald Observatory before observing with Margaret and Geoff Burbidge		+	1965
VR.B-016	Vera on top of dome of 200-inch Palomar telescope, with K.Rudnicki. First time a woman legally used the Palomar telescope		+	1965
VR.B-017	Vera on top of dome of 200-inch Palomar telescope, with L. Westphal		+	1965
VR.B-018	Kent surprised Vera as she came to 84-inch catwalk at Kitt Peak to view (cloudy) sky		+	1967?
VR.B-019	En route to the Faulhorn, Switzerland		+	
VR.B-020	En route to the Faulhorn, Switzerland	+	+	1969
VR.B-021	John Baldwin, Jan Oort, Vera Rubin, ? Faulhorn, Switzerland	+	+	1969
VR.B-021.1	Jan Oort with Olin Eggen?	+		1969
VR.B-022	Bob Rubin. Faulhorn, Switzerland		+	1969
VR.B-023	John Baldwin, Jan Oort, Bob and Vera Rubin. Faulhorn, Switzerland		+	1969
VR.B-024	Vera Rubin with unidentified group		+	?
VR.B-025	En route to the Faulhorn, Switzerland?		+	1969
VR.B-026	Jan Oort (?) lecturing		+	1969
VR.B-026.1	Jan Oort, ?, ?, Rubin's children	+		1970
VR.B-027	Vera Rubin and post docs John Warner, Norbert Thonnard, and George Assousa. DTM, Washington DC		+	1972
VR.B-028	Vera Rubin and post docs John Warner, Norbert Thonnard, and George Assousa. DTM, Washington DC		+	1972
VR.B-029	Jan Oort		+	1975
VR.B-030	Kent and Ellen Ford at Lowell Observatory		+	1973
VR.B-031	The car of Kent Ford at Lowell Observatory		+	1973
VR.B-032	300th Anniversary celebration, Royal Greenwich Observatory, Herstmonceux, Great Britain		+	1975
VR.B-033	Vera with colleagues. Landing strip, La Silla, Chile		+	1976
VR.B-034	Dr. & Mrs. Ed Turner, Dr. & Mrs. Absil, Vera, Richard Gott, Phil & Phylis Morrison. IAU Symposium		+	1976
VR.B-035	Jan Oort with group		+	1970s
VR.B-036	NAS Space Science Board with Space Shuttle, Palmdale, California		+	1977

VR.B-037	NAS Space Science Board with Space Shuttle, Palmdale, California. Vera with Jerry Wasserburg, Don Hunter(?), Al Cameron, Lynn Margulis, Marlo Maws (?), George Fields		+	1977
VR.B-038	Vera Rubin at Okayama Observatory		+	1978
VR.B-039	IAU Symposium # 84, The Large Scale Characteristics of the Galaxy. College Park, Maryland		+	1978
VR.B-040	Vera at Okayama Observatory		+	1978
VR.B-041	Vera with Dr. G. Ishida at Okayama Observatory		+	1978
VR.B-042	Vera at Okayama Observatory		+	1978
VR.B-043	Vera at Okayama Observatory		+	1978
VR.B-044	Vera at Okayama Observatory		+	1978
VR.B-045	Vera and Bob with Japanese astronomers, Kiso-Fukushima Observatory		+	1978
VR.B-046	Vera and Bob with Japanese astronomers, Kiso-Fukushima Observatory		+	1978
VR.B-047	Vera with Japanese astronomers at Mitaka Observatory near Tokyo, Japan		+	1978
VR.B-048	Vera at 100-inch telescope console, Las Campanas, Chile		+	1978
VR.B-049	Vera Rubin with Allan Sandage at 100-inch telescope console, Las Campanas, Chile		+	1978
VR.B-049.1	Vera Rubin at ? Observatory	+		1978
VR.B-050	Vera and Bob Rubin. Dedication of Mexico Telescope. San Pedro Martir, Baja California, Mexico		+	1979
VR.B-051	Group at Dedication of Mexico Telescope. National Park Sierra de San Pedro Martir, Baja California, Mexico	+	+	1979
VR.B-052	Vera in hallway at DTM	+	+	1968
VR.B-053	Jan Frogel, Allan Sandage, Vera Rubin, Martin McCarthy. Chey Blanco, La Serena, Chile		+	1980
VR.B-054	PhD oral exam at Leiden University. Mayo Greenberg, C. D. Shane, Vera Rubin, Jan Oort (l-r)		+	1981
VR.B-055	PhD oral exam at Leiden University. Student (black suit at left) is Lambert Suraans		+	1981
VR.B-056	Leiden University. Following the PhD oral exam		+	1981
VR.B-057	Leiden University. Following the PhD oral exam		+	1981
VR.B-058	Vera Rubin & Allan Sandage. Vancouver Galaxy Conference, May 1982		+	1982
VR.B-059	Vera & Bob with Dr. Ken Wakamatsu (Japan) at home in Washington DC		+	1980s
VR.B-060	DTM picnic		+	1982
VR.B-061	Vera inducted into the Academy of Sciences		+	1982
VR.B-062	Vera Rubin & K. Rudnicki (?) Varenna summer school		+	1982

VR.B-063	Vera Rubin, Deidre Hunter, Bob Rubin dancing with group		+	1982
VR.B-064	Vera dancing with group		+	1982
VR.B-065	IAU Meeting, Greece. Vera and Bob Rubin, Jan and Bernie Burke		+	1982
VR.B-065.1	Bob Rubin, Mieke Oort, Vera Rubin, Jan Oort	+		1982
VR.B-065.2	Mieke Oort, Vera Rubin	+		1982
VR.B-065.3	Mieke Oort, Vera Rubin, Jan Oort	+		1982
VR.B-066	Paul Schechter and Vera following Vera's Carnegie Lecture		+	1983
VR.B-067	Astronomer Fang Lizhi and wife in front of Rubin home, Washington DC		+	1984
VR.B-068	Group of Astronomers, Weizmann Institute, July 1984 (Back row: Schmidt, Binney, ?, Toomre, Kormendy; Middle row: Milgrom, de Zeeuw, Tremaine, Gerhardt, Schechter; Bottom row: ?, Rubin, Ostriker, Bekenstein, Rohlf; Front: secretary)		+	1984
VR.B-069	Vera Rubin and Kent Ford in her office, DTM		+	1984
VR.B-070	Vera in her office, DTM		+	1984
VR.B-071	DTM Astronomers with George Preston, Director of the Observatories of Carnegie Institution of Washington (Norbert Thonnard, Francios Schweizer, George Preston, Vera Rubin, Alan Boss, Brad Whitmore, Kent Ford)		+	1984
VR.B-072	Kent Ford, Norbert Thonnard, Vera Rubin at the office		+	1984
VR.B-073	Remake of famous picture made by Vera Rubin (Kent Ford, Vera Rubin, John Graham, George Wetherill, Alan Boss, Francois Schweizer)		+	1980s
VR.B-074	Original picture. Lowell Observatory staff, 1905		+	1905
VR.B-075	Vera at Salpeter Symposium		+	1984
VR.B-076	Vera at Salpeter Symposium		+	1984
VR.B-077	IAU Meeting, India. Jay Gallagher, Deidre Hunter, Vera Rubin, Bruce Carney, Doug Duncan. Taj Mahal, India.		+	1985
VR.B-078	IAU Meeting, India. Jay Gallagher, Vera Rubin, Bob Rubin, Bruce Carney, Doug Duncan. Taj Mahal, India		+	1985
VR.B-079	Sandra Faber. Carnegie Institution (P Street headquarters)		+	ca. 1985
VR.B-080	Meeting at Carnegie Institution (P Street headquarters)		+	ca. 1985
VR.B-081	Sandra Faber. Meeting at Carnegie Institution (P Street headquarters)		+	ca. 1985
VR.B-082	DTM Staff, 1985		+	1985

VR.B-083	Vera Rubin, Jay Frogel and others. State University of New York (SUNY) at Stony Brook		+	1995
VR.B-083.1	First Gemini ULE Mirror Blank AURA Executive Committee. State University of New York (SUNY) at Stony Brook		+	1995
VR.B-084	Philip Morrison		+	1980s-90s
VR.B-085	Vera & Bob Rubin		+	1980s
VR.B-086	Vera Rubin and Deidre Hunter		+	1985
VR.B-087	Vera on the Grand Teton		+	1980s
VR.B-088	Jan Oort, Gart Westerhout, and Mieke Oort at Vera's home		+	1985
VR.B-089	Bernie Burke and Jan Oort at Vera's home		+	1985
VR.B-090	Vera, Leo Blitz (Berkeley), and Bernie Burke talking to Jan Oort at Vera's home		+	1985
VR.B-091	Vera Rubin, Mieke and Jan Oort. U.S. National Academy of Sciences		+	1985
VR.B-092	Mieke and Jan Oort. U.S. National Academy of Sciences		+	1985
VR.B-093	Jan Oort. U.S. National Academy of Sciences		+	1985
VR.B-094	John Graham, Vera Rubin, George Wetherill (Director DTM), Kent Ford. Picnic at DTM		+	1986
VR.B-095	Vera Rubin. China		+	1986
VR.B-096	Las Campanas, console room of the 2.5 meter du Pont telescope. Renee Kraan-Korteweg (University of Basel); Deidre Hunter, Vera Rubin, Wendy Freedman (OCIW), Anja Schroeder (University of Basel)		+	1985
VR.B-097	Jan Oort with Vera at DTM		+	1985
VR.B-098	Vera and Bob Rubin with Mieke Oort at home		+	1980s
VR.B-099	Vatican Astronomy Summer School		+	1986
VR.B-100	Vatican Astronomy Summer School. Castel Gandolfo at lunch		+	1986
VR.B-101	Vera Rubin, Alla Mashevich, and Y. B. Zel'dovich. Moscow	+	+	1986
VR.B-101.1	Vera Rubin, Y. B. Zel'dovich and Alla Mashevich. Moscow	+		1986
VR.B-101.2	Vera Rubin, Y. B. Zel'dovich and Alla Mashevich. Moscow	+		1986
VR.B-101.3	Vera Rubin, Y. B. Zel'dovich and Alla Mashevich. Moscow	+		1986
VR.B-101.4	Vera Rubin visiting Alla Mashevich at home. Moscow	+		1986
VR.B-101.5	Y. B. Zel'dovich discussing	+		1986
VR.B-101.6	Meeting in Moscow	+		1986
VR.B-101.7	Vera Rubin and ? at Saint Basil's Cathedral. Moscow	+		1986

VR.B-101.8	Vera Rubin and ? at Friendship of National Fountain. Moscow	+		1986
VR.B-101.9	Vera Rubin and ? at the Cathedral. Moscow	+		1986
VR.B-102	Vera with Pope John Paul II. Dr. George Coyne, S.J. at left. Vera was on his PhD committee at Georgetown University		+	1986
VR.B-103	Carnegie evening event. Bob & Vera Rubin, Sandra Faber, Ray Weyman, Nancy Roman		+	1986
VR.B-104	Carnegie evening event. ?, Bob & Vera Rubin, Steve Schechtman		+	1986
VR.B-105	Carnegie evening event. Linda and Francois Schweizer		+	1986
VR.B-106	IAU Symposium #124, Observational Cosmology. Beijing, China		+	1986
VR.B-107	Y. B. Zel'dovich, Alla Massevich, and Vera Rubin in Moscow (when Vera delivered the Gold Medal of Astronomical Society of the Pacific to Zeldovich)	+	+	1986
VR.B-107.1	Y. B. Zel'dovich, Alla Massevich, and Vera Rubin in Moscow (when Vera delivered the Gold Medal of Astronomical Society of the Pacific to Zeldovich)	+		1986
VR.B-108	Margaret Geller, Anna Hochtentracht (wife of David Koo), Vera Rubin, and Neta Bahcall. China		+	1986
VR.B-109	Kew Symposium, May 1987		+	1987
VR.B-110	Vera Rubin at Vatican study week "Large Scale Motions in the Universe"		+	1987
VR.B-111	Martin McCarthy, Mark Heyer, Wayne Warren, Roberta Humphries, Kent Ford, Vera Rubin, Francois Schweizer (l-r)		+	1987
VR.B-112	Wayne Warren, John Graham, Francois Schweizer, Martin McCarthy, Roberta Humphries, Vera Rubin, ?, Kent Ford, Alan Boss, Mark Heyer (l-r)		+	1987
VR.B-113	Wayne Warren, Kent Ford, Martin McCarthy, John Graham, Kent Ford, Roberta Humphries, Vera Rubin, ?, Mark Heyer, Alan Boss (l-r)		+	1987
VR.B-114	Wayne Warren, Kent Ford, Martin McCarthy, John Graham, Kent Ford, Roberta Humphries, Vera Rubin, ?, Mark Heyer, Alan Boss (l-r)		+	1987
VR.B-115	Vera Rubin with Kent Ford at DTM		+	1988
VR.B-116	Kent Ford, John Graham, Francois Schweizer, Vera Rubin, Jo Ann Eder at DTM		+	1988
VR.B-117	de Vaucouleurs symposium, Paris		+	1988
VR.B-118	Susan Hoban, Vera Rubin, Wendy Freedman, Sandy Faber, Allison Campbell, Nancy Roman. Carnegie Institution reception		+	1988

VR.B-119	CIW Trustees, Las Campanas staff and director Miguel Roth at Las Campanas Observatory, Chile. Vera was observing		+	1990
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Box
3

VR.B-120	Vera Rubin, Margaret Burbidge, and Dennis Sciama at home of Judith Perry. Cambridge, England		+	1990
VR.B-121	?, ?, Vera Rubin, Margaret Burbidge, and Dennis Sciama at home of Judith Perry (EMB former student). Cambridge, England		+	1990
VR.B-122	Vera and others receiving honorary degrees. Yale University		+	1990
VR.B-123	Bob Rubin, Donald and Ruth Lynden-Bell, England		+	1990
VR.B-124	Vera Rubin and Donald Lynden-Bell at Isaac Newton's apple tree, England		+	1990
VR.B-125	31st Herstmonceux Conference. Royal Greenwich Observatory		+	1990
VR.B-126	Vera and city officials at Dunfermline, Scotland, at Andrew Carnegie's birthplace		+	1990s
VR.B-127	Vera Rubin. Picnic at DTM		+	1990s
VR.B-128	Ron Cohen, Vera Rubin, Bob Hazen, Phil Abelson. Celebration at DTM		+	1991
VR.B-129	Vera speaking at celebration at DTM.		+	1991
VR.B-130	Wen-Ping Chen, John Graham, Vera Rubn, Jo Ann Eder, George Wetherill, and Alan Boss at DTM		+	1991
VR.B-131	Vera with Margaret Geller and Steve Schechtman. Keystone, Colorado.		+	1992
VR.B-132	Kent Ford, Vera Rubin, Chuck Bennett (COBE), and Lou Brown in Vera's office		+	1992
VR.B-133	Kent Ford, Vera Rubin, Chuck Bennett (COBE), and Lou Brown in Vera's office		+	1992
VR.B-134	Vera in her office, DTM		+	1990s
VR.B-135	Paul Hodge, Martin Schmidt, Vera Rubin. Following M. Schmidt's Bruce Medal talk		+	1992
VR.B-136	Paul Hodge, Martin Schmidt, Vera Rubin. Following M. Schmidt's Bruce Medal talk		+	1992
VR.B-137	Vera at poster session, American Astronomical Society meeting. Atlanta, GA		+	1992
VR.B-138	Vera at poster session, American Astronomical Society meeting. Atlanta, GA		+	1992
VR.B-139	AUI Board, Brookhaven		+	1993

VR.B-140	Dedication of VLA. Nick Mayall, Vera Rubin, Jane and Bernie Burke, Mrs. Mayall, Gerard and Antoinette de Vaucouleurs	+	+	1980
VR.B-140.1	Dedication of VLA?	+		1980
VR.B-141	Bob Rubin, Deidre Hunter and Phil Massey at Meteor Crater, Arizona		+	1994
VR.B-142	Kelly Novsingle, Ina Alterman, Teri Quinn. Women in Science & Engineering. Washington DC		+	1994
VR.B-143	Vera with students honorees and Bruce Alberts. Women in Science & Engineering (WISE) lecture. Washington DC		+	1994
VR.B-144	Vera Rubin, Sheila David. Women in Science & Engineering. Washington DC		+	1994
VR.B-145	Sheila David. Women in Science & Engineering. Washington DC		+	1994
VR.B-146	Vera Rubin and Bruce Albert (president of NAS). Washington DC		+	1994
VR.B-147	Vera Rubin receiving gift from Sheila David and WISE steering committee, with C. Elfring. Washington DC		+	1994
VR.B-148	Vera Rubin receiving gift from Sheila David and WISE steering committee. Washington DC		+	1994
VR.B-149	Vera Rubin receiving gift from Sheila David and WISE steering committee. Washington DC		+	1994
VR.B-150	Vera Rubin, Bruce Alberts, and WISE Program Committee with student honorees. Washington DC		+	1994
VR.B-151	Vera Rubin and WISE steering committee. Washington DC		+	1994
VR.B-152	Vera Rubin, Bruce Alberts, and WISE steering committee. Washington DC		+	1994
VR.B-153	Vera Rubin with representatives of the Society of Women Engineers		+	1994
VR.B-154	Vera Rubin with students honorees at WISE lecture		+	1994
VR.B-155	Vera Rubin with students from Cardozo High School at the NAS lecture		+	1994
VR.B-156	Debra Elmegreen, M.R.C. Greenwood, Vera Rubin, Gene Shoemaker, Carolyn Shoemaker, Vice-President Al Gore, David Levy.		+	1994
VR.B-157	Dinner following Vera's Russell Lecture, AAS. Vera Rubin, Jo Ann Eder, Linda Stryker, George Coyne, Brad Whitmore, Dave Burstein, Deidre Hunter, Robin Ciardullo, Sidney Wolfe.		+	1995
VR.B-158	Vera Rubin at Jan Oort's birthplace. (She was visiting professor in Leiden.)		+	1995
VR.B-159	36th Herstmonceux Conference "Gravitational Dynamics". Cambridge		+	1995

VR.B-160	"Way Cool Scientist" trading card #82 featuring Vera Cooper Rubin. (Distributed by Bill Nye the Science Guy)		+	1995
VR.B-161	Vera at Purple Mountain Observatory. China		+	1996
VR.B-162	Vera meeting with Hillary Clinton at the White House.		+	1996
VR.B-163	International Astronomical Union meeting, Kyoto, Japan (Vera in front row)		+	1997
VR.B-164	International Astronomical Union meeting, Kyoto, Japan (Vera in left row)		+	1997
VR.B-165	Vera and summer students. Dominion Astrophysical Observatory, Victoria, British Columbia, Canada (Veronique Desilets, Shelly Pinder, Claudine Allen, Jacinthe Desilets, Alysssa Ker, Muoi Tran, Dr. Rubin, Yvonne Yuan)		+	1997
VR.B-166	Vera Rubin dressing in academic gown. At DTM?		+	1990s
VR.B-167	Vera Rubin dressing in academic gown. At DTM?		+	1990s
VR.B-168	Vera at dedication of the Class of 1951 Observatory. Vassar College		+	1990s
VR.B-169	Vera at South Pole		+	1997
VR.B-170	Vera at South Pole (on left with Carnegie flag)	+	+	1997
VR.B-171	Picnic with Donald and Ruth Lynden-Bell		+	1998
VR.B-172	Bob Rubin, Donald and Ruth Lynden-Bell		+	1998
VR.B-173	National Science Board Dinner for Neal Lane. Vera Rubin, Mary Kay Gaillard, ?, Diana Natalicio, Rita Colwell (NSF Director)		+	1998
VR.B-174	Vera Rubin, Diana Natalicio, Warren M. Washington. National Science Board		+	1998
VR.B-175	Vera Rubin with Bob H. Suzuki. National Science Board Dinner for Neal Lane		+	1998
VR.B-176	National Science Foundation National Science Board		+	1998
VR.B-177	George Wetherill, Vera & Bob Rubin, and ? On rooftop overlooking Watergate and Kennedy Center. Washington DC		+	1990s
VR.B-178	Bob, Margaret Burbidge and Vera. At Lindblad's home, Stockholm, Sweden		+	1998
VR.B-179	Per Olof Lindblad, Bob Rubin, Margaret Burbidge, and Vera Rubin. At Lindblad's home, Stockholm, Sweden		+	1998
VR.B-180	Stacy McGaugh and Vera Rubin with visiting students, Las Campanas Observatory, Chile		+	1998
VR.B-181	Vera with visiting High School students, Las Campanas, Chile		+	1998
VR.B-182	Vera with visiting High School students, Las Campanas, Chile		+	1998
VR.B-183	Stacy McGaugh and Vera Rubin, Las Campanas, Chile		+	1998

VR.B-184	1998 Medalists of National Academy of Science (Vera in second row)		+	1998
VR.B-185	Vera and Vatican summer school students. Castel Gandolfo, Italy		+	1998
VR.B-186	President's Commission on the Celebration of Women in American History		+	1999
VR.B-187	President's Commission on the Celebration of Women in American History		+	1999
VR.B-188	Bernie Burke, Don Anderson, Renzo Sancisi, Maxine Singer. NAS Dinner		+	1999
VR.B-189	?, Bernie Burke, Betsy Green. NAS Dinner		+	1999
VR.B-190	Betsy Green, Bernie Burke, Jean Taylor, Bill Golden. NAS Dinner		+	1999
VR.B-191	NAS Dinner		+	1999
VR.B-192	NAS Dinner		+	1999
VR.B-193	Renzo Sancisi, Don Anderson. NAS Dinner		+	1999
VR.B-194	Renzo Sancisi, Don Anderson. NAS Dinner		+	1999
VR.B-195	Betsy Green, Renzo Sancisi. NAS Dinner		+	1999
VR.B-196	?, Norbert Thonnard, Renzo Sancisi, ?, Bob Rubin. Mort Roberts celebration		+	1999
VR.B-197	Norbert Thonnard, Renzo Sancisi. Mort Roberts celebration		+	1999
VR.B-198	Norbert Thonnard, Harold Weaver, Mort Roberts. Mort Roberts celebration		+	1999
VR.B-199	Allan Sandage, Vera Rubin, Mort Roberts. Mort Roberts celebration		+	1999
VR.B-200	Kent Ford, Norbert Thonnard. Mort Roberts celebration		+	1999
VR.B-201	Allan Sandage, Mort Roberts. Mort Roberts celebration		+	1999
VR.B-202	Kent Ford, Vera Rubin, Norbert Thonnard. Mort Roberts celebration		+	1999
VR.B-203	Allan Sandage, Mort Roberts. Mort Roberts celebration		+	1999
VR.B-204	Vera at "Andromeda Hill." Israel		+	1999
VR.B-205	?, Bob and Vera Rubin, ? Schmidt, Henry Greenberg. American Committee for the Weizmann Institute of Science		+	?
VR.B-205.1	Vera Rubin. American Committee for the Weizmann Institute of Science		+	?
VR.B-206	Vera with carved Hawaiian figures. "Dedication of telescope." Hawaii		+	1999
VR.B-207	Vera and Bob Rubin with Robert H. Rubin at Jodrell Bank Observatory. IAU meeting		+	2000
VR.B-208	Igor Gamov, Vera Rubin, Leonard Maximon at the Gamov Plaque Unveiling Lunch		+	2000
VR.B-209	Vera Rubin and Renzo Sancisi. Castel Gandolfo, Italy		+	2000

VR.B-210	DTM astronomy staff and postdocs. Astronomy library, DTM		+	2000
VR.B-211	DTM summer interns. Reading Room, DTM		+	2000
VR.B-212	National Science Foundation National Science Board		+	2000
VR.B-213	Vera Rubin (informal)		+	?
VR.B-214	Vera Rubin (informal)	+	+	?
VR.B-215	Vera Rubin (informal)		+	?
VR.B-216	Vera Rubin (informal)	+	+	?
VR.B-217	Vera Rubin in front of "VERA" (VLBI Exploration of Radio Astronomy") poster		+	2000s
VR.B-218	Vera with friends?		+	2003
VR.B-219	Vera Rubin and Deidre Hunter. Kitt Peak 4-m telescope console		+	2000
VR.B-220	Deidre Hunter and Phil Massey. Kitt Peak 4-m telescope console		+	2000
VR.B-221	Deidre Hunter and Phil Massey. Kitt Peak 4-m telescope console		+	2000
VR.B-222	Vera at Kitt Peak		+	2000s
VR.B-223	Katy Pilachowski, Deidre Hunter, and Vera Rubin. Kitt Peak 4-m telescope console		+	2000
VR.B-224	Katy Pilachowski, Deidre Hunter and Vera Rubin. Kitt Peak 4-m telescope console		+	2000
VR.B-225	Eva and Larse Garding, Vera and Bob Rubin		+	2000s
VR.B-226	Vera and Bob Rubin.		+	2000s
VR.B-227	Vera Rubin with ?		+	2000s
VR.B-228	Michael Rossmann, John Armstrong, Vera Rubin, Robert Richardson, Mary Kay Gaillard. National Science Board's 50th Anniversary celebration		+	2000
VR.B-229	Anne Solomon, William Golden, and Vera Rubin. National Science Board's 50th Anniversary celebration		+	2000
VR.B-230	Dinner at library of Carnegie Observatories headquarters in Pasadena		+	2002
VR.B-230.1	Margaret Geller, Alan Dressler, Judy Young, Vera Rubin, Neta Bahcall, John Bahcall. Carnegie Institution of Washington headquarters, Washington, DC		+	2000s
VR.B-231	DTM staff 2002		+	2002
VR.B-232	Vera and Bob Rubin on a tour of Mount Wilson Observatory. The outing preceded a ceremony in which Rubin was awarded the prestigious Cosmology Prize of the Gruber Foundation.		+	2003
VR.B-233	Vera speaking at National Science Foundation		+	2000s
VR.B-234	Vera speaking at National Science Foundation		+	2000s

VR.B-235	Women scientists and administrative staff of DTM. Front row: Brooke Hunter, Vera Rubin, K. E. Saavik Ford, Alycia Weinberger, Mary Horan, Kathleen Flint, Alexis Clements. Back row: Linda Warren, Alison Shaw, Katherine Kelley, Sara Seager, Lucy Flesch, Janice S. Dunlap		+	2003
VR.B-236	Vera lecturing at school		+	2005
VR.B-237	Vera lecturing at school		+	2005
VR.B-238	Vera lecturing at school		+	2005
VR.B-239	Vera lecturing at school		+	2005
VR.B-240	Vera lecturing at school		+	2005
VR.B-241	Vera lecturing at school		+	2005
VR.B-242	Pam Solomon, Vera Rubin, Sean C. Solomon at DTM		+	2000s
VR.B-243	Vera and Bob Rubin with Richard A. Meserve		+	2007
VR.B-244	Robert Rubin at Albert Einstein Memorial, Washington DC		+	2000s
VR.B-245	Nancy Roman and Vera Rubin		+	2011
VR.B-246	Women in Astronomy and Space Science 2009		+	2009
VR.B-247	Mrs. Oertel, Elaine Williams, Vera Rubin, ?, Nancy Roman. Party at Rubin's house. Washington DC		+	2000s
VR.B-247.1	Goetz Oertel and others. Party at Rubin's house. Washington DC		+	2000s
VR.B-247.2	Party at Rubin's house. Washington DC		+	2000s
VR.B-247.3	Party at Rubin's house. Washington DC		+	2000s
VR.B-248	Vera at "Unveiling the Mass" Symposium in honor of Vera Rubin. Queen's University, Kingston, Ontario		+	2009
VR.B-249	Vera and group at "Unveiling the Mass" Symposium in honor of Vera Rubin. Queen's University, Kingston, Ontario		+	2009
VR.B-250	Vera Rubin and Debra Elmegreen at "Unveiling the Mass" Symposium in honor of Vera Rubin. Queen's University, Kingston, Ontario		+	2009
VR.B-251	School exhibition about Vera Rubin's work		+	2009
VR.B-252	School exhibition about Vera Rubin's work		+	2009
VR.B-253	School exhibition about Vera Rubin's work		+	2009
VR.B-254	School exhibition about Vera Rubin's work		+	2009
VR.B-255	School exhibition about Vera Rubin's work		+	2009
VR.B-256	School exhibition about Vera Rubin's work		+	2009
VR.B-257	Vera Rubin and Dava Sobel		+	2010s
VR.B-258	Vera Rubin and Shaun Hardy prepare her office files for transfer to the Library of Congress		+	2012
VR-B.258.1	Vera Rubin and Sandra Keiser prepare her office files for transfer to the Library of Congress		+	2012

VR.B-259	Congratulations from Vatican Astronomers		+	?
VR.B-260	Contact proof sheet.		+	1972
VR.B-261	Contact proof sheet		+	1984
VR.B-262	Contact proof sheet		+	ca. 1985
VR.B-263	Vera Rubin with portrait of Henry Norris Russell at Astronomical Society of the Pacific meeting		+	1989
VR.B-264	Participants at "Galaxies: Mind Over Matter: A Celebratory Symposium for Vera Rubin." Carnegie Institution of Washington, Washington, D.C.		+	2002
VR.B-265	Participants at "Galaxies: Mind Over Matter: A Celebratory Symposium for Vera Rubin." Carnegie Institution of Washington, Washington, D.C.		+	2002
VR.B-266	Robert Rubin, Vera Rubin, Margaret Burbidge, Kent Ford, and Maxine Singer at "Galaxies: Mind Over Matter" Symposium. Carnegie Institution of Washington, Washington, D.C.		+	2002

Series 3: Awards and Honors, 1993-2006

Box
4

number	Description	slide	print	year
VR.C-001	Karl, Vera, Allan, and Bob Rubin. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-002	Vera and Bob Rubin with Laura and Martin Kruskal. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-003	Vera and Bob Rubin. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-004	Vera and Bob Rubin with sons Karl and Allan. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-005	Vera Rubin, her sister Ruth Burg, and sons Allan and Karl. National Medal of Science Award. dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-006	Vera Rubin, her sister Ruth Burg, and sons Allan and Karl. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-007	Vera Rubin, her sister Ruth Burg, and sons Allan and Karl. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington		+	1993

	DC			
VR.C-008	Vera at National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-009	Vera at National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-010	Vera with her sons Allan and Karl. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-011	Vera and Bob Rubin. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-012	Bob Rubin with sons Allan and Karl. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-013	Allan, Bob and Vera Rubin. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-014	Bob Rubin with sons Allan and Karl. National Medal of Science Award. Black-tie dinner. National Air and Space Museum, Washington DC		+	1993
VR.C-015	Official White House photograph. 1993 National Medal of Science recipients. White House, Washington DC		+	1993
VR.C-016	Vera receiving National Medal of Science from President Clinton and Vice President Gore. White House, Washington DC		+	1993
VR.C-017	Vera and guests going to Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-018	Vera and guests going to Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-019	Vera and guests going to Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-020	Vera and guests going to Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-021	Vera with her housekeeper Lucille Herring and her sister Ruth Burg before award ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-022	Vera with her housekeeper Lucille Herring and her sister Ruth Burg before award ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-023	Vera going to Award Ceremony. National Medal of Science. White House, Washington DC		+	1993

VR.C-024	Vera with her housekeeper Lucille Herring and her sister Ruth Burg before award ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-025	Vera with her housekeeper Lucille Herring and her sister Ruth Burg before award ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-026	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-027	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-028	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-029	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-030	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-031	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-032	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-033	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-034	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-035	In anticipation of Award Ceremony. White House, Washington DC		+	1993
VR.C-036	President Clinton and VP Gore. National Medal of Science. Award Ceremony. White House, Washington DC		+	1993
VR.C-037	President Clinton and VP Gore. National Medal of Science. Award Ceremony. White House, Washington DC		+	1993
VR.C-038	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-039	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-040	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-041	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-042	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-043	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993

VR.C-044	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-045	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-046	President Clinton, VP Gore and Vera Rubin. National Medal of Science. White House, Washington DC		+	1993
VR.C-047	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-048	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-049	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-050	President Clinton, VP Gore and Vera Rubin. National Medal of Science. White House, Washington DC		+	1993
VR.C-051	President Clinton, VP Gore and Vera Rubin. National Medal of Science. White House, Washington DC		+	1993
VR.C-052	President Clinton, VP Gore and Vera Rubin. National Medal of Science. White House, Washington DC		+	1993
VR.C-053	President Clinton, VP Gore and Vera Rubin. National Medal of Science. White House, Washington DC		+	1993
VR.C-054	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-055	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-056	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-057	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-058	Award Ceremony. National Medal of Science. White House, Washington DC		+	1993
VR.C-059	President Clinton, Vera Rubin, Norman Hackerman, and Val Fitch. National Medal of Science. White House, Washington DC [photo by C. Woo]		+	1993
VR.C-060	Dr. Waelsch, Dr. Cram, Dr. Hackerman, Dr. Rubin, Dr. Kruskal, Dr. Cho. 1993 National Medal of Science recipients. White House, Washington DC [photo by Carol Clayton]		+	1993
VR.C-061	Dr. Waelsch, Dr. Cram, Dr. Hackerman, Dr. Rubin, Dr. Kruskal, Dr. Cho. 1993 National Medal of Science recipients. White House, Washington DC		+	1993
VR.C-062	Dr. Waelsch, Dr. Cram, Dr. Hackerman, Dr. Rubin, Dr. Kruskal, Dr. Cho. 1993 National Medal of Science recipients. White House, Washington DC		+	1993
VR.C-063	Vera Rubin. National Medal of Science. White House, Washington DC		+	1993

VR.C-064	Vera with her sister Ruth Burg. National Medal of Science. White House, Washington DC		+	1993
VR.C-065	Vera with her sister Ruth Burg. National Medal of Science. White House, Washington DC		+	1993
VR.C-066	The certificate of award ("Rubin Prize") for discovering a galaxy rotation curve with $V > 600$ km/s		+	1995
VR.C-067	Vera presents the \$100 bill "Rubin Prize" to Makoto Inoue		+	1995
VR.C-068	Vera presents the \$100 bill "Rubin Prize" to Makoto Inoue and James Moran		+	1995
VR.C-069	Vera presents the \$100 bill "Rubin Prize" to Makoto Inoue		+	1995
VR.C-070	Vera presents the \$100 bill "Rubin Prize" to Makoto Inoue		+	1995
VR.C-071	Makoto Inoue accepts the "Rubin Prize" for discovering a galaxy rotation curve with $V > 600$ km/s		+	1995
VR.C-072	James Moran and Makoto Inoue accept the "Rubin Prize"		+	1995
VR.C-073	James Moran and Makoto Inoue accept the "Rubin Prize"		+	1995
VR.C-074	James Moran and Makoto Inoue accept the "Rubin Prize"		+	1995
VR.C-075	Makoto Inoue and James Moran accept the "Rubin Prize"		+	1995
VR.C-076	Meeting, March 1995 - Rubin Prize		+	1995
VR.C-077	John H. Gibbons, Vera Rubin, and Marcia K. McNutt. Appointment to President's Committee on the National Medal of Science		+	1995
VR.C-078	Marcia K. McNutt, John H. Gibbons, Vera Rubin. Appointment to President's Committee on the National Medal of Science		+	1995
VR.C-079	Vera Rubin, John H. Gibbons, Marcia K. McNutt. Appointment to president's committee on the National Medal of Science		+	1995
VR.C-080	John H. Gibbons, Vera Rubin, and Marcia K. McNutt. Appointment to President's Committee on the National Medal of Science		+	1995
VR.C-081	Paula Zahn awarding Vera Rubin the Weizmann Women and Science Award		+	1996
VR.C-082	Paula Zahn, Vera Rubin, Ruth ..non? Weizmann Women and Science Award ceremony		+	1996
VR.C-083	Group photo. The Pontifical Academy of Sciences. Vatican		+	1996
VR.C-084	Vera Rubin with Pope John Paul II. The Pontifical Academy of Sciences. Vatican		+	1996

VR.C-085	Bob Rubin with Pope John Paul II. The Pontifical Academy of Sciences. Vatican		+	1996
VR.C-086	Vera receiving the D.Sc. degree. University of Michigan		+	1996
VR.C-087	Vera receiving the D.Sc. degree. University of Michigan		+	1996
VR.C-088	Vera with other honorary degree recipients. University of Michigan		+	1996
VR.C-089	Vera with other honorary degree recipients. University of Michigan		+	1996
VR.C-090	Vera with other honorary degree recipients. University of Michigan		+	1996
VR.C-091	Vera with other honorary degree recipients. University of Michigan		+	1996
VR.C-092	Vera at honorary degree ceremony. University of Michigan		+	1996
VR.C-093	NSB Annual Awards Dinner. Department of State, Washington DC		+	1997
VR.C-094	Group photo of newly sworn-in NSB members. NSB Annual Awards Dinner. Department of State, Washington DC		+	1997
VR.C-095	Swearing-in ceremony for new NSB members. NSB Annual Awards Dinner. Department of State, Washington DC		+	1997
VR.C-096	Vera and Bob Rubin at reception. Ohio State University		+	1998
VR.C-097	Vera receiving the D.Sc. degree. Ohio State University		+	1998
VR.C-098	Vera at reception. Ohio State University		+	1998
VR.C-099	Vera receiving the D.Sc. degree. Ohio State University		+	1998
VR.C-100	Vera Rubin, John Bahcall, Neal Lane. National Medal of Science and Technology Awards Ceremony Reception. White House, Washington, DC		+	1999
VR.C-101	Eamon Kelly, Rita Colwell, Vera Rubin. National Science Board Awards Dinner. U.S. Department of State		+	2002
VR.C-102	Vera receiving award?		+	2000s
VR.C-103	Bob Rubin, Jack Colwell, Vera Rubin, Rita Colwell. National Science Board Awards Dinner. U.S. Department of State		+	2003
VR.C-104	Vera receiving the Catherine Wolfe Bruce Gold Medal of Astronomical Society of the Pacific		+	2003
VR.C-105	Vera and Bob Rubin. Awards Dinner, Astronomical Society of the Pacific		+	2003
VR.C-106	Vera and Bob Rubin. Awards Dinner, Astronomical Society of the Pacific		+	2003
VR.C-107	Vera with other honorary degree recipients. Princeton University		+	2005

VR.C-108	Jack Gibbons, Vera Rubin, Alan Alda, Warren Washington, Stephanie Shearer. National Science Board Annual Awards Dinner. National Museum of Natural History, Washington, DC		+	2006
VR.C-109	Nancy Bakowski, Warren Washington, Vera Rubin, Bernard Burke. National Science Board Annual Awards Dinner. National Museum of Natural History, Washington, DC		+	2006

Box

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Series 4: Family, ca. 1945-2000s

number	Description	slide	print	year
VR.D-001	Vera Cooper. High school years		+	1945?
VR.D-002	Passport photo. Vera, David, Karl, and Judy Rubin		+	1959
VR.D-003	David, Karl, Bob, Judy, and Vera Rubin. On board R.M.S. <i>Nieuw Amsterdam</i> , en route from New York to France for Bob's summer school		+	1959
VR.D-003.1	Vera Rubin in garden	+		1959
VR.D-004	Karl, David, Allan, Vera, and Judy Rubin. Bear Lake, Rocky Mt. National Park, Colorado		+	1961
VR.D-005	Vera with her mother		+	1960s
VR.D-006	Vera with her mother		+	1960s
VR.D-007	Vera with her mother		+	1960s
VR.D-007.1	Vera with her mother	+		1965
VR.D-007.2	Vera with her mother and son Karl	+		1965
VR.D-007.3	Vera with her mother and son Karl	+		1965
VR.D-007.4	Vera with her mother	+		1965
VR.D-007.5	Vera with her mother	+		1965
VR.D-007.6	Vera with her mother and son Karl	+		1965
VR.D-008	Vera and Bob in French Alps. Summer of Besancon meeting		+	1970s
VR.D-009	Family snowshoe trek		+	1986
VR.D-010	Vera and Bob at Willow Pass, Snowmass Wilderness (12,530 feet)		+	1975
VR.D-011	Vera and Bob with granddaughter Ramona		+	1978

VR.D-012	Vera with Ramona. Watching the bears in the zoo		+	1981
VR.D-013	Granddaughter Ramona		+	1981
VR.D-014	Bob with grandson		+	1980s
VR.D-015	Vera with granddaughter Laura Young		+	1983
VR.D-016	Bob and Vera. China		+	1986
VR.D-017	Bob and Vera. China		+	1986
VR.D-018	"The lazy climbers." French Alps		+	1986
VR.D-019	Vera and Bob. China		+	1986
VR.D-020	Vera with granddaughter Laura		+	1986
VR.D-021	Vera with grandchildren. Tetons		+	1988
VR.D-022	Vera with granddaughter Laura		+	1988
VR.D-023	Laura on the piano		+	1990s
VR.D-024	Vera with granddaughter Laura Young at DTM		+	1990
VR.D-025	Vera with grandson Zan. Tetons		+	1989
VR.D-026	Vera in wildflower meadow. Tetons		+	1990s
VR.D-027	Laura Young, Judy Young, and Vera Rubin at home		+	1990s
VR.D-028	Judy Young, Laura Young, and Vera Rubin at home		+	1990s
VR.D-029	Bob, Allan, Zan, Michelle, Vera, David, Ramona. Grand Teton National Park		+	1990s
VR.D-030	Bob and Vera. Tetons		+	1990s
VR.D-031	Bob and Vera. Tetons		+	1990s
VR.D-032	Vera and Bob with children Karl, Judy, Allan and David, plus David's wife Michelle and grandchildren [photo by Pat Lanza Field]		+	1992
VR.D-033	Michelle, David, Zan, ?, Ramona, Laura, ?, Judy, Karl, Allan		+	1990s
VR.D-034	Bob Rubin		+	1990s?
VR.D-035	Rubins walking: Bob, Eli, Laura, Jonah, Allan, and Donna bringing up the rear. Costa Rica		+	1994
VR.D-036	Vera and Bob. Holland		+	1995
VR.D-037	Vera and Bob. Las Campanas Observatory, Chile	+	+	1998
VR.D-038	Vera and Bob. Israel		+	1998
VR.D-039	Rubin family celebrating Vera & Bob's 50th anniversary. Taos, New Mexico		+	1998
VR.D-040	Bob with Jonah, youngest grandchild		+	2001
VR.D-041	Vera and Bob		+	2000s
VR.D-042	Bob, Karl, and Vera Rubin with Lucille Herring at the White House, Washington DC		+	2000s

VR.D-043	Lucille Herring, Karl Rubin, and Vera Rubin at the White House, Washington DC		+	2000s
VR.D-044	Lucille Herring, Karl Rubin, and Vera Rubin at the White House, Washington DC		+	2000s
VR.D-045	Bob Rubin, Vera Rubin, Lucille Herring, Karl Rubin, and Ruth Burg at the White House, Washington DC		+	2000s
VR.D-046	Rubin Family. First sight of the Pacific. Costa Rica		+	2000
VR.D-047	Vera, Karl, and Bob Rubin		+	2000s
VR.D-048	Vera Rubin with her sister Ruth Cooper Burg		+	2000s
VR.D-049	Vera with granddaughter at DTM		+	2000s

Series 5: Unidentified photographs, [ca. 1960-1990s]

Box
5

Series 6: Oversize photographs, miscellaneous negatives, retirement book, [ca. 1970-2000s]

Box
6

Subject Terms

Topics: Astronomy—Research
 Astronomy—Congresses
 Dark matter (Astronomy)
 Observatories
 Women scientists
 Women scientists—Awards

Occupations: Astronomers
 Scientists

Corporate Names: Carnegie Institution of Washington. Department of Terrestrial Magnetism.

Forms: Photographic prints
 Negatives
 Slides (photographs)
 Photobooks

Bibliography

Rubin, Vera. *Bright Galaxies, Dark Matters*. AIP Press, Woodbury, N.Y., 1997.

Rubin, Vera, "Seeing Dark Matter in the Andromeda Galaxy." *Physics Today* 59, 12 (2006): 8-9. Available online: <https://physicstoday.scitation.org/doi/10.1063/1.2435662>.

Rubin, Vera C. "An interesting voyage." *Annual Review of Astronomy and Astrophysics* 49 (2011): 1-28. Available online: <https://www.annualreviews.org/doi/abs/10.1146/annurev-astro-081710-102545>.

Related Collections

Oral history interview of Vera Rubin by Alan Lightman on 1989 April 3, Niels Bohr Library & Archives, American Institute of Physics, College Park, MD. Available online: <https://www.aip.org/history-programs/niels-bohr-library/oral-histories/33963>.

Oral history interview of Vera Rubin by David DeVorkin on 1995 September 21, Niels Bohr Library & Archives, American Institute of Physics, College Park, MD. Available online: <https://www.aip.org/history-programs/niels-bohr-library/oral-histories/5920-1>.

Oral history interview of Vera Rubin by David DeVorkin on 1996 May 9, Niels Bohr Library & Archives, American Institute of Physics, College Park, MD. Available online: <https://www.aip.org/history-programs/niels-bohr-library/oral-histories/5920-2>.

Oral history interview of Vera Rubin by Carl and Pam Lankowski on 2011 November 5, Historic Chevy Chase DC, Washington, D.C. Available online: <http://www.historicchevychasedc.org/vera-rubin-full-interview>.

Rubin's correspondence connected with DTM may be found in:
Department of Terrestrial Magnetism General Files, Department of Terrestrial Magnetism, Carnegie Institution of Washington.

Vera C. Rubin Papers, Manuscript Division, Library of Congress, Washington, D.C.