ROBERT & SHANA PARKEHARRISON

AMERICAN, B. 1968; AMERICAN, B. 1964

Departure, 1997

PHOTOGRAVURE WITH BEESWAX, ED. 23/35

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY MRS. ROWE S. GIESEN 2001.7

LEWIS P. TABOR

AMERICAN, 1900-1974

Untitled Astronomical Study, ca. 1935

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY HOWARD STEIN 2000.7

PENELOPE UMBRICO

AMERICAN, B. 1957

Viral Field/Seasonal Catalog Jewelry, 1998-2000

7 PIGMENT PRINTS

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY MARK AND HILARIE MOORE 2013.37A-G

UNKNOWN, YERKES OBSERVATORY

AMERICAN

Morehouse's Comet, 1908

ALBUMEN PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY FOPA 1998.42.2

UNKNOWN, YERKES OBSERVATORY

AMERICAN

The Pleiades, ca. 1925

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE, LUDINGTON DEACCESSIONING FUND 2009.63.1

UNKNOWN, YERKES OBSERVATORY

AMERICAN

The Pleiades, ca. 1925

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE, LUDINGTON DEACCESSIONING FUND 2009.63.2

MICHAEL LIGHT

AMERICAN, B. 1963

Edward White at 17,500 mph Over the Gulf of Mexico, Photographed by James McDivitt, Gemini 4, June 3, 1965, 1999 (printed 2000)

DIRECT DIGITAL PRINTING WITH COLOR-COUPLER PHOTOGRAPHIC PAPER

SBMA, GIFT OF ARTHUR B. STEINMAN 2003.88.24

JOHANN PALISA & MAX WOLF

CZECH, 1848-1925; GERMAN, 1863-1932

Plate 235: Star Map (Photographische Sternkarten), 1901

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY ERIC SKIPSEY 2002.62.1

JOHANN PALISA & MAX WOLF

CZECH, 1848-1925; GERMAN, 1863-1932

Plate 606: Star Map (Photographische Sternkarten), 1902

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY ERIC SKIPSEY 2002.62.2

JEFFREY BECOM & COREY ALLEN

AMERICAN, B. 1953; AMERICAN, B. 1972

Full Moon, 2007

TINTYPE ON COPPERPLATE, ED. 1/10

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY ERIC SKIPSEY 2007.45

GABOR KEREKES

HUNGARIAN, B. 1945

Herschel, 2000

PHOTOGRAPH FROM PRINTING OUT PAPER WITH GOLD TONE, ED. 3/10

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY THE WALLIS FOUNDATION 2005.4

CHRIS MCCAW

AMERICAN, B. 1971

Sunburn #194 (Pacific Ocean), 2008

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE,
GENERAL ART ACQUISITION FUND
2008.32.2

NASA

AMERICAN

Day 321, Survey R, Sectors 15 and 16, 1967

114 GELATIN SILVER PRINTS MOUNTED ON VELLUM

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY PHOTOFUTURES 2003.66

NASA

AMERICAN

Space Walk from the Shuttle Discovery; September 1, 1985, 1985

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY ERIC SKIPSEY 2008.12.1

AMERICAN

Voyager 2 (Multiple Views of Saturn), 1977

GELATIN SILVER PRINTS

SBMA, MUSEUM PURCHASE WITH FUNDS
PROVIDED BY ERIC SKIPSEY
2006.64

TREVOR PAGLEN

AMERICAN, B. 1974

Yosemite and Reconnaissance Satellites, 2008

PIGMENT PRINT

SBMA, MUSEUM PURCHASE,
LUDINGTON DEACCESSIONING FUND
2009.62

BERENICE ABBOTT

AMERICAN, 1898-1991

Pendulum, 1979 (printed 1982)

GELATIN SILVER PRINT, ED. 39/40

SBMA, MUSEUM PURCHASE 2010.6.1

DAVIS BIRKS

AMERICAN, B. 1957

Blackboard, #10, 2005

PERMANENT INK AND ACRYLIC BEHIND PLEXIGLAS

SBMA, MUSEUM PURCHASE 2007.36

DOUG BUSCH

AMERICAN, B. 1951

Bugs, Illinois, 1974

GELATIN SILVER PRINT

SBMA, GIFT OF ROBERT AND LORRAINE SCHNITZER 1996.69.12

PAUL CAPONIGRO

AMERICAN, B. 1932

Tree Stump, Ipswich, MA, 1962

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE, COHN ACQUISITION FUND 2013.36

WALTER CHAPPELL

AMERICAN, 1925-2000

Bracken Fern, 1974

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY PHOTOFUTURES
2002.41

LINDA CONNOR

AMERICAN, B. 1944

August 13, 1892, Starfield, Lick Observatory, Cracked Plate, 1999

TONED GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE 2012.42.4

HAROLD EDGERTON

AMERICAN, 1903-1990

Dynamite Cap, ca. 1960

GELATIN SILVER PRINT

SBMA, GIFT OF THE HAROLD AND ESTHER EDGERTON FOUNDATION
1996.18.12

HAROLD EDGERTON

AMERICAN, 1903-1990

Dynamite Cap Explodes, 1960

GELATIN SILVER PRINT

SBMA, GIFT OF THE HAROLD AND ESTHER EDGERTON FOUNDATION
1996.18.21

DANIELLE EZZO

AMERICAN, B. 1984

Constellation No. 2, 2012

SALTED PAPERPRINT, ED. 1/1

SBMA, GIFT OF FOCUS IN HONOR OF LISA VOLPE 2013.56

LUKAS FELZMANN

SWISS, B. 1959

Swarm No. 92-23, 2011

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS
PROVIDED BY PHOTOFUTURES
2013.16

NEIL FOLBERG

ISRAELI, B. 1950

Comet, Hale Bopp, 1997

GELATIN SILVER PRINT, ED. 6/49

SBMA, GIFT OF ARTHUR STEINMAN 2002.70.13

JOAN FONTCUBERTA

SPANISH, B. 1955

Beta Cephei, 1993

SILVER DYE BLEACH PRINT

SBMA, MUSEUM PURCHASE,
PHOTOGRAPHY ACQUISITION FUND
1999.53

RICHARD GORDON

AMERICAN, 1945-2012

Untitled, 1978 (printed 1994)

GELATIN SILVER PRINT, ED. 6/49

SBMA, GIFT OF PETER BRADSHAW 2000.15.3.45

CYNDEE HOWARD

AMERICAN, B. 1950

Starpath, 2011

PIGMENT PRINT ON ALUMINUM, ED. 2/5

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY THE DANA AND ALBERT BROCCOLI FOUNDATION 2013.38

HAROLD SPENCER JONES

ENGLISH, 1890-1960

Total Solar Eclipse, 1914

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS
PROVIDED BY FOPA
1998.42.1

PIRKLE JONES

AMERICAN, 1914-2009

Richardson Bay Salt Marsh, 1978

GELATIN SILVER PRINT

SBMA, GIFT OF PIRKLE JONES 2002.19.63

avenly Bodies Labels - Page 14

KENNETH JOSEPHSON

AMERICAN, B. 1932

Colorado, 1959

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE, COHN ACQUISITION FUND 2013.35

ANISH KAPOOR

ENGLISH, B. 1954

Untitled #10, 1990

COLOR ETCHING AND AQUATINT, ED. 24/75

SBMA, GIFT OF BURT AND JANE BERMAN 2000.51.4

WILLIAM MCDOWELL

AMERICAN, B. 1956

Milky Way 3, 2005 (printed 2010)

GELATIN SILVER PRINT

LOAN

NASA

AMERICAN

Orbiter Mission, 1967

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE,
PHOTOGRAPHY ACQUISITION FUND
2004.19

AMERICAN

Space Walker, 1984

DYE TRANSFER PRINT, ED. 25/250

SBMA, GIFT OF HOWARD STEIN 2006.93.1

AMERICAN

Enclead, Moon of Jupiter, 1979

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE,
LUDINGTON DEACCESSIONING FUNDS
2009.64

AMERICAN

Moonscape, Mission: Apollo 12, 1969

DYE TRANSFER PRINT, ED. 21/250

SBMA, GIFT OF HOWARD STEIN 2006.93.3

NASA

AMERICAN

Mission: Apollo-Saturn 12, 1969

GELATIN SILVER PRINT, ED. 36/250

SBMA, GIFT OF HOWARD STEIN 2006.93.2

GORDON NEWKIRK

AMERICAN, 1928-1985

Untitled (Eclipse of Solar Corona), 1967

GELATIN SILVER PRINT

SBMA, GIFT OF JEAN AND EDGAR BISSANTZ 1989.1.4

JENNY OKUN

AMERICAN, B. 1953

Mars Orbiter 1, 2008 (printed 2010)

INKJET PRINT, ED. 1/10

SBMA, GIFT OF THE ARTIST 2010.17.1

SHEILA PINKEL

AMERICAN, B. 1941

Cherries, 1982

INKJET PRINT

SBMA, MUSEUM PURCHASE, COHN ACQUISITION FUND 2013.23.1

MAN RAY

AMERICAN, 1890-1976

Le Monde, 1931

PHOTOGRAVURE

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY PHOTOFUTURES 2010.32

MICHELLE STUART

AMERICAN, B. 1933

Land/Space/Time, 2011

20 INKJET PHOTOGRAPHS

SBMA, MUSEUM PURCHASE,
GENERAL ART ACQUISITION FUND
2013.20A-T

RYUJI TAIRA

JAPANESE, B. 1960

Vicissitudes, 2003

PLATINUM PRINT, ED. 2/15

SBMA, GIFT OF KOICHIRO KURITA 2005.47.1

UNKNOWN

Solar Telescope, 1893

ALBUMEN PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS
PROVIDED BY FOPA
1998.16

UNKNOWN

Eclipse, n.d.

GOLD TONED ALBUMEN PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS
PROVIDED BY FOPA
1998.42.3

ROMAN VISHNIAC

POLISH, 1897-1990

Lobster Larva, ca. 1960

GELATIN SILVER PRINT

SBMA, GIFT OF DAVID SHAW 1997.100.26

HUNTINGTON WITHERILL

AMERICAN, B. 1949

Swamp Cooler, #2, 1995

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS
PROVIDED BY ERIC SKIPSEY
2006.53.11

JACQUELINE WOODS

AMERICAN, B. 1965

Black Sun #3, 2013

GELATIN SILVER PRINT

LOAN, COURTESY OF THE ARTIST

NEW ZEALANDER, B. 1971

Bloom, 1998

SILVER DYE BLEACH PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY DR. LOUISE CLARKE 2013.42

The microbial growths, collected in Joyce Campbell's Petri dish became a monumental question of geographical identity, sublimity, biology, philosophy, and art. The billowing bacterial formations appear scattered at first glance but with a focused eye resemble the intricacies of an ancient world map. In Bloom, Campbell in fact mapped Los Angeles through these bacterial traces: swabbing samples from each district, growing the microbes in the Petri dish, and photographing the growing dots and blooms. The resulting dish contains microbial colonies of bacillus subtilis. Her microscopic creativity bloomed just as the landscape of Los Angeles is constantly blooming with human growth and expansion. The poetic quality of Campbell's creation testifies to her ability to "[make] visible the micro contained systems that might otherwise be invisible."

JOHN CHERVINSKY

AMERICAN, B. 1961

All Watched Over, 2006

ARCHIVAL PIGMENT PRINT

SBMA, MUSEUM PURCHASE TR 3408

Chervinsky constructs a planetary scene atop a chessboard; he casts away a pawn, and instead "plays" with perspectives. A laboratory engineer at the Harvard University's Rowland Institute of Science, Chervinsky's work illuminates the intersection of art and science. In an effort to explain the importance of physics to laymen Chervinsky draws on blackboards and places them accordingly to explain or reveal concepts of physics. Quite literal in his scientific approach, he poetically employs optics to imply human presence in relation to science, the universe, and the photograph. The mirrored planets reveal interior views of the photographer's studio, yet the photographer is still not visible. As perspectives must be contemplated, human presence is merely implied. Such is the relationship between physics and the universe, scientific theories and concepts that persist with or without human life. We may try to understand but they subsist outside of our vision.

AMERICAN, B. 1954

Salt Pond, Point Lobos, CA, 2000

GELATIN SILVER PRINT

SBMA, GIFT OF JERRY WOLFE 2004.60.1

An abyss of the unknown threatens to engulf its surroundings. The unique gravitational pull of this black hole attracts the viewer towards the layered darkness. Monterey-based photographer Richard Garrod did not venture into the universe to capture the impossible, but rather his exceptional printmaking technique and black and white photography make abstract a salt pond in Point Lobos, California. The crisp glory of his toned photography testifies to the spiritual nature of his work. Garrod eloquently summarizes the creative thinking behind his processes: "I go through life constantly looking for that elusive image that has ambiguity to it, that conglomeration of design and form, ambiguity and strangeness that is visual." The mystery of this natural setting is a credit to Garrod's talent and passionate motivation to find the beauty in landscape photography.

CHRIS MCCAW

AMERICAN, B. 1971

Sunburn #202, 2008

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE 2008.32.1

A gash. A scar. A burn. A sunburn. With extended vulnerability to the sun, Chris McCaw's works reveal the physical presence and harmful mark of the heavens, as many images are singed during the sun's daily journey across the sky. Here the effects of solarized paper are physically visible. This is not your typical two dimensional photograph; this was originally a photographic accident then embraced and made famous by McCaw. Using self-built largeformat cameras and vintage photographic paper McCaw documents astronomical occurrences with exposures ranging from fifteen minutes to twentyfour hours. Rather than landscapes as photographic subject, this image from his Sunburn series glorifies the power of the sun in relation to life on earth. Though the beauty of the heavens persists, the cyclic and mighty energy of the sun is the subject McCaw investigates.

JENNY OKUN

AMERICAN, B. 1953

Earth 1, 2008 (printed 2010)

INKJET PRINT, ED. 1/10

SBMA, GIFT OF THE ARTIST 2010.17.2

In this collage comprised of NASA data Jenny Okun makes visible the architecture of earth as seen from space. Earth 1 reveals the wonder and magnificence of our complex planet. A compilation of weather highlights, cityscapes, aerial views, and planetary views, the work is reminiscent of our dreams. Okun's uncanny ability to provide audiences with constructed realties that resemble the workings of our subconscious, stand in complete opposition to linear thinking. Before Photoshop and digital manipulation Okun produced her magical constructions of space on film, often taking 12 images on one sheet. In Earth 1 Okun conducts the musical experience of the galaxies, not only bringing forth new sights but also orchestrating new dream-like realities.

RICHARD SALAS

AMERICAN, B. 1955

Kelp Universe, 2012

INKJET PRINT

LOAN, COURTESY OF THE ARTIST

Perhaps a view of cosmic canyons, or deep asteroid crevices, the landscape of Richard Salas photo appears to be extraterrestrial planetary markings. As though he were a pioneering explorer of the galaxies, Salas uniquely captures the beauty of a "heavenly" body, which is in fact a body of water. Pacific Ocean Kelp, ordinarily the weed that is cast off by seas and people alike, is brilliantly illuminated and electrified with energy comparable to space. The uncomfortable and often alutinous "seaweed" is gilted through photographic ingenuity. Salas' profound love and passionate advocacy for all sea creatures (especially sharks) culminates in images that glorify ocean life and redeem the often pestilent reputations of pelagic life. Kelp Universe is the celestial splendor of the seas.

DAVID MALIN

ENGLISH, B. 1941

Aurorae Australis Seen from Siding Spring

ATT 8 Spiral Galaxy M83, NGC 5236

AAT 13 Cone Nebula and NGC 2264 Cluster

AAT 36 Horsehead Nebula and NGC 2023

AAT 66 Supernova 1987 A Light Echo

UKS 2 Vela Supernova Remnant

From the portfolio Capturing Ancient Light, 1989

6 CHROMOGENIC PRINTS

A, MUSEUM PURCHASE WITH FUNDS PROVIDED BY PHOTOFUTURES 2005.32.1,.6,.7,.12,.14,.21

SHARON HARPER

AMERICAN, B. 1966

Moon Studies and Star Scratches #7 June—September, 2004 Saratoga Springs, NY; Middlesex, VT; Johnson, VT; Eden Hills, VT; Greensboro, NC, 2004

CHROMOGENIC PRINT

LOAN

tended title includes dates and location for a single photographs. Initially photography captured single and months. Her long exposures of moon and stars an image that becomes the physical intersection of image, and documents the moon over days, weeks, in Moon Studies and Star Scratches. Sharon Harper, moments in time; however, time is not always fixed mingle to uproot many assumptions on star gazing reveal scattered whites and ghostly star presence Velvet darkness magnifies illusion and illumination Studies at Harvard University, Harper teaches her appear as a singular moment captured on a naturally still tapestry. A professor of Visual years old, once viewed on earth but on a second photographic objectivity, movement, and time, all time, space, science, philosophy, and art. The exlike several artists in Heavenly Bodies, conceived in "real" time by Harper. Science and illusion co On one level shimmering starry nights are light viewers about the layered complexities within within the context of a reverent image. evel they

WILSON BENTLEY

AMERICAN, 1865-1931

Untitled (Snowflake), ca. 1920

GELATIN SILVER PRINTS

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY JGS 2008.16.1

"... I found that snowflakes were miracles of beauty; unique weather conditions contribute to their diverse architecture, nearly invisible to the common eye until This magical constellation of snowflakes is a portion these natural creations have the elegance and mon-"no two snowflakes are alike. passion which compelled Bentley's studies led to his produced over 5,000 snowflake microphotographs. and it seemed a shame that this beauty should not be seen and appreciated by others. Every crystal life to them. Made up of the simplest of elements, delicate crystal lace lasted over forty years. The "Snowflake Bentley" dedicated his photographic His commitment to the documentation of nature's was a masterpiece of design and no one design umentality of the stars. As Bentley joyously said, As these ice crystals descend from the heavens, Wilson Bentley of the legendary project of discovery that in fact, was ever repeated."

PAUL CAPONIGRO

AMERICAN, B. 1932

Galaxy Apple, 1964

GELATIN SILVER PRINT

SBMA, MUSEUM PURCHASE WITH FUNDS PROVIDED BY THE WALLIS FOUNDATION 2003.49.5

own words, "photography provides an intersection of He challenges the viewer, to see objects of everyday life equally as wondrous as the stars and planets of enough to recognize the life of the materials..." He beauty, and hope of space within the simple time, space, light, and emotional stance. One needs print-making confounds the viewer as his black and white image turns ordinary to extraordinary. In his disrupts the understanding of size and presence in universes beyond us. Caponigro condenses the exin which he envisions the immensity of the heavens. objects with his enigmatic approach to the apple, to be still enough, observant enough, and aware glisten with silver tones, a reminder of mankind's humble existence and the limitless possibilities of The glow of luminous nebulae radiates from the form of a quotidian apple. The brilliance of his galaxy in Paul Caponigro's print. Floating stars our night sky. panse,

BRETT WESTON

AMERICAN, 1911-1993

Water, 1976

GELATIN SILVER PRINT

SBMA, GIFT FROM THE CHRISTIAN K. KEESEE COLLECTION 2008.75.27

fied "Brett Weston [as] the child genius of American Photography." The monumentality of these everyday consume all. The striking contrast of the deep black with the light greys and whites is a testament to the becomes a wonder. Van Deren Coke, former curator objects reveals Weston's ingenuity: water and soap of 82, the second son of Edward Weston continued lating perspectives. Here he suggests the sublime in at age 12 until his death at the age of the San Francisco Museum of Modern Art, glori-Circular abysses of impending darkness bubble up, water and soap bubble. Using simple yet defined tones to transform water and alter our recognition of the subjects an unimpressive greasy frying pan dark stars will grow exponentially and eventually sense, he is known for manipuextraordinary darkroom skill of Brett Weston. A worked exclusively in black and white. With his seeming to imply a looming doom. It is as if the are transformed through his vision. unequaled graphic photographer

The wonder of the universe—moons, stars, and planets, which is becoming more visible to us, is explored in the exhibition titled *Heavenly Bodies* From humankind's earliest beginnings, few have gazed at a starry night and not been struck with a profound sense of awe at the macrocosm: the universe and its planets, meteors, blazing comets and falling stars. The Hubble telescope and ever-more-powerful observatories have only increased the wonder, revealing galaxies and constellations previously impossible to see. Conversely, small wonders are captured by visionary photographers who see a galaxy in an apple, milky ways in bird swarms, and a cosmos in microscopic life.

This exhibition of over sixty images, drawn almost entirely from the permanent collection, continues the Santa Barbara Museum of Art's dedicated exploration of the intersections of art and science. Heavenly Bodies includes images of stellar constellations, solar eclipses, streaking comets, and the full moon along with photographs of the ordinary made extraordinary—blackboards and bacteria, ferns and bugs, salt ponds and soap bubbles. The iconography of the sublime is made a staple as conceptual photographers create new realities, alter perspectives, and recreate galactic images from the familiar. The natural wonder of the heavens is mimicked in photographic constructions and manipulated images from a range of photographic artists.

As scientists continue to unravel the mysteries of the universe, artists, ever the antennae of the human race, strive to assimilate and communicate the newly revealed marvels while making visible the everyday wonders in our midst.

Introduction

Gerber vinyl: Sapphire Blue matte finish