

Accession No.: 2008-05

PROCESSING RECORD
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

Marshall, Neil F.

Neil F. Marshall Papers, 1941-1978

Physical Description: 7 16mm films, 1 photograph, 339 35mm slides

Description: The accession includes seven 16mm films and 339 35mm slides taken or acquired by Neil Marshall during the years he worked as a geologist at Scripps Institution of Oceanography in Francis P. Shepard's group. The films are not fully identified. One is labeled "Scripps Submarine canyon 1956 or 1957, F. P. Shepard Submarine Canyon." Another is labeled, "Moriarty and Beal 1952-1953 Squid in Canyon, Cabo san Lucas." Another appears to be a film shot by Sam Raymond of the 1966 maiden voyage of R/V Thomas Washington in the Bahamas. The 35mm slides include images documenting expeditions, oceanographic instrumentation and people. The slides include images of Carmarsel Expedition and other expeditions lead by Francis Shepard. The slides include many images relevant to plate tectonics, including cartoons and humorous images. Films and slides taken by Marshall while UC employee.

**Neil F. Marshall
Papers, 1941-1978
Accession Number 2008-05**

FILM SERIES

REEL **FILM LABEL** [located in Media]

- 1 Scripps Submarine Canyon 1956 or 1957, F. P. Shepard Submarine Canyon. 16mm film
- 2 Squid in Canyon, Cabo San Lucas. Moriarty and Beal 1952-1953. 16mm film
- 3 Maiden voyage of R/V THOMAS WASHINGTON, 1966. 16mm silent film. 12:28 minutes. Bahamas area? Film came from Sam Raymond, President of Benthos Corp.
- 4 [No label] 16mm film
- 5 Cabo San Lucas. 16mm film
- 6 [No label] 16mm film
- 7 [No label] 16mm film

PHOTOGRAPH SERIES

FC44 Portrait, Neil Marshall, n.d.

SLIDE SERIES

Slide **Title**

- 1 Neil Marshall preparing to dive Scripps Canyon. Apr 1970
- 2 Glomar Explorer at Lahaina having just recovered the Russian submarine. Was when Neil Marshall, Charles Hollister and Bruce Heezen were doing deep submersible research in Hawaiian waters. 1974
- 3 James Stewart's arm, shark bite
- 4 Neil Marshall setting up current meter. Switzerland 1973
- 5 Current meters etc on Vierwaldstatter See. Switzerland 1973

Slide Title

- 6 Kerry Kelts ETH Zurich, was SIO post doc 1975 [Slide printed June 1973]
- 7 Setting up current meters. Vierwaldstatter See. Switzerland 1973
- 8 Neil Marshall Setting up current meters. Switzerland 1973
- 9 Neil Marshall exploring slump scar off Scripps Canyon
- 10 Carmarsel Expedition. Diving deep over 250 feet
- 11 Scripps Institution of Oceanography [view from offshore, Jan 1974]
- 12 Bureau of Commercial Fisheries building on cliff next to Scripps. [now Southwest Fisheries Science Center]. Dec 1975
- 13 IGPP building on cliff. Dec 1975
- 14 Scripps Directors Office building, from beach. Dec 1975
- 15 Rotary cutters used on JOIDES drilling, Jan 1973
- 16 Storm surf at SIO. Jan 1973
- 17 Santa Rosalia. Jean [Filloux] and Gary [Sullivan] leaving to install tide gauge. Feb 1971
- 18 Cape (Cabo) San Lucas
- 19-20 Gary Sullivan, going south. Feb 1971
- 21 Elizabeth Shepard, Cape [Cabo] San Lucas, Mar 1971
- 22 Francis Shepard and Gary Sullivan at Shepard's Rock. Cape [Cabo] San Lucas
- 23 Jean Filloux and pelicans. Cape [Cabo] San Lucas. Mar 1971
- 24 Francis Shepard measuring distance. Cape [Cabo] San Lucas
- 25 Francis Shepard and Gary Sullivan at Shepard's Rock. Cape [Cabo] San Lucas
- 26 Children in camp with Gary Sullivan. Cape [Cabo] San Lucas. Mar 1971
- 27 Neil Marshall and Gary Sullivan at Cape [Cabo] San Lucas

Slide Title

- 28 Kerry Kelts, was an SIO post doc. Neil Marshall. Urnersee, Switzerland. Jun 1973
- 29 Neil Marshall deploying SIO instruments in Urnersee, Switzerland, for Ken Hsu at ETH, Zurich. Jun 1973
- 30 Jean Filloux. Instrument deployment along coast of Baja on trip south to deploy instruments in canyon at Cape [Cabo] San Lucas. Apr 1971
- 31 Gary Sullivan going south for two month instrument deployment at Cape [Cabo] San Lucas. Feb 1971
- 32 Francis Shepard. Cape [Cabo] San Lucas
- 33 Neil Marshall [at sea]
- 34 Gary Sullivan [who worked for Francis Shepard] building fish traps. Mar 1971
- 35 Long Lake, Alaska, operation site. Drilling barge and silt in foreground. Sept 1965
- 36 Neil Marshall [at table at gathering]. 1972
- 37-38 Ed Lang [playing harp at gathering]
- 39 [Aerial view of] La Jolla. Dec 11, 1971. SIO in background
- 40 Ron Keefe worked at SIO Visibility Lab, Point Loma. Also Deep Sea Drilling Program and for the US Fish and Wildlife Service above SIO [Bureau of Commercial Fisheries, Southwest Fisheries Science Center] Apr 1972
- 41-42 Dave Drake. Jun 1972
- 43 Pat McLoughlin, worked for Francis Shepard. Apr 1972
- 44 Harold Sammuli on R/V Thomas Washington maiden voyage off Columbia. 1966
- 45 Bruce Heezan and Mrs. Francis Shepard, on R/V Thomas Washington maiden voyage off Columbia. 1966
- 46 Jacques Cousteau divers Labon and Falco, gearing up to dive in Scripps Canyon, Feb 1964
- 47 Jacques Cousteau divers, gearing up to dive in Scripps Canyon, Feb 1964
- 48 Wendal Gayman [wearing dive gear in small boat], 1962

Slide Title

- 49 George Hohnhaus, early 1965
- 50 John Houchen [in small boat] tracking diving saucer “Denise” [Westinghouse submersible] at Scripps and La Jolla Canyons. Jan 1965
- 51 Ruth (Young) Manar, Vermilion Sea Expedition 1959. On the R/V Spencer F. Baird with young Mexican friend. La Paz, Baja California
- 52 Captain Noel Ferris of the SIO fleet. Oct 1964
- 53 Bob ‘Parky’ Parker, Vermilion Sea Expedition 1959. He recovered here the first Neopolina specimens since the Challenger Expedition.
- 54 Erk [Reimnitz standing on the] Flats, 1963. Copper River Delta pre-1964 earthquake. This was his SIO thesis site (the whole delta)
- 55 Carl Shipek and early Shipek camera –robot camera inside case. Vermilion Sea Expedition 1959
- 56 Carl Shipek. Vermilion Sea Expedition 1959
- 57 Harry Grow with young mangrove tree in pot, at Boca de Soledad, Magdalena Bay, Baja California, June 1962. Banglejan [spp?] Expedition on R/V Stranger
- 58 Harry Grow, Joe Cobarubias, ten day expedition with Bruno D’Angesko [spp?]to Boca de Soledad, Magdalena Bay, Baja California, June 1962. This is a campsite where we stayed for two days awaiting arrival of other others. Trees are mangroves.
- 59 Judy Marshall and [tiki] friends. Kauai, Hawaii after Gilbert Ellis Island Expedition.
- 60 Neil Marshall preparing underwater camera in office on third floor of Ritter Hall at SIO. Apr 1970
- 61 Vicki Allen, Judy Marshall
- 62 Vicki Allen in Honolulu, Hawaii, morning bath (swim in ocean at dock) Sept 1974
- 63 Erk Reimnitz, Alaska 1964
- 64 Margaret Miller at SIO. Francis Shepard’s secretary for many years. Also wife of writer Max Miller for whom La Jolla Rough Water Swim award is given annually. Apr 1972
- 65 Francis Shepard lecturing at Moss Landing Marine Laboratory. Apr 1973

Slide Title

- 66 Bob Hurley at Moss Landing Marine Laboratory listening to Francis Shepard. Apr 1973
- 67 Francis Shepard at SIO. Apr 1972
- 68 Francis Shepard, Bob Parker, Bob Hurley. Vermilion Sea Expedition on R/V Spencer F. Baird.
- 69 James Stewart [in wetsuit onboard ship]. Cape (Cabo) San Lucas, Baja California [Mexico]. Jan 1965
- 70 Tom Hilde [in wetsuit on small boat]. Mar 1962
- 71 Tom Hilde on a diving trip to the kelp beds [in wetsuit with serape]. Mar 1962
- 72 Tom Hilde, diver [underwater photograph]. Mar 1962
- 73 Neil Marshall and Tom Hilde diving off La Jolla, SIO in background [in wetsuits on small boat]. Mar 1962
- 74 Bob Dill and James Stewart taking survey positions in rear with sextants, Bacanyon Expedition R/V Argo, Feb 1962
- 75 Victor Vacquier and Wendle Gaymon [wearing wetsuits while in an underway small boat] [Tom] Hilde's hand [holding] scallop guts. SIO pier in background. Mar 1962
- 76 Mrs. E. [Francis] Shepard. Hawa Canyon Expedition. Jan 1963
- 77 Bert Kobayashi with 'nice bugs' [lobsters] in front of SIO Dive shower. Late 1960s
- 78 Bob Dill, Ricardo Presbitero examining dike structure. San Lucas, Inland. Feb 1965
- 79 James Stewart aboard R/V Argo, Bacanyon Expedition. Feb 1962
- 80 Francis Shepard in swimming gear at Shepard's Rock, Cape [Cabo] San Lucas. Jan 1965
- 81 Erk Reimnitz, Alaska 1964. After great Alaskan earthquake, Copper River Delta. That's frozen salt water spray on him
- 82 Erk Reimnitz, Alaska 1963. Prince William Sound, Copper River Delta.
- 83 Old Uncle [Erk] Reimnitz at Long Lake, Alaska 1965. Project for Corps of Engineers
- 84 Untitled [Neil Marshall]

Slide Title

- 85 Neil Marshall with dredge haul at sea
- 86 Neil Marshall and Tom [Hilde, wearing wetsuits on small boat]. Mar 1962
- 87 Neil Marshall off La Jolla [wearing wetsuit] Mar 1962
- 88 Neil Marshall, aboard R/V Horizon, Vermilion Sea Expedition, 1959
- 89 Tombolo [on beach with spearfishing gear] at Cape [Cabo] San Lucas, Baja California.
- 90 Neil Marshall with B [beard, wearing wetsuit on small boat with scuba tanks]. Mar 1962
- 91 Neil Marshall with beard and our garden, Pacific Beach June 1964
- 92-93 [Neil Marshall] collecting prickly pears
- 94 Neil Marshall in back of picture, aboard R/V Horizon, Vermilion Sea Expedition, 1959
- 95 Neil Marshall [in small boat] Orca inlet, June 1963
- 96 Neil Marshall, Mar 1973
- 97-98 Neil Marshall, Apr 1972
- 99 Neil Marshall [in parka, snowy scene] Jan 1968
- 100 Neil Marshall, Jun 1972
- 101 Neil Marshall, Apr 1972
- 102 Neil Marshall, Apr 1975
- 103 Neil Marshall [on wharf], Jul 1972
- 104-120 Scripps beach, La Jolla Shores [with thick low marine layer moving offshore]. Apr 1970
- 121-138 Sea floor spreading / continental drift figures, evidently for a class or lecture
- 139 Neptune aiding continental drift (cartoon)
- 140-171 Sea floor spreading / continental drift figures, evidently for a class or lecture

Slide Title

- 172-178 Untitled. Aug 1974 [a large diameter curved 90 degree angled pipe hanging below the transom of a small boat, to enclose the prop of an inboard/outboard motor, probably to redirect prop wash to a shallow sandy bottom for excavation]
- 179-184 Dart sampler [onboard ship]. Oct 1964
- 185 Edgerton camera, with current fins, prior to fatal plunge. Oct 1964
- 186 Scripps pier, with diving cart [being jockeyed by two men, approaching pier entrance. Center for Coastal Studies building under construction]. Mar 1962
- 187-188 Stern A-frame, box sampler, Mel Peterson. Oct 1964
- 189 “The Mess” after a dive [scuba gear on floor of small boat]. Mar 1962
- 190-192 Rough weather station. PiFan. Sept 1964
- 193-195 Hydrostatic cover [underwater]. Apr 1967
- 196-197 [Diver with Hydrostatic cover underwater]. Apr 1967
- 198 Egg “unibeam” catamaran re-rigged with two units called dual “zapper” by USGS. Rio Balsas Trip. May 1975
- 199 Arcer bubble. Rio Balsas Trip. May 1975
- 200 Montcan box corer. R/V Horizon deck.
- 201 Coring [on ship deck], 1960
- 202 Box sampler, Dec 1962
- 203 R/V Oconostota [Equipment on ship deck]
- 204 [Box corer ship deck] Aug 1966
- 205 Box sampler
- 206 Freefall corers, Benthos
- 207 Box corer, Aug 1966
- 208 Orange-peel dredge, August 31, 1951

Slide Title

- 209 [Underwater camera and light on deck of ship]
- 210 R/V Spencer F. Baird. April 1954 [coring]
- 211 R/V Horizon, Lucas Fan Expedition. Mar 1964 [working equipment on deck]
- 212 [guiding a grab over the side of ship]
- 213 [Underwater] camera, Japanyon [Expedition] 1961
- 214 Shipek [underwater] camera
- 215 [Men on deck of ship, handling an underwater observation cage, possibly for sharks]
- 216 R/V Oconostota [Equipment on ship deck]
- 217 [Illustration of crewmen handling a trawl, possibly on HMS Challenger]
- 218 [Illustration of lab on HMS Challenger]
- 219 Tony with hand on electric winch, Switzerland. Jun 1973
- 220 Kerry Kelts, doing water samples Urnersee, Switzerland. Jun 1973
- 221 Messenger being put on wire to trip water bottle, Urnersee, Switzerland. Jun 1973
- 222 ETH [Zurich] gravity corer at Urnersee, Switzerland. Jun 1973
- 223 Box sampler. Oct 1964
- 224 Long box corer, regular box corer. Mar 1965
- 225 Long box corer showing photo electronic compass in position. Mar 1965
- 226 Dart sampler. Oct 1964
- 227 Edgerton deep sea camera. Oct 1964
- 228 Kerry Kelts, Rudy Kocker arming gravity corer, Urnersee, Switzerland, Jun 1973
- 229 Mel Peterson, Pifan, Sept 1964 on R/V Horizon
- 230 Free fall grab, lower section. Sept 1966

Slide Title

- 231 Box corer. Aug 1966
- 232 Control console, Glomar Challenger, 1969
- 233 NSF students R/V Oconostota [handling box corer on deck] Sept 1966
- 234 Glomar Challenger, 1969 [equipment on deck]
- 235 Glomar Challenger, 1969 [drill tower]
- 236 Moray eel and Pisaster sea stars, Dike Rock [underwater photograph] Sept 1963
- 237-238 Muraena lentiginosa [jeweled moray eel, underwater photograph] Feb 1974
- 239 Moray eel Gymnothorax sp [underwater photograph]
- 240-241 Garden eels, Cape [Cabo] San Lucas, Baja California [underwater photograph] Jan 1965
- 242 Moray eel [underwater photograph]
- 243 Veatch Canyon, 500 feet. Conger eel and shrimp [underwater photograph]
- 244 Lydonia Canyon, 1000 feet. Snake eel, Jonah crab [underwater photograph]
- 245 Gilbert Canyon, Atlantic squid [underwater photograph]
- 246 Interrelationships of life habits within the marine ecosystem [figure]
- 247 Deep scattering layer. Sunrise (top). Sunset (bottom) [sonographs]
- 248 Anatifera levis [barnacle illustration]
- 249 Dive 161-2. Coronado Canyon, 550 fathoms [gelatinous zooplankton] Jul 1972
- 250 [medusa, jellyfish] Jul 1972
- 251 [underwater organism] Jul 1972
- 252, 255 Evolution of barnacles to Geese [old illustration]
- 253-254 Gooseneck barnacles, Southern California
- 256-260 Octopus dofleini [underwater or aquarium photograph]

Slide Title

- 261 Gooseneck barnacles, Southern California
- 262 Cleaning station with cleaner fish. Lumahei B. Kauai, Hawaii
- 263 [three divers underwater on steep coral reef slope]
- 264-265 [coral reef underwater]
- 266 [galatheid crabs, underwater photo]
- 267 Razor clams, Alaska, Copper River Delta, 1964
- 268 Cancer crab [on beach]
- 269 Cancer crab, burying in sand
- 270 [Tridacna clam, underwater photograph]
- 271 Red tide, foam and rocks, Big Sur
- 272 Red tide in foam lines, Big Sur
- 273 [old illustration of a sea nymph or someone]
- 274-275 [native islander woman being helped aboard a ship]
- 276 Distribution of shipwrecks in Southern California, 1960 [figure]
- 277 Ships sank by U-boats, Allied and Neutral, 1939-1943 [figure]
- 278 Ships wrecked adjacent to Denmark 1885 to 1900, by natural causes [figure]
- 279 Japanese merchant ships sank, World War II [figure]
- 280 Ships sunk by U-boats Feb 1917 - Feb 1918 around England [figure]
- 281 Numbers of registered vessels sailing to the Indies 1504-1555 [figure]
- 282 [old illustration of three men in small boat with trawling net]
- 283 [old illustration of fishing vessel with net alongside]
- 284 Siesta [boat] off Rockport, 1 Sept 1951. Texas

Slide Title

- 285 The Siesta [boat]. Dickey. 31 Aug 1951
- 286 R/V Spencer F. Baird. [stern]
- 287 [Mast with radar, R/V Spencer F. Baird]
- 288 R/V Spencer F. Baird. [people on stern]
- 289 [A-frame and rear deck of R/V Spencer F. Baird]
- 290 Loading the stern of R/V Spencer F. Baird to get off a sand bar in La Paz harbor
- 291 V.S.S. [Vermilion Sea] fantail scene [R/V Spencer F. Baird]
- 292 Giff Ewing's sea plane V.S.S. [Vermilion Sea] in Gulf [of California]
- 293 [native sailing boat]
- 294 Elk River USN experimental deep fiving facility. NUC Point Loma. Nov 1976
- 295 Submarine tender and nuclear submarines, Point Loma. Nov 1976
- 296 Futuristic view of ocean floor and oil production
- 297 Oil Tanker unloading, bow completely out of water. Point Loma. Nov 1976
- 298 Mexican shrimp boat, San Javier / Xavier II. Apr 1959
- 299 SIO Marine Facility: Agassiz, ORB, [unidentified], Melville, E.B. Scripps, Dolphin. Nov 1976
- 300 SIO Marine Facility: [unidentified], Melville, monster transducer, E.B. Scripps, Dolphin. Nov 1976
- 301 [SIO Marine Facility: ORB, [unidentified], Melville, monster transducer, E.B. Scripps. Nov 1976
- 302 [ships and barge at wharf] Mar 1969
- 303 R/V Acania of US Naval Postgraduate School, Monterey, formerly yacht of Constance Bennett in late 12930s. Apr 1973
- 304 [old photography of ships along ice-strewn coastline]
- 305 Rusting hull plates in surf, Santa Rosalia [Baja California, Mexico] Feb 1971

Slide Title

- 306 R/V Velero IV, USC. Jun 1972
- 307 R/V E.W. Scripps. Jan 1947
- 308-309 Glomar Challenger [drilling rig equipment] 1969
- 310 Glomar Challenger drilling head. 1969
- 311 Glomar Challenger [drilling rig equipment] 1969
- 312 [old illustration of sailing ship]
- 313 [gilt illustration of sailing ship on book cover]
- 314 [jet airplane contrails in sky]
- 315 Utility boat at SIO Marine Facilities, Jul 1972
- 316 R/V Researcher. NOAA.
- 317-319 [Handling a box corer on a ship] Aug 1966
- 320 Packaging samples from long box corer, 1965
- 321 Long box corer with stand and regular box corer. Mar 1965
- 322 [small boat and crane onboard a ship] Aug 1966
- 323 Tripping arm [on ship stern] Oct 1964
- 324 Long box corer. Mar 1965
- 325 Dart sampler [on ship stern]. Oct 1964
- 326 Working on the fantail V.S.S. [Vermilion Sea]
- 327 Long box corer with stand and photo electronic compass. Mar 1965
- 328 [view from ship looking at ocean sunfish in water] Jul 1972
- 329 Free-fall grab. Sep 1966
- 330 Free-fall grab on the surface. Sep 1966

Slide Title

- 331 Montcan. R/V Horizon
- 332 Current meter operation. Rockport, Texas. Feb 1952
- 333 Winch on E.W. Scripps and sediment snapper
- 334 Bushman [cable reel] 1942
- 335 Multi Sack Sediment trap, 1st model. Nov 13, 1947
- 336 Current work [equipment]. May 1945
- 337 Large Box [underwater] Camera case, June 1947
- 338 Emery [clamshell] snapper [over side of ship]. 1942
- 339 The technology of working at sea [cartoon]