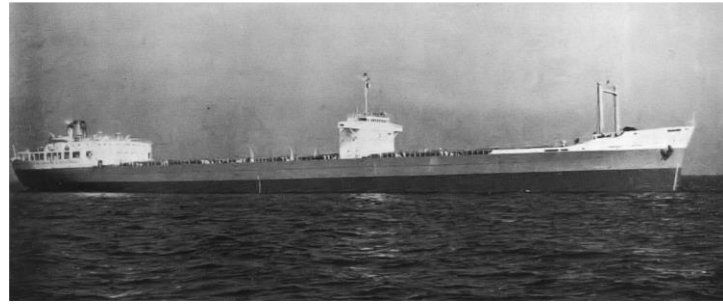


IDNo: **5143572** Year: 1956; Rufzeichen: ELYX
 Name: **HARVEY S.MUDD** Keel: 6.07.1955
 Type: Ore carrier ; Flag: LBR
 Launch Date: 12.12.55; Date of completion: 23.3.1956
 Tons: 11,412 ; DWT 31,662m; Yard No: 717
 Length overall: 199.65 m; LPP: 190.5 m; Beam: 26.52 m; Draft: 10.41m
 Country of build: JPN;
 Builder: Nippon Kokan; Location of yard: Tsurumi
 Engine : 2 GE high press steam turbines: 12,500 BHP; 105 RPM
 Shin-Mitsubishi



HARVEY S.MUDD

BU Vado Ligure 31.5.1977 [G.Riccardi]

Year	Name	Tons	Change	Registered Owner	Port
1956	HARVEY S.MUDD	11412		San Juan Carriers Ltd	LBR Monrovia
1956	DRYAD		1968	Overseas Bulk Tpt Corp	LBR Monrovia
1956	GOLFO DI TARANTO		1970	La Veloce SpA	ITA Cagliari
1956	GOLFO DI TARANTO		1974	Cia Sarda Trasporti SpA	ITA Cagliari



IDNo: **6611538** Year: 1966
 Name: **SAN JUAN TRADER** Keel: 18.10.1965
 Type: Ore/Bulk/Oil ; Flag: LBR
 Launch Date: 7.1.66; Date of completion: 05.04.1966
 Tons: 39,586; DWT: 63,410; G 77,246 cbm; Yard No: 824
 Length overall: 248.4 m; LPP: 236.2 m; Beam: 31.9 m; Draft : 12.56 m,
 Country of build: JPN ;
 Builder: Nippon Kokan; Location of yard: Tsurumi ;
 Engine : B&W 8-84VT2BF-180: 18,400 BHP, 114 RPM

SAN JUAN TRADER



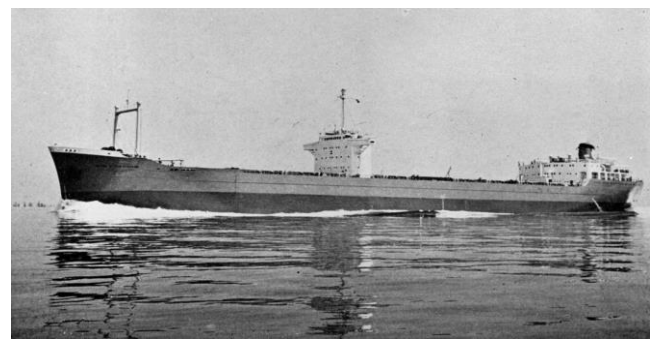
fire at Mile 128.2, R.Mississippi 20.12.84 & Bu Ulsan 13.8.1985

ID	Year	Name	Tons	Change	Registered Owner	Port
6611538	1966	SAN JUAN TRADER	39,586		San Juan Carriers Ltd.	LBR Monrovia
		MARCONA TRADER		1973	Marcona Carriers Ltd.	LBR Monrovia
		PANAMAX APOLLO		1981		
		CLARO		1985	Universal Glow	PAN



MARCONA TRADER

IDNo: **5011767** Year: 1956
 Name: **ALLEN D.CHRISTENSEN** Keel: 14.12.1955
 Type: Ore carrier Launch Date: 3.4.1956
 Flag: LBR Date of completion: 12.7.1956
 Tons: 11,266 ; DWT: 31,490 ; Yard No: 720
 Length overall: 199.65 m ; LPP: 190.5 m ; Beam: 26.52 m ; Draft : 10.41 m,
 Country of build: JPN
 Builder: Nippon Kokan ; Location of yard: Tsurumi
 Engine : 2 GE high press Steam turbines: 12,500 BHP ; 105 RPM,
 Shin-Mitsubishi



ALLEN D.CHRISTENSEN

BU Kaohsiung 3.5.1978 [Keun Hwa Iron Steel Works]

Year	Name	Tons	Change	Registered Owner	Port
1956	ALLEN D.CHRISTENSEN	11266		San Juan Carriers Ltd	LBR Monrovia
	OREAD	as of	1968	Interocean Bulk Tpt Corp	LBR Monrovia

IDNo: **5310096** Year: 1959
 Name: **SAN JUAN MERCHANT** Keel: 19.5.1958
 Type: Ore/oil carrier Launch Date: 12.9.1958
 Flag: LBR Date of completion: 4.2.1959
 Tons: 31,100 DWT: 52,232 ; Yard No: 737
 Length overall: 225.17 m ; LPP: 215.49 m ; Beam: 30.48 m ; Draft : 11.37 m;
 Country of build: JPN
 Builder: Nippon Kokan ; Location of yard: Tsurumi
 Engine : 2 Shin-Mitsubishi steam turbines :17,500 BHP; 105 RPM

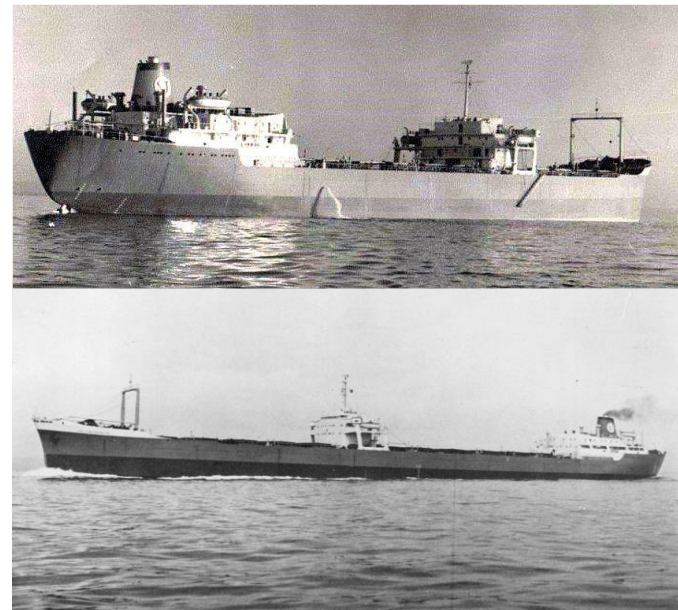


SAN JUAN MERCHANT

BU Pusan 10.4.1976 [Dongkuk Steel Mill Co]

ID	Year	Name	Tons	Change	Registered Owner	Port
5310096	1959	SAN JUAN MERCHANT	31100		San Juan Carriers Ltd	LBR Monrovia
		MARCONAFLOW MERCHANT		1970	San Juan Carriers Ltd	LBR Monrovia
		MARCONAFLOW MERCHANT		1972	Marcona Carriers Ltd	LBR Monrovia

IDNo: **5310125** Year: 1959
 Name: **SAN JUAN TRAVELER** Keel: 15.9.1958
 Type: Ore/oil carrier Launch Date: 6.2.1959
 Flag: LBR Date of completion: 26.5.1959
 Tons: 31,090 ; DWT: 52,149 ; Yard No: 738
 Length overall: 225.17m ; LPP: 215.49 m ; Beam: 30.48m ; Draft : 11.087 m;
 Country of build: JPN
 Builder: Nippon Kokan ; Location of yard: Tsurumi
 Engine : 2 Shin-Mitsubishi steam turbines :17,500 BHP; 105 RPM



SAN JUAN TRAVELER

BU Pusan 18.2.1976 [Dongkuk Steel Mill Co]

ID	Year	Name	Tons	Change	Registered Owner	Port
5310125	1959	SAN JUAN TRAVELER	31090		San Juan Carriers Ltd	LBR Monrovia
		SAN JUAN TRAVELER		1972	Marcona Carriers Ltd	LBR Monrovia
		MARCONA TRAVELER		1973	Marcona Carriers Ltd	LBR Monrovia

IDNo: **5310084** Year: 1960
 Name: **SAN JUAN EXPORTER** Keel:
 Type: Cargo ship Launch Date: 21.8.1960
 Flag: LBR Date of completion: 11.1960
 Tons: 11,489 ; DWT: 18,308 ; G 24,298 cbm ;
 Length overall: 162.40m; LPP: 151.90m; Beam: 21.1 m ; Draft : 9.59 m
 Country of build: JPN; Yard No: 765
 Builder: Nippon Kokan ; Location of yard: Tsurumi
 Engine : B&W 7-74VTBF-160: 8,750 BHP



SAN JUAN EXPORTER



WORLD TATSU



DESPINA

BU Gadani Beach 29.5.83 [Dada Steel Mills]

ID	Year	Name	Tons	Change	Registered Owner	Port
5310084	1960	SAN JUAN EXPORTER	11489		San Juan Carriers Ltd	LBR Monrovia
		WORLD TATSU		1964	Liberian Victor Tpts Inc	LBR Monrovia
		DESPINA		1973	Vai Cia Naviera SA	GRC Piraeus
		SALINA		1981	Transmarine Nav Corp PAN	Panama
		AL-FAJR AL-SAUDI I		1983	Al Sabah Maritime Services Co Ltd	SAU Jeddah

IDNo: **5310101** Year: 1962
 Name: **SAN JUAN PIONEER** Keel: 12.2.1962
 Type: Ore/oil carrier Launch Date: 25.6.1962
 Flag: LBR Date of completion: 10.10.1962
 Tons: 45,513 ; DWT: 71,370 ; Yard No: 776
 Length overall: 254.50m ; LPP: 244.45m ; Beam: 32.31 m ; Draft : 13.50 m
 Country of build: JPN
 Builder: Nippon Kokan ; Location of yard: Tsurumi
 Engine : IHI steam turbine, 22,500 BHP, 106 RPM



SAN JUAN PROSPECTOR sister of **SAN JUAN PIONEER**

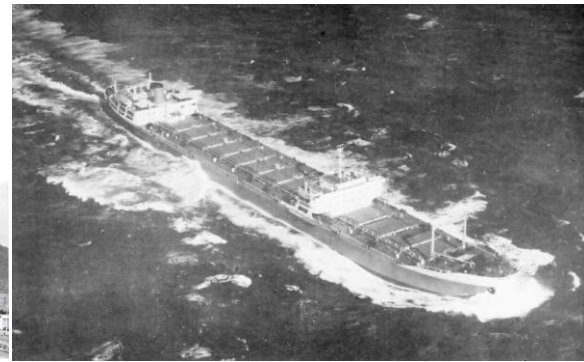
BU Kaohsiung 21.9.1978 [Nan Long Steel & Iron Co]

ID	Year	Name	Tons	Change	Registered Owner	Port
5310101	1962	SAN JUAN PIONEER	45513		San Juan Carriers Ltd	LBR Monrovia
		SAN JUAN PIONEER		1972	Marcona Carriers Ltd	LBR Monrovia
		MARCONA PIONEER		1974	Marcona Carriers Ltd	LBR Monrovia



IDNo: **5310113** Year: 1962
 Name: **SAN JUAN PROSPECTOR** Keel: 5.12.1961
 Type: Ore/oil carrier Launch Date: 24.5. 1962
 Flag: LBR Date of completion: 20.12.1962
 Tons: 45,513 ; DWT: 70,254 ; Yard No: 669
 Length overall: 254.51m ; LPP: 244.45m ; Beam: 32.31 m ; Draft : 13.65 m
 Country of build: JPN
 Builder: Mitsui ; Location of yard: Tamano
 Engine : IHI steam turbine, 22,500 BHP, 106 RPM

[1973 Lengthened 296.5/286.7m, 64558gt/110515dw] –



SAN JUAN PROSPECTOR



BU Masan 17.3.1978, completed 30.6.78

ID	Year	Name	Tons	Change	Registered Owner	Port
5310113	1962	SAN JUAN PROSPECTOR	45513		San Juan Carriers Ltd	LBR Monrovia
		SAN JUAN PROSPECTOR		1972	Marcona Carriers Ltd	LBR Monrovia
		MARCONA PROSPECTOR		1974	Marcona Carriers Ltd	LBR Monrovia
		PROSPECT		1977a	Marcona Carriers Ltd	LBR Monrovia
		MARCONA PROSPECTOR		1977b	Marcona Carriers Ltd	LBR Monrovia
		WEILEE		1977c	Eddie SS Co Ltd	TWN Kaohsiung

IDNo: **6801793** Year: 1967
 Name: **SAN JUAN EXPORTER** Keel: 16.6.1967
 Type: Ore carrier Launch Date: 11.9.1967
 Flag: LBR Date of completion: 27.11.1967
 Tons: 32,643 ; DWT: 106,229; G 79,861 cbm ; Yard No: 834
 Length overall: 263.7 m ; LPP: 252.0 m; Beam: 38.0m ; Draft: 17.43 m
 Country of build: JPN
 Builder: Nippon Kokan ; Location of yard: Tsurumi
 Engine : 10-84VT2BF-180: 23,000 BHP, 114 RPM

[1972 Lengthened & deepened, 303.7/292.4m, 44046 gt/143,979dw]



OHTSU MARU sister of **SAN JUAN EXPORTER**

BU Kaohsiung 31.3.1983

ID	Year	Name	Tons	Change	Registered Owner	Port
6801793	1967	SAN JUAN EXPORTER	32643		San Juan Carriers Ltd.	LBR Monrovia
		MARCONA EXPORTER	44046	1973	Marcona Carriers Ltd.	LBR Monrovia

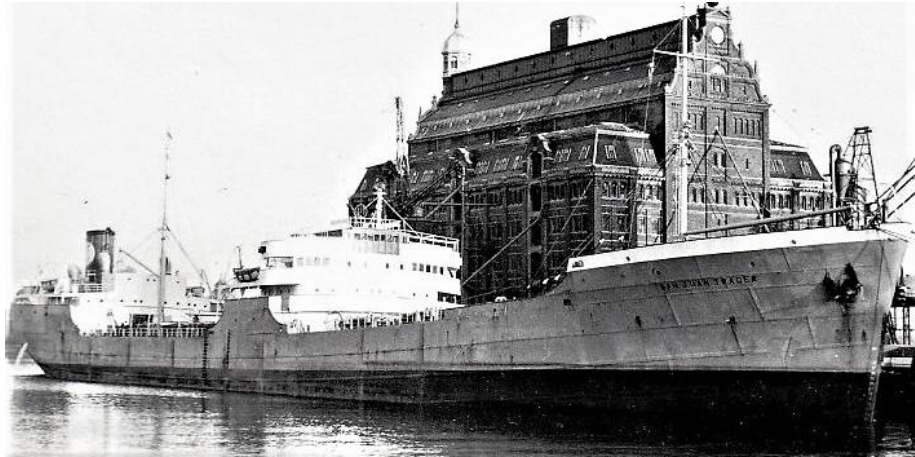
IDNo: **5614825** Year: 1937
 Name: **STRINDA** Keel:
 Type: Tanker Launch Date: 9.12.1936
 Flag: NOR Date of completion: 1.1937
 Tons: 10,973 ; DWT: ; Yard No: 183
 Length overall: ; LPP: 155.10m ; Beam: 21.10m ; Draft :
 Country of build: DEU
 Builder: Deutsche Werft ; Location of yard: Finkenwarder
 Engine :



STRINDA



[1956 converted to ore carrier, 6451gt] -



SAN JUAN TRADER

BU Split 28.10.1962

STRINDA shown as Tanker before conversion -

ID	Year	Name	Tons	Change	Registered Owner	Port
5614825	1937	STRINDA	10973		J.Ludwig Mowinckel	NOR
Conversion in Yokohama		SAN JUAN TRADER	6451	27.01.-05.1956	San Juan Carriers	LBR Monrovia

IDNo: **6310093** Year: 1963
 Name: **SAN JUAN PATHFINDER** Keel: 29.10.1962
 Type: Ore/oil carrier Launch Date: 19. 3.1963
 Flag: LBR Date of completion: 15. 8.1963
 Tons: 45,513 ; DWT: 72,344 ; Yard No: 675
 Length overall: 254.51m; LPP: 244.45 m ; Beam: 32.31m ; Draft :13.65 m;
 Country of build: JPN
 Builder: Mitsui ; Location of yard: Tamano
 Engine : IHI steam turbine, 22,500 BHP, 106 RPM



SAN JUAN PATHFINDER

1973 Lengthened & deepened 296.5/286.7m, 64637gt]



MARCONA PATHFINDER

BU Kaohsiung 16.2.1979 [Kang Hua Enterprise Co]

ID	Year	Name	Tons	Change	Registered Owner	Port
6310093	1963	SAN JUAN PATHFINDER	45513		San Juan Carriers Ltd	LBR Monrovia
		SAN JUAN PATHFINDER		1972	Marcona Carriers Ltd	LBR Monrovia
		MARCONA PATHFINDER	64637	1973	Marcona Carriers Ltd	LBR Monrovia
		HWA LEE		1976	Eddie SS Co Ltd	TWN Keelung

IDNo: 7032636 **Year:** 1971
Name: FURNESS BRIDGE **Keel:**
Type: Ore/Bulk/Oil **Launch Date:** 16.10.1970
Flag: GBR **Date of completion:** 8.1971
Tons: 91,079 ; DWT: 168,728 ; G 171,260 cbm ; Yard No: 25
Length overall: 294.19 m ; **LPP:** 281.95 m ; **Beam:** 44.28 m ; **Draft:** 18.44 m
Country of build: GBR
Builder: Swan Hunter ; **Location of yard:** Haverton Hill
Engine : B&W 8K98FF: 30,400 BHP



At Alexandra Wharf, Belfast, June / July 1971

FURNESS BRIDGE later **MARCONA PATHFINDER**

77 LAKE ARROWHEAD - **82 MARCONA PATHFINDER** - 83 WORLD PATHFINDER - 86 OCEAN SOVEREIGN

BU Huangpu 26.3.92

ID	Year	Name	Tons	Change	Registered Owner	Port
7032636	1971	FURNESS BRIDGE	91079		Seabridge Shipping Co.	GBR
		LAKE ARROWHEAD		1977	Utah Transport Co	LBR Monrovia
		MARCONA PATHFINDER	77315	1982	Marcona Carriers Ltd.	LBR Monrovia
		WORLD PATHFINDER		1983	Paramount Transport Co	LBR Monrovia
		OCEAN SOVEREIGN		1986	Nerice Maritime Co.	CYP Limassol

The FURNESS BRIDGE, 77,316 gross tons, 964ft x 144ft was launched on 16th Oct.1970 for the Seabridge Shipping Co, part of the Furness / Houlder group. She was an iron ore carrier, but fitted to carry oil if needed and was a sister ship to the infamous **DERBYSHIRE** which was lost with all hands in a typhoon in the Pacific. In 1977 the FURNESS BRIDGE was sold to the **Utah Transport Co**, Monrovia, Liberia, renamed LAKE ARROWHEAD and chartered to the Australian National Line. 1982 she became the **MARCONA PATHFINDER**, owned by **Marcona Carriers Ltd, Monrovia, part of the U.S.owned San Juan Carriers group**. 1983 sold to Paramount Transport Co, Monrovia, renamed WORLD PATHFINDER. 1986 sold to Nerice Maritime Co, Limassol, Cyprus, renamed OCEAN SOVEREIGN. 26th Mar.1992 Arrived at Huangpu, China for scrapping.

The fleet of “SAN JUAN CARRIERS LTD”

ID	Year	Name	Tons		Registered Owner	Port
5614825	1937	SAN JUAN TRADER	10973	1956	San Juan Carriers Ltd	
5011767	1956	ALLEN D.CHRISTENSEN	11266		San Juan Carriers Ltd	LBR Monrovia
5143572	1956	HARVEY S.MUDD	11412		San Juan Carriers Ltd	LBR Monrovia
5310096	1959	SAN JUAN MERCHANT	31100		San Juan Carriers Ltd	LBR Monrovia
5310125	1959	SAN JUAN TRAVELER	31090		San Juan Carriers Ltd	LBR Monrovia
5310096	1959	MARCONAFLOW MERCHANT	31100		San Juan Carriers Ltd	LBR Monrovia
5310084	1960	SAN JUAN EXPORTER	11489		San Juan Carriers Ltd	LBR Monrovia
5310101	1962	SAN JUAN PIONEER	45513		San Juan Carriers Ltd	LBR Monrovia
5310113	1962	SAN JUAN PROSPECTOR	45513		San Juan Carriers Ltd	LBR Monrovia
6611538	1966	SAN JUAN TRADER	39586	as of 1956	San Juan Carriers Ltd	LBR Monrovia
6801793	1967	SAN JUAN EXPORTER	32643		San Juan Carriers Ltd	LBR Monrovia

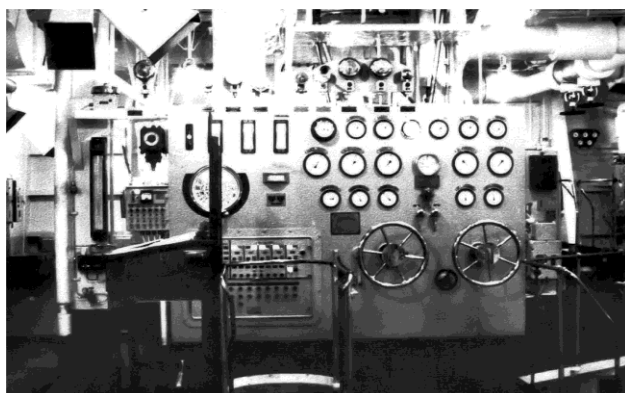
The fleet of “MARCONA CARRIERS LTD”

ID	Year	Name	Tons	Change	Registered Owner	Port
5310096	1959	MARCONAFLOW MERCHANT	31100	1972	Marcona Carriers Ltd	LBR Monrovia
5310125	1959	SAN JUAN TRAVELER	31090	1972	Marcona Carriers Ltd	LBR Monrovia
5310125	1959	MARCONA TRAVELER	31090	1973	Marcona Carriers Ltd	LBR Monrovia
5310101	1962	SAN JUAN PIONEER	45513	1972	Marcona Carriers Ltd	LBR Monrovia
5310113	1962	SAN JUAN PROSPECTOR	45513	1972	Marcona Carriers Ltd	LBR Monrovia
5310101	1962	MARCONA PIONEER	44920	1974	Marcona Carriers Ltd	LBR Monrovia
5310113	1962	MARCONA PROSPECTOR	64558	1974	Marcona Carriers Ltd	LBR Monrovia
5310113	1962	PROSPECT	64558	1977	Marcona Carriers Ltd	LBR Monrovia
5310113	1962	MARCONA PROSPECTOR	64558	1977	Marcona Carriers Ltd	LBR Monrovia
6801793	1967	SAN JUAN EXPORTER	32643	1973	Marcona Carriers Ltd	LBR Monrovia
6611538	1966	MARCONA TRADER	39246	1973	Marcona Carriers Ltd.	LBR Monrovia
6310093	1963	MARCONA PATHFINDER	64637	1973	Marcona Carriers Ltd	LBR Monrovia
7032636	1971	MARCONA PATHFINDER	77315	1982		

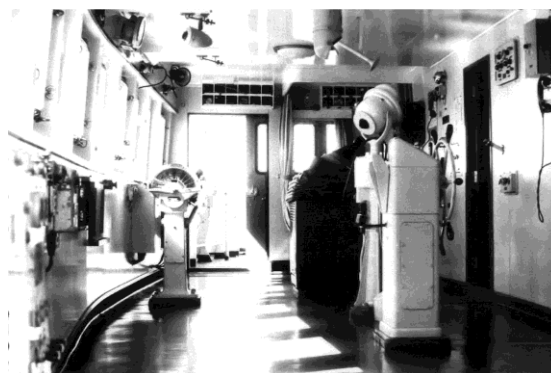


SAN JUAN funnel mark

San Juan Merchant IMO [6801793](#), built 1967



Steam turbine control stand



Wheelhouse

Utah Construction Company was incorporated in Ogden on January 8, 1900. The principal business of the company in its early years was railroad construction. From 1916 to 1969, Utah Construction Company built 58 dams. Most were in the Western United States providing hydroelectric power and irrigation for farming in that region. In 1931, Utah joined Six Companies Inc. to raise the surety required to bid for the Boulder (Hoover) Dam contract. One of the world's largest dams, Hoover Dam was completed in 1936 at a cost of \$ 49 million.

When the demand for railway construction tapered off, Utah Construction Company turned its interests to mining. In 1944, it acquired its first mine, Iron Ore Springs, in Utah. The growth of the company's mining business was rapid and in 1959 the company changed its name to Utah Construction and Mining Company.

In the 1950s, Utah Construction diversified into mining, becoming the **Utah Construction & Mining Co.** These ventures included the Marcona iron mine in [Peru](#), the Lucky Mc [uranium](#) mine in [Wyoming](#), and the Navajo coal mine and power plant in the [Four Corners](#) area of the United States southwest.

In 1969, Utah sold its construction business to Fluor Corporation and mining became its sole business.

A mining engineer, Harvey S. Mudd (1888-1955) was a graduate of Stanford and Columbia Universities. He served with distinction as president of the American Institute of Mining and Metallurgical Engineers.

In 1951 Allen D. Christensen became the company's general manager and executive vice president.

1952-74 Founder and President of the [Marcona Mining Company](#) (financed by [Utah Construction Company](#) and Cyprus Mines), which began by operating an iron ore mine out of San Juan, [Peru](#). (This region was named the [District of Marcona](#) by the Peruvian government in 1955.) The Marcona board members from Utah Construction consisted of [Mariner Eccles](#), [Ed Littlefield](#) and Alan Christensen. Through Robinson's arguably reckless vision, the Marcona company expanded into the shipping industry. In an effort to support the transport of iron ore to [Japan](#), Robinson continued to push for larger ships eventually designing and in 1961 constructing the first [Panamax](#), the largest vessel to navigate the [Panama Canal](#). This 105,000 ton ship received much press coverage at the time.

155/2/2: San Juan Carriers, Ltd.

2.1 S.S. Allen D. Christensen: 1956

2.2 San Juan Prospector: 1964

2.3 San Juan Traveler: 1971

2.4 San Juan Pioneer: [n.d.]

2.5 San Juan Trader: [n.d.]

The first and last vessel from above were fully managed by the American branch of Johs. Fritzen & Sohn Inc..

Other innovations included the development of a slurry system ([Marconaflo](#)) to transport iron ore from mine into and out of ships in a fluid state and development of the first joint oil/ore carriers.

Marcona Corporation became a major ship owner and operator as well as a mining company. Marcona had a fleet of 25+ large crude oil tankers, mineral carriers, bulk cargo ships and OBO combination ships.

San Juan Navigation Corp, a dry cargo operator based on the west coast of the United States suspended operations as of November 11th, 2011.

The company had mining interests in Peru, New Zealand, and in Brazil and was the pioneer in the 'slurry' handling of iron ore and other mineral products by the use of Marconjets in the inner bottoms of the ships cargo holds. Marcona carried iron ore from ports in Tasu, BC and South America to ports in Japan where the ore was then processed into steel.

EXPERIENCE:

1997 - present *THE MARITIME ADVOCATE*

Sessions, Gene & Sterling. *Utah International, A Biography of a Business.* [ISBN 0-9722102-0-2](#)