

Oceanic Steamship Company

Alameda Schedule

Leave San Francisco	Arrive Honolulu	Leave Honolulu	Arrive San Francisco
NOV. 23	DEC. 4	DEC. 9	DEC. 15
DEC. 19	DEC. 25	DEC. 30	JAN. 5
JAN. 9	JAN. 15	JAN. 20	JAN. 26
JAN. 30	FEB. 5	FEB. 10	FEB. 16
FEB. 20	FEB. 26	MAR. 3	MAR. 9
MAR. 13	MAR. 19	MAR. 24	MAR. 30

On and after June 24th, 1908, the SALOON RATES between Honolulu and San Francisco will be as follows:
ROUND TRIP, \$110.00. SINGLE FARE, \$65.00.

In connection with the sailing of the above steamers, the Agents are prepared to issue to intending passengers coupon through tickets by any railroad from San Francisco to all points in the United States and from New York by steamship line to all European Ports.

W. G. Irwin & Co., Ltd
 AGENTS FOR THE OCEANIC STEAMSHIP CO.

Canadian-Australian Royal Mail Steamship Co

Steamers of the above line running in connection with the CANADIAN PACIFIC RAILWAY COMPANY between Vancouver, B. C., and Sydney, N. S. W., and calling at Victoria, B. C., Honolulu and Brisbane, Q.

FOR FIJI AND AUSTRALIA. FOR VANCOUVER.
 AORANGI NOVEMBER 14 MOANA NOVEMBER 11
 MOANA DECEMBER 12 MAKURA DECEMBER 8
 * Will call at Fanning Island.
 CALLING AT SUVA, FIJI, ON BOTH UP AND DOWN VOYAGES.

Theo. H. Davies & Co., Ltd., Genl Agents

American - Hawaiian Steamship Company

From New York to Honolulu---Weekly Sailings via Tehuantepec

Freight received at all times at the Company's wharf, 41st Street, South Brooklyn.

FROM SAN FRAN. TO HONOLULU	FROM SEATTLE AND TACOMA TO HONOLULU
ARIZONIAN TO SAIL.....NOVEMBER 21	COLUMBIAN TO SAIL.....NOV. 29
COLUMBIAN TO SAIL.....DEC. 5	ALASKAN TO SAIL.....DEC. 13
FROM HONOLULU TO SAN FRANCISCO	H. HACKFELD & CO., LTD., Agents, Honolulu.
TEXAN TO SAIL.....NOVEMBER 20	
ARIZONIAN TO SAIL.....DECEMBER 4	

Freight received at Company's wharf Greenwch Street.
C. P. Morse,
 General Freight Agent.

Pacific Mail Steamship Co.

Occidental & Oriental S. S. Co.

Toyo Kisen Kaisha S. S. Co.

Steamers of the above companies will call at Honolulu and leave this port on or about the dates mentioned below:

FOR THE ORIENT.	FOR SAN FRANCISCO.
MANCHURIANOVEMBER 16	MONGOLIANOVEMBER 14
HONGKONG MARU.....NOVEMBER 24	TENYO MARU.....NOVEMBER 24
ASIADECEMBER 1	KOREADECEMBER 5
MONGOLIADECEMBER 7	AMERICA MARU.....DECEMBER 19
TENYO MARU.....U.....DECEMBER 18	SIBERIADECEMBER 26
KOREADECEMBER 28	

FOR FURTHER INFORMATION APPLY TO
H. HACKFELD & CO. LTD

UNION-PACIFIC TRANSFER CO., LTD
 BAGGAGE, SHIPPING, STORAGE, WOOD, PACKING, COAL.
 Phone 58
 126 KING ST. FURNITURE AND PIANO MOVING.

MATSON NAVIGATION COMPANY

Arrive Honolulu.	Leave Honolulu.
S. S. HILONIAN NOV. 24TH	DEC. 1ST
S. S. HILONIAN DEC. 22ND	DEC. 29TH

The S. S. Lurline of this line sails from San Francisco for Honolulu direct Dec. 4 arriving here Dec. 11, thereby affording the merchants of Honolulu ample time in which to receive and unpack goods for the Holiday trade.

S. S. Hyades of this line sails from Seattle for Honolulu direct Dec. 10th.
PASSENGER RATES TO SAN FRANCISCO: FIRST CABIN, \$60.00. ROUND TRIP, FIRST CABIN, \$110.00.

Castle & Cooke Limited, Agents

STAR Printing Office

For years the Star's printing office has been a busy place. We have gained a reputation for doing good work at fair prices and delivering the job when promised. Few printing offices can make a similar claim. With addition to our plant we are in a better condition than ever to handle commercial printing. Our three Linotypes are at your service for book and brief work. If you are not a Star customer, send us a trial order; you will be pleased with the result.

Star Printing Office
 No. 415 Broadway Building. Telephone 305

SHIPPING INTELLIGENCE

TIDES, SUN AND MOON.

Last quarter of the moon Nov. 15th.

Date	High Tide Large	High Tide Small	Low Tide Large	Low Tide Small	Sun Rises	Sun Sets	Moon Rises and Sets
9	4:50 2.0	4:15	9:50	11:20	6:10	5:19	0:44
10	5:05 2.0	4:45	10:16	11:35	6:10	5:19	7:41
11	5:48 1.9	5:18	10:45	1:30	6:10	5:19	8:32
12	6:30 1.9	6:15	11:15	2:40	6:11	5:18	9:25
13	7:12 1.7	7:45	8:45	3:44	6:12	5:18	10:16
14	8:00 1.6	8:20	4:35	4:44	6:12	5:18	11:10
15	8:50 1.5	11:05	5:15	5:39	6:13	5:18	12:00

Times of the tide are taken from the U. S. Coast and Geodetic Survey tables. The tides at Kahului and Hilo occur about one hour earlier than at Honolulu. Honolulu standard time is 10 hours 30 minutes slower than Greenwich time, being that of the meridian of 157 degrees 30 minutes. The time whistle blows at 1:30 p. m. which is the same as Greenwich, 0 hours, 0 minutes. The Sun and Moon are for local time for the whole group.

Shipping in Port

(Army and Navy).
 U. S. S. Ironquols, Moses, station tug. (Steamships).
 Br. S. S. Katuna, Norfolk, Nov. 18.
 T. K. K. S. S. Hongkong Maru, for Orient, 5 p. m.
 (Sailing Vessels).
 Am. sc. Florence Ward, Piltz, Midway? Oct. 28.
 Fr. sp. Rochembeau, Geau, Leith, Nov. 15.
 Br. bk. Edinburgh, McKenzie, Leith, Nov. 18.
 Am. bk. W. B. Flint, Hansen, Enrekra, Nov. 21.
 Am. bk. S. C. Allen, Gray's Harbor, November 22.

The Mails

INCOMING.
 From S. F., Hilonian, Nov. 25.
 From S. F., Asia, Dec. 1.
 OUTGOING.
 For Orient, Hongkong Maru, Nov. 24.
 For S. F., Tenyo Maru, Nov. 24.
 For Orient, Asia, Dec. 1.
 U. S. A. TRANSPORTS.
 Thomas left Hon. for Manila, Oct. 12.
 Logan at San Fran.
 Buford at S. F.
 Dix from Hon. for Manila, Oct. 30.
 Sherman at S. F.
 Warren at Manila.
 Crook from Hon. for S. F., Nov. 17.
 Sheridan from Hon. for Manila, Nov. 14.

DEPARTING.

Tuesday, November 24.
 T. K. K. S. S. Tenyo Maru, for San Francisco 9 a. m.
 S. S. Mauna Loa, Simerson, for Kona and Kau ports, noon.
 S. S. Mauna Kea, Freeman, for Hilo and way ports, noon.
 S. S. W. G. Hall, Thompson, for Kauai ports, 5 p. m.
 S. S. Mikahala, for Molokai and Maui ports, 5 p. m.
 T. K. K. S. S. Hongkong Maru, S. F., Nov. 24.

PASSENGERS.

Arrived.
 Per S. S. Hongkong Maru, from San Francisco, November 24, for Yokohama—Mrs. James H. Ballagh, Miss Minnie Gardner, Miss Mary B. Griffiths, Miss Carrie A. Heaton, T. Inagawa, M. Ishiwata, S. Kawashima, Mrs. King, Mrs. Marks, Lieut. Kosuke Motohara, Miss H. Santee, J. C. Shaw, Commander F. Tanaka, T. Yoshii.
 For Shanghai—Miss J. C. Ankeny, Mrs. H. W. Boone, Miss Frances Boone, Miss Flora E. Corneros, Miss Laura Frazey, S. Fessenden, Miss Edith L. Fonda, Miss Lulu Gollsch, Miss M. E. Jaquet, Gustaf S. Oberg, W. O'Hara, Miss A. W. Tracey.
 For Hong Kong—LeRoy H. Badger, Miss A. Buckley, Edward Carpenter, Will L. Doud, Mrs. Will L. Doud, Guy Drake, Harry H. Gantz, C. D. Gooch, Dr. W. S. Lewis, Mrs. W. S. Lewis, C. J. Williron, Roy Muddle, Fred H. Noble, D. T. Noren, Donald M. Stewart, G. G. Weathersbee.
 Departed.
 Per S. S. Mauna Kea, for Hilo, Nov. 24.—S. E. Lucas, T. J. Thomas and wife, J. C. Cohen, C. D. Lufkin and wife, C. P. Morse and wife, G. F. Bush, M. T. Lyons, Mrs. C. K. Notley and servant, R. T. Christopher and wife, W. A. Kinney, R. A. Kearns, Judge Edings, J. W. Rath, wife and son, Lizzie Perkins, P. D. Knudsen, A. Richley, E. E. Maffin, Mrs. H. W. Hatton, Master Hough, Master Johnson, M. Grinbaum, L. Grinbaum, J. A. Hutchinson and wife, J. J. Page, Father Otto, Father Paul, Father Patrick, Father Edward J. G. Anderson, Captain Baker, Lieut. Sumner.
 Per S. S. Mauna Loa, for Kona, Nov.

24.—Father Celestine, Father Gerard, Father Charles, Y. Van Hing, S. Ako, wife and son, Mrs. Jas. Houghtalling, T. C. Mills, George Robertson, A. L. Greenwell, F. B. McStocker.
 Booked.
 Per M. N. S. S. Hilonian, for San Francisco, Dec. 1.—W. Kalt Reuleaux, L. E. Arnold, Mrs. Lucy Bechert, Mr. and Mrs. H. M. Cooke and four children, C. Berlinger, S. Topfitt, M. L. Tower, Mrs. A. H. Robertson, governess and child; E. W. Adams, Mrs. M. J. Lindsay, Miss Monroe.
 Per S. S. Mikahala, for Molokai, Nov. 24.—Dr. Hallman and wife, Fther Emerson, Father Thomas.
 Per S. S. W. G. Hall, for Kauai, Nov. 24.—Mrs. M. Burke, Choy Chin and wife and family, Father Julien.
 Per S. S. Hongkong Maru, for Japan, Nov. 24.—J. Boyd, D. W. Boyd, K. Iwakami, James McGregor.

FOREIGN MAIL SERVICE

STEAMERS TO ARRIVE.

Date.	Name.	From.
Nov. 24	Hilonian	San Francisco
Dec. 1	Asia	San Francisco
4	Alameda	San Francisco
5	Korea	Yokohama
7	Mongolia	San Francisco
8	Makura	Colonies
12	Moana	Victoria
18	Tenyo Maru	San Francisco
19	America Maru	Yokohama
23	Hilonian	San Francisco
25	Alameda	San Francisco
26	Siberia	Yokohama
28	Korea	San Francisco

STEAMERS TO DEPART.

Date.	Name.	For.
Nov. 24	Hongkong Maru	Yokohama
Dec. 1	Asia	Yokohama
1	Hilonian	San Francisco
5	Korea	San Francisco
7	Mongolia	Yokohama
8	Makura	Victoria
9	Alameda	San Francisco
12	Moana	Colonies
18	Tenyo Maru	Yokohama
19	America Maru	San Francisco
25	Alameda	San Francisco
26	Siberia	Yokohama
28	Korea	San Francisco
30	Alameda	San Francisco

THE LOG-BOOK

Navy orders: The following was cabled from the commander in chief, Pacific fleet; Captain C. E. Fox detached from the South Dakota to the naval hospital, Mare Island, for treatment.
 Lieutenant Commander J. M. McLuby is detached from the Maryland to duty at the bureau of steam engineering, Washington, D. C.
 Surgeon C. H. T. Lowndes is detached from the South Dakota to home.
 Surgeon E. M. Shipp is detached from Pennsylvania to home.
 Lieutenant Commander P. Symington is detached from the West Virginia to home.
 Warrant Machinist C. G. Wheeler is detached from the Maryland to the naval hospital, Mare Island, for treatment.

QUAKES AT SEA.

ASTORIA, Ore., Nov. 12.—The German bark Herzogin Sophie Charlotte, in ballast, from Bremen, arrived this morning after a passage of 106 days, which breaks all records from the English channel to the Columbia river.

While about 140 miles off the southern Oregon coast, eight days ago, the ship experienced a series of sharp earthquakes that gave those on board the impression that it had run on the rocks.

The Charlotte is one of the training ships of the North German Lloyd steamships and has about 60 apprentices on board as well as a regular crew. The vessel is here for orders, but none were awaiting it on account of its exceptionally quick passage.

WEEKLY WEATHER BULLETIN

FOR THE WEEK ENDED NOVEMBER 14, 1908.
 Honolulu, November 16, 1908.
 GENERAL SUMMARY.

Much cooler weather obtained thruout the section, the mean temperatures being from 1.0 deg. to 3.8 deg. lower than during the preceding week. On Maui and Molokai, and in the Honolulu, southern portion of the Koolau and lower levels of the Ewa districts of Oahu, the Koolau district of Kauai, and in portions of the Hamakua and Puna districts of Hawaii the changes ranged from -2.0 deg. to 3.8 deg.
 The total rainfall was below the average for the week at all stations in the section having a record of ten or more years, excepting in the central portion of the Hamakua district of Hawaii, where excesses of \$.57 to 0.71 inch occurred. The deficiencies, in inches, in the several

BRIDGING CHASMS IN WILD PLACES

WONDERFUL STEEL CONSTRUCTION BY FRENCH ENGINEERS IN CHINA'S MOUNTAINS.

Some remarkable feats of bridge building have been performed in the last few months by French engineers who are in charge of the construction of the railroad which is to connect the city of Yunnan, capital of the Chinese province of that name, with Lao-Kai, on the border of the French province of Tonkin. Nine steel viaducts having an aggregate length of about 1650 feet have been constructed, some of them under circumstances of extraordinary difficulty.

The one which called for the greatest exercise of ingenuity has been thrown across the Pei-Ho; not the great Chinese river of that name but a minor stream tributary to the Song Koi or Red River. At this point the railway line emerges by tunnels driven through towering peaks of solid rock on both sides of a valley the walls of which are almost precipitous for several hundred feet.

From one tunnel mouth to the other is a distance of 250 feet. Owing to the steepness of the rock on both sides and the torrential character of the stream all ordinary methods of bridging was inapplicable.

The problem was solved by planning two girders of triangular shape—arabesques, or crossbeams, the French engineers call them—to be tamped in the rock far below the roadway and meeting in the middle in the form of a huge letter A, the horizontal girders being then run from the tunnels to their apex.

First of all men were lowered to construct the anchorages by quarrying out the rocks. Then the steel beams and braces were brought up from Hanoi the capital of Tonquin, by rail to the further completed point of the road.

Then they were transported on skids a distance of eighteen miles by coolies. Then the long beams were lowered vertically to the anchorages, and the arabesques were constructed in that position, largely by riveters slung in boatswains' chairs or mounted on dizzy scaffolding until the two great girders were complete.

During construction the girders were held vertical by a gearing of wire cables vered over windlasses anchored to the rock inside the tunnel. When both girders were completed they were slowly lowered simultaneously from each side until they met.

It was an anxious time for the engineers until it was found that all the calculations had been correct and the arabesques met true—plumb over the center of the chasm. Then they were riveted together and braced and the longitudinal girders were run out and fastened to them with fishplates.

The building of the arabesques was begun on May 22 of this year, says the New York Sun. They were finished by the end of June, but they were not lowered into place until July 22 because the gigantic windlasses and tackle were not ready. The roadway of the bridge is 260 feet above the stream.

The railroad when completed will be 390 miles long. It will connect at Lao-Kai with the French Tonkinese Railroad, which runs to Hanoi and Haiphong, the principal port of Tonquin.

This will make a continuous line of about 675 miles from the capital of Yunnan to the sea. At the beginning of this year only nineteen miles of the Yunnan road were complete, running from the frontier to Hokok, but 273 were under construction. By January 1, 1909, trains will be running to Mengtoe, about half the length of the road. It will take more than another year to reach Yunnan, as the region is extremely wild and mountainous, the terrain itself being more than 6400 feet above sea level.

The region traversed has great mineral wealth.

SOMETHING FOR THE CHILDREN.

The purity of Chamberlain's Cough Remedy has long been an established fact. Give it to the little ones. It contains no opium or other harmful drug and will cure their coughs, colds and croup. For sale by all dealers, Benson Smith & Co., agents for Hawaii.

HAWAIIAN Macaroni Manufacturing Co., LIMITED

Beretania Street near Aala Street.

MANUFACTURERS OF
MACARONI (HOSHI UDON)
 and
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SALES AGENT.

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To ATTRACT THE JAPANESE TRADE advertise in THE DAILY NIPPUN JIJI, the most popular and widely circulated evening paper among the Japanese colony.
 JOB PRINTING A SPECIALTY with either language of Japanese, Chinese, Korean or English.

The Nippu Jiji Co., Ltd.,
 Y. SOGA, Manager. Hotel Street near Nuuanu.
 Phone Main 44.

districts were: Hawaii—Kohala 0.35 to 0.46, northern Hamakua 0.82, Hilo 0.39 to 2.35, Puna 1.63, Kau 1.07 to 1.29, and Kona 0.62; Maui—Hamakualoa 1.21, and Lahaina 0.50; Oahu—Koolau 1.03 to 1.54, Honolulu 1.08, and Waianae and Ewa 0.70 to 0.73, and Kauai—Kona and Koolau 1.50 to 1.68, and Waimea 0.64.

The following were the amounts, in inches, in the different districts: Hawaii—Kohala 0.72 to 0.88, Hamakua 0.72 to 2.20, Hilo 0.82 to 2.87, Puna 0.39 to 1.32, Kau 0.30 to 1.32, and Kona 0.46 to 0.81; Maui—Koolau 0.91 to 1.91, Hamakualoa 0.41, Hana 1.53, Wailuku 0.31, and Kula and Lahaina 0.00; Oahu—Koolau 0.29 to 0.43, Honolulu trace to 0.09, Ewa 0.00 to 0.06, and Waianae 0.00; Kauai—Koolau and Kona 0.04, Puna 0.00 to 0.02, and Waimea 0.00; and Molokai 0.13. There was generally more rain than during the preceding week on Hawaii and Molokai, and less on the remaining islands.

A slight earthquake shock was felt at 3:16 p. m. of the 7th, at Kukuhaele, Hawaii.

The following table shows the weekly averages of temperature and rainfall for the principal islands and for the Group:

	Temperature.	Rainfall.
Hawaii	70.6 deg.	1.32 inches.
Maui	70.2 deg.	0.72 inch.
Oahu	72.3 deg.	0.13 inch.
Kauai	70.5 deg.	0.05 inch.
Molokai	73.5 deg.	0.13 inch.

Entire Group..... 70.9 deg. 0.78 inch.
 At the local office of the U. S. Weather Bureau in Honolulu clear weather generally obtained, with a trace of rainfall, a deficiency of 1.08 inches as compared with the weekly average, and .06 inch less than during the preceding week. The maximum temperature was 79 deg., minimum 64 deg., and mean 72.1 deg., 3.0 deg. below the normal and 2.5 deg. lower than last week's. The mean daily relative humidity ranged from 60 per cent to 68 per cent, with a weekly mean of 66.3 per cent. Southwesterly winds prevailed on the 10th, and northeasterly on the remaining dates and for the week, with an average hourly velocity of 6.0 miles. The mean daily barometer ranged from 29.92 to 30.03 inches, and the mean for the week 29.97, was 0.01 inch above normal.

U. S. DEPARTMENT OF AGRICULTURE. WEATHER BUREAU.

The following data, covering a period of 33 years, have been compiled from the Weather Bureau and McKibbin records at Honolulu, T. H. They are issued to show the conditions that have prevailed, during the month in question, for the above period of years, but must not be construed as a forecast of the weather conditions for the coming month.

TEMPERATURE. (1890-1907). 18 years.

Mean or normal temperature, 77 deg.
 The warmest month was that of 1906, with an average of 78 deg.
 The coldest month was that of 1903, with an average of 75 deg.
 The highest temperature was 90 deg., on the 10th, 1891; the 30th, 1892.

The lowest temperature was 63 deg. on the 30th, 1892.

PRECIPITATION (rain, 22 years) (1877-94, 1904-7).

Average for the month, 1.67 inches
 Average number of days with .01 of an inch or more, 14.
 The greatest monthly precipitation was 4.32 inches in 1884.
 The least monthly precipitation was 0.44 inches in 1885.
 The greatest amount of precipitation recorded in any 24 consecutive hours was 2.36 inches on the 29th, 1882.

RELATIVE HUMIDITY.

Average, 8 a. m., 68 pct.; 8 p. m., 72 pct., (1904-7); average, 9 a. m., 68 pct.; 9 p. m., 75 pct., (1893-1903).

CLOUDS AND WEATHER. (1890-1907). 18 years.

Average number of clear days, 10; partly cloudy days, 17; cloudy days, 4.

WIND. Direction 24 years. Velocity 4 years.

The prevailing winds are from the NE. (1875-94, 1904-7).
 The average hourly velocity of the wind is 8.2 miles (1904-7).
 The highest velocity of the wind was 28 miles from the NE on the 26th, 1904; the 17th, 1907. (1904-7).
 Station: Honolulu, T. H.
 * 9 o'clock averages from records of Territorial Meteorologist; 8 o'clock averages from Weather Bureau records.

WM. B. STOCKMAN,
 Section Director, Weather Bureau.