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10-23
(May 1929)
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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
----- NATIONAL PARK

FILE NO.

MONTHLY REPORTS

~~1937~~ 1938

IMPORTANT

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ARNO B. CAMMERER,
Director.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

OFFICE OF THE SUPERINTENDENT

HAWAII

January 7, 1938

MEMORANDUM FOR THE DIRECTOR:

There follows the report of activities for Hawaii National Park during the month of December.

000 - General

020 - General Weather Conditions

Total rainfall for the headquarters section was 7.02 inches and at Haleakala 1.9 inches. Maximum and minimum temperatures at Kilauea Sere 74 and 51 degrees respectively, while maximum wind velocity at Kilauea was 16 mph on the 11th and 29th and at Haleakala 29 mph on the 13th. The first snowfall of the season occurred on Mauna Kea - outside the park boundaries - on the 11th. Snow was also visible on three occasions on Mauna Loa.

100 - Administrative

110 - Status of Work

All work was current. Final construction reports for the Haleakala road post construction and storm damage repairs, residential and headquarters areas roads, resurfacing of the Kau entrance road, and one employee's residence were mailed on the 7th.

120 - Park Inspections by:

121 - Superintendent: Superintendent Wingate, who had been in Honolulu on official business, returned on the 7th, and spent the remaining time until the 21st in routine park and CCC inspections. On the 19th radio advice was received that a superintendents' conference was to be held in Washington January 5. Since passenger steamers to the coast sail only on an average of once a week, it was necessary for Mr. Wingate to leave the park on the 21st in order to make connections in Honolulu which would allow him to arrive on the mainland in time to attend the conference. Assistant to the Superintendent B.F. Moomaw, Jr., is acting in his absence.

122 - Special Field Representatives of the National Park Service:
B.L. Douglas, auditor from Washington, who is in the islands going over CCC and NPS accounts, arrived on the 8th and was in the park for the balance of the month.

124 - Other Interior Department Officers: Marvin Klemme of the Division of Grazing of the Interior Department, who is on his way around the world, arrived on the 23rd. He was shown the park area by the chief ranger, and left on the 24th.

125 - Other Governmental Officers: Mr. Herbert N. Wheeler, lecturer with the Forest Service, arrived on the 22nd, for a stay of two days. While here he delivered a lecture with slides at the CCC camp.

130 - Finance and Accounts

A detailed report is attached.

150 - Equipment and Supplies

Only equipment received in December consisted of 150 feet of hose and a force pump for fire fighting purposes.

160 - Status of Alienated Lands

A letter dated December 8 from the Territorial Commissioner of Public Lands stated that by final order of condemnation dated November 3, the territory became the owner of 1.94 acres of land belonging to the Campbell estate in the vicinity of the Thurston Lava Tube. This land was acquired for addition to the park and authorization was given the park to take possession of and use this area as part of the Hawaii National Park.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

Minor repairs were completed on two sets of quarters and the short spur road to the sulphur banks was repaired by park laborers.

230 - New Construction

Construction on the second set of quarters being built by the CCC was 98% complete at the end of the month, the third set 60% complete, and excavation started for the fourth house.

400 - Flora, Fauna and Natural Phenomena410 - Ranger, Naturalist and Guide Service

Due to the lack of a naturalist Assistant to the Superintendent B.F. Moomaw continued to handle this work, with the assistance of the ranger force.

460 - Birds

Paul H. Baldwin, who was employed as student technician under CCC this past summer, returned on the 28th for the purpose of continuing his studies and investigations of birdlife at this season of the year. He is doing this at his own expense.

On the 18th the Mamuhi Club of Hilo, which cooperates with the National Audubon Society, conducted a bird census in the park.

A flock of 20 Pekin nightingales was observed at the Mauna Loa summit resthouse by one of the rangers. Several of these were dead and five were brought back and given the student technician Paul Baldwin for stomach analyses.

480 - Natural Phenomena

A complete report of the activities of the Volcano Observatory is attached.

Dr. J.H. Payne of the University of Hawaii entered on duty December 1 as Research Associate in Geochemistry, without compensation.

An anemometer was installed at Pun Ulaula (10,000 foot elevation on Mauna Loa) by Assistant Geologist Waesche and Ranger Jess. These men also installed a phantom circuit connecting the clock on the seismograph at Halemaunau with that at the Observatory.

500 - Use of Park Facilities by the Public510 - Increase or Decrease in Travel

Total travel to the Kilauea section amounted to 11,442 as compared with 14,741 for December 1937, and at Haleakala there were 2450 visitors as compared with 1460 for the same period in 1937.

530 - Visitors and Special Parties

December 9 - Members of the Territorial Prison Board

" 26 - Lt. Comdr. and Mrs. Aaron P. Storrs of the Fleet Air Base, Pearl Harbor, overnight. Comdr. Storrs commanded the last flight of Navy planes from San Diego to Hawaii.

Mr. and Mrs. William Walsh, their daughter and two grandchildren were also visitors for two days. Mr. Walsh is the brother of E.J. Walsh, who has the concession at Haleakala, and is manager of the Kahului (Maui) railroad. This was his first visit in 30 years.

There was also a group of students from Punahou School in Honolulu and 39 members of the Makaweli Plantation (Kauai) football team.

600 - Protection

620 - Fire Protection

The annual forest fire report was prepared and mailed.

640 - Destruction of Predatory Animals

Seven wild pigs and 5 wild goats were destroyed at Kilauea and 6 goats at Haleakala.

900 - Miscellaneous

CCC - A separate report on the activities of the CCC is attached.

On December 22 the annual Christmas party for the children of the community (numbering 79 and ranging in age from 2 months to 15 years) was given at the Volcano House. In order to raise funds for the purchase of gifts, etc. a "white elephant" sale was held, which was very successful, thanks to two members of the Honolulu Elks Club, who acted as auctioneers. C.H. Underwood, CCC Chief Clerk and quartermaster, made an excellent Santa Claus.

B.F. Moomaw, Jr.,
Acting Superintendent

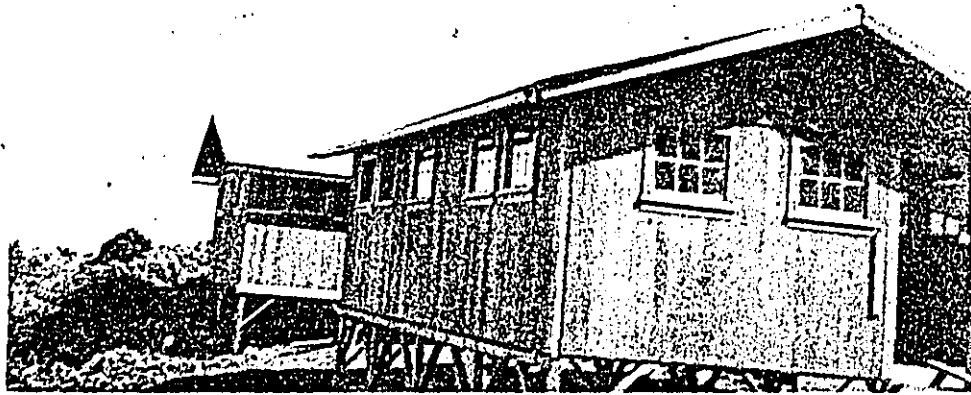
OW



Cottage #3 CCC job about 50% Complete,
Photo Dec. 15th



One of the "Humps" on Chain of Craters Road
that is growing, Mauna Loa showing faintly
in back ground



Partially Completed Mess Hall and one of the Barracks,
CCC Stub Camp Haleakala, Maui, Photo early December



Personnel CCC Stub Camp Haleakala,
Foreman Janiak on extreme left and
District Ranger on extreme right.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

OFFICE OF THE SUPERINTENDENT

HAWAII

January 4, 1939

Edward G. Wingate, Superintendent
Hawaii National Park

Subject: Report of the
Hawaiian Volcano Obser-
vatory

Dear Mr. Wingate:

The month of December produced considerable progress on the maps for the crater monograph, consultations with the engineers surveying lava barricade for Hilo, improvements in the time recording circuits for the seismographs, and a new very small model seismoscope for volunteer observers.

Volcanic Activity of the Month

The first week showed slides along Chain-of-Craters and the Puna Cliffs, and one day of slides in Halemaumau. Some motion in the Chain-of-Craters was reported the third week. The fourth week was quiet.

The Mauna Loa northeast rift, inspected December 9 and 10, showed the upper cone of 1935 steaming and depositing sulphur mildly. Smell of sulphur dioxide and hydrogen sulphide was reported, and some of the bright yellow sulphur had the orange tinge of either iron or selenium.

The following are the local data for the month.

<u>Week</u> <u>Ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack</u> <u>Openings</u>	<u>Local tremors</u> <u>and quakes</u>
December 4	15.25	7	4.5 mm	38
" 11	2.50	0	1.0 "	8
" 18	8.00	3	3.5 "	17
" 25	6.25	0	2.0 "	14

There were four felt quakes the first week and none thereafter.

Work of the Volcanologist

On the crater monograph progress was made in drafting maps and in portions of the text. Several of the maps were reduced photographically in preparation for publication, by a firm in Honolulu.

By correspondence and in two conferences, discussion of the plan for a lava barricade in Hilo was carried on with the United States Engineers having the survey in charge. The volcanologist recommended that the barrier be built as nearly as possible at right angles to the contours, so as to take advantage of existing gulches, and to avoid creating anything resembling a dam or wall across a gulch. The new seismoscope is a 6-drop annunciator operating directly with six weights, hung as very small pendulums, of progressively less sensitivity, a number coming into view for each earthquake intensity. The annunciator box is fastened to a wall, or set on a desk.

The Volcano Letter has not been printed for August and the succeeding months, because of lack of money. Correspondence and conferences with officers of the Hawaiian Volcano Research Association have indicated great pessimism concerning the budget for 1939. The indications are that no staff of the Research Association will be maintained at the Volcano Observatory after July 1, 1939. The group of workers will have to be employed by the park, or the university; or replaced by government workers. It should be pointed out that for some eight years before 1932 H. Yasunaka was employed on the government payroll as a laborer, on the ground that his peculiar fitness and training with observatory instruments justified the employment of non-citizen labor in his case.

The book being published by the Research Association and the University "Agh Formations of Hawaii" under the authority of C.K. Wentworth, has passed the galley-proof stage. Some experiments were made on December 30 with Kodachrome cut film, which has just been placed on the market.

Work of the Assistant Geologist

Mr. H.H. Waesche finished plotting 1938 earthquakes to the end of November on the special maps of Kilauea and Hawaii. He made alterations in the Eller instrument for measurement of tilt, with recording device that punctures paper moved by clockwork.

In his trip up Mauna Loa December 9-10 he installed a wind-measuring instrument at the Puu Ulaula resthouse, and collected sulphur from the 1935 cones.

On December 12 the seismology office was rearranged, and a new electric light table, built by Okuda was set up to give a greatly improved inspection desk with increased and more evenly distributed light, for the study of seismograms of different sizes.

On December 14 Mr. Waesche made an inspection trip of the Chain-of-Craters area with the chief ranger. Temperatures were measured at the recently discovered hot spot. He recommended moving the guard rail farther out at the Devils Throat. What was thought to be a new road crack was observed southeast of Aloi Crater.

Other tasks were assembling data on distribution of instruments here and their seismological constants, for the International Union of Geodesy and Geophysics; checking up the Hilo and Uwekahuna seismographs and making a very important change in time service for our instruments.

This last consisted in installing and putting into operation a phantom circuit over the telephone line for direct electrical control from the observatory of the time marks on the Halemaunau seismograph. The necessary changes were made in the radio receiver for time reception. At the end of the year the arrangement was in successful operation with the master clock at the observatory controlling both sets of instruments - observatory and Halemaunau. This arrangement will eventually be extended to the Uwekahuna and Mauna Loa seismographs, so that the entire Kilauea system of seismometry will have common time.

Other work concerns the adjustments of Mauna Loa seismograph and rebuilding the time relay on the master clock, which was shorted by soot from seismogram smoking equipment. There were 29 visitors requiring about one-half hour each, and the usual routine was carried, including writing weekly press report, measuring tilt and Halemaunau cracks, and transit work with triangulation angles. Also the collection of gases at Sulphur Bank was made by Waesche and Yasunaka, for the monthly routine established by Dr. Ballard.

Work of the Assistants

Mr. S. Sata started new work in inking maps of Halemaunau from transit surveys for many years past, now being drafted by Dr. Jaggar.

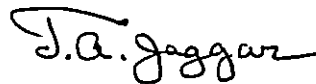
H. Yasunaka continues his increasing routine of tending seismographs and automobiles, assisting with Mauna Loa seismograph, collecting gases, taking meteorological readings, making out Weather Bureau reports and caring for the shops, buildings and grounds

A. Okuda has become proficient in work with brass and steel, in addition to his skill as cabinet maker. He built the new lighting desk for seismographs. With Dr. Jaggar as experimenter he continued work on changes in a simple seismoscope, which has resulted in the simplest instrument that we have ever constructed, after a great many years of experimentation in this effort to simplify earthquake grading for amateurs. The instrument will be sent to the physical laboratory of the University for determination of its constants.

Lectures

Addresses were made as follows: December 4, T.A. Jaggar, "What is Ahead for Youth in the New Day," Camp Westervelt, Kilauea Settlement, YMCA. December 7, T.A. Jaggar, Seaside Club, YMCA, "Father and Son Movement."

Very respectfully



T.A. Jaggar, Volcanologist

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STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS
DECEMBER, 1938

<u>Symbol</u>	<u>Appropriation</u>	<u>Allotted</u>	<u>Expended & Obligated</u>	<u>Balance</u>
1491000	National Park Service, 1939	\$ 55,100.00	\$ 52,301.41	\$ 2,798.59
148/91000	National Park Service, 1938-39(FPPF)	300.00	202.81	97.19
1481000	National Park Service, 1938	49,432.00	49,353.84	78.16
1471000	National Park Service, 1937	44,500.00	44,010.20	489.80
14-1010	Roads & Trails, N. P. S.	32,400.00	31,405.32	994.68
14-1130	Roads & Trails, National Parks, Emergency Construction	40,870.65	40,728.90	141.75
14-143/90634	N.I.R., Interior, National Park Service, 1933-'39	12,278.56	12,273.56	5.00

REPORT OF CAMP DIRECTOR FRANK G. HUSTON CCC HNP TO PARK SUPERINTENDENT
EDWARD G. WINGATE HAWAII NATIONAL PARK FOR THE MONTH OF DECEMBER, 1938.

During the month we enrolled 33 new boys and discharged 23.

1 Refusal to work, 3 for desertion, 1 to return to his home where he was needed, 1 for fraudulent enlistment and 17 who found outside employment.

The lost time for sickness this month amounted to 225 mandays out of that, 143 mandays was for operations, 50 mandays for inoculation, and colds and other sicknesses. The camp now is in a very healthy condition.

There was only one safety meeting this month due to absences during the holidays. The safety engineer report states that the camp is following all safety regulations required by the CCC regulations.

The Project Superintendent, report shows a daily average of 117 enrollees released to him during the month of 21 working days, making a total of 2447 working days. The reason for the drop in working days this month is due to the holiday leave and due to the fact we gave the enrollees who were re-enrolled their six day leave during this period.

43 Mandays were used on 149 P Telephone Construction, replacing poles on the Mauna Loa line.

93 Mandays used on 223 P Landscape maintenance, cutting grass on the road sides.

393 Mandays used on 227 RT, Road and Trail Maintenance, repairing the Mauna Loa Truck Trail.

136 Mandays used on 250 P Removal of Exotics, removing Jerusalem berries in the Giant Koa area and black berries, guava, fuchsia, and tritonia from along side the rim road.

1174 Mandays used on 308 Camp Construction and Construction of Personnel cottages. Cottage No. 3 will be finished by the middle of January. No. 5 cottage is 60% complete and the excavation work on cottages one two are both completed.

Work continued on nine other regular projects.

Rainy weather slowed up the work on the projects for the last half of the month.

The recreational activities continued during the month with basketball leading.

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HAWAII NATIONAL PARK CCC STUB CAMP HALEAKALA SECTION

Your camp director visited this camp during the month taking over 10 enrollees bringing this camp to full strength, also took over carpenter foreman Janiak to build the house for the district ranger and brought back foreman Kamee.

The excavation work is 50% completed on this house, camp buildings finished and the camp moved into the kitchen and mess hall.

The latrine is now completed.

Respectfully submitted,

Frank C. Huston

Frank C. Huston,
Camp Director,
CCC HNP

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Kilauea Section Hawaii National Park for the month of December, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						
Persons entering via motor vehicles,	10,778	32,211	13,953	36,666	-4,455	.121
Persons entering via other private transportation,	220	899	325	835	64	.078
Total persons entering via private transportation,	10,998	33,110	14,278	37,501	-4,391	.117

OTHER TRANSPORTATION:

Persons entering via stages ^{Hotel} ,	444	1,592	463	1,980	-388	.196
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	444	1,592	463	1,980	-388	.196
GRAND TOTAL ALL VISITORS,	11,442	34,702	14,741	39,481	-4,779	.121

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

~~Haleakala Section, Hawaii~~ National Park for the month of December, 1933

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	<u>480</u>	<u>1861</u>	<u>292</u>	<u>1063</u>	<u>798</u>	<u>75</u>
Persons entering via motor vehicles,	<u>2450</u>	<u>9305</u>	<u>1460</u>	<u>5316</u>	<u>3989</u>	<u>75</u>
Persons entering via other private transportation,						
Total persons entering via private transportation,	<u>2450</u>	<u>9305</u>	<u>1460</u>	<u>5316</u>	<u>3989</u>	<u>75</u>

OTHER TRANSPORTATION:

Persons entering via stages, .						
Persons entering via trains, .						
Persons entering otherwise, . .						
Total other transportation, .						
GRAND TOTAL ALL VISITORS, . . .	<u>2450</u>	<u>9305</u>	<u>1460</u>	<u>5316</u>	<u>3989</u>	<u>75</u>

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-158
December 1934

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Hawaii National Park for the month of December, 1938

*** 6-2562

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
-------------------------	-----------------------------	--------------------------------	--------------------------------	-----------------------------

NO AUTHORIZED PROJECTS

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10-158
(May 1931)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of December, 1938

	THIS MONTH		THIS MONTH LAST YEAR	
	APPOINTED	NON-APPOINTED	APPOINTED	NON-APPOINTED
Number of employees beginning of month.....	21	0	18	0
Number of additions.....	0	0	1	6
Total.....	21	0	19	6
Number of separations.....	0	0	0	0
Number of employees close of month.....	21	0	19	6
Number of promotions during month.....	0	0	0	0
Aggregate amount of annual leave taken.....	9½	0	37½	0
Aggregate amount of sick leave taken.....	1	0	1½	0
Aggregate amount of leave without pay.....	0	0	0	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

..... Hawaii National Park. Month of December, 1938.

	THIS YEAR	LAST YEAR
Park revenue on hand beginning of month.....	0.00	0.00
Received.....	2.70	0.00
Total.....	2.70	0.00
Remitted.....	2.70	0.00
On hand close of month.....	0.00	0.00
Park revenues received this year to date.....	70.10 70.10	70.75
Park revenues received last year to date.....	70.75	298.50
Increase.....	- .65	- 227.75
Percent of increase.....	.009	.763

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

REPORT OF SALES OF PUBLICATIONS

December, 1938

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	969	143.00
Received during month,	0	0.00
Total,	969	143.00
Sold during month,	12	2.20
On hand at close of month,	957	140.80
<u>NON-GOVERNMENT PUBLICATIONS:</u>		
"Portfolio on the National Park and Monument System".		
On hand beginning of month,	30	15.00
Received during month,	0	0.00
Total,	30	15.00
Sold during month,	13	6.50
On hand at close of month,	17	8.50
Cash on hand beginning of month,		14.40
Sales during month,		8.70
Total,		23.10
Remitted during month,		8.30
Balance,		14.80

137

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

January 2, 1939

Memorandum for the Superintendent:

The report of the Ranger Division for the month of December 1938, follows:

010 Introduction

No events of unusual or outstanding importance occurred during the month.

021 General Weather Conditions

Weather during December was rainy with _____ inches of rainfall being registered in the headquarters area and 6.11 (?) inches at the 6600 foot elevation on Mauna Loa.

Snow fall on Mauna Loa several times and was visible from Kilauea on 3 Mornings.

125 Other Governmental Officers

Mr. Morris Klemme, Director of Grazing, N.P.S. 10457 rd.
Mr. _____ Wheeler, Educational man for US Forest Service
Mr. _____ Douglas, CCC Auditor.

150 Equipment & Supplies

Fire Equipment.
150 ft. 1 1/2" Hose.
1 Force Pump.

210 Maintenance

Repair work on Quarters #7 was completed and a small repair job on #6 was done. Repairs were also made to Sulphur Banks road by Park Laborers.

400

An anemometer was installed at Puu Ulaula by Ranger Jess and Asst. Geologist Waesche and a phantom circuit was installed connecting the Halemauau Seismograph with the Volcano Observatory. Several repairs of Park Telephones were made during the month by Ranger Jess.

410 Ranger, Naturalist & Guide Service

All regular and special tours and hikes were conducted by the rangers during the month.

530 Visitors

The following visitors were contacted by the Ranger Division.

A group of students from Punahou College, Honolulu.
39 members of Makaweli Plantation football team.
Col. Peirson & family, adjutant general, Fort Shafter, T.H.

540 Public Camps

W. B. Johnson continued to camp at Namakari Paio in a trailer.

610 Police Protection

Daily patrols of park roads and buildings were made by the rangers and one patrol to Mauna Loa summit by Ranger Jess and Asst. Geologist Waesche. Most of the trails in the Kilauea area were patrolled.

Several warnings for speeding were given during the month as well as several motor assists.

640 Destruction of Predatory Animals.

Seven wild pigs and 5 goats were destroyed during the month.

650 Signs

A meeting of the signs committee was held and a quantity of traffic control signs requisitioned. Work is progressing on trail and road directional signs and several trails were measured and information compiled for these. Several signs were repainted and the Kau Entrance Signs repaired and moved to the new park boundary.

900 Miscellaneous

The new board of survey composed of Chief Ranger, Christ and rangers Minter and Jess met on Dec. 30 for the purpose of surveying a quantity of property at the CCC Camp.

A survey was made of the Lava Tube area to be used in preparing material for the Lava Tube information shrine.

The Annual Forest Fire Report was prepared and mailed during the month.

An inspection of the Fossil Footprints area was made and it was found that the footprints are fast being destroyed by the action of weather erosion.

400 Flora Fauna & Natural Phenomena.

Ranger Jess reported seeing a flock of 20 Pekin nightingales at Mauna Loa summit resthouse. Several of these were found dead around the house and 5 specimens were turned over to student technician Paul Baldwin for Stomach analysis. It would be interesting to learn just what brought these birds to the 13,000 foot elevation.

Respectfully submitted

Joseph H. Christ
Joseph H. Christ, Chief Ranger

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B.F.M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

HAWAII

Wailuku, Maui
December 30, 1938

Memorandum to Superintendent Wingate
through office of the Chief Ranger:

Check of travel shows 490 cars and 2450 visitors were in the Halekale Section this month. An increase of 23% over the record for last month is shown.

The barracks and mess hall for the CCC camp were completed this month. One water tank and pipe connections are yet to be installed.

Excavation for the ranger residence building has been started, and a cesspool has been dug.



District Ranger

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

HAWAII

Wailuku, Maui
December 30, 1938

Memorandum to Superintendent Wingate
through office of the Chief Ranger:

The following report of the Haleakala Section for the
month of December, 1938, is respectfully submitted:

000 General.

010 Introduction.

Excavation for foundation, basement, and cess-pool for the
residence building was started this month.

020 General Weather Conditions.

Rainfall at the observation station amounted to 1.90 inches.
The prevailing wind direction was from the northeast. There
were 7 clear days during this month. Wind was stronger than
usual for a few days in the middle of the month. Rainfall
was much less at the ranger station area.

100 Administrative.

120 Park Inspections by

124 Other Interior Department Officers.

The Haleakala Section was inspected by Camp Director
F. C. Huston of the Hawaii National Park CCC on
December 7 to 13.

150 Equipment and Supplies.

Four casings and tubes for truck No. 1169 were received on
December 12.

200 Maintenance, Improvements and New Construction.


230 New Construction

The CCC barracks and mess hall were completed this month.
There is 1 water tank to be installed and the pipe connections
to be put in.
Excavation for the residence building has been started.

500 Use of Park Facilities by the Public.

510 Increase or Decrease in Travel.

490 cars and 2450 visitors were in the Haleakala Section during
this month, showing an increase of 23% over the record for last
month.


District Ranger

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10-23
(May 1929)
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NATIONAL PARK SERVICE
----- NATIONAL PARK

FILE NO.

MONTHLY REPORT
NOVEMBER 1938

IMPORTANT

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ARNO B. CAMMERER,
Director.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

December 8, 1938

MEMORANDUM FOR THE DIRECTOR:

Following is the report of activities at Hawaii National Park during November.

000 - General

The most outstanding event of the month was the regular Hawaii Calls broadcast to the mainland, which originated at the Volcano House at 6:30 p.m. (HST) on the 17th, with the superintendent, Assistant to the Superintendent Moomaw, and Dr. Jagger participating in addition to several music troupes. This went over the NBC blue network and was received by a large number of mainland stations.

020 - General Weather Conditions

November was quite the wettest month for several months, with a total of 14.44 inches of rain at headquarters, at Haleakala 2.05 inches, and the rain gauge at the 6600 foot elevation on Mauna Loa showed 7.69 inches for that locality. Maximum and minimum temperatures were 75 and 50 degrees at headquarters and the maximum wind velocity was 20 mph on the 25th at Kilauea and 29 mph on the 17th at Haleakala.

100 - Administration

110 - Status of Work

All work was current, with the exception of the Master Plan, corrections to which were in progress.

120 - Park Inspections by:

121 - Superintendent: Remained at headquarters, making routine inspections of work in progress both CCC and regular, and on the 30th departed for Honolulu to attend meetings of the Territorial Planning Board, of which he is a member, and also to conduct various other items of business.

124 - Other Departmental Officers: Warren L. Lytle, camp director of the Territorial CCC Camp at Keanae Maui, was a visitor in the park for 12 days, and W.C. Jarrett, camp director of the Waimea camp was a visitor for one day, for the purpose of inspecting our CCC camp.

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125 - Other Governmental Officers: US Attorney I.W. Stainback, accompanied by Federal Judge and Mrs. Stephens were visitors on the 10th.

130 - Finance and Accounts

A detailed report is attached

150 - Equipment and Supplies

In addition to various items of small fire fighting equipment one electric refrigerator and one grinder, which had been declared surplus by the Procurement Division, were received during the month.

180 - Circulars, Placards, Publicity Bulletins, etc.

A collection of lava specimens and two silversword plants were furnished the Hawaii Tourist Bureau for use at the Hawaii booth at the San Francisco Fair.

200 - Maintenance, Improvements and New Construction

220 - Improvements

The new wood saw was installed in the park utility area, also a roof erected over the fire siren.

230 - New Construction

The second set of quarters being constructed by the CCC was approximately 95% complete and the third set 40% complete at the end of the month.

300 - Activities of Other Agencies in the Park

320 - Cooperating Governmental Agencies

On November 17 a conference was held with Majors Stribling and Clark and Lieutenant Lindsay of the Army Air Corps and Major Billing commanding Kilauea Military Camp, also Assistant to the Superintendent Moomaw to discuss suggested use of a section of park land by the Army Air Corps for a bombing target range.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Assistant Park Naturalist Samuel H. Lamb, departed for the mainland on the 4th, where he will take some of his annual leave while awaiting final approval of his transfer to the Biological Survey at Pilot Town, Louisiana, which was received on the 28th, to take effect December 1.

Recommendation for the re-classification of Ranger J.A. Peck, to the position of district ranger, was forwarded on the 15th. Notification was received of the approval of the transfer of Paul Ernest Schulz, who has been serving as temporary museum assistant at Lassen, to the position of ranger in this park, and it is expected he will report sometime after the first of the year. Ranger Arthur L. Jess and his family arrived on the 19th. Mr. Jess was selected from a Civil Service register, and had previously served with the Forest Service at Gold Beach, Oregon for a number of seasons as ranger and fire guard.

The ranger staff is cooperating with the staff of the Volcano Observatory in maintaining the seismograph at the 6800 foot elevation on Mauna Loa.

460 - Birds

On November 24, Paul H. Baldwin of the University of Hawaii, who directed our bird study throughout the summer under the OCC, returned at his own expense to conduct his studies and to make autumn observations. He remained in the park until the 27th, and expects to return over the Christmas holidays for continued studies.

480 - Natural Phenomena

A complete report of the activities of the staff of the Volcano Observatory is attached.

On the 10th the local seismographs registered a large distant earthquake, beginning at about 10 a.m. and continuing until past noon. It was finally decided, after communications with observatories at Pasadena and Berkeley, that the epicenter was located in the vicinity of the Aleutian Islands, in which case Dr. Jaggard stated that we should expect a tidal wave to strike Hawaii between 3 and 6 p.m. of the same day. The wave, which did no damage, arrived on schedule and caused water level displacement of .6 of a foot at Oahu, about 2½ feet at Maui and more than a foot at this island.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel to Kilauea amounted to 11,926 persons, as compared with 10,922 for the same period last year, and at Haleakala the district ranger reports 1,985 visitors as against 1350 for November, 1937.

530 - Visitors and Special Parties

Hon. L.M. Whitehouse, Territorial Land Commissioner and party spent several days at the Volcano House.

W.C. McGonagle, Territorial Treasurer, Honolulu

Don A. Crozier of radio station KGU, Honolulu, and Kenneth B. Carney of Bowman Holst MacFarlane Richardson, Honolulu, advertising agents, who were conducting the NBC radio program, for two days.

Dr. John H. Payne, Chemistry Professor at the University of Hawaii, in connection with experiments being conducted in cooperation with the Volcano Observatory.

E.J. Walsh, manager of the Grand Hotel at Wailuku Maui, and also the concessioner for the Haleakala section.

Major General Herron, commanding the Hawaiian Department, USA

There were also a number of Girl Reserves from Kohala, and 29 Lion Club members from Kona and Hilo.

600 - Protection

610 - Police Protection

One stolen car, which had been reported to the chief ranger by the sheriff's office, was located near the Kilauea Military Camp, and turned over to the police. One mounted patrol was made of the park beach area and Kam desert trail. The coconuts which had been planted at the beach have started to bear fruit.

620 - Fire Protection

The regular quarterly fire inspection was made of all buildings in the park on the 1st.

640 - Destruction of Predatory Animals

Nineteen wild goats and 12 pigs were destroyed

900 - Miscellaneous

CCC - A detailed report is attached.

Hugh Woesche, assistant geologist and Lynne Smith, bacteriologist at the Hilo Memorial Hospital, were married at Dr. Jaggard's home on the 7th.

Local newspapers carried a story to the effect that former ranger Kenneth J. Williams received an appointment as chief liquor inspector

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for the island of Oahu.

Edward G. Wingate
Superintendent

GW

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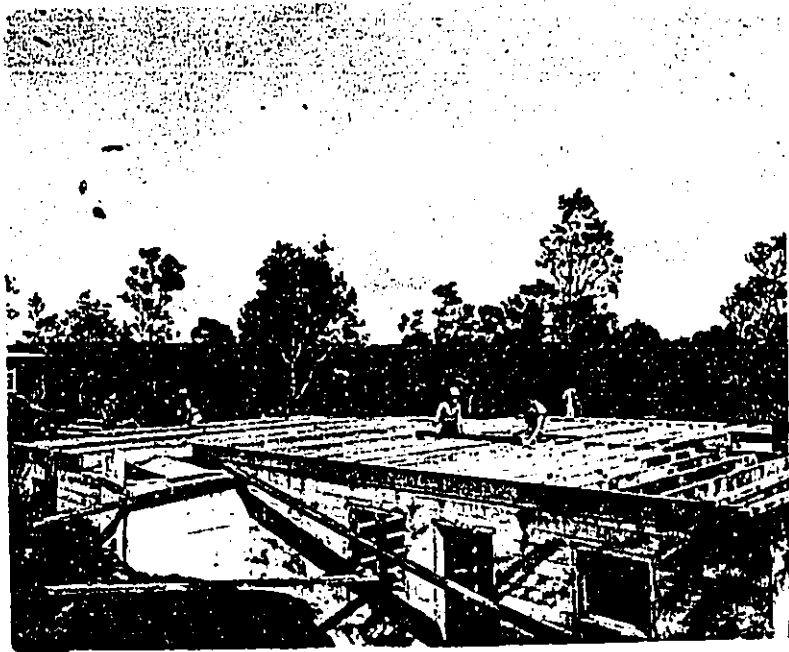
Incinerator - progress photo. CCC Project



Mauna Loa truck trail maintenance.
CCC P_oject.



U. S. District Attorney Stainback of Honolulu
and party at Halemaumau.



Cottage #3, CCC project. Quarters #20

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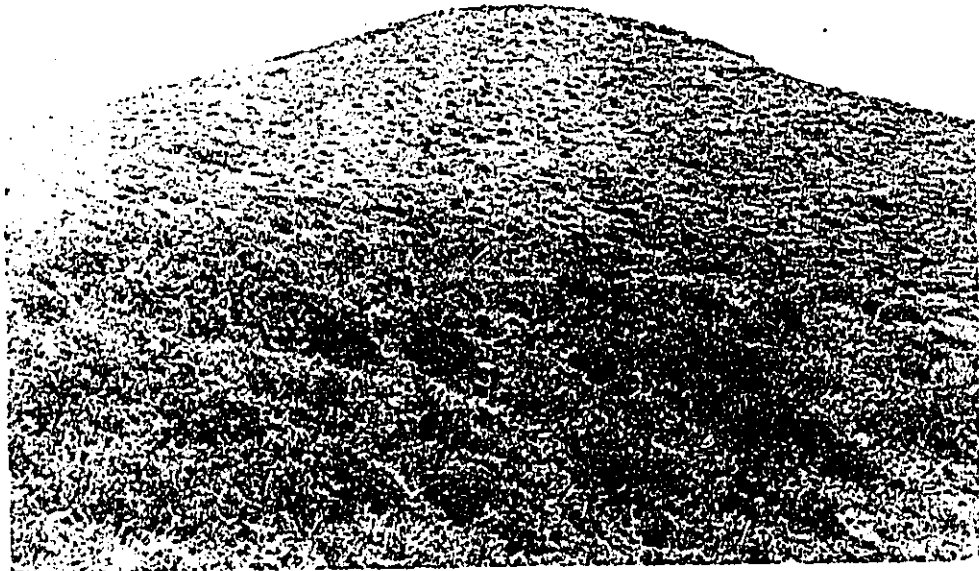


Landscaping at Supt's, Residence. CCC Project.



Landscaping at Volcano House. CCC Project.

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Location for Employees quarters at
Haleakala section. CCC Project.



Starting foundation for Employee's quarters
at Haleakala section. CCC Project.

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ok 12-6

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

December 7, 1938

Edward G. Wingate, Superintendent
Hawaii National Park

Subject: Report of the
Hawaiian Volcano Obser-
vatory, November, 1938

Dear Mr. Wingate:

The month of November was marked at the laboratories of the Hawaii National Park by numerous instrumental investigations and tests, by the production of some publications, and by contacts with the University of Hawaii, by chemical investigations and by correspondence, dealing with the problems of future cooperation.

Volcanic Activity of the Month

November was remarkable in the Pacific area in producing 11 distant earthquakes, and the local field here was extraordinary in developing large numbers of small slides from the Halemaumau wall, and also some avalanches from the northern corner of the Kilauea west bluff. It is curious that with the great numbers of small slides in Halemaumau for the fortnight ending November 27, mostly from the northern and western walls, the measured local earthquakes of the period are dominantly from sources in the island not within Kilauea volcano.

The following are the local data for the month;

<u>Week</u> <u>Ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack</u> <u>Openings</u>	<u>Local tremors</u> <u>and quakes</u>
Nov. 6	10.50	3 (Kilauea)	0.0 mm	33
13	9.75	1 (Halemaumau)	4.5 "	10
20	9.00	23	4.0 "	24
27	99.00	93	3.5 "	30

Of felt feeble shocks there was one of Kilauea origin November 5, another 53 miles distant November 7 and one 16 miles distant November 20.

Of the distant earthquakes, one was located near Japan, two were of Aleutian origin, and of these the one at 9:56 a.m. November 10 produced excessive amplitude on the seismogram and caused a slight tidal wave in Hawaii.

Work of the Volcanologist

Dr. Jaggard gave parts of nine days to drafting maps for the monograph on craters. Some bound sets of the Bulletin and the Volcano Letter were prepared and the covers labelled by the laboratory assistant, Sato. Volcano Letter for July was distributed November 23. A set of the 30 volumes of the publications of the Observatory, and all the available reprints by Observatory authors were sent to the library of the Royal Vesuvian Observatory in Italy. A package of reprints of three papers presented by Dr. Jaggard to the April meeting of the American Geophysical Union was received November 16.

Some time was given during the month to correspondence and conferences dealing with the future relations of the University of Hawaii to the work of the Observatory. This matter is receiving close attention in conferences between Mr. F.C. Atherton, president of the Hawaiian Volcano Research Association, and the officers of the University.

Assisted by A. Okuda, the mechanic, the Volcanologist prepared another model of a seismoscope, which avoids the electrical complexities of the model now in the hands of volunteers on Hawaii. Some of these former models are being called in, because they need simplification. The new model consists of a simple dial with several hands tripped by a small pendulum; it is designed to be attached to a solid wall, and merely to indicate how big an earthquake is in its mechanical power of displacement.

It is of interest to note that the Forty-second and Forty-third Reports of the Committee of Seismological Investigations of the British Association mention the use of our model shock-recorders, made at Kew Observatory and employed in Montserrat and in Perthshire, England.

The Volcanologist, with other officers of Hawaii National Park, took part in an NBC broadcast from Volcano House under the auspices of Hawaii Tourist Bureau November 17. On November 22 the Volcanologist visited Pohoiki in Puna, and was shown a warm fresh-water spring pouring into the sea, at blood heat, apparently from the Kilauea eastern rift, to which it owes its thermal quality. Specimens were collected from the beach locality and two wells farther inland and the samples were taken to Dr. Payne, our Associate in Chemistry at the University of Hawaii, for analysis. A trip was made to Honolulu November 27, when these specimens were delivered at the Chemical Laboratory, and also flasks of gas representing the monthly collection from Sulphur Bank, were delivered to Dr. Ballard for a spectrographic test.

Work of the Assistant Geologist

Mr. H.H. Waesche carried on his usual routine in charge of geodetic and seismological work and completed the October earthquake report for the Volcano Letter. On November 22 two tubes of gas were collected at the Sulphur Banks for the monthly record, to be subjected to spectrographic test by Dr. Ballard. On November 23 the crater angles were measured from the Observatory porch monument.

On November 19, after leave of absence for 10 days, Mr. Waesche found the radio time-receiving apparatus out of order, and repaired it. On November 25 he visited the seismograph station on Mauna Loa and adjusted the time clock contacts. From November 28 to 30 he continued work on the Kilauea map of earthquake locations for 1938. During the month there were 10 visitors to the seismological laboratory.

The newly installed Hawaiian type seismograph on Mauna Loa made an excellent and extraordinary record of the great Aleutian island earthquake of November 10, and a very clear record of that quake was also written by the Kona seismograph.

Work of the University Chemists

On November 9 Dr. H.H. Payne and Mr. K.T. Mau, respectively Assistant and Professor Chemistry and Graduate Assistant from the University of Hawaii, arrived at Hawaii National Park for a three days' stay with expenses paid by the University. Mr. Mau is working on the problem of disintegration of Hawaiian lava, as a thesis for Master's Degree under the direction of Dr. Payne, and a committee consisting of Drs. Palmer, Eller and Ballard. Their task was to collect samples and to study the literature in the library of the Hawaiian Volcano Observatory. Mr. Mau is making analyses of the lavas in process of disintegration, and of the incrustations; and eventually problems of artificial disintegration will be taken up.

The two chemists collected numerous samples; and some of these were subjected to preliminary qualitative tests with the spectrograph by Dr. Ballard during the latter part of the month in Honolulu.

Work of the Assistants

In addition to labelling newly bound volumes of Observatory publications, Mr. S. Sato continued his work in elaborating the index pages that are to be printed, for recent volumes of the Volcano Letter. He also worked on the record books of the Observatory, and in distributing and cataloging accessions to the library.

H. Yasunaka has had added to his routine of attending the seismographs, the long journey every two days to the seismograph cellar on Mauna Loa. A. Okuda continued to give attention to the mechanical problems of the new Mauna Loa instrument, and then to build and make changes in a model mechanical seismoscope, to be tested both in the seismograph cellar and by artificial motion on the shaking table. The first rough model on this plan was under test in the cellar at the end of November.

Publications

The following publications were issued:

T.A. Jagger Structural Development Volcanic Cones. Transactions American Geophysical Union, General Assembly, 1938, pages 23-32, two cuts.

T.A. Jagger A Simple Seismoscope. Transactions American Geophysical Union, 1938, ^{Seismology} page 125, one cut

T.A. Jagger A Star Zenith Finder. Transactions American Geophysical Union, 1938, Geodesy, pages 60-61, five cuts.

Very respectfully

T.A. Jagger

T.A. Jagger
Volcanologist

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

HAWAII December 7, 1938

Report of Camp Director, Frank C. Huston, CCC HNP, to Park Superintendent, Edward G. Wingate, Hawaii National Park for the month of November, 1938.

During the month we enrolled 28 new boys and discharged 7, five were given dishonorable discharges and two were needed at home.

Eight boys were transferred to the stub Camp on Maui.

The lost time for sickness this month was heavy being a total of 327 man-days this was due to inoculation of new enrollees and an epidemic of colds. The doctor put the camp under quarantine for a week. The camp is now free of sickness.

There were two operations for appendicitis this month.

There was one safety meeting of the entire camp and two foreman meetings. The safety engineer report states that all safety regulations are being adhered to.

The project superintendent report showed a daily average of 143 enrollees released to him during the month of 20 working days making a total of 2869 man-days.

Job Report 111 P Trailside Museum

This job was 100% completed this month. 149 P Telephone Construction.

Work was continued on this project during the month moving the line from the trees to poles, above Bird Park.

220 RT Road and Trail Maintenance

455 man-days used on this project repairing the Mauna Loa Truck Trail and clearing some of the horse trails.

309 Landscaping School Grounds

Work continued on this project but has been delayed due to wet grounds.

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Job Reports

308 Camp Construction and Construction of Personnel Cottages

1353 man-days used on this project, Cottage No. 3 about 95% complete, Cottage No. 5 is ready for the roof and cleaning and excavation of cottage.

No. 1 Started HAW-U-5 Incinerator

This project is well under way but delayed due to lack of material. Work continues on eleven other regular projects.

The recreational activities continue, we were behind in football but won one of the Championships in basketball.

Mr. Lytle Camp Director of CCC Camp, Keanae, Maui and Mr. Jarrett Camp Director of the Waimea CCC Camp visited this camp on November 9th and 18th.

CCC Stub Camp, Haleakala Section, Hawaii National Park, Maui, T. H.

The Camp Director visited this camp November 12th and 19th taking with him 8 enrollees from the main camp.

There was a total of 219 man-days used here with a loss 13 days due to sickness.

The four barracks are completed all but the painting. Mess Hall and Kitchen completed except for the painting and inside fixtures. Excavations and masonry walls for the latrine 50% complete. Excavation for the Rangers Cottage started on November 30th.

We now have a total of 192 enrollees in this camp and expect to receive 11 more from Maui on December 3rd, this with the 15 boys at Haleakala Section, makes a total of 281 enrollees.

Respectfully submitted,

Frank C. Huston
Frank C. Huston,
Camp Director,
CCC HNP

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STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

NOVEMBER, 1938

<u>Symbol</u>	<u>Appropriation</u>	<u>Allotted</u>	<u>Expended Obligated</u>	<u>Balance</u>
1491000	National Park Service, 1939	55,100.00	49,705.83	5,394.17
148/91000	Nat'l. Park Service, 1938-1939	300.00	206.06	93.94
1481000	National Park Service, 1938	49,432.00	49,365.66	66.34
1471000	National Park Service, 1937	44,500.00	44,016.56	483.44
14-1010	Roads & Trails, Nat'l. Park Serv.	32,400.00	31,418.45	981.55
14-1130	Roads & Trails, National Parks, Emergency Construction	40,870.65	40,728.90	141.75
14-443/90634	H.I.R., Interior, National Park Service, 1933-1939	12,278.56	12,273.56	5.00

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Kilauea Section, Hawaii National Park for the month of November, 1933

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						
Persons entering via motor vehicles,	11,004	21,433	10,134	22,713	-1280	.054
Persons entering via other private transportation,	421	679	270	510	169	.351
Total persons entering via private transportation,	11,425	22,112	10,404	23,223	1111	.048

OTHER TRANSPORTATION:

Persons entering via trains ^{Hotel}	501	1,148	518	1,517	-369	.243
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	501	1,148	518	1,517	-369	.243
GRAND TOTAL ALL VISITORS,	11,926	23,260	10,922	24,740	-1480	.059

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Kalahele Section, Hawaii..... National Park for the month of November, 1933.....

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	397	1141	370	771	370	48
Persons entering via motor vehicles,	1985	5705	1350	3852	1849	48
Persons entering via other private transportation,						
Total persons entering via private transportation,	1985	5705	1350	3852	1849	48

OTHER TRANSPORTATION:

Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation, 4777	1777	4350	3534	3141	44	
GRAND TOTAL ALL VISITORS,	1985	5705	1350	3852	1849	48

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

<u>Hawaii</u> National Park.		Month of <u>November</u> , 193 <u>8</u>	
	THIS YEAR	LAST YEAR	
Park revenue on hand beginning of month.....	0.00	0.00	
Received.....	41.65	18.75	
Total.....	41.65	18.75	
Remitted.....	41.65	18.75	
On hand close of month.....	0.00	0.00	
Park revenues received this year to date.....	67.40	70.75	
Park revenues received last year to date.....	70.75	273.50	
Increase.....	-3.35	-202.75	
Percent of increase.....	.047	.742	

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10-161
(Sept. 1933)UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawai National Park

REPORT OF SALES OF PUBLICATIONS

November, 1938

	Number	Value
GOVERNMENT PUBLICATIONS:		
On hand beginning of month,	950	132.00
Received during month,	20	12.00
Total,	970	144.00
Sold during month,	1	1.00
On hand at close of month,	969	143.00
NON-GOVERNMENT PUBLICATIONS:		
"Portfolio on the National Park and Monument System".		
On hand beginning of month,	11	5.50
Received during month,	30	15.00
Total,	41	20.50
Sold during month,	11	5.50
On hand at close of month,	30	15.00
Cash on hand beginning of month,		14.40
Sales during month,		6.50
Total,		20.90
Remitted during month,		6.50
Balance,		14.40

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

.....**Hawaii**..... National Park for the month of.....**November, 1938**

6-1522

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
526 Resurfacing two miles of main park highway at Kam (west) entrance (F.A.)	100	0	0	
527 Haleakala Road, stern damage repairs (F.A.)	100	0	0	

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10-159
(May 1931)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of November, 1938

	THIS MONTH		THIS MONTH LAST YEAR	
	APPOINTED	NON-APPOINTED	APPOINTED	NON-APPOINTED
Number of employees beginning of month.....	20	0	18	0
Number of additions.....	2	0	1	0
Total.....	22	0	19	0
Number of separations.....	1	0	1	0
Number of employees close of month.....	21	0	18	0
Number of promotions during month.....	0	0	0	0
Aggregate amount of annual leave taken.....	28½	0	7	0
Aggregate amount of sick leave taken.....	13½	0	27	0
Aggregate amount of leave without pay.....	0	0	0	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
November 29, 1938

Memorandum for Superintendent Wingate
through office of the Chief Ranger:

000 General

010 Introduction.

Due to lack of rain at the camp site this month, a water shortage is imminent.

020 General Weather Conditions

Rainfall at the Observation station amounted to 2.05 inches, half falling in a Kona storm on the first and half falling in a Kona storm in the middle of the month. Prevailing wind direction was from the northeast except for a few days of variable winds during each Kona storm. There were 10 clear days at the Observation station during the month.

100 Administrative.

120 Park Inspections by

124-Other Interior Department Officials

Camp Director F. C. Huston of the Hawaii National Park CCC inspected the Haleakala Section November 14 to 18.

150 Equipment and Supplies;

The following fire fighting equipment was received in good condition November 19:

- 6 Pulaski tools
- 6 McLeod tools
- 8 Shovels "Lady's type"
- 5 gals. refills for fire extinguishers

200 Maintenance, Improvements, and New Construction


230 New Construction

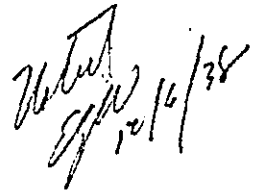
The construction of the CCC camp buildings etc. is approximately 85% completed.

500 Use of Park Facilities by the Public

510 Increase or Decrease in Travel

397 cars and 1985 visitors were in the Haleakala Section during this month, showing a decrease of 59% below last month. Travel is nearer normal this month, after heavy travel of last month due to the Maui County Fair and several visiting football teams.


J. A. Peck
District Ranger


12/16/38

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
November 29, 1938

Memorandum to Superintendent Wingate
through office of the Chief Ranger:

Check of travel shows 397 cars and 1985 visitors were in the Haleakala Section during the month of November. A decrease of 59 % under the record for last month is shown.

The construction of the CCC camp buildings etc. is approximately 85% completed.

The rangers reports, weather report, narrative report and travel reports are enclosed.



J. A. Peck
District Ranger

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

December 5, 1938

Memorandum to the Superintendent.

Subject - Chief Ranger's monthly narrative report.

Dear Mr. Wingate:

The report of Ranger Division activities for the month of November, 1938 follows:

010 Introduction

No events of unusual or outstanding importance occurred during the month.

021 General Weather Conditions in the park

Weather during November was generally rainy with _____ inches of rainfall being registered at Park Headquarters and 7.69 inches at the 6600 foot elevation on Mauna Loa.

125 Other Governmental Officers

Warren L. Lytle, Camp Director of Keanae CCC Camp, Maui spent 12 days at the Volcano House and

W. C. Jarrett, Camp Director of Waimea CCC Camp, Hawaii, one day on an official visit and inspection of Kilauea CCC Camp.

150 Equipment and Supplies

The following fire equipment was received by this section:

4	prs.	side-cutter pliers
2	"	rubber lineman's gloves
150	ft.	3/4" rubber hose
6		Pulaski tools
6		McLeod tools
6		lady's type shovels
12	gals.	extinguisher refills

The following equipment was received by Haleakala Section:

- 6 Pulaski Tools
- 6 McLeod Tools
- 6 Lady's type shovels
- 5 gals. extinguisher refills

180 Circulars, placards, publicity bulletins etc.

A press release on the flowering Mamani trees and Sunday Mauna Loa Tours was prepared November 10, 1938.

210 Maintenance

The work of repairing and replacing poles of the Mauna Loa telephone line between Six Tanks and Kipuka Puauhu was started (?) completed (?) by CCC. The repairing and repainting of quarters #4 was completed and quarters #11 about 80% completed during the month. ?

220 Improvements EJP

The new wood saw was installed and a roof shelter constructed over it and a roof was erected over the fire siren.

320 Cooperating Governmental Agencies

The ranger division is cooperating with the Volcano Observatory in maintaining the seismograph at El. 6600 on Mauna Loa.

410 Ranger, naturalist and guide service

All regular and special tours and hikes were conducted by the rangers division during the month.

530 Visitors

The following park visitors were contacted by the rangers division:

W. C. McGonagle, Territorial Treasurer, Honolulu.

Don A. Crozier and Kenneth B. Carney of Radio Station KGU, Honolulu.

Dr. John H. Payne, Chemistry Professor at University of Hawaii.

E. J. Walsh, Maui Park Operator.

Dwight O. Welsh, high Rotarian from Kauai.

Mr. and Mrs. Frank Baldwin, Plantation executive from Maui.

26 Girl Scouts from Hilo.

_____ Girl Reserves from Kohala, Hawaii.

29 Lions Club members from Kona and Hilo.

Maj. Gen. Herron of the Hawaiian Department.

Federal Judge Steinback of Honolulu.

Federal Judge Stephens of Honolulu.

540 Public Camps

W. B. Johnson and wife of Hilo camped at Namakani Paio in a trailer for one week.

610 Police Protection

Daily patrols of park roads and buildings were made throughout the month. One stolen car was recovered near Kilauea Military Camp. A mounted patrol was made of the park beach area and Kau Desert Trail. More frequent patrols of the beach area are needed to prevent depredations. The planted coconut grove at Halape is starting to produce fruit and evidence of the picking of this fruit was found. Patrols into this area are too strenuous to be completed in one day and over night stays ~~involving~~ will be necessary to properly protect this district.

Two warnings for speeding were given during the month and 3 motorists with trouble, assisted.

620 Fire Protection

A quantity of new fire equipment listed under #150 was marked, painted and installed in the fire house. All hose was inspected for defects and fire line pressure test was conducted at the superintendent's residence. A quarterly fire inspection was conducted November 1, 1938.

financial, woman? or did the 3 motorists want in giving the warburys?

640 Destruction of Predatory Animals

19 wild goats and 12 pigs were destroyed during the month.

650 Signs

Work on destination and trail signs is going ahead and is being done by rangers when time is available.

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900 Miscellaneous

The Board of Survey met during the month and recommended disposal of a quantity of unserviceable equipment in the park warehouse and the removal from official records of property lost or disposed of by previous survey boards over a period of about 4 years.

A new ranger, Arthur L. Jess and family arrived from the mainland and entered on duty November 19. Asst. Park Naturalist Samuel H. Lamb left for the mainland and announcement of his transfer to the U. S. Biological Survey was received.

Respectfully submitted,

Joseph H. Christ
Joseph H. Christ,
Chief Ranger.

gpc
12/6/38

10-23
(May 1925)
G-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
----- NATIONAL PARK

FILE NO.

MONTHLY REPCT

OCTOBER 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

November 10, 1938

MEMORANDUM FOR THE DIRECTOR:

Following is the report of activities in Hawaii National Park for October.

000 - General

020 - General Weather Conditions

Total precipitation at headquarters amounted to 7.72 inches, and at Haleakala .03 inch; maximum and minimum temperatures at headquarters were 75° and 65° respectively, with maximum wind velocity at headquarters 21 mph on the 7th and 29 mph on the 5th at Haleakala.

100 - Administration

120 - Park Inspections by:

121 - Superintendent: With the exceptions of two trips around the island, the superintendent remained at headquarters during the month, engaged in routine office work and general inspections of the Kilauea area. On the 7th he made a trip to Kona and around the island to meet with the Territorial Planning Board and to look over a section of the proposed Hilo-Kona between-mountain road, returning on the 9th. On the 28th he conducted Mr. and Mrs. G.A. Lyon of Washington DC on a trip around the island.

123 - National Park Service Officers: E.E. Tillett, Field Supervisor CCC, on the 22nd and left on the 26th.

130 - Finance and Accounts

A detailed report is attached.

140 - Labor Situation

Newspapers were still carrying stories regarding the labor trouble at the Hilo dock on August 1. The CIO is demanding that public recognition be taken of the charge that the Hilo police were to blame for precipitating this riot.

150 - Equipment and Supplies

One electric range and one refrigerator were received from Procurement Division surplus lists. Two small charcoal stoves were purchased and installed at the Pun Ulaula resthouse at the 10,000 elevation on Mauna Loa.

170 - Maps, Plans, Surveys, etc.

CCC Engineer Wong was engaged on revising sheets for the master plan and in preparing map material on the newly authorized Kalapana and Footprint area addition to the park requested by the Regional Office.

180 - Circulars, Placards, Publicity Bulletins, etc.

One memorandum for the staff concerning the designation of Ranger Olson to serve on the survey board, vice Robert R. Craik, retired, was issued. On the 26th and 27th Fox Movietone cameramen were in the park making movies for future issues of Movietone news.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

With the retirement of Robert R. Craik, foreman, Sadaichi Kawasaki junior general mechanic, was designated acting foreman.

220 - Improvements

Painting and general repairs were commenced on two sets of recently vacated quarters for future occupants. The Chain-of-Craters road, which had been damaged by earthquakes opening up cracks, was temporarily repaired by the CCC and opened again to the public on the 10th.

230 - New Construction

The second set of quarters being constructed by the CCC now has the roof and siding on and fireplace and chimney almost completed, and concrete foundations poured for the third quarters. Enrollee carpenters are showing constant improvement in their work.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

Lights were finally installed in the badminton court, which is located in the Volcano House woodshed and much enthusiasm has been displayed by hotel guests and residents of the community.

320 - Cooperating Governmental Agencies

The quarterly meeting and dinner of the Hilo branch of the Federal Business Association was held at the Seaside Club in Hilo on the 14th with a large number in attendance

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Form 1-612 recommending the abolishment of ranger position, No. 14, vice Kenneth J. Williams, resigned, was submitted on the 15th. It is planned to request establishment of two positions of junior park warden instead, when approval of the abolishment is received.

420 - Museum Service

Final draft of the museum development plan for Hawaii National Park was submitted to Assistant Museum Division Chief Dorr Yeager on the 15th. He has approved this plan and it has been forwarded to Washington for final approval.

480 - Natural Phenomena

Incomplete report of the activities of the Volcano Observatory is attached. Form 1-612 recommending the appointment without compensation of Dr. J.H. Payne of the University of Hawaii as Research Associate in Geochemistry was submitted.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

On October 14 request was made by radio that the Service express its interest to the US Maritime Commission in securing direct steamship service between Hilo and mainland ports under reorganized Dollar Line. Until the Matson Line virtually secured a monopoly of the passenger travel to Hawaii in 1931, Hilo had been a regular port of call for both Matson and Los Angeles Line steamers which brought numerous tourist visitors from the mainland. Since then, with the exception of freighters and three or four round-the-world boats a year Hilo has been without direct steamer service and tourist travel to the park has been materially reduced. This radio request was supplemented by a memorandum on the subject, enclosing copy of statistical material on freight shipments at Hilo port furnished the Maritime Commission by the Hilo Chamber of Commerce.

Travel to the Kilauea section was 11,334 as compared with 13,818 for October 1937 and at Haleakala there were 4870 visitors as compared with 2506 for last year at this time. This increase of travel to Haleakala was probably due to large crowds attending the annual Maui County Fair.

530 - Visitors and Special Parties

We had our share of well-known people as visitors at the park in October - including Dr. Townsend of the old age pension fame, the Boxing Baers - Max and Buddy - and Bob Burns the movie actor.

- October 5 - Mr. Larry Quinlan, manager of the Alexander Young Hotel in Honolulu, for one week
- " 8 - Dr. Chester K. Wentworth of the Territorial Board of Water Supply, for the week-end. Dr. Wentworth is also a member of the Territorial Planning Board, which organization made a brief stop in the park on the 8th for luncheon.
- " 11 - Dr. Francis E. Townsend for luncheon
- " 22 - Mr. and Mrs. Gideon A. Lyon for a week. Mr. Lyon is of the Washington Star editorial staff. They were shown the courtesies of the park by the superintendent, who also took them around the island.
- " George Armitage, Executive Secretary of the Hawaii Tourist Bureau, for four days.
- " 23 - Max and Buddy Baer, whom it isn't necessary to introduce, accompanied by Max's manager, Ancil Hoffman and Morrie Cohan of the Pasadena Arena. Max and Buddy gave exhibition bouts both in Honolulu and Hilo.
- 30 - Hon. S.W. King, Delegate to Congress, and his family, campaigning.

Others included; 182 officers and men from the Navy Air Corps VP squadrons 4, 6, and 18; some 200 mainland Shriners and their families, who were on a tour of the islands, on the 21st; a Japanese acrobatic troupe; and on the 30th a delegation of some 50 dentists of the territory, who'd had their annual convention in Hilo.

600 - Protection610 - Police Protection

Five persons were warned on account of minor park violations. A safety meeting was held at headquarters on the 28th.

620 - Fire Protection

One fire hydrant was installed at the superintendent's residence, and fire fighting tools and equipment checked and cleaned during the month. Suggestions which were contained in the memorandum from Washington concerning Fire Prevention Week were complied with.

900 - Miscellaneous

CCC - A report of the CCC activities is attached.

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We were kept busy for a spell with babies, families coming and going, and marriage announcements. The babies belonged to Ranger and Mrs. Gunder E. Olson and CCC enrollee and Mrs. Kenneth Kim - Harold Kimo Olson was born on the 18th and Kenneth Kim Jr., on the 20th. Mrs. Samuel H. Lamb and her two small sons left on the 21st for the mainland. They will wait at Mrs. Lamb's home in Colorado until Mr. Lamb's transfer to the Biological Survey is finally approved, then will proceed to Pilot Town Louisiana, which will be Mr. Lamb's new station. On the 19th Mrs. John El Minter and four children arrived from Fullerton California. The announcement that Assistant Geologist Hugh H. Waesche and Miss Lynne Smith, technician at the Hilo Memorial Hospital, are to be married the early part of November was made public.

On the 29th a special collection of lava specimens was furnished the Hawaii Tourist Bureau at their request, for use at the Hawaii section of the forthcoming San Francisco fair. A small amount of pumice was also furnished them.

The new enlarged YMCA camp - Hale Aloha - located just outside the park boundaries - was dedicated on the 9th. One gateway was dedicated to Dr. Jaggard, as first president of the HAWAII YMCA, and the other to Mr. Frank C. Atherton of Honolulu, who has long been active in YMCA activities. The superintendent, who was chairman of the YMCA building committee, was represented by Assistant to the Superintendent Moomaw at these ceremonies.

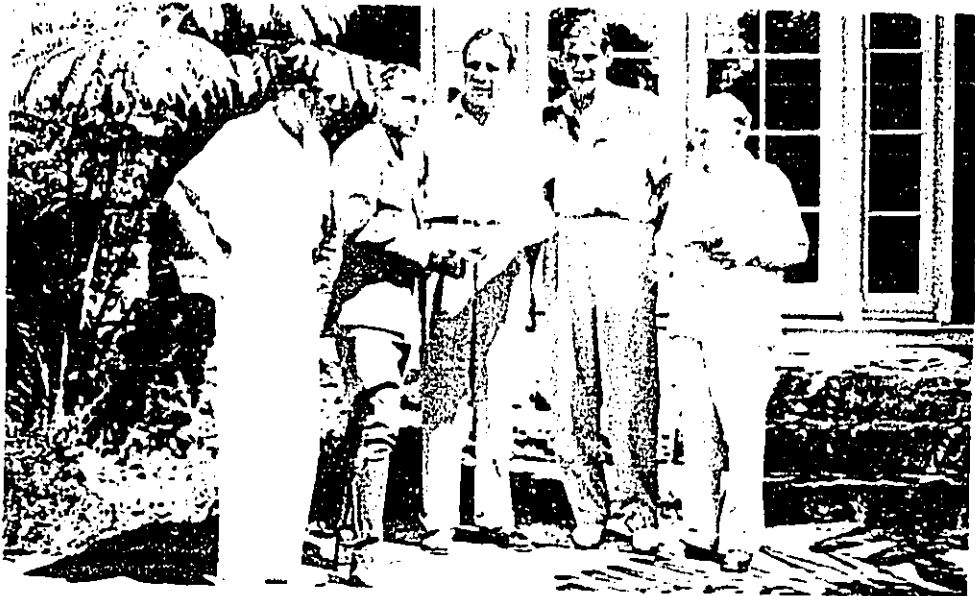
Voting at the primary election on October 1 was watched with interest in view of activities of a Japanese Boosters' Club organized to work for candidates of that race. The presence of a number of ballots voted on racial lines indicated that the club's activities had been more or less effective.

Edward G. Wingate
Superintendent

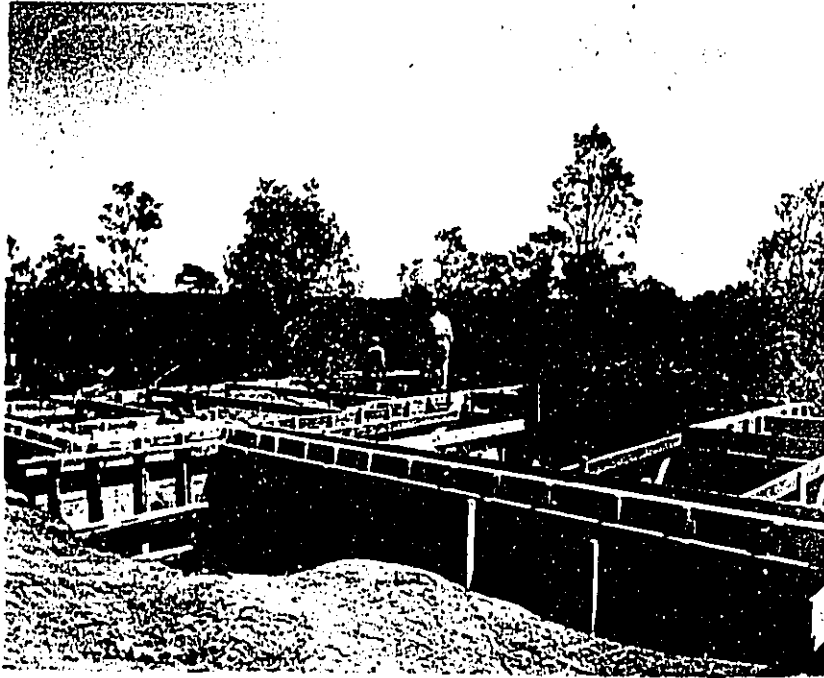
CT



Foundation of incinerator being constructed by CCC



Max Baer receiving Hui O Pele certificate - left to right;
Morrie Cohan, the superintencent, Max and Buddy Baer, and Ancil
Hoffman, Max' manager



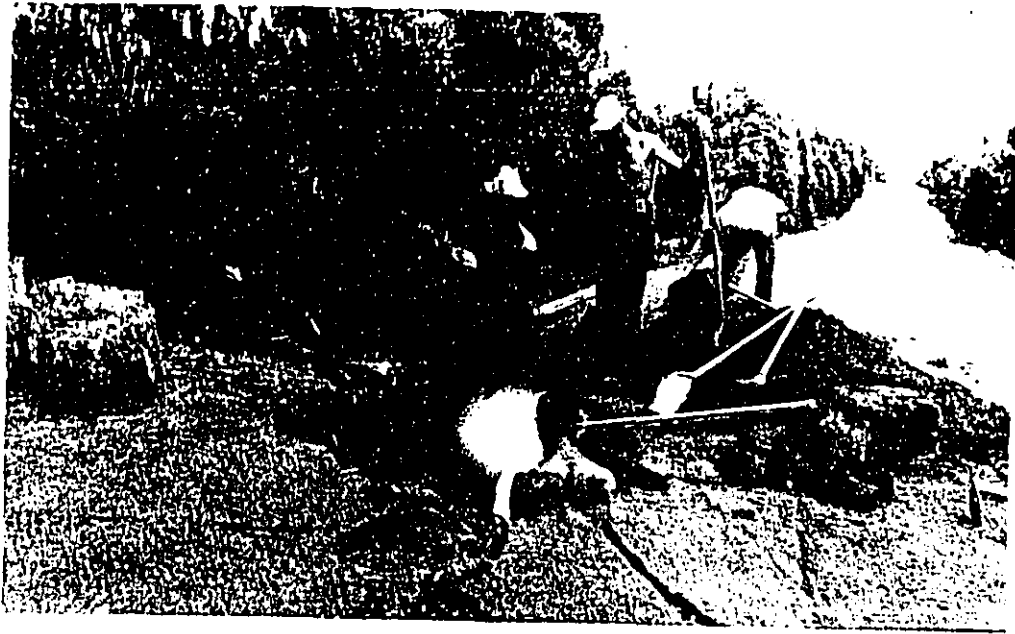
Foundation of third set of quarters being constructed by CCC



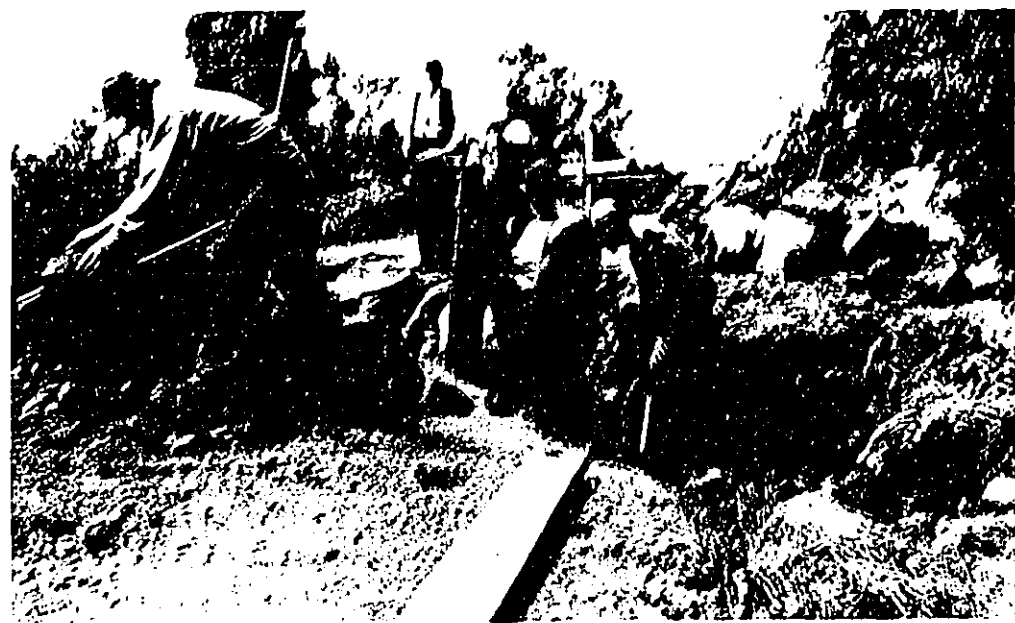
Rear of completed quarters, showing landscaping

X

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CCC crew repairing earthquake cracks on Chain-of-Craters road



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

November 9, 1938

Report of the Hawaiian
Volcano Observatory,
October, 1938

Edward G. Wingate, Superintendent
Hawaii National Park

Dear Mr. Wingate:

The month of October at the volcano laboratories was notable for installation of a seismograph, in the new cellar at the end of Mauna Loa road, on the east flank of the mountain. Other items of progress have been experiments by Mr. Waesche on a uniform time-recording system of transformers and relays; making indexes for recent volumes of the Volcano Letter; ordering a spectrograph for field use at Kilauea; progress (by the United States Engineers) of the survey for lava barriers at Hilo; and sending to the printer in Honolulu a large monograph on "Ash Formations of the Island Hawaii" by Chester K. Wentworth, product of Dr. Wentworth's explorations here in the summer of 1929.

Volcanic Activity of the Month

The first week produced no earthquakes and few tremors, although there was marked increase of slides from Halemauau cliffs. The second week there were no slides reported and only two small earthquakes respectively from Kilauea and perhaps Kualalai. The third week was the quietest seismically in 1938 to date. One very feeble local quake was probably from Mauna Loa, and two distant earthquakes October 19 and 20 were unidentified. The last week had one slide[#] and a felt earthquake on the east side of Hawaii October 25; 12:19 pm, another felt in Kona and Naalehu strongly, cracking a concrete floor in the last named village, occurred under the Mauna Loa southwest rift October 27, 6:12 pm.

The following are the local data for the month:

<u>Week Ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack Openings</u>	<u>Local tremors and quakes</u>
Oct. 9	3.00	24	2.5 mm	12
16	3.75	0	5.5	13
23	1.75	1	0.5	6
30	7.25	0	2.5	12

#Belonged to previous week.

Work of the Volcanologist

During 11 days of the month Dr. Jaggard worked on the maps and manuscript of his monograph dealing with the "Development of Craters." The correspondence with Dr. Hance in Honolulu on selenium poisoning of the soil as a product of the volcanoes was continued; and specimens sent by Naturalist Lamb to Dr. Hance from the sulphur coating of the upper 1935 cone on Mauna Loa, proved to contain 6250 parts per million of selenium. It appears that the quantitative determination of selenium is difficult, and the quantities determined from the three localities in our collections are somewhat in doubt. As the record stands at present it is:

Lava vent 1920 near Halemaumau SW	800 p.p.m.
" 1919 " N	1500 p.p.m.
" Mauna Loa NE, 12,000 ft.	
1935	6250 p.p.m.

Dr. C.K. Wentworth is a member of the Planning Board of the Territory. This board had a meeting in Hilo October 6. Its influence on future Hawaiian legislation will have important bearings on such matters as the Hilo-Kona road, other roads, the protection of Hilo harbor, and the resort of tourists to the island of Hawaii by steamship accommodations. Another meeting of interest to the park was the opening on October 9 of a greatly enlarged camp, Hale O Aloha, of the Young Men's Christian Association, just outside the park boundary on the Hilo road. This is being used by clubs of young people, and social service workers, many weeks of the year.

Correspondence with officers of the Hawaiian Volcano Research Association has dealt with the future of that association, and of the Volcano Letter, when the retirement of Dr. Jaggard from the government service becomes mandatory. All the business firms now contributing will probably withdraw from the association, and during the coming winter a complete readjustment of the association, and its relation to the park, the University of Hawaii and to the Volcano Letter may be expected. At present the association has a fund of \$3500 for publishing technical monographs on volcanology and for indexing the back publications of the Observatory and bringing them into systematic shape under Dr. Jaggard's supervision. This was provided by a single group of donors, the Atherton estates.

The manuscript of July Volcano Letter was mailed October 8, and the June Volcano Letter was issued October 10.

The Volcanologist went to Honolulu October 26 and delivered the Wentworth manuscript to the printer (Advertiser Publishing Company) who was the lowest bidder. July Volcano Letter was discussed with the Secretary of the Volcano Research Association. The field spectrograph from the Gaertner Corporation was discussed with Dr. Ballard and President Crawford of the University of Hawaii, and approved by them and by the Superintendent of Hawaii National Park.

Other matters discussed in Honolulu with President Crawford were a program of research in volcanology for the University after 1939 and chemical work under Dr. Payne. He will investigate with the aid of a graduate student, ^{Mr.} Mau, the chemical decomposition, of Hawaiian lava. Dr. Eller is carrying forward with interesting results his experiments on tilting of the ground in Honolulu and at Kilauea, and he is building apparatus to determine the magnetic properties of cylinders of Hawaiian lava, cut with a core drill and heated in an electric furnace. A conference on October 31 was held with Colonel Hannum, Chief United States Engineer for the Pacific coast district and with Major Bermel, on problems of the Hilo lava barrier. Another conference was with Mr. L.F. Thurston who has plotted charts of the month's excessive surf at Honolulu. These charts are of much interest in connection with the microseisms on our seismographs.

Work of the Assistants

Mr. H.H. Waesche furnished an article on his installation of seismoscopes in the south sea islands to be published in the July Volcano Letter. On October 11 he made tests with a transformer for use on the Halemaumau time system. The instrument was found burnt out and a new one was ordered.

On October 12, installation of the Mauna Loa seismograph was started, it was put in operation on October 17 and it was writing earthquakes very successfully at the end of the month. The large time clocks have recently been overhauled at the Observatory, and a fresh one of these on October 20 was changed for the one at the Observatory and another was installed on Mauna Loa.

Dr. C.K. Wentworth visited the laboratory on October 8 and held conferences with Dr. Jaggard and ^{Mr.} Waesche. From October 14 to 19 Mr. Waesche worked on the Kilauea earthquake location map of 1938. About 20 visitors came to the Observatory during the month. All records were brought up to date.

Work of the Assistants

In addition to his usual duties S. Sata completed, on October 25, index sheets for the printer of the recent annual volumes of the Volcano Letter. Other work has been the binding in special covers of the finished typed volumes of the Observatory. Record Books for the years 1928 to 1937 inclusive and the assembling and filing of the original field notes of recent years. Other work has been the classifying of the cuts stored in the University building. With the employment by the Hawaii National Park of Dr. Howard A. Powers as ranger in the Haleakala section, it appeared wise to return to him the microscope and microscope lamp for petrographic work, in the hope that he may be able to finish reports on geology based on his extensive field work in past years.

H. Yasunaka and A. Okuda completed and installed the two component seismograph on Mauna Loa with numerous improvements over former instruments.

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Publications

The following are relevant to the work of the Observatory:

F.E. Hance. Selenium-I. Hawaiian Planters' Record, vol. XLII, No. 3
1938, pp. 197-210.

S.S. Ballard. Occurrence of the minor elements in commercial fertilizers
as determined spectrographically. (Shows apparatus and spectrograms as used
for the volcanological work of Kilauea). Hawaiian Planters' Record, Vol.
XLII, No. 3, 1938. pp. 185-195.

Visitors

Dr. C.K. Wentworth, Geologist, Honolulu. Dr. Walter C. Alvarez, Mayo
Clinic, Rochester Minnesota.

Very respectfully

T.A. Jagger
T.A. Jagger
Volcanologist

STATISTICAL REPORT NO. 8
FINANCE AND ACCOUNTS

OCTOBER, 1938

<u>Symbol</u>	<u>Appropriation</u>	<u>Allotted</u>	<u>Expended Obligated</u>	<u>Balance</u>
1491000	National Park Service, 1939	55,100.00	49,525.97	5,574.03
148/9100	Nat'l. Park Service, 1938-1939	300.00	---	300.00
1481000	National Park Service, 1938	49,432.00	49,365.66	66.34
1471000	National Park Service, 1937	44,500.00	44,016.56	483.44
14-1010	Roads & Trails, National Park Serv.	32,400.00	31,418.45	981.55
14-1130	Roads & Trails, National Parks, Emergency Construction	40,870.65	40,728.90	141.75
14-443/90634	M.I.R., Interior, National Park Service, 1933-1939	12,278.56	12,273.56	5.00

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Kilauea Section (Hawaii) National Park for the month of October, 1933

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						
Persons entering via motor vehicles,	10,429	10,429	12,579	12,579	-2,150	.171
Persons entering via other private transportation,	258	258	240	240	18	.075
Total persons entering via private transportation,	10,687	10,687	12,819	12,819	-2,132	.166

OTHER TRANSPORTATION:

Persons entering via stages ^{Hotel} stages,	647	647	999	999	-352	.352
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	647	647	999	999	-352	.352
GRAND TOTAL ALL VISITORS,	11,334	11,334	13,818	13,818	-2,484	.180

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Haleakala Section, Hawaii National Park for the month of October, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	974	974	501	501	473	94
Persons entering via motor vehicles,	4870	4870	2506	2506	2364	94
Persons entering via other private transportation,						
Total persons entering via private transportation,	4870	4870	2506	2506	2364	94

OTHER TRANSPORTATION:

Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	4870	4870	2506	2506	2364	94

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii National Park

REPORT OF SALES OF PUBLICATIONS

October, 1938

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	974	134.65
Received during month,	0	0.00
Total,	974	134.65
Sold during month,	24	2.65
On hand at close of month,	950	132.00

NON-GOVERNMENT PUBLICATIONS:

**"Portfolio on the National Park
and Monument System"**

On hand beginning of month,	None	\$0.00
Received during month,	30	15.00
Total,	30	15.00
Sold during month,	19	9.50
On hand at close of month,	11	5.50

Cash on hand beginning of month,	13.64
Sales during month,	12.15
Total,	25.79
Remitted during month,	11.39
Balance,	14.40

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park. Month of October, 1938

	THIS YEAR	LAST YEAR
Park revenue on hand beginning of month.....	0.00	0.00
Received.....	0.00	1.00
Total.....	0.00	1.00
Remitted.....	0.00	1.00
On hand close of month.....	0.00	0.00
Park revenues received this year to date.....	25.75	52.00
Park revenues received last year to date.....	52.00	173.50
Increase.....	-26.25	-121.50
Percent of increase.....	- .505	- .70

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of October, 1935

	THIS MONTH		THIS MONTH LAST YEAR	
	APPOINTED	NON-APPOINTED	APPOINTED	NON-APPOINTED
Number of employees beginning of month.....	21	0	15	0
Number of additions.....	0	0	0	0
Total.....	21	0	15	0
Number of separations.....	1	0	0	0
Number of employees close of month.....	20	0	15	0
Number of promotions during month.....	0	0	0	0
Aggregate amount of annual leave taken.....	36	0	31	0
Aggregate amount of sick leave taken.....	0	0	1	0
Aggregate amount of leave without pay.....	0	0	0	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Hawaii National Park for the month of October, 1938

G.P.O. 0-8542

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
526 Resurfacing two miles of main park highway at Kau (west) entrance (F.A.)	100	0	0	
527 Haleakala Road, stern damage repairs (F.A.)	100	0	10	

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REPORT OF CAMP DIRECTOR FRANK C. HUSTON, CCC HNP, BO PARK
SUPERINTENDENT EDWARD G. WINGATE, HAWAII NATIONAL PARK FOR
THE MONTH OF OCTOBER, 1938.

During the month we enrolled thirty-five new boys and discharged five, four secured outside employment and one promoted to assistant cook.

The health of the camp continues to be good. There were no accidents this month, but a loss of ten days from last month accidents. We had a loss of seventy man-days due to football.

There was one safety meeting of the entire camp. The safety engineer made a favorable report to the way safety regulations are maintained in this camp.

The project superintendent report showed a daily average of 122 enrollees released to him during the month of 21 working days making a total of 2567 man-days for the month.

JOB REPORT

217-P Telephone Line Maintenance:

Fifteen man-days used.

223-P Landscape Maintenance:

Work continued in several places in the park during the month.

227-P Road & Trail Maintenance:

120 man-days used on cleaning trails.

245-P Moving & Planting Trees, KMC:

Some work was done on this project to take care of the planting.

248-P Planting, Volcano House:

Work continues slowly on this project due to the shortage of plants and shrubs.

307 Landscaping, School Grounds:

302 man-days used on this project and will be completed next month.

- 2 -

3 308 Camp Construction and Construction of Personnel Cottages:

Cottage No. 4 has been completed and work on No. 3 is progressing nicely. The boys are getting more experience in the handling of tools and the proper method of arranging the work after it has been assigned to them by the foreman. On the following: hauling cement and lumber, carpentry, excavations, concreting and cesspool work 1203 man-days were used. Work continues on some nine or ten small projects.

We now have all our water tanks at Kilauea full for the first time.

The recreational activities continued football, basketball and we are starting an orchestra having purchased some musical instruments through the canteen.

Haleakala, Maui Stub Camp.

The mess hall is 90% completed and No. 3 barracks 85% completed. Foundation form for No. 4 barracks are set.

Mr. E. E. Tillett, Field Supervisor and Mr. Crosby, Associate Forester for the Island of Maui, visited this camp October 28th and highly complimented the work.

On October 24th, a serious accident occurred just outside the park on the territorial approach road in which 2 persons were killed and four badly injured. Enrollees from the Haleakala stub camp rendered valuable assistance in recovering the bodies and rendering first aid to the injured. The civilian car had plunged over a 500 foot cliff.

Respectfully submitted,

Frank C. Huston,
Camp Director, CCC HNP

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

November 3, 1938

The Superintendent,
Hawaii National Park,
Hawaii, T. H.

Dear Mr. Wingate:

The Chief Ranger's narrative report for October, 1938 follows:

000 General

The park played host to 500 Shriners and their friends October 21st, when the S.S. Lurline docked at Hilo for the day with a delegation of 250 California Shriners aboard. The party spent most of the day in the Park, being conducted through the various scenic spots by local friends and Shriners, and all enjoyed a lecture and motion picture at Uwekahuna Museum. The ranger division assisted by guiding and answering questions for the party at various places touched by the caravan of about 100 cars. Luncheon was served at the Volcano House where the guests were treated to Hawaiian music and dancing throughout the afternoon. *They were with us here*

020 General Weather Conditions *fine by 3 pm.*

Rainfall was light in this section of the park throughout the month and much excellent weather was enjoyed. Precipitation was inches in the headquarters area and 4.40 inches at the Mauna Loa, El. 6,600 rain gauge.

100 Administration

110 Status of Work

One new 5,000 gallon water tank was erected this month to supplement the one already in use for furnishing quarters #14, 52, 3, 4, 15, 17, 2 and the Park Office with water. This was done with the cooperation of the Park carpenter and supervision and CCC. Quarters #17, the CCC Camp Director's house was completed during the month and occupied. The grounds of this house

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were also landscaped. Quarters #~~5~~¹⁸ was a CCC project. The new Park gasoline powered wood saw was erected. Work was started on the new incinerator by CCC. Quarters #~~6~~¹⁹ under construction by CCC to house the CCC clerk and Quartermaster now has the roof completed, siding on and fireplace and chimney almost completed.

Due to the retirement of Park Foreman Craik, semi-skilled laborer Kawasaki is acting in his stead. All park work is current up to date.

120 Park Inspections

Daily patrols of roads, picnic and camp grounds and comfort stations were made by rangers throughout the month as well as regular inspections of CCC projects.

150 Equipment and Supplies

1 electric range and one refrigerator were received off surplus lists this month. Two small charcoal stoves were purchased and installed at Puu Ulaula Resthouse.

210 Maintenance

Work was started during the month repainting and repairing quarters #5 and #7 for future tenancy by new rangers. A new corrugated iron roof covering was placed on Dr. Jaggan's quarters and a roof was erected over the front porch of quarters #3. The Chain of Craters Road was temporarily repaired and opened October 10 to allow traffic to the Makaopuhi Crater end of the road. A CCC crew is maintaining the trails in the Kilauea and Chain of Craters areas. They are repairing the trail surface and clearing the vegetation.

Jaggan has no quarters

~~320 (See later)~~

410 Ranger, Naturalist and Guide Services

Scheduled and other park tours and movie illustrated lectures were conducted by the Ranger and Naturalist divisions throughout the month.

420 Museum Service

Two boxes of lava specimens were collected and shipped to the Hawaii Exposition Committee, Honolulu for display at the Hawaii exhibit of the Golden Gate International Exposition, San Francisco.

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530 Visitors

CCC Field Supervisor, E. E. Tillett spent several days in the Park as did Mr. George Armitage, Executive Secretary of Hawaii Tourist Bureau. The Park was visited during the month by Max Baer, Buddy Baer and Ancil Hoffman their manager. Bob Burns of Radio fame spent several hours in the Park. Mr. E. K. Fernandez, carnival man was a visitor. A Japanese acrobatic troupe also made a tour of the park. During the month, candidates for the coming election held rallies at the Volcano House, among them was Hon. Samuel Wilder King, Hawaii's delegate to Congress. 182 officers and men from ~~BB~~ Bombing Squadron, Pearl Harbor and a delegation of 50 dentists made tours of the park. VP-4-6-18

610 Police Protection

Five persons were warned for minor park violations during the month.

A safety meeting was held at the Park Headquarters on Oct. 28.

One fire hydrant was installed at the Superintendent's residence to cut down the length of hose-line to this building.

The fire fighting tools and equipment were checked and cleaned during the month.

Mr. David ^{J. Joseph} Caceres in charge of U.S. Public Health Service, Hilo, died during the month.

320 Cooperation with other agencies.

Permanent triangulation markers were installed at Puu Kama-kaia and Puu Ulaula by the Territorial Land Office.

Respectfully submitted,

Joseph H. Christ
Joseph H. Christ,
Chief Ranger.

Fire Protection
memo = from Washington, observing
Fire Prevention week. Was completed
with:

J.C.

10-23
(May 1929)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
----- NATIONAL PARK

FILE NO.

MONTHLY REPORT

SEPTEMBER 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

OFFICE OF THE SUPERINTENDENT

HAWAII

October 10, 1938

MEMORANDUM FOR THE DIRECTOR:

Following is the monthly report of activities for Hawaii National Park during September.

000 - General

With the taking over of the Dollar Steamship lines by the Maritime Commission steps are being taken by the Hilo Chamber of Commerce and other business institutions on this island to have Hilo made a regular port of call for the Dollar steamers. Up until 1931 Hilo was a regular stop for many of the steamers coming from the mainland, but with the absorption of the Los Angeles Steamship Company by the Matson Line, Hilo was taken off the regular run, and since that time the only passenger steamers ^{that} have been calling at this port have been three or four round-the-world ships each year.

The "incident" of August 1 (when sympathizers of striking Inter-Island Steam Navigation Company's crews attempted to prevent unloading of one of the steamers at Hilo, and were fired on by members of the Hilo police department) was made the subject of a complete and thorough investigation by the Territorial Attorney General, and the grand jury. After 9 days of hearings and examining of witnesses the grand jury's decision was inconclusive. The report of the hearings was forwarded Governor Poindexter in Washington, who is reported to have discussed it with the Secretary, Dr. Gruening and CIO officials and the incident is reported to be taken up by the LaFollette Civil Liberties Committee.

On the 21st one of the Honolulu papers carried an article to the effect that the Navy and Park Service were to jointly administer Palmyra island, which island was the subject of a separate report to your office this spring. However, we have had no official notification of this.

080 - General Weather Conditions

Precipitation at headquarters amounted to 2.9 inches and at Haleakala .50 inch, with maximum wind velocity at headquarters 22 mph on the 16th and at Haleakala 21 mph on the 7th. Maximum and minimum temperatures at headquarters were 76° and 53° on the 30th and 22nd respectively.

100 - Administration

110 - Status of Work

The services of Miss Margaret English, who had been serving as temporary clerk-telephone operator, were terminated close of the 15th.

120 - Inspections by:

121 - Park Superintendent: He returned from an inspection trip on the island of Maui on the 3rd, and spent the balance of the month inspecting routine CCC and park jobs around headquarters and on office work. On Friday September 30, he talked to the CCC enrollees on sanitation and personal cleanliness.

130 - Finance and Accounts

A detailed report is attached.

150 - Equipment and Supplies

Four 30 mi. Springfield Army rifles were received from the War Department on loan, together with 2000 rounds of ammunition.

160 - Status of Alienated Lands

The Territorial Board of Land Appraisers for this island completed appraisal of the privately owned lands in the Kalapana and Footprint areas during the month.

170 - Maps, Plans and Surveys

Engineer Y.S. Wong, CCC, worked on revision of the masterplan sheets and information requested by Region IV on the Footprint area boundary.

180 - Circulars, Placards, Publicity Bulletins, etc.

Press bulletins concerning the completion of the appraisal by the Board of Land Appraisers for this island, the addition of Dr. Howard A Powers to the ranger staff, the killing of vegetation by increased ground heat in the vicinity of Pauahi crater and the misuse by campers of the cabins in Haleakala crater were issued, copies of which are attached.

Copy of general office order no. 56, naming the members of the safety committee is attached.

On September 28 the Honolulu Star-Bulletin gave the lead editorial to the US Travel Bureau.

200 - Maintenance, Improvements and New Construction

230 - New Construction

One of the sets of quarters constructed by the CCC was completed during the month

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

A very successful dance was held at the Volcano House on the 24th with the orchestra from the Royal Hawaiian hotel in Honolulu furnishing the music. They also played for a dinner dance at the Hilo Hotel the following Saturday night.

320 - Cooperating Governmental Agencies

Word was received from the Civil Service Commission office in Honolulu that an examination had been announced to fill the position of junior park warden in this park, closing date for which would be the 28th. Because so many boys who lived in the country and who had no chance to get their applications in to Honolulu by that date, this office requested that the closing date be extended 10 days or so. The Commission very kindly complied, stating that the date had been extended to October 12.

Permanent triangulation station signals have been erected by the Territorial Land Office at Fm Huluhulu and Ohiakea.

350 - Donations

A case of rocks and minerals collected in this region some 75 years ago was loaned to the park by Miss Evelyn Schoen of Hilo. Professor Carl Andrews of the University of Hawaii donated 22 back numbers of Thrums Hawaiian Annual to the park library.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Dr. Howard A. Powers entered on duty as ranger in the Haleakala section on the 7th. He was formerly with the US Geological Survey when that bureau operated the Volcano Observatory.

On the 12th Ranger Minter conducted a moonlight hike across Kilauea crater, with 13 persons in attendance.

420 - Museum Service

The revised museum plan for Hawaii National Park was mailed the Berkeley office during the month, for review before sending it to Washington for approval.

460 - Birds

A flock of 6 nene (Hawaiian goose) were seen by Assistant to the Superintendent B.F. Moomaw, Chief Ranger Christ and Ranger Minter on a trip to the 12,000 foot elevation on Mauna Loa.

480 - Natural Phenomena

A complete report of the activities of the Volcano Observatory is attached.

Dr. Stanley S. Ballard, Research Associate in Geophysics with the Park Service, who is connected with the University of Hawaii, visited the park between the 14th and 18th for the purpose of collecting gas samples and other projects in connection with the Volcano Observatory.

On September 26 while Ranger Minter was driving across the uncaved portion of the large crack in the Chain-of-Craters road near Pauahi crater a large hole about 3 feet in diameter and 20 feet deep opened up, causing one of the rear wheels on his car to drop into the hole.

On September 21 the Honolulu office of the Civil Service Commission was requested to establish a register for the new position of mechanic-instrument maker for this park, or to announce an examination.

500 - Use of Park Facilities by the Public510 - Increase or Decrease in Travel

There was a total of 14,549 visitors to the Kilauea section, and 3626 to the Haleakala section during the month, which was a decrease for both localities. The grand total for the travel year for Kilauea was 173,255 visitors and Haleakala 22,731. This was a decrease of 5953 for Kilauea and 937 for Haleakala. In accordance with instructions the travel figures were wired your office on the 30th. The decrease was largely due to the Inter-Island strike covering the four summer vacation months.

530 - Visitors and Special Parties

September 10 - Major General C.D. Herron, USA, was a visitor at the Haleakala section

" 23 - Marvin Jones, Chairman House Agricultural Committee and his sister, Mrs. Metze Neely, accompanied by Chauncey Wightman, of the Hawaiian Sugar Planters' Association, The superintendent had luncheon with them at the Volcano House.

September 23 - Admiral Charles A. Blakely, Chief Aircraft Scouting Force, for luncheon.

There were also 60 officers and men from the USS Beaver, and officers, cadets, and crew of the Japanese Government Training ship Shintoku Maru, who were taken on tours and given lectures at the museum.

600 - Protection

610 - Police Protection

It was necessary to warn four motorists against speeding in the park, and two soldiers were instructed to replace some fragments of nails which they had picked up.

620 - Fire Protection

A small forest fire, of approximately 1/4 acre was extinguished on the 19th at Kipuka Ki, in the giant koa area. Apparently this fire had been smoldering without being noticed since the 16th, when it had been set by carelessness of some CCC boys who were working nearby.

640 - Destruction of Predatory Animals

One hundred twenty six wild goats and 11 wild pigs were destroyed during the month.

900 - Miscellaneous

CCC - A detailed report of the activities of the CCC is attached. Clarence Underwood CCC chief clerk, entered on duty on the 1st under his new appointment as Chief Clerk-Quartermaster.

- - - -

A surprise party was given at the Volcano House on the 16th by park employees, local residents, and personnel of Kilauea Military Camp for Robert Craik, foreman, who is retiring after 30 years government service. He was presented with a very elegant poker set and Mrs. Craik also received a small gift. Though Mr. Craik is not due to retire officially until the close of October, he has been on annual leave since September 20.

Word has been received that Calvin Christ, son of the chief ranger, has been elected vice-president of his class at the Kamehameha School in Honolulu.

Mrs. Isidore Maggioros, daughter of George Lycurgus manager of the Volcano House, and her two children, returned to Greece on the 21st. Mrs. Maggioros had been visiting her father during the past year.

The attention of the Washington office was called, on September 30, to the failure of the Selecting Agency in the Territory of Hawaii to fill the quota in the national park ^{CCC} camp until after the quotas had been filled in all the territorial camps.

The local primary election for county and territorial offices to be held on October 1 is of interest on this island where a group of bi-partisan citizens of Japanese ancestry have organized a club for the express purpose of promoting the candidacy of four members of their race. This organization was given considerable publicity and is of interest in relation to the plea of Hawaii for statehood. Proponents of statehood and those who have interested themselves in Americanizing the numerous Japanese resident here have frequently held that this race did not and would not vote along racial lines. The superintendent believes that this movement does not have the full support of the Japanese community, but certainly it apparently has the support of large numbers of this race. The election returns will be watched with interest.

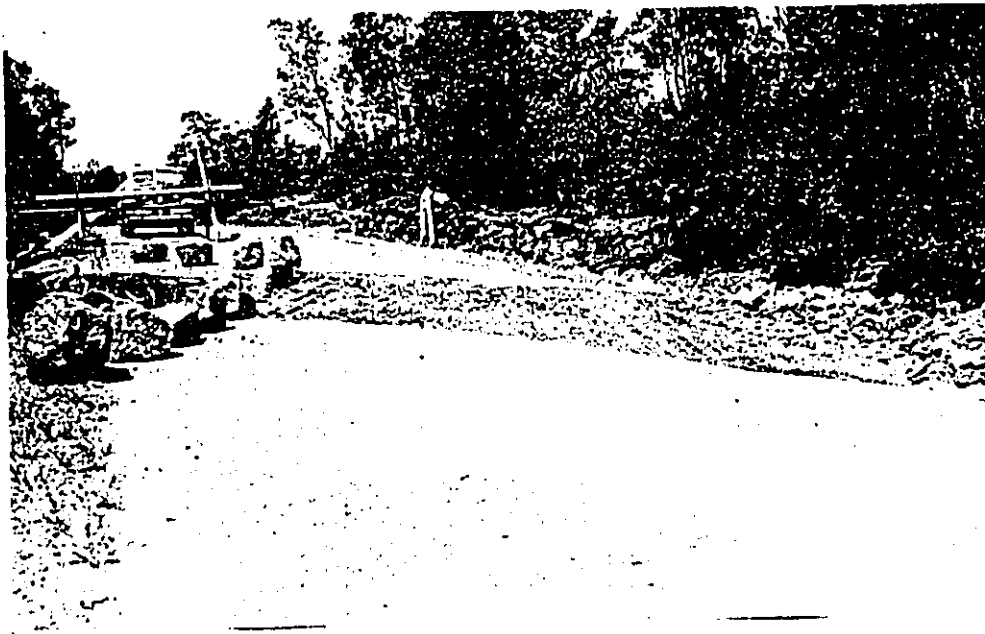
Respectfully submitted

Edward G. Wingate
Superintendent

CW



Hole that opened in Chain-of-Craters road near Pauahi crater underneath rear wheel of ranger's car as he drove over the spot.



Temporary repairs to earthquake crack in Chain-of-Craters road by CCC

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Landscaping at Kilauea Military Camp by CCC - showing transplanting of trees.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

October 7, 1938

Edward G. Wingate, Superintendent
Hawaii National Park

Subject: Report of the
Hawaiian Volcano Obser-
vatory, September 1938

Dear Mr. Wingate:

The month of September was marked by the coming to Hilo of United States Engineers to make survey of the proposed lava barriers and harbor improvements, and visits from Dr. Ballard for collecting gases, Dr. Karl Skottsberg to study increase of plants on historic lava flows, and Dr. Hance, Chief Chemist of Hawaiian Sugar Planters' Experiment Station, to study the presence of selenium at Kilauea.

Volcanic Activity of the Month

The first week produced slides on September 3, making a new talus at the north rim wall of Kilauea crater. The second week produced a few slides in Halemaumau. On September 15 a visit by the park staff to Mauna Loa showed recent disturbance of new cracks reported in July at 11,000 feet; the 1935 cone fumes and deposits sulphur. The week ending September 25 indicated movements along Chain-of-Craters rift with settlement of Pauahi pit rim and a new crack at Devils Throat. On September 26 the road surface at the large crack near Pauahi crater caved in more under the impact of a car.

The following are the local data for the month:

<u>Week Ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack Openings</u>	<u>Local Tremors and Quakes</u>
Sept. 4	4.25	1	1.5 mm	11
11	3.00	5	2.5 "	11
18	3.00	2	0.5 " closing	9
25	3.50	1	7.0 "	11
Oct. 2	3.75	0	5.5 " closing	12

An earthquake was felt at Kapapala and Pahala September 2, Mauna Loa shocks, in various parts of the island September 14, 16 and 18, one on September 24 felt in Pahala and one September 27 felt in Kona. Mauna Loa shocks were more conspicuous than those from Kilauea.

Work of the Volcanologist

For many mornings of the month Dr. Jaggar was able to give close attention to ~~the~~ drafting of maps and writing manuscript on the "Crater" monograph. On September 2 he prepared a brief manuscript embodying some additional comments on the proposed lava barriers, and he attended on September 3 a meeting at Hilo Chamber of Commerce called to receive the report of Major Bermel, United States Engineer's officer of Honolulu. This report stated that the Chief of Engineers in Washington had approved expenditure of money for an extended survey of proposed improvement of Hilo harbor and of the protection of Hilo from lava flow. Engineer Belcher was left in charge of the survey. The Volcanologist supplied this officer with some additional maps and documents.

On September 8 during a visit from Dr. Hance and Mr. Smith, who are studying soils, a conference was held on the subject of the possibility of using the spectroscope for the study of the absorption spectra produced by diffused volcanic gas over Kilauea crater. Volcanology is trying to discover an index of volcanicity. It is possible that the sensitiveness of the spectrograph might detect unusual quantities of certain elements by setting up an artificial light giving a continuous spectrum on one side of the crater, and photographing the absorption lines on the other side. Some time has been given during the month to the study of technical spectroscopy.

Dr. Karl Skottsberg arrived September 12 accompanied by Dr. Selling and Miss Cramwell. These are botanists and Dr. Skottsberg was here in 1926 when in cooperation with the Observatory, he represented the Bishop Museum to mark out with paint, squares ten meters on a side on the lava of fresh flows. Six such squares were marked in 1926 at Mauna Iki, at the 1920 lava flow below Mauna Iki, and at the Alike flow. We took Dr. Skottsberg to the Kau desert localities on September 15, and to the South Kona localities on September 16. In all six squares, changes in the plant population were discovered and measured.

Dr. Stanley Ballard, physicist of the University of Hawaii, arrived September 14 and continued his work collecting gases at sulphur bank laboratory. The staff of the Observatory was instructed how to make gas collection, with a view to systematic collection of gas samples by pumping once a month.

On recommendation by Dr. Ballard I have nominated Dr. J.K. Payne as chemist to the Kilauea Laboratory, as his work in analysis is a valuable adjunct to the spectrograph work done by Dr. Ballard at the chemical laboratory of the Sugar Planters' Association.

During Dr. Ballard's stay further discussion of the absorption spectra of gases in air was held and a small spectrograph has been ordered for the Observatory. Dr. Ballard carried back to Dr. Hance in Honolulu two specimens to be tested for selenium. These specimens were collected in 1920 and 1919 at the Red Solfatara and the Postcard crack respectively, both of them adjacent to flame holes where hot lava came out. They showed sulphur with bright red droplets. Dr. Hance reports 800 parts per million of selenium in the Red Solfatara sample, and 1500 parts per million of selenium in the Postcard crack sample. The subject of selenium poisoning of the soil with reference to cattle feed is being specially investigated by the Department of Agriculture, and the specimens obtained by the Observatory may throw important light on this question.

On September 21 and thereafter a report was prepared for Dr. Howel Williams who has the task of writing the history of volcanology for the 50 years preceding 1938 for the Semicentennial Anniversary of the Geological Society of America. Dr. Williams asked me to report on new techniques on the mechanism of volcanic action and on the theory of volcanic energy. I sent him a report of 10 pages.

On September 26 a letter from Dr. Immanuel Friedlaender of Rigistrasse 51, Zurich, Switzerland described a distressing situation affecting himself as founder of the Research Laboratory and Volcanological Review in Naples Italy, and his son-in-law, Dr. S. Laufer, a heart specialist and research investigator of the University of Naples. These men are Jews and have been required to leave Italy. Both are distinguished research scientists, and Dr. Friedlaender, who has some wealth, has given his life and fortune to the Laboratory and the Review in Naples. The Volcanological Review, with articles in several languages, is the best and the most elaborately illustrated volcano research journal, and has been publishing articles and promoting expeditions dealing with volcanoes all over the world for a quarter of a century. Dr. Friedlaender's brother studied Mauna Loa in 1895, and Dr. Friedlaender himself has been in Hawaii and formerly owned coffee lands in Kona. He is an old man and his record of investigation and publication of volcanic research is of the best. He writes me particularly on behalf of his physiologist son-in-law, and his daughter. He says "as the outlook in Europe is very dark I am considering leaving Switzerland myself in case my son-in-law and daughter may be permitted to go to any place possible for my wife, and giving me a chance of some activity."

This combination of Dr. Friedlaender, distinguished German-Jewish volcanologist, and Dr. Laufer, skilled, younger Austrian-Jewish heart specialist both with long lists of scientific publications to their credit in Germany and Italy is an illustration of direct appeal of

fugitive Jews to American science, and of the highest quality. The only possibility of immigration for Dr. Laufer would be a call from a hospital, medical school or research institute within the United States. I have copies of Dr. Laufer's credentials his record and his list of publications, and he might be a very valuable acquisition for the United States Public Health Service. I bring this to your notice for transmission to Washington, because the record of this instance of anti-Semitism ought to be on file in the proper division of the administration.

Work of the Assistant Geologist

Mr. H.H. Waesche has directed the field routine of the Observatory, plotted earthquakes for 1938 on the map of Hawaii, worked up the record of about 75 unusual earthquakes of August 8 to 9, and brought all the earthquake data of the record book upto date.

He has examined conditions of recent motions along Chain-of-Craters road once a week. The earthquake record for the Volcano Letter is complete to the end of August. He has an article in preparation on his trip to the South Seas when Hawaiian-type seismoscopes were placed on Jarvis and Canton Islands. He assisted Dr. Ballard with gas collection and held conference with the mechanics on the Mauna Loa seismograph now being assembled and improved in the shop. He ran September levels from Spit benchmark to NW pit benchmark and checked the same. And he had the task of conducting approximately 20 visitors through the laboratory.

Work of the Assistants

S. Sato has continued his very fundamental work for the University and the Hawaiian Volcano Research Association, at the Observatory in acting as secretary and typist for the Volcanologist, classifying the cuts stored in the University building, continuing the laborious work of extending the card catalog of books, pamphlets, clippings, negatives and periodicals and he has assisted with the Observatory routine as required.

H. Yasunaka and A. Okuda have continued work on an Hawaiian-type seismograph for the new cellar at the end of the Mauna Loa road. This instrument will possess a longer drum so as to operate without visitation several days, and the adjustments by thumbscrews, recovery springs and rack-and-pinion will make the instrument capable of greater precision and ease of handling than has been possible in the older models. These men carried on their usual routine duties, Yasunaka assisted with the work required for the botanical rock squares visited by Dr. Skottsberg and both took part in the gas collection work and construction needed at the sulphur bank by the new routine established by Dr. Ballard.

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Publications and Visitors

The Volcano Letter is printed to May, 1933, inclusive, and the manuscript of June has gone to the printers. Visitors were:

Professor Stockdale, Ohio State University
Professor Felix Bloch, Stanford University
Captain and Mrs. Chapman, US Army Medical Corps
Mr. Hyberly, US Customs Service
Professor Gilbert, Rham, Fribourg, Switzerland
Dr. Skottsberg, Gotteborg, Sweden
Dr. Olof H. Selling, University of Stockholm
Miss Lucy Cramwell, Auckland Museum, New Zealand
Dr. Francis Hance, HSPA, Honolulu

Very respectfully



T.A. Jaggar
Volcanologist

Report of Camp Director, CCC HNP, to the Park Superintendent,
Hawaii National Park, for the Month of September, 1938.

During this month we enrolled twelve new boys and discharged seventeen, two who secured permanent employment, fourteen whose term of enrollment expired and one was given an administrative discharge for refusal to work. A very small percentage of boys left camp at the end of this period, showing that they are satisfied with camp life.

The health of the camp continues to be good. There were three minor accidents with a loss of 28 man-days.

There was one safety meeting of the entire camp. A close watch is maintained to see that safety regulations are carried out on all projects.

The Project Superintendent's report showed a daily average of 120 enrollees released to him during the month of 22 working days, making a total of 2634 man-days for the month.

JOB REPORT:

359-P Landscaping, Employees Yards:

Landscaping of the Superintendent's residence was finished during the month.

245-P Landscaping, Undiff., EMC:

The planting at the Kilanea Military Camp is 95% completed. Eight large Mamani trees were moved from Kapapala and set out.

252-P Tree Preservation:

The drive on goats was finished for this time.

307 Landscaping, School Grounds:

Landscaping and clearing continued on this project during the month.

308 Camp Construction & Construction of Personnel Residences:

Residence No. 4 is 97% complete. Carpenter work on residence No. 3 is underway and forms for residence No. 5 has been started.

Haleakala, Maui - Sub-Camp:

No. 2 barracks was finished and No. 3 well underway.

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- 2 -

The new water pump has been installed in camp and delivers water better than specifications call for. All lockers in the barracks are now air conditioned. A five foot urinal is now in both latrines.

The recreational activities, especially football continued very active.

Respectfully submitted,

Frank C. Huston
Frank C. Huston
Camp Director, CCC HNP

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STATISTICAL REPORT NO. 8

Finance and Accounts

September 1938

<u>Symbol</u>	<u>Appropriation</u>	<u>Allotted</u>	<u>Expended Obligated</u>	<u>Balance</u>
1491000	National Park Service 1939	\$55,100.00	\$48,744.22	\$6,355.78
148/9100	National Park Service 1938-39	300.00	—	300.00
1481000	National Park Service 1938	49,432.00	49,365.66	66.34
1481000	National Park Service 1938(FPPF)	360.00	359.73	.27
1471000	National Park Service 1937	44,500.00	44,016.56	483.44
14-1010	Roads & Trails, National Park Service	32,400.00	31,418.45	981.55
14-1130	Roads & Trails, National Parks, Emergency Construction	40,870.65	40,728.90	141.75
14-443/90634	H.I.R., Interior, National Park Service, 1933-39	12,278.56	12,273.56	5.00

10-158
December 1934

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

~~Hawaii~~ National Park for the month of ~~September, 1934~~ 6-9503

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
526 Resurfacing two miles of main park highway at Kaa (west) entrance (FA)	100	0	0	
527 Haleakala Road, storm damage repairs (FA)	100	10	30	

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

(Kilauea Section)
Hawaii

TRAVEL REPORT

National Park for the month of September, 1933

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						

Persons entering via motor vehicles,	13,669	160,665	13,488	167,710	-7045	.042
Persons entering via other private transportation,	299	4,073	399	3,498	575	.167
Total persons entering via private transportation,	13,968	164,738	13,887	171,208	-6470	.038

OTHER TRANSPORTATION:

Persons entering via stages ^{hotels} stages,	581	8,517	608	8,000	517	.065
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	581	8,517	608	8,000	517	.065
GRAND TOTAL ALL VISITORS,	14,549	173,255	14,495	179,208	-5953	.033

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Haleakala Section, Hawaii National Park for the month of September, 1933

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
<u>PRIVATE TRANSPORTATION:</u>						
Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	718	4521	366	4713	192	4 decrease
Persons entering via motor vehicles,	3626	22731	1830	23668	937	5 "
Persons entering via other private transportation,						
Total persons entering via private transportation,	3626	22731	1830	23668	937	5 "
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	3626	22731	1830	23668	937	5 "

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month,				
Campers in public camps during month,				

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park. Month of September, 1935

	THIS YEAR	LAST YEAR
Park revenue on hand beginning of month.....	0.00	0.00
Received.....	.75	0.00
Total.....	.75	0.00
Remitted.....	.75	0.00
On hand close of month.....	0.00	0.00
Park revenues received this year to date.....	25.75	51.00
Park revenues received last year to date.....	51.00	167.50
PERCENT Decrease	25.25	116.50
Percent of REVENUE Decrease.....	.495	.695

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

September, 1938

REPORT OF SALES OF PUBLICATIONS

HAWAII NATIONAL PARK

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	1,018	140.20
Received during month,	0	0.00
Total,	1,018	140.20
Sold during month,	44	5.55
On hand at close of month,	974	134.65

NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,	12.12
Sales during month,	5.55
Total,	17.67
Remitted during month,	4.03
Balance,	13.64

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

REGULAR

Hawaii National Park for the Month of September, 1935

	THIS MONTH		THIS MONTH LAST YEAR	
	APPOINTED	NON-APPOINTED	APPOINTED	NON-APPOINTED
Number of employees beginning of month.....	22	3	23	5
Number of additions.....	1	0	1	0
Total.....	23	3	24	5
Number of separations.....	2	3	6	5
Number of employees close of month.....	21	0	18	0
Number of promotions during month.....	0	0	0	0
Aggregate amount of annual leave taken.....	26 ¹³ ₁₆	0	57 ¹ ₂	0
Aggregate amount of sick leave taken.....	15 ¹ ₂	0	1	0
Aggregate amount of leave without pay.....	0	0	0	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

PRESS MEMORANDUM
FOR IMMEDIATE RELEASE

Edward G. Wingate, Supt.

Hawaii National Park, September 00 - Preliminary findings of the study that has been going on for several months in the Kilauea section of Hawaii National Park were announced today by Edward G. Wingate, park superintendent. Last May in one of the less frequented sections of the Chain-of-Craters area Chief Ranger Joseph H. Christ discovered approximately 15 acres of dead and dying vegetation, examination of which showed no insect or disease infestation. Further investigation showed this forest cover was being killed by heat, which was rising from the southeast rift zone of Kilauea volcano.

To determine the degree of heat and its effect on the life of the forest cover temperature stations were located in the center of this spot and running in a southerly direction in to the unharmed forest in order to ascertain what temperature would kill the plants and further to study the possible spread of this area of hot ground. Two check stations were established, one about a half mile away and another approximately 2 miles away in areas that were known definitely to be no hotter than the normal ground temperature in the Chain-of-Craters region. This ground temperature was found to be 67°F. and has not varied since the study was initiated. In the area itself the following was found to be true: Where temperatures do not exceed 80°F. no dead vegetation has been observed; at 90° the larger aalii is dead or dying; ohia lehua is killed between temperatures of 90 and 110° and amaumau ferns begin to die around 120°; while above 140° nothing but a very few small aalii, the sword-fern and some grasses and sedges continue to live. The highest temperatures recorded are at the center and beside one of the steam vents it has not varied from 182°F.

This study is to be continued for some months or longer to determine whether this area is spreading, cooling or remaining constant.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

PRESS MEMORANDUM
FOR IMMEDIATE RELEASE

Edward G. Wingate, Superintendent

Approval by the Secretary of the Interior of the appointment of Dr. Howard A. Powers as park ranger in the Haleakala section of Hawaii National Park was announced at the office of the park superintendent September 6. Gratification over the appointment was expressed by the superintendent, who said it brings to the Park Service a thoroughly trained geologist to work in the interesting Haleakala crater region and to advise the staff on problems at Kilauea, besides providing District Ranger J.A. Peck with badly needed assistance.

Born in Huron South Dakota, in 1904, Dr. Powers, after attending elementary schools in that state, received the degrees of Bachelor of Science in 1924 from South Dakota State College, Master of Arts in 1926 from the University of Oregon and Doctor of Philosophy in 1929 from Harvard University.

Dr. Powers arrived in Hawaii in July 1929 and for three years was stationed at the Hawaiian Volcano Observatory as Assistant Geologist following which he transferred to the Ground Water Division of the US Geological Survey and was engaged in studying the ground water resources of Maui until September 1934. From 1934 to March 1938 he was employed by the County of Maui as supervisor of development of domestic water systems.

Because of his familiarity with the island and his broad educational training Dr. Powers is peculiarly well equipped to advise on and put into effect the park's public information program at Haleakala. The appointment is effective upon his entrance on duty.

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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

PRIME MEMORANDUM FOR MAUI NEWSPAPERS
FOR IMMEDIATE RELEASE

Edward C. Wingate, Superintendent

Following an inspection trip of the Haleakala section Park Superintendent Wingate expressed keen disappointment over the manner in which some of the campers had been misusing the public shelters erected by the DNR in the crater. He stated that the Kapalua shelter in particular was found in a disgraceful condition, with dirt and grass deep on the floor, furniture, kitchen cupboards, and stove. Dirty utensils and dishes were scattered about and though a refuse pit had been provided, a few ^{stumps} from the shelter, such rubbish as had been removed from the building had been thrown on the ground and in the shrubbery, littering up the premises. Both the building and adjacent grounds were in an unsightly and unsanitary condition.

The superintendent stated that these shelters had been erected for the convenience of the public at considerable expense to the government and the public was expected to observe ordinary decency in their use.

Before leaving Maui he advised that District Ranger Peck had been instructed to post in the cabins regulations regarding their use and to strictly enforce observance of them. Legislation enacted during the last session of Congress empowers the US Commissioner in Hailuku to handle cases arising in the Haleakala section of the park and Ranger Peck was advised to bring offenders of the park regulations before him immediately. The punishment for the destruction, injury defacement or disturbance of any public building, signs, equipment, etc., may be a fine of not more than \$500 or imprisonment for not exceeding six months, or both.

The superintendent regretted that it was necessary to call the attention of the public to this condition as the residents of Maui had always fully cooperated with the park administration in maintaining the Haleakala section, but the continuance of such misuse of the cabins by a small element in the population might result in making it necessary to close the cabins entirely.

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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

June 18, 1938

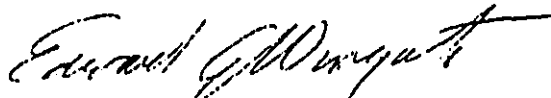
GENERAL OFFICE ORDER NO. 56

Subject: Safety Committee

In accordance with recent instructions from the Washington Office the following Safety Committee is appointed:

Asst. to Superintendent Benjamin F. Moomaw, Jr.
Chief Ranger Joseph H. Christ
Asst. Park Naturalist Samuel H. Lamb
Project Superintendent (CCC)
Park Mechanic Chisato Fujimoto

The committee will make a study of the accident experience of this Park with particular reference to causes; investigate all future accidents and study ways and means to reduce the number of future accidents.


Edward G. Wingate,
Superintendent.

Distribution:
Director - 2
Superintendent
Asst. to Supt.
Chief Clerk
Chief Ranger
Asst. Park Naturalist
Project Supt. (CCC)
Park Mechanic
Monthly Report - 7
File

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

June 18, 1938

MEMORANDUM TO ALL EMPLOYEES

In a recent Memorandum from the Director to all National Park Service Field Offices, we were requested to call all employees' attention to the fact that there are some jobs in which all safety factors are not considered.

It is the Director's desire that on all work, each employee be as careful as possible and to be constantly on the lookout for practices and conditions and equipment that are not safe; in view of keeping accidents to the lowest possible figure.

Accidents are not only costly to all parties concerned but are demoralizing, painful and sometimes fatal to the individuals, and they upset the efficiency of the organization.

A study of the accident records of the regular and temporary employees of this Park for the calendar year 1937, shows that of all the accidents recorded, each one could have been prevented if the employees concerned had taken the proper precautions prior to starting work.

It is a known fact that by far the major portion of all accidents involving personnel only are caused by either ignorance or carelessness or both. While accidents involving both personnel and equipment are not necessarily caused by those factors, inspection of national records will show these causes to be the major factors responsible.

In the future BE CAREFUL, see that all proper precautions are taken before starting work, and then see that they are maintained throughout the operation. Do not let inexperienced operators handle equipment as a practice, and when new equipment operators are being trained have an experienced operator standing by in attention as an instructor.

Any suggestions that anyone in the Park has for safer working, recreational, or living conditions, please make them, in writing, for then we have a permanent record but they may not necessarily have to be signed, although these suggestions naturally carry more weight when signed.

All employees are expected to cooperate in this matter, as the Service is vitally interested in reducing the number of injuries to employees.

Distribution:

Director - 2
Superintendent
Asst. to Supt.
Chief Clerk
Principal Scientist
Asst. Geologist
Asst. Naturalist
Chief Ranger
District Ranger
Ranger Olson
Ranger Minter
Foreman Craik
Mechanic
Storekeeper
Each laborer - 3
CCC - 5
Monthly Report - 7

Edward G. Wingate
Edward G. Wingate,
Superintendent.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII


Wailuku, Maui
September 30, 1938

MEMORANDUM FOR SUPERINTENDENT WINGATE,
Thru Office of the Chief Ranger:

Check of travel shows 718 cars and 3626 people were in the Haleakala Section during this month; an increase of 3% over the record for last month.

One barrack building and the mess hall for the CCC camp are completed and a second barrack building is approximately 80% completed. One water tank is installed. No pipe connections have been made because thread cutters have not yet arrived.

The narrative, rangers, weather, monthly and half monthly reports are enclosed.


J. A. Peck,
District Ranger

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
September 30, 1938

MEMORANDUM FOR SUPERINTENDENT WINGATE:

The following report for the Haleakala Section for the month of September, 1938 is respectfully submitted:

000 General.

010 Introduction.

Ranger H. A. Powers has been of great assistance in the administration of this section since his entrance on duty September 9. He is a very efficient worker.

020 General Weather Conditions.

Rainfall amounted to .50 of an inch this month. The prevailing wind direction was from the northeast. There were 11 clear days during this month.

100 Administration.

120 Park Inspections by

121 Superintendents

Edward G. Wingate inspected the Haleakala Section September 1 and 2.

150 Equipment and Supplies.

One truck for the CCC and an electric light plant received September 1.

200 Maintenance, Improvements and New Construction.

220 Improvements.

Approximately 300 feet of drainways along the road were enlarged this month, to carry more water.

230 New Construction.

One barrack building and the mess hall for the CCC camp are completed and one water tank installed. Another barrack building is approximately 80% completed.

500 Use of Park Facilities by the Public.

510 Increase or decrease in Travel.

718 cars and 3626 people were in the Haleakala Section during this month. An increase of 3% over the record for last month is shown.

530 Visitors.

Major General C. D. Herron of the U. S. Army, Fort Shafter, Hawaii, visited this section September 10 and 11. Very much interested in the silver-sword plants.


V. A. Peck.
District Ranger

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

October 5, 1938

The Superintendent,
Hawaii National Park,
Hawaii, T.H.

Dear Mr. Wingate:

Narrative report for the Ranger Division for the month of
September, 1938, follows:

000 General.

010. A hole about 3 feet in diameter opened in the road at
the large crack at Pauahi Crater, September 26. This hole opened as Ranger
Minter was crossing the area in patrol car #1164. Considerable sliding and
cracking of the rim at Devil's Throat took place during the month.

020. General Weather Conditions. Weather during the month
was moderately fair but with frequent showers. Precipitation at the Mauna
Loa station at El. 6700 was 1.98 inches and 2.93 inches at the Headquarters
station.

100 Administration.

110 Status of work. All work was kept current during the month.

120 Park Inspections. Daily patrols of roads, camps and picnic
grounds within the park were made by rangers during the month.

Regular inspections were made of all projects in progress.

An inspection was made of the Mauna Loa Trail and the 1935
eruption source cone, September 25, by Asst. to Supt. Moomaw, Ranger Minter
and myself.

150 Equipment and Supplies. Four 30 mi. Springfield Army
Rifles and 2,000 rounds ammunition were received during the month.

170 Plans, Maps and Surveys. A survey was made of the new
hot soil and steam area south of Puhimau Crater. Eleven stations were
established along the edge of the dead forest and a map was made of the area.

300 Activities of Other Agencies in the Park.

320 Cooperating Government Agencies. Permanent triangulation
stations were erected at Puu Huluhulu and Ohaieka by the Territorial Land
Office.

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Chief Ranger's Monthly Narrative Report Continued:

400 Flora, Fauna & Natural Phenomena.

410 Ranger, Naturalist and Guide Service. The rangers continued to conduct all regular and special park tours for visitors with the cooperation of the naturalist division.

460 Birds. A flock of 6 nene geese were seen by Mr. Moomaw, Mr. Minter and myself, September 15, while on a trip to el. 12,000, on Mauna Loa.

490 Natural Phenomena. Reported under #010.

530 Visitors. 60 officers and men of the USS Beaver were conducted on a tour of the park September 20.

610 Police Protection. Four speeders were warned during the month and two soldiers were instructed to replace some fragments of nails which they had picked up.

Ten motor car assists were given park visitors by rangers during the month.

Some CCC boys were caught scattering paper along the road near Steaming Bluff. Proper action was taken and the paper was later picked up.

620 Fire Protection. A small forest fire was extinguished September 19 in the Giant Koa area. This fire had been smoldering without being seen since Sept 16, when it had been set by carelessness of some CCC boys who were working nearby. The fire burned over an area of 1/4 acre.

Two fire prevention talks were given at the CCC camp this month by the undersigned.

650 Signs. Work on replacing and repainting signs was carried out during the month by the rangers.

640 Destruction of Predatory animals. 126 wild goats and 11 wild pigs were destroyed during the month.

660 Sanitation. Attention is again called to the need of toilet facilities at the el. 6700 end of Mauna Loa Truck Trail for the visitors on the Sunday conducted tours.

The gutters of park buildings were cleaned of accumulated leaves by park laborers this month.

Respectfully submitted,

Joseph H. Christ
Joseph H. Christ,
Chief Ranger.

wanted to see a

John's? of course on. Is that where they go when on leave? EFW

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10-23
(May 1929)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii NATIONAL PARK

FILE NO.

MONTHLY REPORT
AUGUST 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

September 10, 1938

MEMORANDUM FOR THE DIRECTOR:

There follows the report of activities for the month of August, for Hawaii National Park.

000 - General

The event of most importance to the park and the islands of Hawaii and Maui was the conclusion on August 13th of the Inter-Island shipping strike, which commenced in May. While eventually terminating peacefully enough, in attempting to break the strike at the request of the Hilo people, the Inter-Island sent one of its ships into Hilo precipitating a considerable demonstration by local unionists and friends which might have reached riot proportions but for action by the local police who, firing buckshot low into the crowd forcing its way to the ship, managed to disperse it with relatively few serious injuries. Should the crowd have reached the ship considerable bloodshed would probably have occurred as passengers from the ship stated that the crew was armed with fire axes and had their hose-lines connected to the ship's boilers.

Another series of earthquakes in the Chain-of-Craters area began in the early morning of August 8. The bump which has been in evidence across the road near Devils Throat for the past year and which increased in the June activity, raised to a height of over 2 feet above the original road surface necessitating closing the road at this point. A crack about 8 inches wide opened near this point at the same time, while another large crack opened across the road near the entrance of the Hilina Pali road and a smaller one opposite Hiiaka crater. Several others opened across the Hilina Pali road about a mile from the Chain-of-Craters road. There were approximately 323 earthquakes and tremors registered on the seismograph at the Volcano Observatory this same date.

020 - General Weather Conditions

Total rainfall at Kilauea headquarters area was 3.96 and at Haleakala 7.02 inches. Maximum temperature at headquarters was 78° and minimum 53°, while maximum wind velocity at Kilauea was 26 mph on the 12th and at Haleakala 15 mph on the 9th.

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100 - Administration

110 - Status of Work

All work was current at the end of the month. Barbara Smythe, who was employed temporarily as clerk, left on the 15th, and clerk-stenographer Constance Whitney returned to full time duty on the 16th.

120 - Park Inspections by:

121 - Superintendent: Frequent inspections of earthquake damage along the Chain-of-Craters road were made and one day was spent at the Hilina Fali section checking on the clean-up goat drives in progress. Until leaving for Maui on the 24th the superintendent was busy at headquarters completing work on the project construction program and the report on the proposed park extension on Kauai. He was on Maui from the 24th until the end of the month.

130 - Finance and Accounts

A detailed report is attached.

140 - Labor Situation

The Inter-Island shipping strike has been mentioned under "General." On August 14 Territorial Attorney General J.M. Hodgson came to this island to make a thorough investigation of the shooting by police at strikers and sympathizers at the wharf on August 1. His report is to be submitted to the Governor. Mr. Hodgson and his two assistants stayed at the Volcano House for 10 days while conducting the investigation.

160 - Status of Alienated Lands

The Board of Appraisers for the Island of Hawaii, composed of Messrs. Branco, Supe, Otani and Ludloff, were taken via horseback into the lower Keauhou district on the 28th by Assistant to the Superintendent Moomaw and Chief Ranger Christ. The purpose of the trip was to appraise the value of the privately owned property included in the Kalapana extension to the park.

170 - Plans, Maps and Surveys

The superintendent's report on the proposal to establish a park or monument on the Island of Kauai was mailed the Director on the 24th.

180 - Circulars, Placards, Publicity Bulletins, etc.

Copy for the new edition of the circular of general information was mailed on the 27th.

On August 9 the superintendent talked before the Kilauea Masonic Lodge in Hilo on the subject "Your National Parks, How to Use them and How to Enjoy them."

200 - Maintenance, Improvements and New Construction

230 - New Construction

One of the quarters being constructed by the CCC in the residential area was almost completed by the end of the month, and foundation poured and basement forms started on the second. The garage for the second house is completed.

The new project construction program was mailed on the 24th, and on the 30th, in response to radio request, a list of 8 construction projects for possible inclusion in a general physical improvement program appropriation was radioed to the Director.

260 - Landscape Work

Work on landscaping the grounds around the superintendent's residence was commenced by the CCC.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

Two very successful dances were held at the Volcano House on the 20th and 27th, with extraordinarily large attendance both times, due for the most part to the termination of the Inter-Island strike.

320 - Cooperating Governmental Agencies

At the request of the Civil Service Commission office in Honolulu, Constance Whitney, who is also secretary of the local board of Civil Service examiners, assisted in conducting an examination in Hilo on the 18th.

350 - Donations

The original working map made by Thomas E. Cook of Hilo, while surveying the area of the national park in 1910, was presented to the park by Mr. Cook. Professor Carl Andrews of the University of Hawaii also presented the park library with a number of back copies of Thrum's Annual.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Papers recommending the transfer and appointment respectively of P. Ernest Schulz and Arthur L. Jess as park rangers were submitted for approval. Seasonal Ranger Ralph K. Shaver left on the 31st.

460 - Birds

Coveys of quail were noted along the Mauna Loa truck trail, Hiline Pali road and Chain-of-Craters road. Quail were also seen at Kipuka Nene, Kipuka Pepeiau, Kipuka Bihopa and Kipuka Ahiu. The plovers have returned from their migration to Alaska, and were first noted on the 12th in the lower park area near the sea and the numbers have increased greatly to the end of the month. Five Koaes (white-tailed tropic birds) were noted on several successive days to frequent the shoreline and cliffs near Halape. A flock of Nio seabirds was seen near the water at Kalue on the 23rd.

480 - Natural Phenomena

Word was received that the appointment of Dr. T.A. Jaggard, Principal Scientist, was extended for one year effective August 1.

In addition to the earthquake activity mentioned under General, a large slide which was heard for a distance of over 2 miles occurred at the extreme west end of Panahi crater, 9:50 a.m. August 26.

The quakes of August 8 dislodged a quantity of rock from the roof of the Lava Tube and warning signs were erected at the entrance and exit.

A complete report of the activities of the Volcano Observatory is attached.

500 - Use of Park Facilities by the Public510 - Decrease or Increase in Travel

With the end of the Inter-Island shipping strike travel to both the Kilauea and Haleakala sections picked up considerably, showing that had there been no strike, this would have been an extremely busy summer. Total travel to Kilauea amounted to 15,242, as compared with 16,590 for 1937, and at Haleakala 3494 persons as compared with 3280 for the same time last year, an increase of 214 over August, 1937.

530 - Visitors and Special Parties

- August 2 - Mr. Frank C. Atherton, Chairman of the Board of Directors, Castle & Cook, Honolulu, overnight. The superintendent discussed Hawaiian Volcano Research Association problems, also the problem raised by Dr. Jaggard's retirement.
- 10 - Territorial Land Commissioner and Mrs. L.M. Whitehouse, Honolulu, for several days. The superintendent discussed land acquisition in the Kalapana area and the grazing problem in the Kapapala lands in the park.
- 15 - Territorial Senator Joseph Farrington and Mrs. Farrington, for the balance of the month. Mr. Farrington is also owner and manager of the Honolulu-Star Bulletin. The superintendent discussed the Kalapana addition and park publicity with him.

- August 21 - Mr. Walter S. Gifford and two sons, overnight. Mr. Gifford is president of the American Telephone & Telegraph Company
- 23 - Delegate Samuel W. King and H.K. Lewis, Comdr., USN, overnight, following a public dinner held in Mr. King's honor at the Hilo Hotel. This dinner was attended by Dr. Jagger, the superintendent, and Assistant to the Superintendent Moomaw. The superintendent also attended a similar public luncheon for Delegate King held at the Grand Hotel, Wailuku, Maui, August 30.
- 23 - Mr. and Mrs. J.D. LeCron of Washington DC. Mr. LeCron is one of the assistant secretaries of Agriculture. They were accompanied by their daughter and son-in-law, Mr. and Mrs. E.E. Jurs of Piedmont California, and Mr. LeCron's aunt, Miss Harriet D. Frazer of Indiana
- 27 - George Burns and Gracie Allen, for luncheon. They were shown the usual courtesies by the rangers.

Dr. Harold Stearns of the Ground Water Division, US Geological Survey in Honolulu, and his wife, who is also a geologist and writer, were visitors during the month, in addition to a Japanese music troupe, a Honolulu baseball team, 29 YMCA boys from both this island and Oahu, Boy and Girl Scouts and various other groups, all of whom were given lectures and taken on park tours by the ranger and naturalist divisions.

600 - Protection

610 - Police Protection

It was necessary to write the Commanding Officer of the 14th Naval District regarding the actions of some of the crew of the USS Beaver, while visiting the Haleakala section the latter part of July.

620 - Fire Protection

The annual report of inspection of fire hazards was mailed Washington on the 4th

640 - Destruction of Predatory Animals

One thousand eighty six ^{wild} goats were destroyed by drives held during the month, and 11 wild pigs were killed by park personnel under the supervision of the ranger division.

900 - Miscellaneous

CCC - A report of the CCC activities is attached

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The Hilo Chamber of Commerce adopted a resolution requesting the Maritime Commission to arrange to have ships for the re-organized Dollar Line call at the port of Hilo. Copies of this resolution were requested by this office and will be forwarded at a later date.

Respectfully submitted

Edward G. Wingate
Superintendent

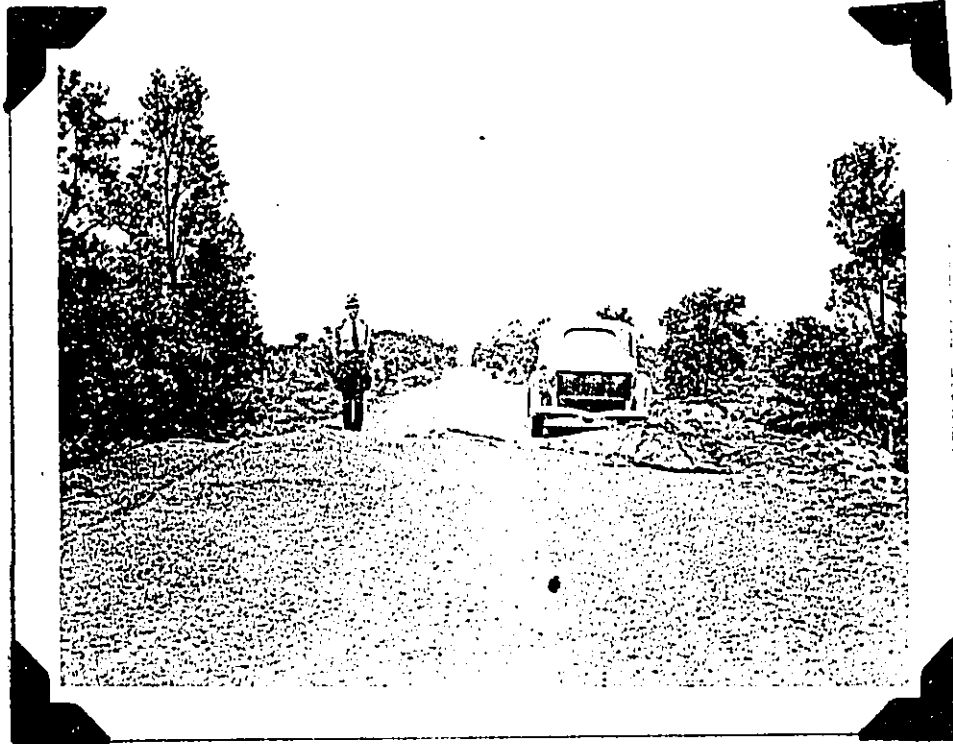
CW



No. 1 - View of hot spot in forest south of Chain-of-Craters road, which developed during past year. Note recently killed vegetation. Soil temperatures range from 80°F. to 182°F. within the area.

X

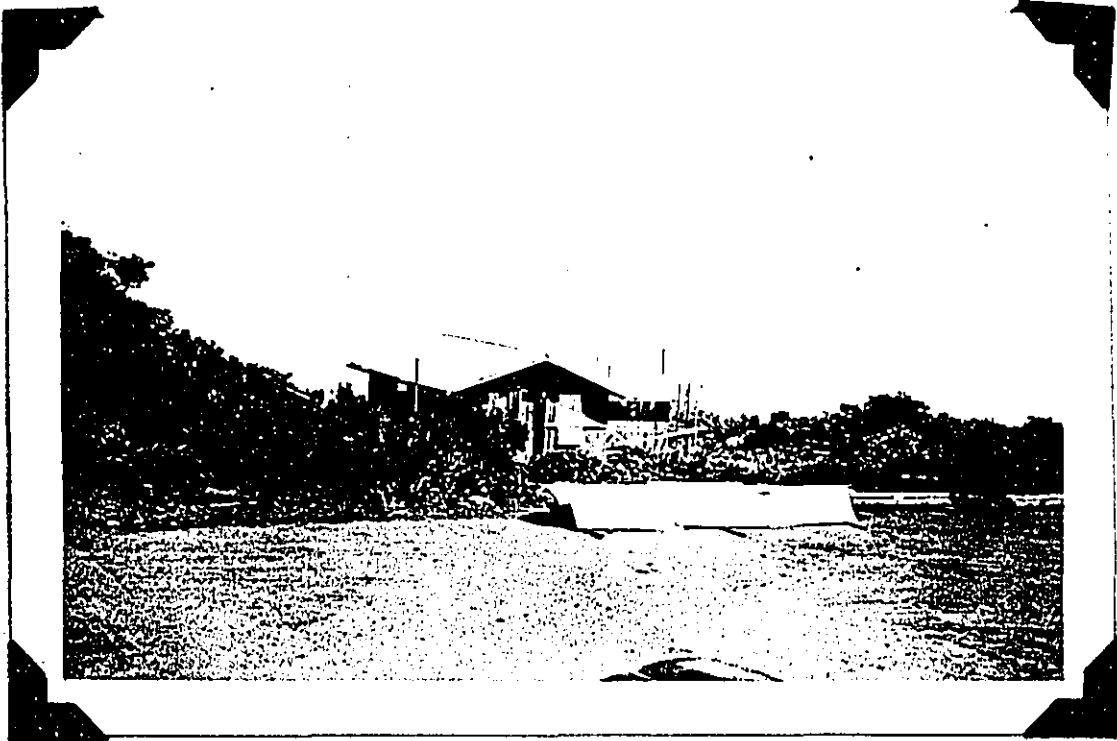
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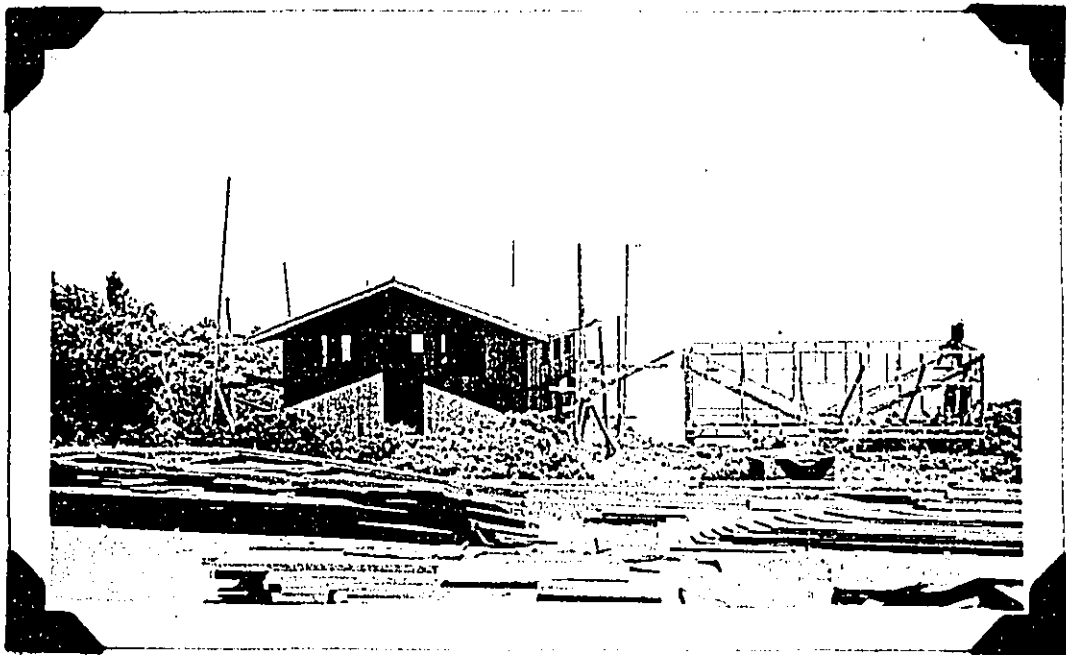
Nos. 2 and 3 - Two views along Chain-of-Craters road showing humping of road accelerated during spasm of earthquakes on August 8.

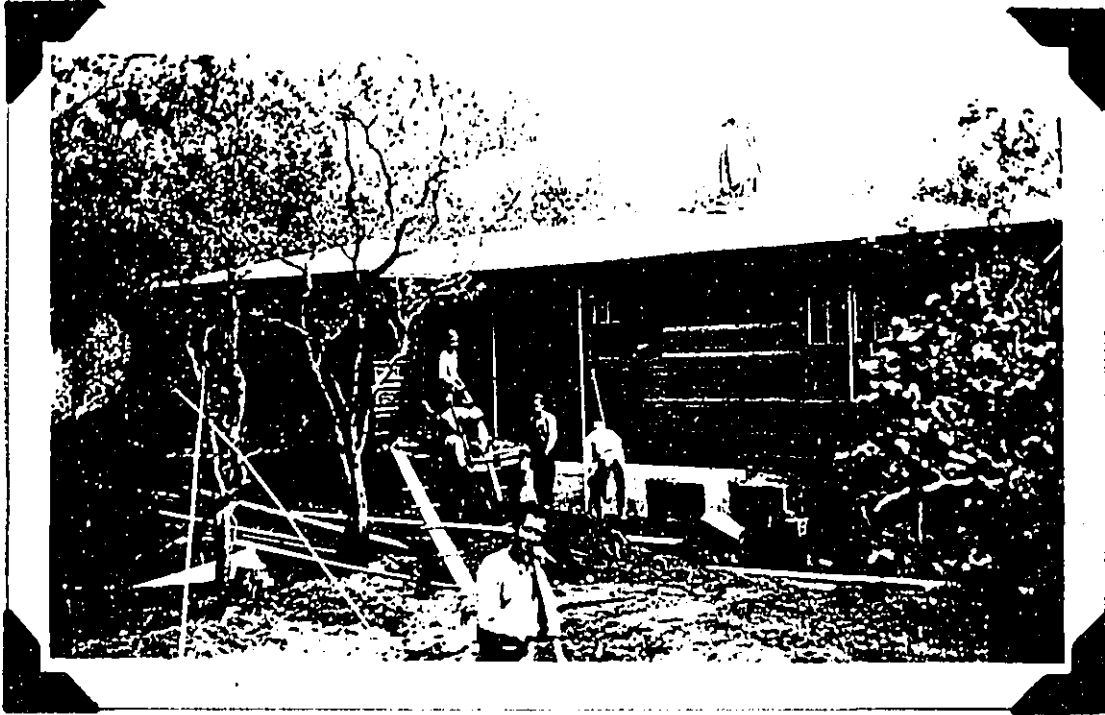


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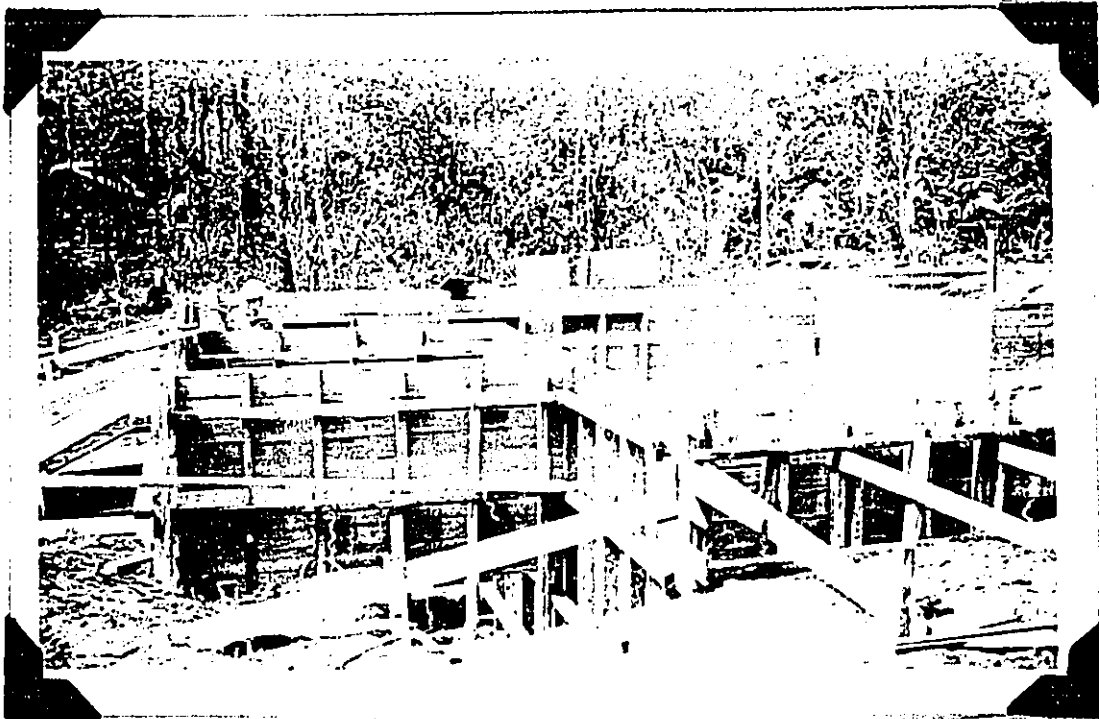


Nos. 4 and 5 - Showing progress of construction of portable camp buildings for 25-man CCC stub camp at Haleakala done entirely by enrollee labor.





No. 6 - One of five employees' quarters being constructed by CCC at Killisnoa section.



No. 7 - Basement forms for another employees' residence under construction by CCC

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

September 5, 1938

Edward G. Wingate, Superintendent
Hawaii National Park

Subject: Report of the Hawaiian
Volcano Observatory
August, 1938

Dear Mr. Wingate:

The routine of the Observatory was varied by numerous summer visitors, another seismic spasm on Chain-of-Craters road, installing crack measuring devices there, and the visit of Dr. Eller for two weeks on University of Hawaii research.

Volcanic activity of the month

The first week was uneventful; the second was excessively seismic and new cracks opened on Chain-of-Craters. The felt earthquakes were morning and forenoon August 8. Eight new cracks were between Devils Throat and Hiiaka and more elevation of road hump near Devils Throat. Most shocks were local, not felt in Hilo, but 11 shocks, August 8-10 were from Mauna Loa. More slides occurred in Devils Throat and Pauahi Pit. There were some slides in Halemanua. Cracks in road near Devils Throat opened 2.5 and 4.00 mm. August 10-12.

The following are the local data for the month:

<u>Week Ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack Openings</u>	<u>Quakes & Tremors</u>
Aug. 7	8.75	0	0.0 mm	26
14	482.50	5	7.0	454
21	8.25	0	1.0	24
28	3.00	0	5.0	11

The third week 2 Devils Throat cracks opened 7.5 mm., 2 of 3 cracks between Pauahi and Aloi pits opened 8.5 mm. The fourth week 3 of 7 cracks in Chain-of-Craters marked series opened: 1 at Devils Throat 1.0 mm. a half mile beyond Pauahi 16.0 mm.; 1 near Aloi closed 14.5 mm. Kilauea quakes sharply decreased after August 14, and all but 2 of the measured shocks showed Mauna Loa distances. A heavy slide from the west rim of Pauahi crater occurred August 26.

Work of the Volcanologist

Dr. Jagger was in Honolulu engaged with a class of 70 teachers in Summer Session of University of Hawaii until August 8, when he sailed on U.S.A. Transport "Frank" for Hilo.

He received extension appointment by Executive Order August 1 for one year. During recent months seismoscopes built in the Observatory shops have been placed at Waiohinu, Hilo and Waimea telephone exchanges, at Assistant Geologist Waesche's cottage, and at Kapapala Ranch. Between August 10 and 17 he prepared for printer April and May numbers of Volcano Letter.

For the remainder of the month he rehabilitated and used the University Building for steady work on the crater monograph and drafting Halemaumau maps, which must now be finished. The University of Hawaii and the Hawaiian Volcano Research Association will devote the next few years to printing Observatory records. Conferences were held with Superintendent Wingate, President Atherton and Senator Farrington during the month on this subject, and with Professor John Mason Young and Mr. G. Giacometti on the engineering aspects of the Hilo lava barriers, survey for which begins September 1 under U.S. Engineer Corps.

Work of the Assistant Geologist

Mr. H. H. Waesche did valuable work in assisting the volcanologist with the course in volcanology in Honolulu in July. On August 8 he inspected the broken fault blocks of Chain-of-Craters and installed a shock recorder at his house. The inspection was extended to Hilina Pali road August 9, and numerous new cracks were found adjacent to the cliff about 1 mile down the road. On August 10 seven crack-measuring stations were established in the Chain-of-Craters. August 15 and 16 Dr. Culver and Dr. Stearns were visitors. August 17 Mauna Loa seismograph station was visited with Dr. Eller. August 18 a conference was held in Hilo with Dr. Eller and Mr. Branch, head of the Hawaii Telephone Service, discussing telephone circuits for controlling seismograph service in the Park with one time regulator.

Routine seismogram readings involved more than 500 disturbances for August. June and July reports were brought up to date for Volcano Letter. Conferences with Dr. Eller concerned tiltmeters. At least 50 visitors came to the Observatory, requiring an hour each. Such visitation is unfavorable for scientific work. Mr. Waesche was in charge of the Observatory until August 9.

Work of Dr. Willard Eller

Professor Eller of the Physics Department of the University of Hawaii was at the Observatory August 8-21. He reconstructed the Eller tiltmeter which had been here since last year, making it more sensitive, along the lines of another instrument he has built and has in operation in Honolulu. He gave valuable advice to the seismologist and to the mechanic, and assisted in preparation for the seismograph on Mauna Loa, and for improved time service in connection with the National Park group of instruments.

Work of the Assistants

S. Sato has compiled the Observatory record books, classified library and negatives and seismograms, and assisted in rehabilitating the University building.

H. Yasunaka carries the crater routine and acts as chauffeur, mechanic, outdoor man and janitor.

A. Okuda with Yasunaka has been engaged in preparing an Hawaiian type two-component seismograph for the Mauna Loa station, with improvements. He also continued work on several seismoscopes, nearly ready for establishing more stations. These instruments did useful work during the recent crisis. He built shelves for the University building and made facilities for the volcanologist's map-drafting.

Visitors and Lectures

Lecture August 5. The Origin of Volcanoes. T. A. Jaggar. Pan-Pacific Scientific Institution, Honolulu.

Visitors August 16. Dr. Culver, geologist from Oregon.
 Dr. H.T. Stearns, U. S. Geologist, Honolulu.
 " 22. Dr. F. J. Taussig, surgeon, St. Louis, Mo.

Very respectfully,

T. A. Jaggar

Volcanologist.

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CAMP DIRECTOR REPORT FOR THE MONTH OF
AUGUST, 1938.

During this month we enrolled 12 new boys and discharged eight, 7 who secured employment and 1 for expiration of enrollment.

The doctor reports a decrease in sickness since moving in our new camp which is very gratifying. He also reports the camp mess hall, kitchen and storeroom in good condition at inspection.

We had a loss of 37 man-days due to petty accidents. Ninety per cent of this happened off the work.

Dr. Phillips showed the film on syphilis and gave a talk on general health during this month.

The report of the Safety Assistant Senior Engineer Foreman Wong showed one safety meeting of the entire camp, and all safety regulations kept up to standard.

Project Superintendent Rennie's report showed a daily average of 123 enrollees released to him during the month of 23 working days making 2817 man-days for the month.

Job-217-P Telephone Line Maintenance:

Repair of the telephone lines was kept up during the month.

223-P Landscape Maintenance:

Cutting of grass on park roadsides and landscaping of the Park Superintendent's residence was carried on during the month.

235-P Garages, Private:

The fourth garage was 95% completed this month. Picture submitted.

250-P Removal of Exotica:

Two crews worked on this project. One on the Mauna Loa Truck Trail and one in Bird Park.

252-P Tree Preservation:

594 man-days were used on the goat drives on Mauna Loa and in the Hilina Pali area during the month. A total of 1086 goats were slaughtered during the drive. We expect to finish this work for the time being by the 8th of September.

308- Camp Construction and Construction of Personnel Cottages:

The construction of cottage #4 is 90% completed.

- 2 -

The excavation of the basements for cottages No. 3 and 5 is completed.

The form work on cottage No. 3 is 60% complete and will be ready for concreting by the 14th of September.

The fire place for the recreation hall in the CCC Camp has been started and will be finished by the 20th of September.

Excavation for the cesspools for No. 3, 4 and 5 cottages is completed.

After the excavation of the basement and foundation for cottage No. 2 was 85% completed a large steam crack was encountered making it necessary to abandon the proposed site.

307 Landscaping, School Grounds:

A total of 211 man-days was used on this project.

Haleakala, Maui Sub-Camp:

Five enrollees, a cook and one foreman are in this camp. Foreman Kamoe reports the mess hall and one barracks 95% completed.

We continued to haul water this month but due to the rains during the past week, we are receiving an adequate supply.

The recreational activities are picking up due to the interest the enrollees are showing in football.

Respectfully submitted,



Frank C. Huston
Camp Director
CCC-HNP

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STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

AUGUST, 1938

Symbol	Appropriation	Allotted	Expended Obligated	Balance
1491000	National Park Service, 1939	\$55,100.00	48,505.68	6,594.32
148/91000	National Park Service, 1938-39	300.00	---	300.00
1481000	National Park Service, 1938	49,432.00	49,365.66	66.34
1481000	National Park Service, 1938(FPPF)	360.00	359.73	.27
1471000	National Park Service, 1937	44,800.00	44,016.56	483.44
14-1010	Roads & Trails, National Park Service	32,400.00	31,306.50	1,093.50
14-1130	Roads & Trails, National Park, Emergency Construction	40,870.65	40,728.90	141.75

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

(Kilauea Section) TRAVEL REPORT

.....Hawaii..... National Park for the month ofAugust, 1935.....

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,
Cars reentry,
Motorcycles,

Total motor vehicles,

Persons entering via motor
vehicles, 13,937 146,996 15,160 154,222 -7,226 .047

Persons entering via other
private transportation, 344 3,774 253 3,099 675 .218

Total persons entering via
private transportation, 14,281 150,770 15,413 157,321 -6,551 .042

OTHER TRANSPORTATION:

Persons entering via ~~stage~~ ^{Hotel} 961 7,936 1,177 7,392 544 .074

Persons entering via trains,

Persons entering otherwise,

Total other transportation, 961 7,936 1,177 7,392 544 .074

GRAND TOTAL ALL VISITORS, 15,242 158,706 16,590 164,713 -6,007 .036

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

A A A A A A

Haleakala, Section, Hawaii National Park for the month of August, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Decrease Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	<u>681</u>	<u>5303</u>	<u>656</u>	<u>4169</u>	<u>536</u>	<u>8</u>
Persons entering via motor vehicles,	<u>5494</u>	<u>19105</u>	<u>3280</u>	<u>20948</u>	<u>1843</u>	<u>8</u>
Persons entering via other private transportation,						
Total persons entering via private transportation,	<u>5494</u>	<u>19105</u>	<u>3280</u>	<u>20948</u>	<u>1843</u>	<u>8</u>

OTHER TRANSPORTATION:

Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	<u>5494</u>	<u>19105</u>	<u>3280</u>	<u>20948</u>	<u>1843</u>	<u>8</u>

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park. Month of August, 1938

	THIS YEAR	LAST YEAR
Park revenue on hand beginning of month.....	0.00	0.00
Received.....	0.00	26.00
Total.....	0.00	26.00
Remitted.....	0.00	26.00
On hand close of month.....	0.00	0.00
Park revenues received this year to date.....	25.00	51.00
Park revenues received last year to date.....	51.00	113.75
Increase.....	-26.00	-62.75
Percent of increase.....	.510	.552

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10-159
(May 1931)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of August, 1938
(REGULAR)

	THIS MONTH		THIS MONTH LAST YEAR	
	APPOINTED	NON-APPOINTED	APPOINTED	NON-APPOINTED
Number of employees beginning of month.....	23	3	24	11
Number of additions.....	0	0	0	0
Total.....	23	3	24	11
Number of separations.....	1	0	1	6
Number of employees close of month.....	22	3	23	5
Number of promotions during month.....	0	0	0	0
Aggregate amount of annual leave taken.....	6	0	19½	0
Aggregate amount of sick leave taken.....	52	0	1	0
Aggregate amount of leave without pay.....	7	0	19½	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

-----~~Hawaii~~----- National Park for the month of -----~~August, 1938~~-----

0-2563

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
526 - Resurfacing two miles of main park highway at Kau (west) entrance (FA)	100	0	0	
527 - Haleakala Road, storm damage repairs (FA)	90	30	35	

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii National Park
REPORT OF SALES OF PUBLICATIONS

August, 1938

	Number	Value
--	--------	-------

GOVERNMENT PUBLICATIONS:

On hand beginning of month,	1,018	140.20
Received during month,	0	0.00
Total,	1,018	140.20
Sold during month,	0	0.00
On hand at close of month,	1,018	140.20

NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,	12.12
Sales during month,	0.00
Total,	12.12
Remitted during month,	0.00
Balance,	12.12

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

September 5, 1938

The Superintendent
Hawaii National Park,
Hawaii, T.H.

Dear Mr. Wingate;

Narrative report for the ranger division, month of ^{any} September, 1938
follows:

000 General

Another series of earthquakes in the Chain of Craters area began in the early morning of August 8th. The bump which has been forming across the road near Devil's Throat for the past year and which was increased in the June activity, raised to a height of over two feet above the original road surface necessitating closing the road at this point. A crack about eight inches wide was opened near this point at the same time. Another large crack opened across the road near the entrance of the Hilina Pali road and a smaller crack opposite Hiiaka Crater. Several cracks were opened across the Hilina Pali road about a mile from the Chain of Crater Road. It was reported that 207 earthquakes were registered at the Volcano Observatory on August 8th.

020 General Weather Conditions

Weather during the month has been moderately fair with frequent showers. Precipitation at the Mauna Loa station 6700 elevation was 4.44 inches and at Headquarters area 3.96 inches for the month. The station at 6700 elevation is read twice a week.

100 Administration

110 Status Of Work

All work was kept current during the month.
No new construction is being carried on by the park at present. The work on the CCC Camp director's residence is into the finishing and painting stage.

The fireplace and chimney of this house was finish during the month and foundation poured and basement forms started on the second house. The garage for the second house has also been completed. This work is carried on by the CCC.

120 Park Inspection.

Daily patrols of roads, camp and picnic grounds of the park were made during the month.

Regular inspection were made of all projects in progress.

160 Status Of Alienated Lands.

An appraisal board composed of Msers. Bronco, Supa, Otani and Ludloff were taken via horseback into the lower Keauhou district, August 28, by Asst. to Supt. Moomaw and Chief Ranger Christ. The purpose of their trip was to appraise the value of the privately owned property in the vicinity of Apua Point which is included in the Kalapana Park extention.

200 Maintenance, Improvements And New Construction.

210 Maintenance

The usual maintenance of roads, trails, signs, and telephone lines were carried on during the month. The wotted flooring of the checking station, being occupied by quarters by labor Elderts, was replaced by park labor and reolacement of rotted roof gutters on the quarters occupied by mechanic Fujimoto was started. Some work was also done toward landscaping the grounds of the Superintendent residence by CCC.

The iron water tanks at Lave Tube and Halemaunau were repainted by rangers during the month.

400 Flora, Funa and Natural Phenomena.

410 Ranger, Naturalist And Guide Service.

The rangers continue to conduct all regular and special park tours for visitors with the cooperation of the naturalist division. The Sunday morning Mauna Loa Tour were sepecially well attended this month with over 200 visitors.

460 Birds.

Coveys of quail were noted along Mauna Loa Truck trail, Hilina Pali, road and Chain of Crater Road. Quail were also seen at Kipuka Nene, Kipuka Pepeiau, Bihopa and Ahui. The plover have returned during the month from their miagrations to Alaska. They were first noted August 12th in the lower park area near the sea and their number has increased greatly to this date. Five Koa (bos'ns birds) were noted on several successive days to continually frequent the shoreline and cliffs near Halepe. A flock of Nio seabirds were seen near the water at Kalue on August 23rd. Two chinese thrush were noted in the vicinity of park Headquarters and one along the Rim Road.

490 Natural Phenomena

In addition to the earthquake activity mentioned under heading 010, a large slide which was heard over 2 miles distance was recorded in the extreme west end of Pauahi Crater, 9:50 A.M. August 26. The earthquakes of August 8th, dislodged a quantity of rock from the roof of the Lava Tube and warning signs were erected at the entrance and exit.

Many large and well shaped Kauiha trees were noted at the top of Hilina Pali between Kipuka Nene and Hilina Pali shelter. These trees are in blossom at present. The small grove of Kukui trees in this same area appears to be healthy and should show reproduction after the goats are eliminated from this section.

510 Increase and Decrease in Travel

Due to the resuming of the regular boat schedules to this Island, tourist and local visitors to the park have shown an increase over the last several months.

530 Visitors

Visitors of a prominent nature which were contacted by the ranger division were as follows:

Mr. Louis Cain of Honolulu, Territorial Supt. of Public Works. He attended the regular Mauna Loa Tour August 14.

Mr. LaCran, Asst. Sec'y of Agriculture and family were conducted around the park by rangers.

The raider team of "Burns and Allen" were conducted through the park as were Major Gen. Herron, Commanding the Hawaiian Department U.S.A.

Lorrin A. Thurston and wife of Honolulu, publisher of the Honolulu Advertiser. Senator and Mrs. Jos. A. Farrington of Honolulu were park visitors for several days. Mrs. Farrington and the Senator showed intense interest in the proposed new Kalapana addition and while here made trips to both Kalapana and Hilina Pali in this interest.

Thirty-six sailors from U.S.S. Lark were conducted through the park August 6 and 21 August 8.

Eighty-two boy scout from Hamakua district visited the park Aug. 21

Seventy-five persons from the Seven-Day Adventist church Picknicked at Kipuka Puuulu August 14.

6 00 Protection610 Police Protection

Daily patrols were made of all park roads including two trips weekly to Mauna Loa end of truck trail and almost daily trips to Hilina Pali.

Two reprimands were given for infractions of Rules within the park. William Elderts jr., was reprimanded for reckless driving, and Joseph Foster and party were reprimanded for attempting to bring apih shellfish out of the park. Separate reports of these violations have been submitted.

Three motor car assists were made during the month to stalled cars with motor trouble.

640 Destruction of Predatory Animals.

1086 wild goats were destroyed by goats drive during the month. 11 wild pigs were killed by park personnel under supervision of the ranger division.

660 Sanitation

It is recommended that the toilet from the recently razed labors quarters be moved to the end of Mauna Loa Truck Trail. Over 200 persons attended tours to this point during the month and some comfort facility at this point is badly needed.

Respectrully submitted

Joseph H. Christ
Joseph H. Christ,
Chief ranger.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
August 31, 1938

Edward G. Wingate, Superintendent
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Mr. Wingate:

The following report for the Haleakala Section for the month of August, 1938, is respectfully submitted:

000 General.

010 Introduction.

While we have had more clear weather during this month than in August last year, this has been a month of sudden, violent rain storms of short duration.

020 General Weather Conditions.

Rainfall this month amounted to 7.02 inches. The prevailing wind direction was from the northeast. There were 16 clear days during this month.

100 Administrative.

120 Park Inspections by

121 Superintendents

Superintendent Edward G. Wingate inspected the Haleakala Section on August 25 and 31.

200 Maintenance, Improvements and New Construction.

210 Maintenance

Several sections of road surfacing were relaid, due to storm damage and rolling rocks.

220 Improvements

Approximately 250 feet of drainage ditches were dug along the road this month, most of which was through rocky material.

230 New Construction

Two buildings for the CCC camp are completed with the exception of window frames.

500 Use of park facilities by the Public.

510 Increase or Decrease in Travel

681 cars and 3494 people were in the Haleakala Section during this month. An increase of 9% over the record for last month is shown.

Sincerely Yours,



J. A. Peck,
District Ranger

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10-23
(May 1923)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
----- NATIONAL PARK

FILED

FILE NO.

MONTHLY REPORT

July 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

August 11, 1938

The Director
National Park Service
Washington DC

Dear Mr. Director:

There follows the report of activities for Hawaii National Park during July:

000 - General

The continued tie-up of the Inter-Island steamers by strike has resulted in another very quiet month for the park, which is unfortunate since excellent weather conditions prevailed throughout July. On the 25th the Inter-Island Company brought in one of its steamers to Hilo, with the result that there was considerable demonstration on the part of the striking Union members at the dock. The steamer unloaded passengers, but all freight, etc., was returned to Honolulu.

020 - General Weather Conditions

Total rainfall at headquarters amounted to 3.51 inches and at Haleakala 1 inch, and at headquarters the maximum temperature was 79°. Maximum wind at Kilauea was 18 mph on the 26th and at Haleakala 16 mph on the 18th.

100 - Administration

110 - Status of Work

Final estimates for 1940 were completed and mailed on the 10th. The annual report was mailed the Director and a resume to the Governor of the Territory on the 18th and 21st respectively. Work was started on the project construction program and it is hoped to have it in the mail about the middle of August. Clerk-stenographer Constance Whitney returned to work on a half-day basis on the 27th.

120 - Park Inspections by:

221 - Superintendent: Routine inspections were made daily of the CCC building projects and frequent examination made of the cracks in the Chain-of-Craters area where movement is still taking place.

130 - Finance and Accounts

A detailed report is attached

150 - Equipment and Supplies

Six electric ranges were received from surplus lists by the park.

170 - Plans, Maps and Surveys

Word was received that our master plan, 1938 edition, had been approved by the Director on June 8.

180 - Circulars, Placards, Publicity Bulletins, etc.

One office order, No. 57, subject: loans, contributions, etc., was issued on the 25th, copy of which is attached.

Dr. Jaggar delivered a lecture over radio station KGMB, Honolulu, on the 10th the subject of which was "What Will Mauna Loa Do Next?"

Assistant Park Naturalist Samuel H. Lamb lectured twice, once on board a Navy ship at Hilo and the other before the Hilo Toastmasters' Club.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

Several hundred feet of drainage ditches were dug and banks re-sloped on the Haleakala road. At Kilauea regular maintenance of the telephone system, trails and repainting and repair of directional road and trail signs was carried on.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

The services of Robert L. Flunkett, who was serving as a temporary ranger at Haleakala during Ranger Peck's illness, were dispensed with at the close of June 30.

480 - Natural Phenomena

The soil temperature experiment to determine the temperature where the forest has been killed in the Chain-of-Craters area was set up and readings

taken during the month. Near a steam crack in the center of the region a temperature of 83° C was found in comparison with a temperature of 24° outside the killed area.

Dr. T.A. Jaggar, Principal Scientist, returned from the mainland on the 6th, but remained in Honolulu the entire month to conduct a class in volcanology at the University of Hawaii summer session.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel to the Kilauea section amounted to 15,044 visitors as compared with 19,643 during the same month last year, and at Haleakala there were 1755 visitors as compared with 2690 for July 1937. This sharp decrease is due to the Inter-Island strike which is preventing large numbers of people from coming to this island.

530 - Visitors

July 3 - Mrs. C.W. Spitz, Messrs. A.J. Gignoux, M.E. McKenney and Joseph Ordenstein, members of the Territorial Prison Board for overnight.

" 7 - Prince and Princess Louis Ferdinand of Prussia for two days, during which time they were given special attention by the ranger staff.

" 12 - Mr. Robert B. Lea, vice president of the Sperry Gyroscope Company of New York

" 17 - Congressmen John M. Sparkman and Joe Starnes of Alabama, and William B. Umstead and J. Walter Lambeth of North Carolina visited the park. They arrived from Honolulu in Navy planes in the morning and returned the same afternoon. They had lunch at the Volcano House and were taken to Uwekahuna Museum by Asst. to the Supt. Moomaw, and seasonal Ranger Shaver, who, with the superintendent, accompanied them on their return to the airport.

Dr. A. Graeme Mitchell and family of the Children's Hospital, Cincinnati, accompanied by Dr. Lela Beebe of the Territorial Board of Health. The superintendent conducted the party on a tour of the Kilauea section.

" 23 - E.H. Walsh, manager of the Grand Hotel, Wailuku Maui, overnight. Mr. Walsh has the saddle horse and lunchroom concession in the Haleakala section.

600 - Protection

620 - Fire Protection

A small grass fire, started by a carelessly thrown cigarette in the residential area, which burned a space of about 20 square feet, was extinguished by nearby workmen, Foreman Craik and Chief Clerk Higashida.

Quarterly fire and sanitation inspection was made by rangers on the 8th and recommendations submitted to the various parties concerned.

640 - Destruction of Predatory Animals

Eleven wild pigs and 17 wild goats were destroyed within the park under the direction of the rangers.

900 - Miscellaneous

GCC

A report of the activities of the GCC camp, submitted by Camp Director Huston is attached.

This office was much disturbed on receipt of radio advice that services of Principal Scientist T.A. Jaggard would have to be terminated at the close of July 31, due to Executive Order of May 18, bringing employees in excepted positions under the retirement act. A request was made by this office on the 12th for an extension of Dr. Jaggard's services and similar requests made by Delegate King and Frank C. Atherton, President of the Hawaiian Volcano Research Association. Naturally we were all very much pleased to learn by radio from Washington that Dr. Jaggard's appointment had been extended for another year by Executive Order.

Respectfully submitted

Edward G. Wingate
Superintendent

GW

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

OFFICE OF THE SUPERINTENDENT

HAWAII

August 8, 1938

Edward G. Wingate, Superintendent
Hawaii National Park

Subject: Report of the
Hawaiian Volcano Obser-
vatory, July 1938

Dear Mr. Wingate:

The usual routine work at the Volcano Observatory has been carried on by the members of the staff. All daily records are up to date. Absence of two members of the staff during the latter part of June and the first week of July has delayed the compilation of the June seismological report. Work on this is in progress. The seismological report for May has been completed. This report includes a summary of the abnormal seismic activity of May 28-June 3 inclusive with all possible locations of focus made. Dr. Jaggard returned from leave of absence on the mainland and assumed his duties of instruction in a class of volcanology at the University of Hawaii. Assistant Geologist H.H. Waesche substituted for him at this class from June 27 to July 6 inclusive.

Volcanic Activity of the Month

With the exception of the last week of July rock slides from the north and east rim walls of Halemauau were numerous during the month. Fuming from the SE solfatara has continued. Seismic activity has been relatively high with the majority of the disturbances indicating Kilauea origins. Three felt earthquakes July 2 were of Mauna Loa origin. The Kona seismograph recorded only five small disturbances indicating that there is only minor activity taking place under Mauna Loa and Hualalai. Kilauea seems to be currently the most active volcanic center on the island of Hawaii. Two rather feebly recorded distant earthquakes recorded during the week ending July 24. Observations from time to time of the cracks in the vicinity of Pauahi crater have been made and it is thought that slight earth movements there are continuing. The hump in the road near Devils Throat has noticeably increased in height. The large crack near Pauahi appeared to have increased slightly in width and to have sunk relatively more on the south side. The large crack near Aloi crater has evidently widened. Systematic measuring of these cracks is to be begun immediately. Temperature measurements at the hot area near Kokoolau crater have been made by Ranger Shaver. His highest temperatures have been about 85°C. The area does not seem to have increased its dimensions materially in the last few months. Chief Ranger Christ reported that three new cracks cross the Mauna Loa trail about 1½ miles above the rest-house at about 12,000 feet elevation. The following are the local data:

<u>Week Ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack Openings</u>	<u>Quakes</u>
July 3	18.75	30	7.0 millimeters	55
10	10.25	15	0.5 "	17
17	18.25	28	0.0	50
24	23.25	3	3.5	67
30	20.00	3	-0.5	60

Earthquakes felt at Kapapala Ranch, 1 slight and 2 very feeble July 2. One very feeble earthquake July 13 was felt in the national park headquarters area.

Work of the Volcanologist

Dr. Jaggar was on leave until July 6. He assumed charge of a class in volcanology at the University of Hawaii summer session in Honolulu July 7. He lectured the remainder of the month.

While in Honolulu he gave the following special lecture: July 10, Broadcast radio station KGMB, subject; "What will Mauna Loa do Next?"

Work of the Assistant Geologist

H.H. Waesche, was in Honolulu July 1-7 inclusive substituting for Dr. Jaggar in the class in volcanology at the University of Hawaii summer session.

July 8 - returned to regular duty at the Observatory

"13 - took Mr. Lea, vice president of the Sperry Gyroscope Company on a trip around the park including daily routine field work of the Observatory.

" 25-26 - ran levels around Halemauau from Spit BM to NW Pit BM and made return check. Levels indicated that NW Pit BM was up 4.6 centimeters over the February determination, *or more likely "Spit" has gone down that amount.*

Inspection of the Chain-of-Craters area was made at least once per week.

Angles across Kilauea crater were run July 21. They indicated slight closing across the crater and Halemauau compared with determinations of preceding month.

Observatory seismograms accumulated while absent in Honolulu were brought up to date and read daily thereafter. Weekly seismological and press reports for June were prepared and the current ones of July compiled and issued. May seismological data for the Volcano Letter was prepared. Cracks were measured in the usual routine manner. Tilt measurements at the pit clinoscope stations have been plotted as well as those of the Observatory and all computa-

tions made pertaining thereto throughout July. Numerous visitors have been shown through the Observatory. Supervision of other personnel and administration of the Observatory has been maintained in the absence of the volcanologist.

Work of the Assistants

S. Sato has been engaged principally in typing out the "Journal" section of the Kilauea Record Book from the field notes. This has been completed through December, 1937. Other work has been: clipping and filing newspaper items related to volcanology, library work and assistance occasionally with Observatory field work and seismograph routine work at the Observatory.

H. Yasunaka has changed and prepared the daily seismograph records. He was rodman while running levels July 25-26. Otherwise he has been occupied with care of the Observatory and grounds and cars and some house work at Dr. Jaggars's.

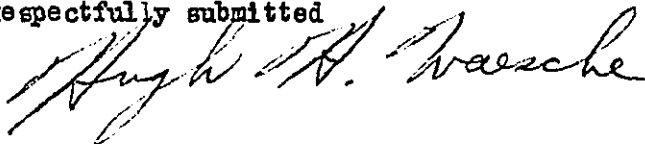
A. Okuda has been principally occupied with construction of shock recorders. He has done all necessary shop and carpenter work around the Observatory including the fixing of an extra recording drum and container, for the Observatory seismograph. He was on leave July 21, 22 and half day July 23.

Visitors:

Mr. Robert Lea, vice president of the Sperry Gyroscope Company.

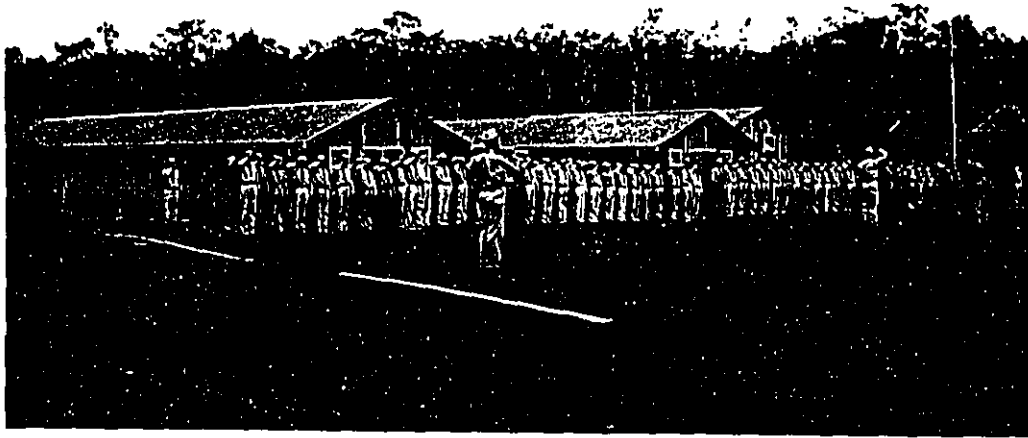
Colonel Emory and family of Schofield Barracks.

Respectfully submitted



H.H. Waesche
Assistant Geologist

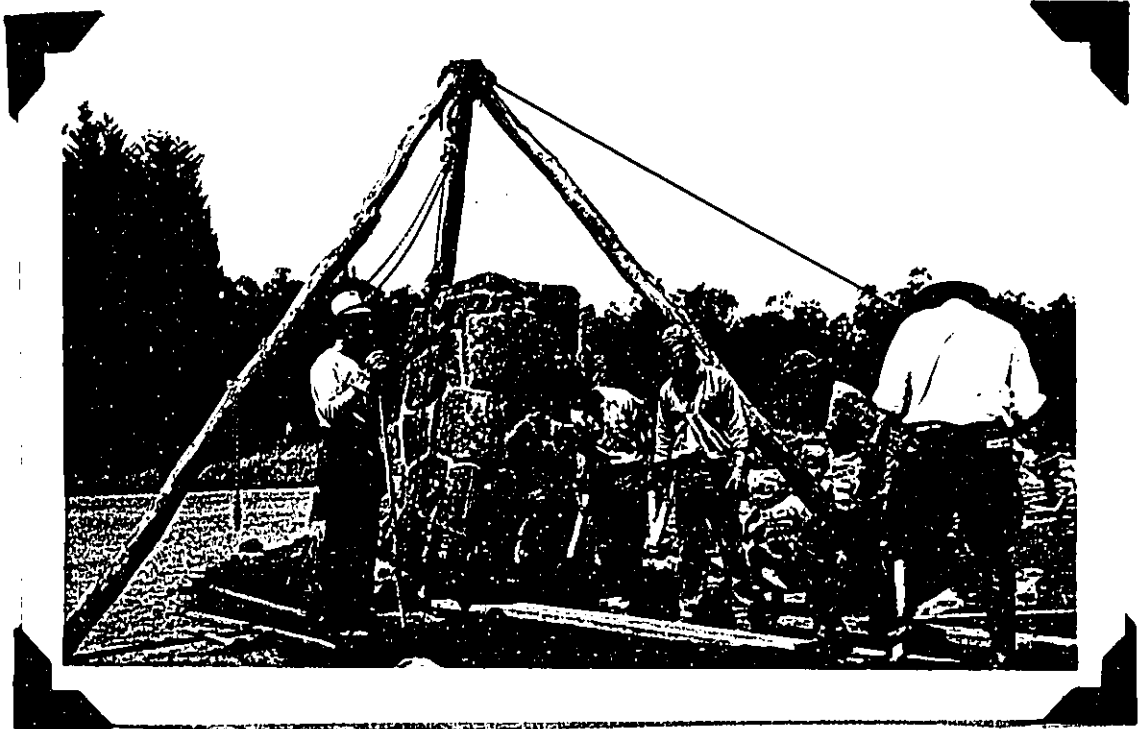
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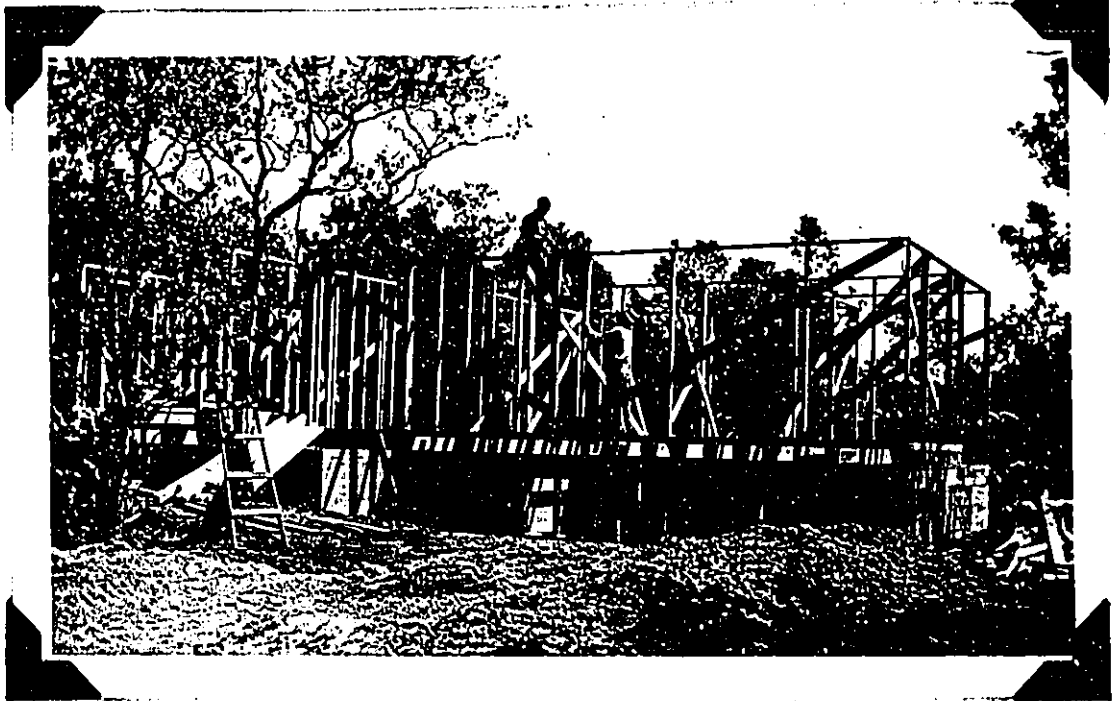
Retreat at the new CCC Camp, Kilauea section



Landscaping at Volcano House by CCC, job No. 248P - smoothing out sharp entrance curve.

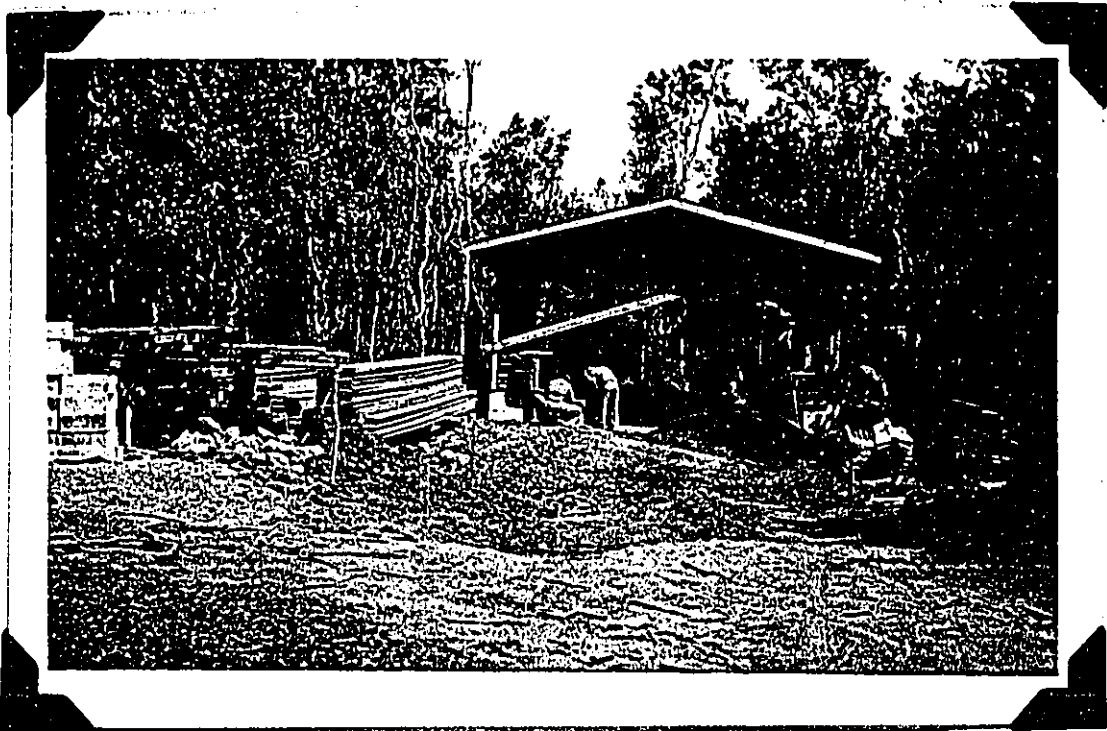


Landscaping Volcano House, CCC. Setting back stone entrance structure in smoothing out sharp curve.



Employees quarters under construction by CCC - erecting framing.

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CCC job No. 235P - garages, private, under construction.

August 9, 1938

Report of Camp Director, CCC HNP to the Park Superintendent, Hawaii
National Park for the month of July, 1938.

During this month we enrolled twenty new enrollees and discharged six, four who secured employment and two dishonorable for refusing to work.

A daily average of 151 enrollees were in camp of which a daily average of 105 were used on the projects for 21 working days, a total of 2205 working days.

The difference between the number in camp and the number released to the work was more this month due to a number of the enrollees taking their six day leave due them for reenrolling the last period.

\$136.00 was spent for skilled labor on the private garages, job 235 P.

The CCC Camp continues to function in good shape although due to a shortage of water we can not have the camp the way we would like. It was necessary to change the water supply line in camp also the fire hydrants have been placed and lines run to the latrines and new barracks.

We hauled water from the Park and other places during the entire month.

The usual safety and recreational activities were continued during the month.

There was a meeting of the whole camp to stimulate interest in getting out a bigger and better camp paper, and I expect quite an improvement as a result of this meeting.

The usual safety measures were continued during the month and we had one safety meeting of the entire camp.

The various work projects are going forward slowly due the shortage of enrollees at this time.

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There was a total loss of seven man-days due to the accidents to the enrollees.

There was two operations for appendicitis during the month.

This camp established a sub-camp at the ¹²⁰⁰⁰ 1200 foot elevation on Mauna Loa to finish the repair of the telephone line.

Respectfully submitted,

Frank C. Huston
Frank C. Huston,
Camp Director,
CCC HNP

STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

JULY, 1938

Symbol	Appropriation	Allotted	Expended Obligated	Balance
1491000	National Park Service, 1938	55,100.00	47,417.92	7,682.08
148/91000	National Park Service, 1938-39	300.00	0.00	300.00
1481000	National Park Service, 1938	49,432.00	49,937.32	EE 505.32
1481000	Nat'l. Park Service (FFP)	360.00	359.73	.27
1471000	National Park Service, 1937	44,500.00	44,016.56	483.44
14-1010	Roads & Trails, Nat'l Park Serv.	32,400.00	31,029.81	1,370.19
14-1130	Roads & Trails, Nat'l Park Serv. Emergency Construction	40,670.65	40,728.90	141.75

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Hawaii National Park for the month of July, 1933

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						
Persons entering via motor vehicles,	13,527	133,059	17,970	139,062	-6003	.043
Persons entering via other private transportation,	570	3,430	230	2,846	584	.205
Total persons entering via private transportation,	14,097	136,489	18,200	141,908	-5419	.038

OTHER TRANSPORTATION:

Persons entering via stages ^{Hotel}	947	6,975	1,443	6,215	760	.122
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	947	6,975	1,443	6,215	760	.122
GRAND TOTAL ALL VISITORS,	15,044	143,464	19,643	148,123	-4659	.031

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Haleakala Section, Hawaii..... National Park for the month of July, 1938.....

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	<u>361</u>	<u>3231</u>	<u>538</u>	<u>3590</u>	<u>359</u>	<u>10</u>
Persons entering via motor vehicles,	<u>1755</u>	<u>16156</u>	<u>2690</u>	<u>18063</u>	<u>1907</u>	<u>10</u>
Persons entering via other private transportation,						
Total persons entering via private transportation,	<u>1755</u>	<u>16156</u>	<u>2690</u>	<u>18063</u>	<u>1907</u>	<u>10</u>

OTHER TRANSPORTATION:

Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	<u>1755</u>	<u>16156</u>	<u>2690</u>	<u>18063</u>	<u>1907</u>	<u>10</u>

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park. Month of July, 1938

	THIS YEAR	LAST YEAR
Park revenue on hand beginning of month.....	0.00	0.00
Received.....	25.00	25.00
Total.....	25.00	25.00
Remitted.....	25.00	25.00
On hand close of month.....	0.00	0.00
Park revenues received this year to date.....	25.00	25.00
Park revenues received last year to date.....	25.00	110.00
Increase.....	None	85.00
Percent of increase.....	None	.773

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Hawaii

July, 1938

National Park for the month of

G-8562

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
526 - Resurfacing two miles of main park highway at Km (west) entrance (FA)	100	0	20	
527 - Haleakala Road, storm damage repairs (FA)	60	35	25	

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii

National Park for the Month of July, 1938

	THIS MONTH		THIS MONTH LAST YEAR	
	APPOINTED	NON-APPOINTED	APPOINTED	NON-APPOINTED
	Reg. P.W.	Reg. P. W.	Reg. P.W.	Reg. P.W.
Number of employees beginning of month	22 0	3 0	23 0	12 0
Number of additions	1 0	0 0	1 0	0 0
Total	23 0	3 0	24 0	12 0
Number of separations	0 0	0 0	0 0	1 0
Number of employees close of month	23 0	3 0	24 0	11 0
Number of promotions during month	0 0	0 0	0 0	0 0
Aggregate amount of annual leave taken	5 0	0 0	3 0	0 0
Aggregate amount of sick leave taken	8 0	0 0	1 0	0 0
Aggregate amount of leave without pay	30 0	0 0	16 0	0 0

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii National Park

REPORT OF SALES OF PUBLICATIONS

July, 1935

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	1,028	145.25
Received during month,	0	0.00
Total,	1,028	145.25
Sold during month,	10	5.05
On hand at close of month,	1,018	140.20
<u>NON-GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		
Cash on hand beginning of month,		12.12
Sales during month,		5.05
Total,		17.17
Remitted during month,		5.05
Balance,		12.12

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

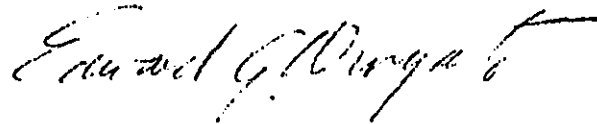
July 25, 1938

GENERAL OFFICE ORDER NO. 57

Subject: Loans, contributions, etc.

On several occasions during the last few years, it has been brought to the attention of this office that employees on the regular and emergency staffs have solicited loans of money from other employees.

While this practice is not a literal violation of Service Order No. 294 which prohibits soliciting of contributions for gifts etc., it is so closely connected with it as to constitute a violation of the spirit of that order. Therefore, in the future, no officer or employee on the regular staff, the staff of the Civilian Conservation Corps, or other government activity under the direction of this office shall solicit a monetary loan, or his signature upon any note covering such a loan, from any other employee working under his supervision or receiving a less salary than himself; nor shall any employee make any such loan to, or sign such notes for, any official superior or employee receiving greater salary than himself.



Edward G. Wingate
Superintendent

Director-2
Superintendent
Asst. to the Superintendent
Chief Clerk
Clerical Staff-3
Asst. Park Naturalist
Chief Ranger
Ranger Staff-4
Park Foreman
Park Mechanic
Park Laborers
Camp Director CCC
CCC Personnel
✓ Monthly Report-7

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

August 5, 1938

The Superintendent
Hawaii National Park,
Hawaii, T. H.

Dear Mr. Wingate:

Narrative report for the ranger division, month of July, 1938 follows:

000 General

The continued tie-up of Inter-Island steamers by strike has resulted in another quiet month in activities for this park. The fact that tourists and visitors are unable to reach Hawaii and Maui from Honolulu except by plane has been unfortunate as excellent weather conditions have prevailed throughout the month.

020 General Weather Conditions

Rainfall in the Kilauea-Mauna Loa Section was low for the month with a total of only 3.51 inches.

100 Administration

110 Status of Work

Repair work on the Haleakala Hiway was continued with four park laborers throughout July. Work on the construction of the Haleakala CCC side-camp progressed satisfactorily.

Work by the CCC on the Camp Director's residence, the landscaping of Volcano House grounds, removal of exotics in Kipuka Puanu and the Giant Koa area and cutting grass on shoulders of park roads progressed satisfactorily in the Kilauea area. 3 miles of telephone line was reconstructed along the Chain of Craters line and 3 miles of line was repaired at elevation 12,000 feet on Mauna Loa by CCC. The latter job necessitated a side-camp which was installed for the duration of the job.

120 Park Inspections

Daily patrols of roads, camp and picnic grounds in both sections of the park were made. Regular inspections of CCC projects and the Hilina Pali and Mauna Loa Truck Trails were made. Several days were spent by rangers on trail and fence patrols. A trip was made to elevation 12,000 feet on Mauna Loa scouting a route for the proposed motorcycle trail to the summit. Soil temperatures of the new steam area SW of Pauahi Crater were recorded during the month with daily readings.

150 Equipment and Supplies

Four washing machines, and six electric ranges were received from surplus lists by the park this month.

180 Circulars, Publicity, etc.

A lecture was given by Dr. T. A. Jaggard, Principal Scientist, from radio station KGU over a NBC hookup. This talk was sponsored by the University of Hawaii.

200 Maintenance, Improvements and New Construction210 Maintenance

Maintenance of the park telephone system, trails and the repainting and repair of directional road and trail signs was carried on during the month.

400 Flora, Fauna and Natural Phenomena410 Ranger, Naturalist and Guide Service

Scheduled park tours and movies illustrated lectures were conducted by the Ranger and Naturalist divisions throughout the month.

420 Museum Service

The Naturalist was assisted by 2 CCC enrollees at Uwekahuna Museum. These boys are in attendance at the Museum throughout the day and act as guides to museum visitors.

500 Use of Park Facilities by the Public510 Increase or decrease in Travel

Travel for the month was low in both sections of the Park due to the inter-island shipping strike.

The picnic grounds were used extensively during the month and several parties camped at the camp ground.

530 Visitors

Representatives to Congress, John M. Sparkman of Alabama, Joe Starnes of Alabama, William B. Umstead of North Carolina and

J. Walter Lambeth of North Carolina, lunched in the park and were shown around by park and army personnel. Mr. E. J. Walsh, park operator from the Haleakala Section was a visitor at Kilauea for a day and a night. Prince Luis Ferdinand of Germany and his bride, the former Grand Duchess Kyra spent several days in the park and were escorted around the park by rangers.

A Japanese troupe of 10 show girls from Tokyo spent several hours seeing the park sights. Two young college graduates, Raj Agarwala of Agra, India and R. N. Agarwal of Ramnagar, India, spent several days in the park on their return to India.

600 Protection

610 Police Protection

Daily patrols of all park roads were made and 3 reprimands given for infraction of park rules.

One safety meeting at the CCC Camp was attended and safety booklets distributed.

Recommendation is made that proper measures be taken to remove some lilac bushes which limit vision of approaching traffic at the Military Camp road intersection of Mamalahoa Highway.

A small grass fire which burned an area of about 20 square feet in the employees residence area was started by a carelessly thrown cigarette and quickly extinguished by nearby workmen.

All fire equipment was checked and ranger's patrol cars were equipped with portable fire pump, shovel, axe, mattock, cane knife and burlap bags.

Eleven wild pigs and 17 goats were destroyed within the park under the direction of the ranger division.

Many broods of quail and pheasant chicks were seen within the park. These broods are usually much smaller in individual number than natural showing the mongoose are destroying these birds before they are old enough to be able to escape. Experiments in trapping and destroying these mongoose, which are definitely on the increase in the park, should be started and aggressively continued to decrease the number of these predatory animals.

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CORRECTION

THE PRECEDING DOCUMENT(S) HAS
BEEN REPHOTOGRAPHED TO ASSURE
LEGIBILITY
SEE FRAME(S)
IMMEDIATELY FOLLOWING

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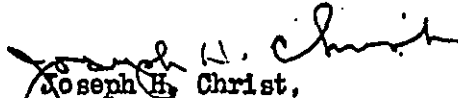
620 Fire Protection

Quarterly Fire and Sanitation Inspection of Park and operators buildings was conducted and recommendations and suggestions of fire hazard elimination were followed.

650 Signs

Work is progressing, although slowly due to lack of labor and funds, on traffic control and direction sign replacement.

Respectfully submitted,


Joseph H. Christ,
Chief Ranger.

10-23
(May 1929)

6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii NATIONAL PARK

FILE NO.

MONTHLY REPORT
JUNE 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE

6-7410

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July 11, 1938

The Director,
National Park Service,
Washington, D. C.

Dear Mr. Director:

There follows the report of activities for Hawaii National Park during June.

000 - General

Several events occurred during June of sufficient importance to be mentioned under this heading.

Two pieces of legislation affecting the park were passed by Congress just before adjournment and were signed by the President. One of these, the bill providing for the addition of the so-called Kalapana and Footprint areas to the park, besides adding about 86 sq. miles to the area including an additional 12 miles of ocean shore line and regions of historic, archaeological, and scenic interest brings to a close the first step in an attempt to preserve, not only these values, but, the native Hawaiian character of the region as well. The bill provides for occupancy by Hawaiians, desiring to do so, of such areas in the addition as may be found suitable for subsistence homesites, thus opening for settlement an extensive area, once well settled by Hawaiians, which had largely passed into private ownership and is now desolate and unproductive.

The Director and others in the Washington office must be aware of the feeling of satisfaction which the superintendent and those who had worked with him on this matter had when news of the passage of this bill was received. All of us here were happy, but realized that the successful conclusion of this was due to the interest and efforts of the Director, his staff, friends in Congress, and Delegate King of Hawaii.

The other bill greatly facilitates the administration of the park by authorizing the U. S. Commissioners resident in Hilo, Hawaii and Wailuku, Maui to hear cases arising in the sections of the park on those islands which heretofore could be handled only by the U. S. District Court in Honolulu.

The principal scientist and volcanologist of this park, Dr. F. A. Jaggard, was highly honored by Dartmouth College when he was given an honorary degree at the annual commencement in June. As the college does not confer such degrees in absentia it was necessary to grant annual leave to Dr. Jaggard to make the trip east.

The spasm of earthquakes which started May 27, continued throughout the early part of the month with continuance of faulting along the Chain of Craters road. The earthquakes and faulting caused sliding from the walls and rim of the "Devil's Throat", one of the small craters in this region. It was necessary to close this lookout to visitors.

The general strike of the Inter-Island Steam Navigation Company ship crews continued through the month without any indication of early settlement. The company, however, managed to collect enough seamen etc., to run two of the smaller cattle boats between the islands, though this has not assisted the summer travel at all. It is estimated that about 250 mainland tourists who would have visited the park on the regular Inter-Island Saturday tour were prevented from coming, and of course, the number of contacts has been further and greatly reduced by the few visitors at the Volcano House. The strike is preventing the usual influx of summer vacationists from Honolulu and the other islands. So far during the strike, no violence worthy of mention has occurred.

The hearings conducted by the U. S. Maritime Commission in connection with the rate structure, practices, etc., of the Inter-Island Company after several sessions in Honolulu were continued in Hilo on the 13th. The party, consisting of Commissioner E. C. Moran, Jr., Messrs. G. A. Basham, A. G. Patterson, David E. Scoll, Donald S. Payson, C. M. Carlon, members of the commission and Mrs. Mary Bible, secretary; and Stanley C. Kennedy, President of the Inter-Island; Messrs. John W. Kangeter and George W. Voorhess, members of the Territorial Public Utilities Commission, H. B. Cady, manager of the Inter-Island growers service, J. G. Anthony, Inter-Island attorney, Jon Wiig, Asst. Territorial Attorney General, and Miss Madeline Hayden, secretary to Mr. Kennedy; spent the night of the 12th at the Volcano House. The party, in addition to Superintendent and Mrs. Wingate and Clerk-stenographer Constance Whitney were guests of George Lycurgus, manager of the Volcano House, at dinner that evening.

The next day at the hearings in Hilo, except for the Manager of the Standard Drug Co., Mr. Martin Pence, local attorney, Mr. Nick Lycurgus, Assistant Manager of the Volcano House, and Naturalist Lamb and the superintendent of this park, no one appeared to testify in connection with the alleged discrimination by the Inter-Island against the small merchants of Hilo and the Volcano House. The

Commission departed by plane for Honolulu that same day to continue hearings on rates there and concluded the hearings during the week.

020 - General Weather Conditions

Precipitation at headquarters was 4.15 inches and at Haleakala .50 inch. In both sections of the park, the weather was the best in several months. Highest wind velocity at Kilauea was 25 mph on the 29th.

100 - Administration

110 - Status of Work

Office and field^{work} were about one week behind schedule at the close of the month due to illness of several employees, the departure of Project Superintendent George Pope, CCC, to accept a civilian position with the army, and the necessity of sending Mr. Moomaw, Assistant to the Superintendent to Maui to supervise building work starting there. Clerk-stenographer Constance Whitney was operated on in the Hilo Hospital on June 25 and while making good recovery will be absent from duty for several weeks. Park Foreman, Robert Craik was ordered to the hospital for a rest occasioned by overwork and poor health.

Preparation of the final estimate for 1940 was commenced June 21 and should be completed the first week in July. Routine and special correspondence was kept up to date but other work had to be left pending.

Miss Margaret English e.o.d. as temporary assistant clerk telephone operator June 16.

120 - Park Inspections by:

121 - Superintendent: Frequent inspections of the increasing road damage along the Chain of Craters road were made during the early part of the month and close attention was given to the completion of the new CCC Camp and commencement of construction on the five new employees' quarters. Routine inspections of the Mauna Loa truck trail, experimental planting areas, Kipuka Puanui where inroads of undesirable foreign grasses are causing some worry, and public facilities in the Kilauea area were made.

Assistant to the Superintendent B. F. Moomaw left for Maui on June 24 with CCC Foreman S. Kamoe, a cook and six enrollee carpenters to start work on the Haleakala spur camp and one employee's quarters. Through the cooperation of the Coast Guard, they were enabled to sail on one of their ships. No heavy equipment could be taken over or otherwise shipped to that island.

125 - Other Government Officers: Mr. E. E. Tillett, Territory

of Hawaii, field supervisor CCC was at the Volcano House June 9-11 and visited the new CCC Camp in the park and discussed CCC matters with the Camp Director and superintendent.

130 - Finance and Accounts

A detailed financial report is attached.

140 - Labor Situation

Despite liberalized regulations governing enrollment in the CCC which were discussed by Messrs. Fechner and Wirth while in the islands with Mr. Frank Locey, Chairman of the Board of Agriculture and Forestry and others; it appears extremely doubtful that anything approaching the increased enrollment quotas will be reached. Summer employment on the plantations and pineapple canneries is absorbing most of the graduating high school group and the shipping strike is preventing Honolulu boys from being sent to camps on the outside islands.

150 - Equipment and Supplies

Three electric stoves for employees quarters were received through the Procurement Division, Treasury Department from surplus, in addition to a Chevrolet sedan for official use purchased by the Washington office from the regular appropriations. Twenty four mattresses for shelter cabins in the Haleakala section were received by the District Ranger on June 25.

180 - Circulars, Placards, Publicity Bulletins, etc.

Natural History Bulletin No. 3, entitled, "The Rocks and Minerals of Kilauea-Mauna Loa section, Hawaii National Park", compiled and partly written by B. F. Moonaw, Jr., Assistant to the Superintendent, was completed, mimeographed and made ready for binding and mailing.

Ten thousand copies of the 1935 Circular of General Information on this park were received, and request by radio was made to the Director to have 2,000 additional copies shipped to the District Ranger, Haleakala for use in that section.

200 - Maintenance, Improvements and New Construction

210 - Maintenance:

Recommendation for the appointment of John Hannan as permanent laborer position No. 35 was submitted. Repairs to Quarters 16 under CCC were completed in addition to the repainting of quarters Nos. 3 and 4 under the regular appropriation.

230 - New Construction

The basement concrete walls and foundations were poured and frame raised on one of the five employees quarters being constructed at Kilauea by the CCC and basements excavated for two more. Construction was started in the Haleakala section on the new CCC spur camp.

Repairs to the main road at the west (Kau) entrance to the park were completed by the force account crew the last week in the month.

300 - Activities of Other Agencies in the Park**310 - Public Service Contractors**

Annual financial report for the Volcano House was mailed to Washington on the first.

Approved 1938 rates and annual permit for E. J. Walsh, who operates the saddle horse and lunchroom concession at Haleakala, were received and transmitted to Mr. Walsh. Approved permits for K. Mashara, who has the photographic concession at Kilauea; and Radio Station KEBC of Hilo, to rebroadcast Honolulu program from the Volcano House were also received and distributed to the operators.

400 - Flora, Fauna and Natural Phenomena**410 - Ranger, Naturalist and Guide Service**

Temporary ranger Robert L. Plunkett was installed at Haleakala on June 1, to serve one month as assistant to the district ranger, who is not yet fully recovered from an operation. Seasonal ranger Ralph K. Shaver of North Carolina entered on duty at the Kilauea section on June 22.

Recommendation was submitted for the appointment of Dr. Howard A. Powers, who was formerly connected with the USGS at the Volcano Observatory, as permanent ranger for the Haleakala section.

480 - Natural Phenomena

A small soil temperature experiment was outlined to study the death of several acres of forest in the Chain of Craters region where the soil temperature seems to have increased due to increased amount of steam rising through the ground.

Following the earthquake activity of last month and the first week of June along the Chain of Craters road, major avalanching of the walls of the Devil's Throat was noted June 6. Many cracks opened around this pit and sizeable sections collapsed. A sounding for depth was taken on the 6th and it was found to have filled in about 36 feet--from a depth of 258 feet to 221 feet. It is believed that later sliding has raised the debris cone on the floor still more.

The detailed report of the activities of the Volcano Observatory is omitted due to the absence of the Volcanologist and Assistant Geologist.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel to the Kilauea section for June amounted to 15,491 persons, compared with 16,231 for June 1937. At Haleakala there were 1250 visitors, as compared with 1,980 for the same period last year. A general decrease in travel was shown due to the Inter-Island strike.

530 - Visitors

Mr. and Mrs. E. P. Irwin of Honolulu for approximately three weeks. Mr. Irwin is editor and owner of the Honolulu Times.

Commissioner E. C. Moran, Jr., of the Maritime Commission and party spent the night of the 12th at the Volcano House.

600 - Protection

610 - Police Protection

On June 28, Boyd M. Bailiff, Plant Superintendent of the Union Oil Company in Honolulu, who was registered as a guest at the Volcano House, committed suicide in the vicinity of the Sulphur Banks. Mr. Bailiff, who had been seriously ill in Honolulu, had come over to the Volcano House to convalesce. When notified of his disappearance, the Superintendent directed park rangers and all CCC enrollees in a careful search through the region surrounding headquarters. The body was finally located at 6:25 P.M. by enrollee Akio Uemura and Ranger Olson in a thick growth of fern only a short distance from the Volcano House. The remains were turned over to the police and later shipped to Honolulu for burial.

630 - Accidents

Tabulation report of injuries to employees was forwarded the Washington office on the 2nd. There had been only two accidents

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during the year, both caused by the victims being struck by flying objects.

900 - Miscellaneous

CCC - A report of the CCC activities is attached.

Respectfully submitted,

Edward G. Wingeat
Superintendent

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

Hailuku, Hawaii
June 30, 1938

Edward G. Wingate, Superintendent
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Mr. Wingate:

The following report for the Haleakala Section for
the month of June, 1938, is respectfully submitted:

000 General.

010 Introduction

Badly needed improvement work has been done on the road by
the additional workmen that were hired this month.

020 General Weather Conditions

Precipitation this month amounted to .50 of an inch. The
prevailing wind direction was from the northeast. There were 14
clear days during this month.

100 Administrative.

125 National Park Service Officers

Mr. Benjamin F. Moomaw, Jr., Assistant to the Superintendent,
Hawaii National Park, arrived in this section June 25, to help organ-
ize a CCC side camp and get buildings started.

150 Equipment and Supplies

24 mattresses were received June 28.

200 Maintenance, Improvements and New Construction.

220 Improvements

Several drainage ditches were dug during the month and old
ones enlarged.

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-2-

500 Use of Park Facilities by the Public.

510 Increase or Decrease in Travel

Check of travel shows 250 cars and 1150 people were in the Haleakala Section during this month. A decrease of .07% under the record for last month is shown.

Sincerely yours,

J. A. Feck,
District Ranger

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII July 8, 1938

REPORT OF CAMP DIRECTOR, CCC-HNP TO THE PARK SUPERINTENDENT, HAWAII NATIONAL PARK FOR THE MONTH ENDING JUNE 30th, 1938.

During this month we enrolled one new boy and discharged six. One by transfer, two who secured employment, one for poor health and two A.W.O.L.

A daily average of 140 enrollees were in the camp of which a daily average of 110 were used on the projects for 22 working days.

There was no skilled laborer on the projects and \$1236.00 of skilled laborer was used on CCC Camp Construction.

The C.C.C. Camp is now functioning 100% but the work is only 95% complete as we have quite a number of loose ends to finish.

All of the water tanks are up but we have a serious shortage of water necessitating our hauling water from the Park. Six of our 10,000 gallon tanks have never had any water in them.

The Ka Hui Mauna Loa made and publication during the month under the supervision of Mr. Herbert R. Rennie, Quartermaster.

The usual safety measures were continued during the month and we had one safety meeting of the entire camp.

Work on the five new employee's residences is going forward in good order. The foundation and lower framing of no. 4 residence are in.

Project training continued during the month.

There were eight minor accidents during the month making a total of 36 lost days.

213 P Repairs to Park Quarters #16 were completed.

The recreational activities continue to be slow due to lack of facilities.

The usual inspection of sanitation, fire etc., continued during the month and was found to be good.

Respectfully submitted,



Frank C. Huston,
Camp Director,
CCC HNP

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STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

JUNE, 1938

SYMBOL	APPROPRIATION	ALLOTTED	EXPENDED & OBLIGATED	BALANCE
148/91000	National Park Service, 1938-39	300.00	0.00	300.00
1481000	Nat'l Park Service, 1938	49,432.00	60,263.29	RE 831.29
1481000	Nat'l Park Service, 1938 (VFFP)	360.00	359.73	.27
1471000	Nat'l Park Service, 1937	44,500.00	44,018.81	481.19
14-1010	Roads & Trails, Nat'l. Park Service	32,400.00	30,705.87	1,694.03
14-1130	Roads & Trails, Nat'l. Parks, Emergency Cons- truction	40,870.65	40,728.90	141.75

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

(Kilauea Section)

TRAVEL REPORT

.....Hawaii..... National Park for the month ofJune, 1935.....

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						
Persons entering via motor vehicles,	14,134	119,532	15,057	121,092	-1,560	.013
Persons entering via other private transportation,	836	2,860	625	2,616	244	.093
Total persons entering via private transportation,	14,970	122,392	15,682	123,708	-1,316	.011

OTHER TRANSPORTATION:

Persons entering via stages, ^{horses,}	521	6,028	549	4,772	1,256	.263
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	521	6,028	549	4,772	1,256	.263
GRAND TOTAL ALL VISITORS,	15,491	128,420	16,231	128,480	-60	.0005

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

-----~~Halekahi~~ Section, ~~Hawaii~~ National Park for the month of ~~June~~, 1938-----

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	250	2831	381	3054	223	.7 decrease
Persons entering via motor vehicles,	1250	14156	1908	15698	1542	.9 "
Persons entering via other private transportation,						
Total persons entering via private transportation,	1250	14156	1908	15698	1542	.9 "

OTHER TRANSPORTATION:

Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	1250	14156	1908	15698	1542	.9 "

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Hawaii National Park for the month of June, 1938

0-2502

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
520.1 - Haleakala Road, Post Construction (F.A.)	100	0	0	
523.- Uwekahuna-Bird Park Road surfg., treatment, 1.75 miles (F.A.)	100	0	0	
524 - Residential Area Rds. completion 3/4 mi. clrg., grdg., and surfg. (FA)	100	0	0	
525 - Headquarters Area Hqs., Improvements, (FA)	100	0	0	
526 - Resurfacing two mile of main park highway at Kaa (west) entrance (FA)	100	20	15	
527 - Haleakala Rd., storm damage repairs (FA)	100	25	0	
FP 663.14 - For erection of one observation station & toilets; one office & checking station; including the purchase of one wood heating stove and miscellaneous furniture, Haleakala	100	0	0	
FP 677.14 - Employee's residence and 100 connecting service lines for newly appointed U.S. Commissioner, including purchase of equipment.	100	0	0	

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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of June 1938

	THIS MONTH		THIS MONTH LAST YEAR	
	APPOINTED	NON-APPOINTED	APPOINTED	NON-APPOINTED
	Reg. P.W.	Reg. P.W.	Reg. P.W.	Reg. P.W.
Number of employees beginning of month.....	21 0	12 0	21 0	15 0
Number of additions.....	3 0	3 0	3 0	0 0
Total.....	24 0	15 0	24 0	15 0
Number of separations.....	2 0	13 0	1 0	3 0
Number of employees close of month.....	22 0	2 0	23 0	12 0
Number of promotions during month.....	0 0	0 0	0 0	0 0
Aggregate amount of annual leave taken.....	88 1/2 0	0 0	83 1/2 0	0 0
Aggregate amount of sick leave taken.....	6 1/2 0	0 0	0 0	0 0
Aggregate amount of leave without pay.....	11/16 0	0 0	0 0	0 0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park. Month of June, 1938

	THIS YEAR	LAST YEAR
Park revenue on hand beginning of month.....	0.00	0.00
Received.....	5.00	100.00
Total.....	5.00	100.00
Remitted.....	5.00	100.00
On hand close of month.....	0.00	0.00
Park revenues received this year to date.....	1,176.50	1,718.82
Park revenues received last year to date.....	1,718.82	450.00
Increase.....	542.32	1,268.82
Percent of increase.....	.315	3.82

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

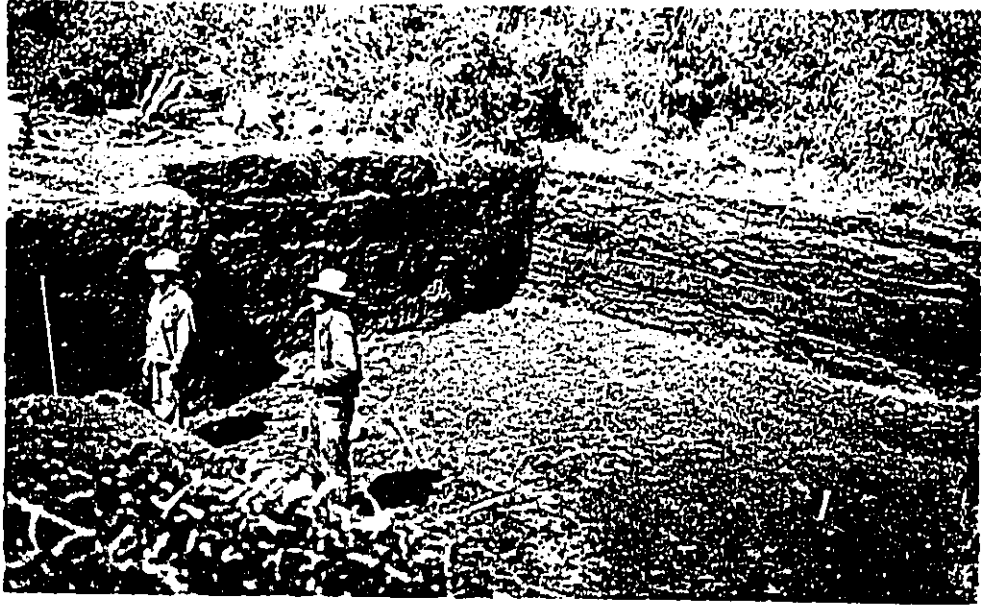
JUNE 1938

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	1,028	145.25
Received during month,	0	0.00
Total,	1,028	145.25
Sold during month,	0	0.00
On hand at close of month,	1,028	145.25

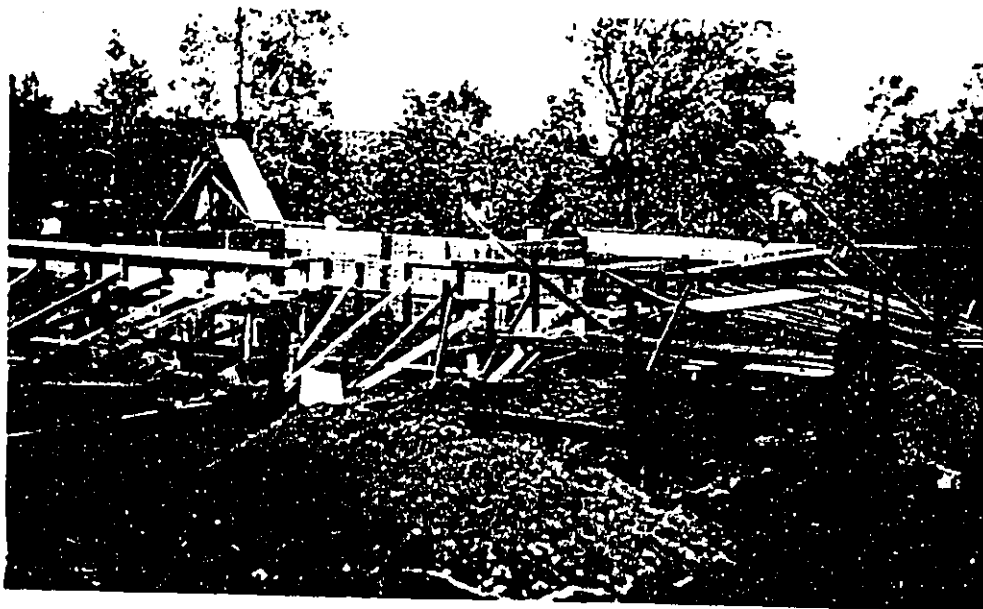
NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,		12.12
Sales during month,		0.00
Total,		12.12
Remitted during month,		0.00
Balance,		12.12



Above - Completed excavation for second of five employees quarters being constructed by CCC



Above - Forms in place for pouring foundations and basement on first of five new quarters at Kilauea.

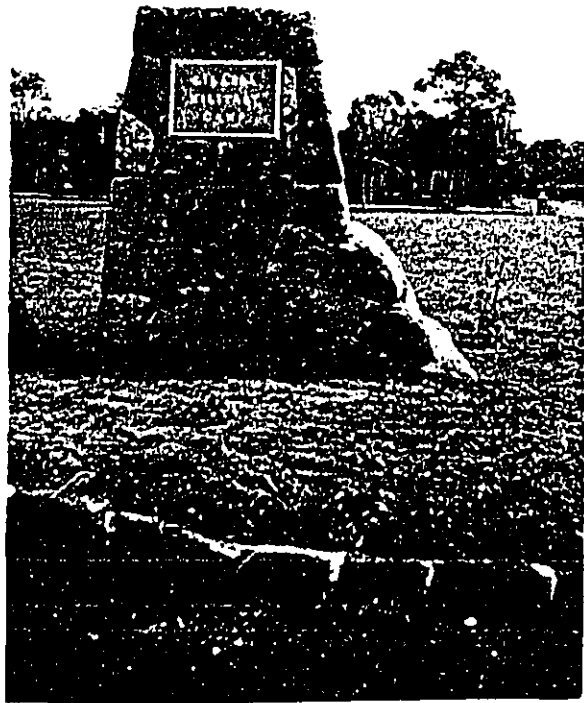


Above - Entrance to new road to theatre at Kilauea Military Camp constructed by CCC

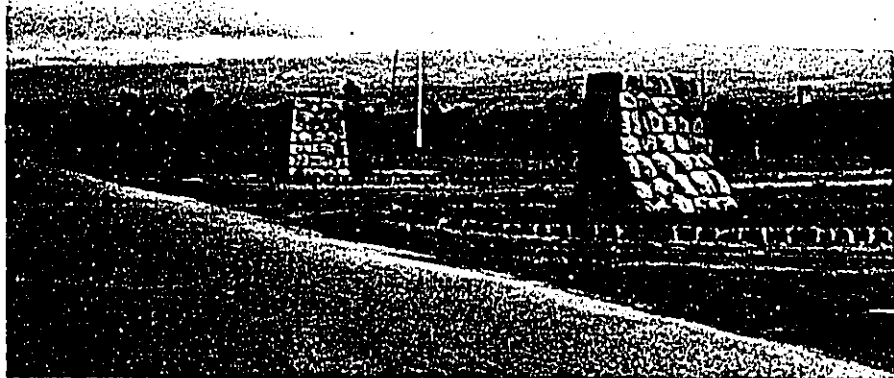


Above - Water storage supply at new CCC Camp - Tanks removed from old camp and set on concrete foundations

Right - Near view of stone gateway and bronze plaque at Kilauea Military Camp-- constructed by CCC



Below - General view of entrance gateway, east entrance, to Kilauea Military Camp-- CCC job



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

June 5, 1938

The Superintendent,
Hawaii National Park.

Dear Mr. Wingate:

Narrative report for the ranger division, month of June, 1938 follows:

000 - General

The most noteworthy event of the month was the passing by Congress of a bill to add the Kalapana Section to Hawaii National Park.

Following the earthquake activity of last month along the Chain of Craters Road, major avalanching of the walls of the pit crater known as Devil's Throat were noted June 6th. Many cracks opened around the pit and great sections of the rim collapsed into the pit. A sounding for depth of the pit was taken June 6th and it was found to have filled in 36 feet, from a depth of 258 feet to 221 feet. Later sliding has probably raised the floor of the pit still more.

020 - General Weather Conditions

Weather in the Kilauea-Mauna Loa and Haleakala Sections of the park was the best in several months with less rainfall and more clear days.

100 - Administration

110 - Status of Work

Three laborers were hired during the month for repair work on the Haleakala Highway.

Twelve laborers were laid off at the end of the month from the Kilauea-Mauna Loa Section after completing repairs to Mamalahoa Highway near the Kau Entrance to the park.

120 - Park Inspections

Routine inspections of all work in progress, both by CCC and the park, including Hilina Pali and Mauna Loa, were made.

150 - Equipment and Supplies

Three electric stoves for employees' residences were received during the month.

180 - Circulars, Publicity, etc.

Natural History Bulletin No. 3, titled, "The Rocks and Minerals of Kilauea--Mauna Loa Section, Hawaii National Park", compiled by B. F. Moomaw, Jr., was completed, mimeographed and made ready for binding and mailing.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

The usual maintenance of telephone lines, trails and signs was carried on during the month. Repairs to quarters #16 were completed and quarters #3 and #4 were repainted.

230 - New Construction

The basement was poured and the frame raised on the first of six employees' residences and excavation completed for two more. A CCC Side Camp was started in the Haleakala Section to start work on the ranger's residence for that place.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

The ranger division continued to alternate with the naturalist in conducting scheduled trips and park tours. A decrease in tourist visitors to the park was shown due to the strike of Inter-Island steamers.

Temporary ranger, Robert L. Plunkett was installed at Haleakala Section June 1st for one month as assistant to District Ranger J. A. Peck.

Temporary ranger, Ralph K. Shaver, was installed as seasonal ranger at Kilauea-Mauna Loa Section, June 22, 1938.

420 - Museum Service

CCC enrollees continued to assist at Uwekahuna Museum.

500 - Use of Park Facilities by the Public

510 - Increase or decrease in Travel

A general decrease in travel to below normal was shown during the month due to the Inter-Island steamer strike.

530 - Visitors

The U. S. Maritime Commission party stopped overnight in the park. They are listed as follows: Mr. Edward C. Moran, Jr.; Mr. Stanley C. Kennedy; Mr. Jon Wiig; Mr. John H. Kangeter; Mr. V. B. Libbey; Mr. S. E. Anthony; Miss Mary W. Bible; Mr. Guy M. Carlson; Mr. David E. Scoll; Mr. Donald S. Payson; Mr. G. A. Basham; Miss Madeline Hayden; Mr. H. B. Cady and Mr. A. G. Patterson.

Mr. E. E. Tillett, Field Supervisor, CCC, Territory of Hawaii, stopped overnight in the park, June 9th.

600 - Protection

610 - Police Protection

On June 28th, the body of Boyd M. Bailiff, Plant Superintendent for Union Oil Co., Honolulu, a suicide, was found in the park. A detailed report of this matter is attached.

Daily patrols of all park roads were made during the month and several reprimands were given for exceeding the speed limit.

650 - Signs

Work on proposed traffic control and direction signs for park roads was completed and work started on a revision of all trail direction signs.

Respectfully submitted


Joseph H. Christ
Chief Ranger

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
June 30, 1938

Edward G. Wingate, Superintendent
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Mr. Wingate:

Check of travel shows 250 cars and 1250 people were in the Haleakala Section during the month of June, 1938. A decrease of .07% under the record for last month is shown.

Starting June 13, we have had 3 men in addition to the permanent men doing improvement work on the park road. To date, good progress has been made.

Some work has been done by the CCC in preparing ground for their buildings.

The narrative report, rangers reports, weather report and monthly travel report enclosed.

Sincerely yours,

J. A. Peck,
District Ranger

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
June 30, 1938

Edward G. Wingate, Superintendent
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Mr. Wingate:

The following report for the Haleakala Section for the month of June, 1938, is respectfully submitted:

000 General.

010 Introduction

Badly needed improvement work has been done on the road by the additional workmen that were hired this month.

020 General Weather Conditions

Precipitation this month amounted to .50 of an inch. The prevailing wind direction was from the northeast. There were 14 clear days during this month.

100 Administrative.

123 National Park Service Officers

Mr. Benjamin F. Moomaw, Jr., Assistant to the Superintendent, Hawaii National Park, arrived in this section June 25, to help organize a CCC side camp and get buildings started.

150 Equipment and Supplies

24 mattresses were received June 28.

200 Maintenance, Improvements and New Construction.

220 Improvements

Several drainage ditches were dug during the month and old ones enlarged.

500 Loss of Park Property by the Public.

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500 Use of Park Facilities by the Public.

510 Increase or Decrease in Travel

Check of travel shows 250 cars and 1250 people were in the Haleakala Section during this month. A decrease of .07% under the record for last month is shown.

Sincerely yours,

J. A. Peck,
District Ranger

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10-23
(May 1929)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii NATIONAL PARK

FILE NO.

MONTHLY REPORT

MAY 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE

6-7410

FILED

June 16, 1938

The Director
National Park Service
Washington DC

Dear Mr. Director:

Due to fact that various members of the staff, from the superintendent down to the stenographer, have been confined to their homes with illnesses of one kind or another, this report is about two weeks late, which fact we exceedingly regret. It is hoped it has not caused too much delay in distributing the May reports.

Very respectfully

Edward G. Wingate
Superintendent

CC - Region IV

cw

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

June 10, 1938

The Director
National Park Service
Washington DC

Dear Mr. Director:

There follows the report of activities for Hawaii National Park during May.

000 - General

Several events of importance occurred during the month. Assistant Director Conrad L. Wirth, and Director Robert Fechner, Civilian Conservation Corps and Mrs. Fechner, arrived in Honolulu on May 1, and visited the Kilauea section of the park between May 4 and 7, and the Haleakala section on May 12.

A spasm of localized earthquakes centering near Kilauea crater commenced on the morning of May 28 with 107 quakes of varying intensity that day and continued in diminishing numbers on into June.

Official hearings by the US Maritime Commission into the rates, practices, etc., of the Inter-Island Steam Navigation Company opened in Honolulu on May 27, with Commissioner E.C. Moran presiding. These hearings and the attendant investigation of the company are being held as the result of long continued efforts of many islands residents to secure an impartial investigation of the apparently excessive rates and discriminatory practices of the company.

On May 26, following an almost unanimous vote by members of the Island Boatmen's Union, the crews on the ships of the Inter-Island Company walked off, tying up all island shipping. The inter-island plane service, however, was not affected.

020 - General Weather Conditions

Total precipitation at headquarters was 7.02 inches, at the CCC camp 4.36 inches and at Haleakala .03 inch. The night of the 13th there was a total eclipse of the moon, which was visible in its entirety in the park. The district ranger at Haleakala reports that wind velocity there reached 45 m.p.h. on the 16th, while at Kilauea the highest rate was 17 m.p.h. on the 2nd.

100 - Administration

120 - Inspections By:

121 - Superintendent: The superintendent, who had gone to Honolulu in April to welcome Mr. and Mrs. Fechner and Mr. Wirth, returned with the party on the 4th. While in the park inspections were made of all projects, and he accompanied these people around the island and sailed with them to Maui on the 11th, continuing on to Honolulu on the 13th, and remaining there, except for a short trip to Kauai on the 17th and 18th, until the 28th, at which time he returned to the park. While in Honolulu he attended the opening hearing conducted by the US Maritime Commission in connection with the Inter-Island Steam Navigation Company rate structure.

124 - Other Governmental Officers: The Fechner party, which also included Field Supervisor E.E. Tillett of the CCC, arrived in the park on the 4th and stayed until the 7th, when they left for an inspection trip around the island of Hawaii. They sailed for Maui on the 11th, visiting the Haleakala section on the 12th. In addition to inspections of the park and CCC projects, the general locality, etc., there were several parties given in their honor, among which were the lauau given by Samuel Spencer, Chairman of the Hilo County Board of Supervisors, a special meeting of the Hilo Federal Business Association and an informal reception at the superintendent's residence. Both Mr. Fechner and Mr. Wirth expressed themselves as well pleased with conditions as they found them. As a result of their visit several badly needed employees' quarters were recommended and approved for construction, from a balance in our camp construction fund and also an additional allotment of \$9,000 from surplus CCC funds from other localities; besides the continuation of a small CCC unit at Haleakala.

130 - Finance and Accounts

A detailed statement is attached

140 - Labor Situation

The strike of the Inter-Island crews has been mentioned under 000 - General. However, the Humuula, a combination cattle and passenger boat, which calls at the Kona ports, has remained in service, the company being able to keep a sufficient crew of non-union members. With the exception of the difficulty of getting cars transported ^{between the islands}, the added expense of plane travel, and difficulty of obtaining reservations, the strike has not been felt too heavily on this island. Mail service is more frequent, through the cooperation of the Navy and Coast Guard, and all freighters are making Hilo a direct port of call.

150 - Equipment and Supplies

One concrete mixer and one exposure meter were received during the month.

170 - Plans, Maps and Surveys

For the six new houses it was decided to use the previously approved plans for quarters No. 16, and following Mr. Wirth's request the Director approved several changes in this plan to reduce the construction cost.

180 - Calculars, Publicity Bulletins, etc.

One press release regarding contemplated horseback trips to the summit of Mauna Loa, during June, July and August, was sent out to local papers.

200 - Maintenance, Improvements and New Construction210 - Maintenance

Extensive work will be necessary on the Chain-of-Craters road, which was badly cracked, especially between Pauahi and Aloi craters, from the earthquakes of the 28th. In one instance, part of the road near Pauahi crater, caved in, necessitating closing the road from that section to Makoa-ouhi crater. Many of the cracks left openings from 1 to 7 inches wide, running in a general northeast-southwest direction. Many bumps were also formed, and in several places settlement of the macadamized road surface of over 6 inches took place. It is not thought desirable to commence any repair work on this road until it is reasonably certain that the present ground movement in this vicinity has come to an end. In all there were 18 different sections of the road cracked through and present damage amounts to about \$3,000.

300 - Activities of Other Agencies in the Park310 - Public Service Contractors

313 - Schedules of Rates: Approved 1938 rates for both the Volcano House and Volcano Photo Studio were received and distributed to the operators.

350 - Donations

Kaamoku Waipa, one of the Hawaiian laborers, has offered to donate a stone poi pounder, which he made himself, to the park, to be exhibited at Uwekahuna museum with the native calabash, which the park already owns. Separate request recommending the acceptance of his poi pounder is being forwarded the Washington office.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Ranger Kenneth J. Williams was married in Honolulu on the 3rd, to Mrs. Ethel Love of that city. He also submitted his resignation from the Service, to take effect at the expiration of his annual leave, in order to accept a position in Honolulu.

480 - Natural Phenomena

A detailed report of the activities of the Volcano Observatory is attached. The measurements at Halemauau showed nothing exceptional during May until the forenoon of the 28th. At that time, beginning about 6 a.m., almost continuous quaking developed with several moderate shocks that were generally felt. On the same day it was discovered that one large crack and numerous small ones were starting in an east-west direction athwart the Chain-of-Craters road between Pauhi and Aloi craters. The nature of the development appears to be block faulting. This motion along the eastern rift of Kilauea implies extension westward of the active cracks of 1924, 1923 and 1922; and the hot spot which is killing the vegetation in the vicinity of Puhimau crater appears to indicate the presence of active magma below. The diminishing seismic activity continued to the end of the month, though Halemauau showed no sign of erupting. Location of the quakes indicated they were partly some 5 to 6 miles from the Observatory and a few as little as 2 miles distant.

Dr. Jagger, who had been absent from the Islands since April 16, returned on May 21. The main objects of his trip were to attend the annual meeting of the American Geophysical Union in Washington, the officers of which had requested him to be one of five speakers at a symposium; and also to attend the annual conference of the YMCA in St. Louis. While he was away he also lectured at the University of Cincinnati.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel to Kilauea amounted to 18,340 visitors, as compared with 19,181 for May 1937, and at Haleakala there were 1260 visitors. Due to the strike, which shows no indication of breaking, travel to the park will probably be greatly diminished this season.

530 - Visitors and Special Parties

- May 1 - Approximately 200 passengers from the SS Reliance, for lunch.
2 - General Herron, commanding the Hawaiian Dept., USA, Mrs. Herron Mrs. O.O. McIntyre, widow of the celebrated columnist, and Mrs. Will Hays, wife of the movie czar. They were at the Military Camp for several days.

May 14 - Dr. and Mrs. Reichert, of Northwestern University, where Dr. Reichert is Professor of Pediatrics

28 - The various Lions' Clubs of the Territory held their annual convention at the Volcano House. There were approximately 65 delegates in attendance, though had the steamers been running there would have been about double that number.

900 - Miscellaneous

CCC

Work on the new camp is about 75% complete and the boys have already moved in. The camp is functioning much better in the new quarters, and the kitchen and mess-hall can be maintained in a clean and sanitary condition with much less cost and labor.

Work on the 5 employees' quarters is underway, with the clearing and excavation of cellars started.

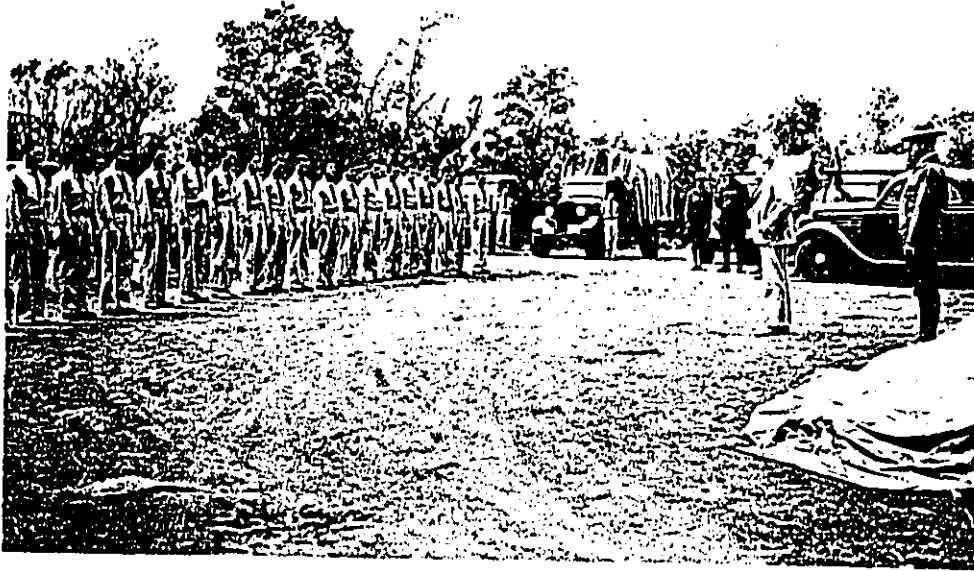
CCC Director and Mrs. Fechner, Assistant Park Service Director Wirth, in addition to a number of the park people, were guests at dinner at the old camp on the 5th.

The superintendent accompanied Assistant Director Wirth and Director Fechner CCC to the island of Kauai for the purpose of looking over the suggested addition to the park on that island and to attend a public hearing on the matter called by the chairman of the Kauai Board of Supervisors. The meeting was well attended and as anticipated almost unanimous opposition was voiced to the proposal, the Chamber of Commerce, Board of Supervisors, and Kauai Historical Society each presented resolutions opposing the proposal. Despite the strong opposition the meeting was entirely friendly, the superintendent's presentation of the matter being well received, and actually some ground gained. The opposition was about equally divided among those who objected to opening up the region to the public and those who objected because no one would be permitted to enjoy camping or other privileges there. A complete report will be submitted later.

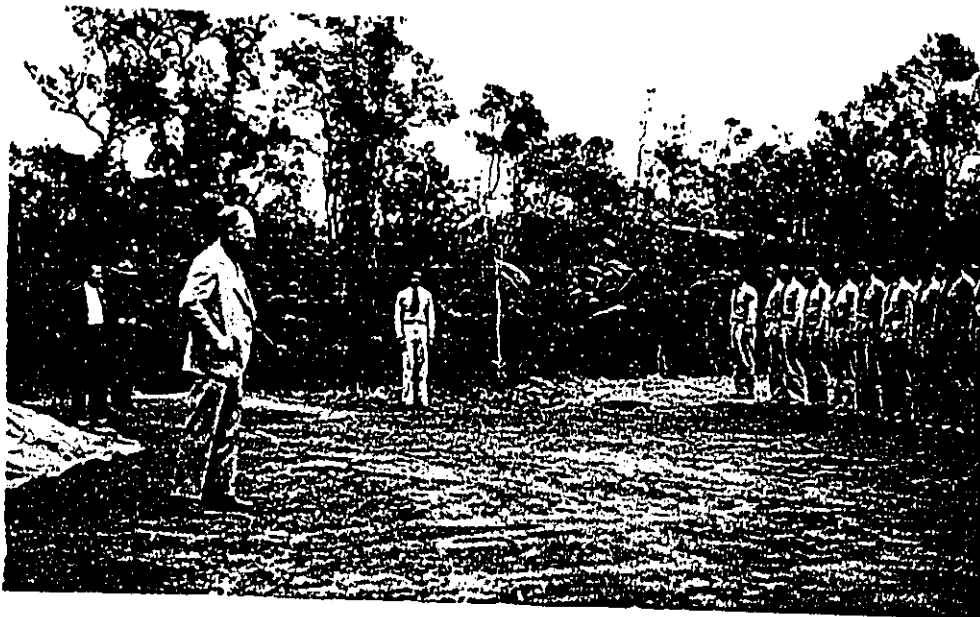
Respectfully submitted

Edward G. Wingate
Superintendent

CW



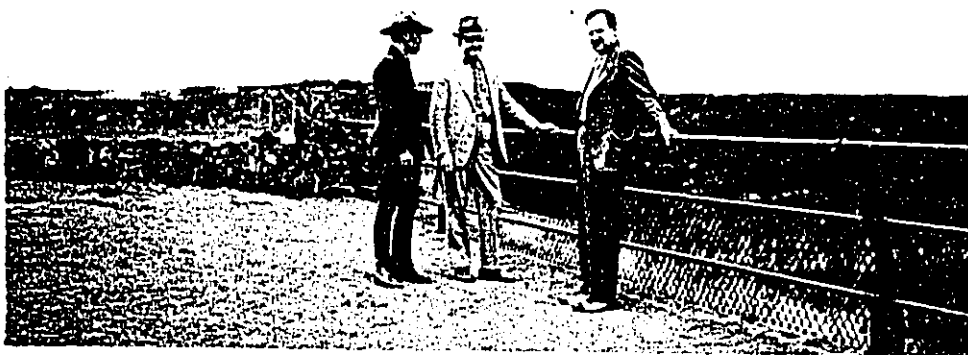
No. 1. Two views of CCC Director Robert Fechner addressing enrollees and supervisory personnel at old CCC Camp, Hawaii National Park.



No. 2.



No. 3. CCC Director Robert Fechner and Assistant Director National Park Service Conrad Wirth visit Halemauau. Left to right - #3 - Messrs. Fechner, Wingate, Wirth and Tillett.
No. 4. Messrs. Wingate, Fechner and Wirth.

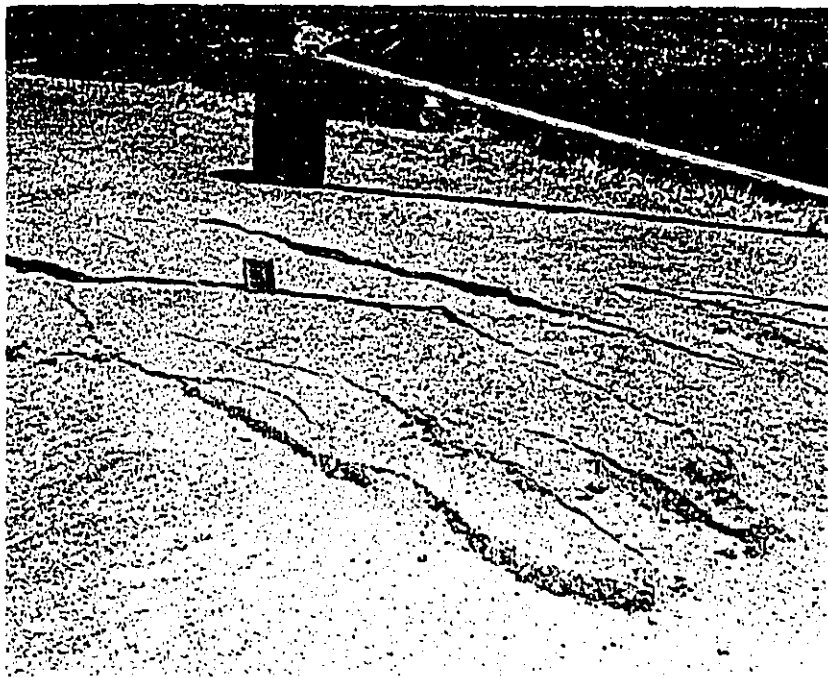


No. 4.

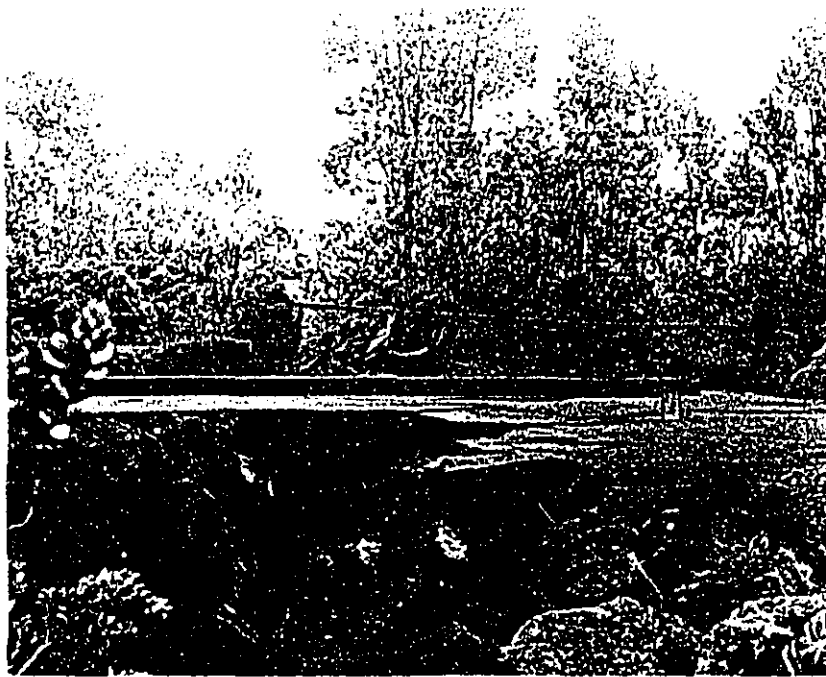
No. 5, 6, 7, 8. Earthquake and faulting damage to Chain of Craters Road.



No. 5. Showing faulting along old crack of about 1 foot and caving in of roadway at Pauahi Crater.



No. 6. Close up of surface cracking showing pressure ridges caused by faulting and warping.



No. 7. Close up of caved in portion of roadway at Pauahi Crater.



No. 8. One of 18 or more cracks which developed across roadway during earthquake spasm beginning May 28.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

June 1, 1938

Edward G. Wingate, Superintendent
Hawaii National Park

Subject: Report of the
Hawaiian Volcano Obser-
vatory for May, 1938

Dear Mr. Wingate:

The assistant geologist continued in charge of the Observatory until May 19, when the volcanologist returned from an official journey to Washington. The month was notable for development of a new hot spot in the forest south of Kokoolau crater along the Chain-of-Craters drive; and at the end of the month, a swarm of earthquakes at Kilauea crater, accompanied by fault movements which cracked the roadway extensively between Pauahi and Aloi craters.

Volcanic Activity of the Month

The measurements at Halemaumau pit showed nothing exceptional during the month of May until the forenoon of May 28. At that time, beginning about 6 a.m., almost continuous quaking developed with several moderate shocks that were generally felt. On the same day it was discovered that one large crack and numerous small ones were developing in an east-west direction, athwart the Chain-of-Craters road between Pauahi and Aloi craters. The nature of the development appears to be block faulting, with downthrow to the south, and there is possibly some graben faulting. This motion along the eastern rift belt of Kilauea implies extension westward of the active cracks of 1924, 1923 and 1922; and the hot spot which is killing the verdure indicates the presence of active magma below. The diminishing seismic activity continued to the end of the month and a seismoscope was placed near the Chain-of-Craters road. Halemaumau showed no sign of breaking out. Location of the earthquakes indicated that they were partly some five to six miles from the Observatory, and a few as little as two miles distant. These distances are those of the SE crater rim and Pauahi or slightly beyond.

The following are the local data for the month:

<u>Week Ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack Openings</u>	<u>Quakes</u>
May 8	10.50	3	2.5 mm	36
15	11.75	5	5.5 mm	40
22	8.75	0	3.0 mm	27
29	247.75	8	4.0 mm	726 (includ- ing 593 min- utes of tremor)

Shocks capable of being felt occurred on May 5 of Kilauea origin, May 16 of Mauna Loa origin, and the Kilauea shocks above mentioned of May 28-30.

Work of the Volcanologist

Dr. Jaggard was absent from Hawaii April 16 to May 19. The main object of his trip to Washington was to attend the annual meeting of the American Geophysical Union, the officers of which had asked the Park Service to permit him to be one of five speakers at a symposium on "The Physics of Volcanic Processes" before the General Assembly of the Union April 29.

The volcanologist also carried with him the new plans of the proposed Volcano Observatory building, having in view a special mission with the central office in Washington to start this building and finance the beginning of its construction.

During the journey east he worked on the manuscripts of papers for the Geophysical Union. Arriving in Washington he called on Director Cammerer April 26, and obtained the Director's approval of a project to use CCC labor in starting the new building. A telegram was sent by the Director to this effect, to be the subject of conference in Hawaii between Superintendent Wingate and Messrs. Fechner and Wirth. The Director expressed strong approval of a motorcycle trail to the top of Mauna Loa, of the Kalapana addition to the park, and of getting the proposed additional land on Mauna Loa, after the barrier survey and construction have been completed on the territorial land. Calls were made on Dr. Bryant, Mr. Trager, Mr. Kittredge and Mr. Coffman.

On April 27 a paper was presented by Dr. Jaggard at the Geodesy Section of the Union on "A Star Zenith Finder"; another at the Seismology Section on "A Simple Seismoscope." On April 28 another paper illustrated with lantern slides was given before the Volcanology Section on "The Bombing of Mauna Loa." On April 29 the paper given at the General Assembly, illustrated with lantern slides, was on "The Structural Development of Volcanic Cones."

The special thesis of this paper is a comparison between useful scientific study of atmosphere with the lithosphere, the extraordinary calendar of regular eruptions in Hawaii 33 years apart, and the way this was successfully applied to prediction in recent years.

Plans were developed at this meeting, for the greater meeting to be held in Washington in September 1939, of the International Geophysical Union, in which the Volcanologist is First Vice-President for Volcanology. This meeting will be an assembly of geodesists, meteorologists, oceanographers, volcanologists, seismologists and others from all over the world, with excursions, exhibits, general lectures, sectional meetings and publications.

Dr. Jaggard had some interesting discussions of the Hawaiian situation with Dr. Daly of Harvard, who thinks that Benioff optical seismographs ought to be distributed in the hands of competent operators throughout the Hawaiian

Islands. Something of this sort is being done for New England by the Harvard and Massachusetts Institute of Technology groups.

The Volcanologist lectured at the University of Cincinnati April 30 on the "Bombing of Mauna Loa" and was entertained there by Dr. and Mrs. George B. Barbour. Dr. Barbour is Professor of Geology and Dean of the College of Arts and Sciences.

A second motive for this trip was the attendance by Dr. Jaggard at the meeting in St. Louis May 3-6 of the National Council of the YMCA, to which he was a delegate from Hawaii. This organization had provided the ocean steamer expenses to and from the Pacific coast. Several other delegates from Hawaii were present, and the meeting achieved constructive service in social problems. While in St. Louis he visited the Alton Dam of the Mississippi, which has only recently been completed for control of the river and navigation.

The next objective of this journey was Las Vegas, Nevada for inspection of Boulder Dam Recreation Area. The dam was visited May 10, the lake May 11, and the federal establishments May 12. These included the laboratories of the Bureau of Mines, which are utilizing Boulder Dam power for high temperature furnaces. The opportunity for a new exploration of the Nevada desert mountain ranges is extensive, when power and water are available, wherewith to start new centers of attractive employment. Messrs. Edwards, Rose and Shinn of the Park Service showed me interesting fossils and photographs. The opening of the whole country by this great engineering enterprise is enormously stimulating.

On May 13 the Reiber Laboratory was again visited, and found to be making great improvements in methods of geophysical surveying. The volcanologist sailed on steamer Lurline May 14, arriving in Honolulu May 19 and Hilo May 21. It is to be hoped that the construction of the new building will be begun in the near future, and if so, it seems likely that renewed interest will be shown financially by the people interested in volcano science in Hawaii, having in view technical publication of volcanologic results during the next decade.

In Honolulu conferences were held with University officials on summer work in volcanology and with Volcano Research Association officials on publications in the immediate future. Plans were laid for a leave-of-absence of the Volcanologist in June, during which he will visit Rochester with reference to instruments, New York with reference to the monograph on "Craters," and some New England colleges.

Work of the Seismologist

Mr. H.H. Waesche, Assistant Geologist, operated the Observatory during the absence of the Volcanologist and prepared the weekly seismological and press reports, the monthly Observatory report and brought all records up to date. He prepared an article for the March Volcano Letter on the "Earthquake

of January 22, 1938." He drafted the earthquake location maps for Kilauea and the island of Hawaii for the year 1937. He continued working up earthquake data of 1935, 1936 and 1937.

On May 5 he visited, with Yasunaka, the end of the Mauna Loa truck trail to inspect the new seismograph cellar which is now ready for use. Conferences were held at this time with Messrs. Wirth and Fechner concerning the proposed new Volcano Observatory building.

On May 8 a seismoscope was installed at the residence of the manager of Kapapala Ranch, Mr. Bradford Sumner. Another such instrument is set up in the operator's room of the Hilo Telephone Exchange. Two other instruments are ready in addition to the one in operation in the cellar of the Observatory and these it is planned to place at telephone exchanges in Waiohinu and Kamuela respectively.

On May 9 stonework in the park was inspected with Mr. Pope, landscape architect of CCC, to determine the nature of a white stain that has appeared. Test with vinegar showed the stain to be occasioned by carbonate of lime from the cement mortar.

On May 10 inspection was made with Naturalist Lamb and Chief Ranger Christ of a new hot spot in the forest near Kokoolau crater, where the vegetation is freshly killed. It was decided that the naturalist will put in some soil thermometers.

On May 16 Mr. Waesche visited the CCC camp with Mr. Huston for a conference on radio installation for the camp.

Work of the Assistants

S. Sato, librarian and assistant, has been at work on classifying the field notes and typewriting the Record Book pages of the Observatory for recent years.

A. Okada has continued to build seismoscopes or shock recorders for distribution about the island of Hawaii.

H. Yasunaka has carried on his usual work of assisting in seismograph routine and acting as general outdoor man in the shops and garages.

Visitors

The following were among the visitors to the Observatory

- May 1 - Passengers from the steamship Reliance, around-the-world tour.
- May 4 - General Herron, commanding the Hawaiian Department, USA.
Mrs. O.O. McIntyre and Mrs. Will Hays.
- May 7 - Mr. and Mrs. Robert Fechner and Mr. Conrad L. Wirth. Mr. Fechner is Director of the Civilian Conservation Corps. Mr. Wirth is Assistant Director, National Park Service, and advisory counsel to the Director CCC.

May 14 - Dr. Robert Faus of Honolulu
Dr. and Mrs. Reichert, Professor of Pediatrics, Northwestern
University

Lectures

The following were lectures by Dr. T.A. Jaggar:

- April 27 - A Star Zenith Finder, American Geophysical Union, Washington
- A Simple Seismoscope, American Geophysical Union, Washington
- April 28 - Bombing of Mauna Loa, American Geophysical Union, Washington
- April 29 - Structural Development of Volcanic Cones, American Geophysical
Union, Washington
- April 30 - Bombing of Mauna Loa, Meical School Auditorium, University of
Cincinnati.

Very respectfully

T.A. Jaggar
Volcanologist

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STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

MAY, 1938

SYMBOL	APPROPRIATION	ALLOTTED	EXPENDED & OBLIGATED	BALANCE
1481000	National Park Service, 1938	\$49,432.00	\$48,320.90	\$1,111.10
1481000	Nat'l Park Service, 1938 (FFFP)	360.00	332.48	27.52
1471000	National Park Service, 1937	44,500.00	44,017.65	482.35
14-1010	Roads & Trails, National Park Service	32,400.00	30,428.87	1,971.13
14-1130	Roads & Trails, National Parks, Emergency Construction	40,870.65	40,728.90	141.75

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Hawaii National Park for the month of May, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						
Persons entering via motor vehicles,	17,012	105,398	17,584	106,035	-637	.006
Persons entering via other private transportation,	424	2,024	475	1,991	33	.011
Total persons entering via private transportation,	17,436	107,422	18,059	108,026	-604	.006

OTHER TRANSPORTATION:

Persons entering via stages ^{Hotel} stages,	904	5,507	1,122	4,223	1284	.304
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	904	5,507	1,122	4,223	1284	.304
GRAND TOTAL ALL VISITORS,	18,340	112,929	19,181	112,249	710	.007

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Haleakala Section, Hawaii National Park for the month of May, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	252	2581	456	2673	92	.3
Persons entering via motor vehicles,	1260	12906	2180	13790	884	.6
Persons entering via other private transportation,						
Total persons entering via private transportation,	1260	12906	2180	13790	884	.6

OTHER TRANSPORTATION:

Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	1260	12906	2180	13790	884	.6

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-160

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park for the Month of May, 1938

	This Year	Last Year
Park revenue on hand beginning of month,	0.00	0.00
Received,	<u>260.75</u>	<u>150.00</u>
Total,	260.75	150.00
Remitted,	<u>260.75</u>	<u>150.00</u>
On hand close of month,	<u>0.00</u>	<u>0.00</u>

Park revenues received this year to date, 1,171.50

Park revenues received last year to date, 1,618.82

~~Decrease~~ Increase ~~Decrease~~ 447.32

Per cent of ~~decrease~~ increase ~~decrease~~276

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10-159
 (May 1931)
 (99566)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of May, 1938

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
	Reg.	P.W.	Reg.	P.W.
Number of employees beginning of month	21	0	20	0
Number of additions.....	0	0	1	0
Total.....	21	0	21	0
Number of separations.....	0	0	0	0
Number of employees close of month.....	21	0	21	0
Number of promotions during month.....	13	0	0	0
Aggregate amount of annual leave taken	48	0	39	0
Aggregate amount of sick leave taken....	49	0	1-3/4	0
Aggregate amount of leave without pay..	0	0	0	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Hawaii

May, 1938

National Park for the month of

*** 6-552

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
520.1 - Haleakala Road, Post Construction (F.A.)	100	0	0.5	
523 - Uwekahuna-Bird Park Road surfg., treatment, 1.75 miles (FA)	100	0	0	
524 - Residential Area Roads completion 3/4 mile clrg., grdg., and surfg. (FA)	100	0	0	
525 - Headquarters Area Roads, Improvements, (FA)	100	0	0	
526 - Resurfacing two mile of main park highway at Kan (west) entrance (FA)	50	15	30	
527 - Haleakala Road, storm damage repairs (FA)	0	0	0	
FP 663.14 - For the erection of one observation station & toilets; one office & checking station; including the purchase of one wood heating stove and miscellaneous furniture, Haleakala	100	0	0	
FP 677.14 - Employee's residence and connecting service lines for newly appointed U. S. Commissioner, including purchase of equipment.	100	0	0	

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii National Park

REPORT OF SALES OF PUBLICATIONS

May, 1938

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	1,043	151.90
Received during month,	0	0.00
Total,	1,043	151.90
Sold during month,	15	6.65
On hand at close of month;	1,028	145.25
<u>NON-GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month;		
Received during month;		
Total,		
Sold during month,		
On hand at close of month,		
Cash on hand beginning of month,		12.12
Sales during month,		6.65
Total,		18.77
Remitted during month,		6.65
Balance,		12.12

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

PRESS BULLETIN
IMMEDIATE RELEASE

Edward G. Wingate, Superintendent

May 00 - Riding trips to the summit of Mauna Loa have been planned under the guidance of a guide thoroughly familiar with the mountain. The Volcano House is sponsoring expeditions to the 13,000 foot elevation during June, July and August. These will be three-day trips leaving Saturday and returning Monday by 10 a.m., and limited to a maximum of eight persons and a minimum of three.

The Volcano House will furnish riding animals for these trips at \$5 each per day, also \$5 per day for guide.

One resthouse with sleeping and cooking accommodations is located at Puu Ulaula at 10,000 feet, where a fine view of the table-land between Mauna Loa and Mauna Kea, Kohala, Hilo, Puna and Kau, including Kilauea, is unfolded.

On these trips it will be necessary for visitors to provide their own food, kerosene for cooking and such warm clothing as they may desire.

Reservations should be made through the office of the superintendent, Hawaii National Park. Dates set are as follows: June 18 to 20, and 25 to 27; July 2 to 4, 9 to 11, 16 to 18, 23 to 25, and July 30 to August 2. August 6 to 8, 13 to 15, 20 to 22, and 27 to 29.

da W
77 June 3, 1938
[Signature]

June 3, 1938

The Superintendent
Hawaii National Park

Dear Mr. Wingate:

There follows the report of the ranger division for the month of May, 1938.

000 - General

A general air of expectancy has prevailed in the Kilauea area since May 28. On that date 107 local earthquakes were recorded. The government road between Pauahi and Aloi Craters and the Keauhou road south of Chain-of-Craters region were badly cracked. In one instance part of the road caved into a large underground cavity necessitating the closing of the road. Most of the cracks left openings from 1 to 7 inches wide running in a general northeast-southwest direction across the road. Many bumps were formed in the road and in several places settlement of the macadamized road surface of over 6 inches took place. Seismic activity has been continual since May 28 indicating underground movements of lava with assurance that an eruption in Kilauea may be near at hand.

The most noteworthy events of the month were the visits of Assistant Director Wirth and Director Fechner of the CCC, and the round-the-world boat, SS Reliance with 200 passengers. Several were asked by the rangers which port of call impressed them the most. Bali was the most popular because they could see more of the primitive life.

020 - General Weather Conditions

There were frequent rains in Kilauea section and only 12 clear days at Haleakala section.

100 - Administration

110 - Status of Work

All work was current in both sections.

120 - Park Inspections

Routine inspections were made of all work in progress both park and CCC including Hilina Pali and Mauna Loa

150 - Equipment and Supplies

One concrete mixer was received during the month

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170 - Plans, Maps and Surveys

The plans and locations for 6 employees' residence were completed

180 - Circulars, Publicity, Etc

A press release regarding contemplated horseback trips to the summit of Mauna Loa was released

200 - Maintenance, Improvements and New Construction

210 - Maintenance

The usual maintenance of telephones, trails and signs was carried on during the month.

230 - New Construction

Work was started on one of the six employees' residences.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

The ranger division continued to alternate with the naturalist in conducting scheduled trips and park tours.

420 - Museum Service

CCC enrollees assisted at Uwekahuna museum

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel increased to above normal due to the snow on Haleakala District Ranger reports.

530 - Visitors

In addition to the passengers from the SS *Eliaunce*, CCC Director ~~Recher~~ and Assistant Director Wirth, the various Lions Clubs in the Territory held their annual convention at the Volcano House on the 29th.

600 - Protection

610 - Police Protection

Daily patrols were made during the month and one reprimand was made for speeding in the park.

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Assistance was given to three motorists with minor trouble in the park by rangers.

620 - Fire Protection

All fire equipment was checked for defects.

650 - Signs

All signs needing repairing and painting were attended to.

Respectfully submitted

Joseph H. Christ
Joseph H. Christ
Chief Ranger

*Noted - G.P.W.
Good report
6/9/28*

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
May 30, 1938

The Superintendent,
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Sir:

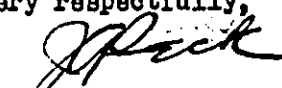
Check of travel shows 252 cars and 1260 people were in the
Holeskale Section during the month of May, 1938. A decrease of 55%
under the record for last month is shown.

Travel increased to above normal last month, due to the snow.

Wind velocity was 17 miles per hour May 7, and 43 m.p.h. May 16.

The narrative report, rangers report, weather report, weekly and
monthly travel reports are enclosed.

Very respectfully,


J. A. Peck,
District Ranger

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
May 30, 1938

The Superintendent,
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Sir:

The following report for the Haleakala Section for the month of May, 1938, is respectfully submitted:

000 General.

010 Introduction

The strike of the Inter-Island Steam Navigation Company's employees lessened travel this month, as an excursion to Maui from Honolulu, due here this last week-end, could not be made.

020 General Weather Conditions

Precipitation in the park this month amounted to .03 of an inch. The prevailing wind direction was from the northeast. There were 12 clear days during this month.

100 Administrative.

120 Park Inspections by

121 Superintendents

This section was inspected by Superintendent Edward G. Wingate May 12.

123 National Park Service Officers

Conrad L. Wirth, Assistant Director and Benjamin F. Moomaw, Assistant to Superintendent Wingate inspected the Haleakala Section May 12.

125 Other Governmental Officers

Robert Fechner, National Director of the C.C.C. E.E. Tillett, Field Supervisor of the C.C.C. and Warren Lytle, Camp Director, inspected this section May 13.

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500 Use of Park Facilities by the Public.

510 Increase or Decrease in Travel

Check of travel shows 252 cars and 1260 people were in the Haleakala Section this month, a decrease of 55% under the record for last month. Travel increased to above normal last month, due to the snow.

Vary respectfully,

J. A. Peck,
District Ranger

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6/1/25 - 6/9/25

10-23
(May 1929)

6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

----- NATIONAL PARK

FILE NO.

MONTHLY REPORT

APRIL, 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE

6-7410

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

April 10, 1938

The Director
National Park Service
Washington DC

Dear Mr. Director:

There follows the monthly report of activities in Hawaii National Park for the month of April.

000 - General

The red blossoms of the ohia-lehua trees along the road between Hilo and the volcano commenced to open about the first of the month and by the end were in full bloom making a very lovely sight indeed. Also the kolea trees in the various sections of the park, and especially the Bird Park area, are sprouting new foliage and the pink and maroon tints of the leaves are beautiful in the early morning and late afternoon sunlight.

020 - General Weather Conditions

Total precipitation at headquarters amounted to 9.54 inches, at Haleakala 5.2 inches, and at the CCC camp 6.68 inches. On the 6th and 7th, 4.5 inches of snow fell at Haleakala, attracting a number of sightseers. On the 8th and 9th, 14.32 inches of rain were reported at Hilo, which resulted in considerable damage in the lower spots of the town.

100 - Administration

110 - Status of Work

David Hu entered on duty as storekeeper on the 27th. The filling of the position, which is a new one, will greatly relieve the work of the chief clerk's office.

120 - Inspections By:

. 121 - Superintendent: Routine inspections of all regular park and CCC projects were made by the superintendent during the month.

125 - Other Governmental Officers: Word was received from Assistant Director Conrad L. Wirth that CCC Director Fechner, Mrs. Fechner and Mr. Fechner's secretary, Mrs. Holbrook would be sailing for the Islands on April 26, arriving in Honolulu on May 2. Preparations were under way immediately for various inspections trips and also meetings with different organizations on the major islands.

130 Finance and Accounts

A detailed report is attached. Preliminary estimates for the 1940 fiscal year were mailed on the 27th.

140 - Labor Situation

As a result of the protest filed by the Hawaiian Sugar Planters' Association in connection with the prevailing plantation labor wage schedule and low prices received for their sugar, which were set by the Secretary of Agriculture, hearings were conducted on each of the major islands during April - Kauai on the 8th, Honolulu the 11th, Maui the 14th, and Hilo on the 18th - by Mr. Garibaldi La Guardia, senior agricultural economist of the AAA and Mr. Robert H. Shields, head of the legal division of the Department of Agriculture, assisted by Mr. George Mills, AAA Administrator in Honolulu, and General Briant H. Wells, Secretary-Treasurer of the HSPA.

150 - Equipment and Supplies

One L.C. Smith 18" typewriter and several fire extinguishers were received during April.

180 - Circulars, Placards, Publicity Bulletins, etc.

Press memoranda were issued in connection with the promotion of Benjamin F. Moomaw, from ranger to the position of assistant-to-the-superintendent, and also regarding the blooming of the chia-lehua trees and new foliage on the koleas.

In commemoration of the 100th anniversary of the birth of John Muir, Mr. Moomaw gave a short biographical sketch over radio station PHBC in Hilo on the 21st. Biographical material was also furnished the local newspapers, and schools.

In compliance with the request from the Washington office, suggested changes for that part of Glimpses of Our National Parks dealing with Hawaii, were forwarded on the 28th.

Word has been received from the Wildlife Division that the paper "Wildlife Problems in Hawaii National Park" by Assistant Park Naturalist Lamb, is to be published in American Wildlife. A full column review of this paper appeared in the April 9 edition of Science News Letter.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

A severe storm which occurred in the early part of the month did considerable damage to roads and trails in the Haleakala section. The Haleakala highway was damaged in several places by washouts and much gravel and silt washed on to the roadway. The Halemau-u trail was severely washed and will need extensive repairs.

220 - Improvements

The resurfacing of the Kau entrance road is progressing satisfactorily. Some work has also been done toward protecting the public from the hole near the trail through the first twin crater in the vicinity of the Thurston Lava Tube, which was the scene of an accident to a sailor from the USS Portland. Complete details regarding this accident will be found under 630-Accident.

230 - New Construction

At the end of April construction at the new CCC camp was about 75% complete.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

313 - Schedules of Rates: Revised 1930 rates for the Volcano House Company were submitted on the 7th.

315 - New Contracts: Request was received from radio station KHBC in Hilo to install receiving set and antenna at the Volcano House for the purpose of rebroadcasting of radio programs from Honolulu and elsewhere, due to the weakness of the reception of Honolulu programs especially in Hilo. Special use permit has been issued to the station in accordance with the suggestion of the Washington office.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Mr. John E. Minter of Fullerton California entered on duty as ranger April 23. Ranger Olson was transferred to the Haleakala section on the 4th as acting district ranger, during the time it is necessary for district ranger Peck to be on sick leave, which will be three or four weeks. Ranger Kenneth J. Williams went on leave on the 26th, which left the park with but one ranger for the balance of the month, although the chief ranger was relieved of his duties as acting CCC camp director on the 30th. At that time Mr. Frank C. Huston, formerly of Zion National Park, arrived to take over that position.

Recommendation for the appointment of P. Ernest Schulz of California as ranger was submitted through Region IV on the 16th. The promotion of Benjamin F. Moomaw from the position of ranger to that of assistant to the superintendent was effective on the 1st. Suggestions for an examination for the position of junior park warden in Hawaii were submitted to the Civil Service Commission on the 6th.

470 - Animals

A two-day goat drive was conducted during the month by the CCC, resulting in the capture of 611 goats. Seventy-two rats were trapped at the CCC camp and 11 at the chief ranger's residence.

480 - Natural Phenomena

Dr. Jaggard, Volcanologist, departed for Washington on the 13th, where he will take part in the symposium of the American Geophysical Union

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel to the Kilauea section amounted to 15,367 visitors, an increase of 1316 over April 1937. At the Haleakala section the acting district ranger reported 2800 visitors, an increase of 15% over March, which was no doubt due to the late snowfall.

520 - Visitors

April 11 - Hon. and Mrs. Walter Frear of Honolulu. Mr. Frear is former governor of the Territory - departed on the 13th.

April 17 - Mr. and Mrs. Robert Shields of Washington DC, and Mr. G. LaGuardia, for two days. Both Messrs. Shields and LaGuardia were in the islands in connection with the sugar hearings, reported under 140 - Labor Situation.

April 21 - Dr. H.E. Winters, Washington DC, and Mr. Z.C. Foster of Honolulu, overnight. Both gentlemen are connected with the Soil Survey Division of the AAA.

600 - Protection

630 - Accidents

April 2 - A sailor from the USS Portland, one of several ships visiting at Hilo during maneuvers, either fell or was accidentally pushed in a concealed hole near the trail leading down the first twin crater to the Thurston Lava Tube. Ranger Olson, who was on duty at the lava tube at this time, res-

cued the man, who had fallen a distance of some 35 feet, with the aid of rope that had been sent up from headquarters and a ladder which happened to be at one of the comfort stations. Upon examination by the Army physician at the Kilauea Military Camp he was found to be suffering from a large scalp wound and shock in addition to a number of scratches and bruises. He was later removed to the Fortland, and reported to be recovering nicely a few days later. The commanding officer of this ship, Captain J.W. Lewis, later wrote to the superintendent complimenting Ranger Olson on the fine manner in which the situation was handled. The hole, of which no one seemed to know the existence before, has since been fenced off in order to prevent a re-occurrence of this nature.

900 - Miscellaneous

CGQ - Frank C. Huston, formerly located at Zion National Park, entered on duty as camp director on April 30. Chief Ranger J.H. Christ, who had been acting camp director for the past four months, returned to his regular duties.

The road at Kilauea Military Camp, job 245P, is reported complete.

A boxing tournament between the Naalehu Boxing Club and the enrollees of this camp was held at Naalehu on the 9th, with our boys winning five out of seven matches. Due to lack of experience and practice the volleyball team lost out in the series of games in the HRC league. The camp "Details" were finally crowned champions of the indoor-ball home league and will be treated to a chop sui dinner.

On April 9 Clifford H. Bowman, division supervisor of the Territorial Board of Health in Hilo, and Hannah Akau, also of Hilo, were married at the Volcano House.

Sadamichi Kawasaki, junior general mechanic, left for Japan to visit his family on April 17. He was accompanied by his wife and children, and expects to be gone approximately three months.

Respectfully submitted

B.F. Moomaw, Jr.,
Acting Superintendent

CW

May 4, 1938

Edward G. Wingate, Superintendent,
Hawaii National Park, Hawaii

Subject: Report of Hawaiian Volcano Observatory for April, 1938.

Dear Mr. Wingate:

The usual routine work of the Observatory, including operation of the seismograph stations, publishing of weekly press reports, keeping of daily tilt, weekly measurement of cracks around Halemauau and measurement of tilt has continued during the month. Special activities of various members of the Observatory staff will be covered by the sub-divisions to follow. In the absence of Dr. Jagger this report was compiled by the Asst. Geologist.

Volcanic Activity of the Month

Seismic activity was fairly consistent during the month showing a slight increase toward the latter half. Slides were erratic with the greatest concentration in numbers during the second and fourth weeks. The slides undoubtedly were responsible for many of the tremors reported during those periods. Occurrence of earthquakes indicating distances of origin for Mauna Loa as well as Kilauea shows that movement of some kind is taking place at both Volcanoes. At Kilauea, tilt and angle measurements would suggest that lowering of the crater floor is continuing. A summary of local data follows:

<u>Week Ending</u>	<u>Seismicity</u>	<u>Reported Slides</u>	<u>Crack Openings</u>	<u>Quakes</u>
April 3	5.50	4	3.0	20
10	13.50	21	9.0	31
17	8.50	1	6.0	28
24	11.75	23	-0.5	35
May 1	12.25	11	4.5	43

Four of the quakes were of proper distance to have been associated with the Mauna Loa NE rift while five may have originated deep under the central Mauna Loa mountain mass or in the SW rift. One shock April 15, 2:36 pm was reported felt strongly at Kapapala Ranch. A feeble earthquake at 8:48 am, April 12, was located 20 miles from Kilauea. Of the remaining 16 earthquakes, all seem to have originated within or very near Kilauea Crater. One of these, April 23, 8:21 pm was reported strongly felt at the OGC Camp, SE rim of Kilauea Crater. A feeble shock of Kilauea origin occurred at 8:48 am, April 12. With the exception of the two feeble earthquakes mentioned all of the shocks were very feeble or tremors.

A portion of a distant earthquake began to register at the Observatory at 6h 02m 30s H.S.T., April 1. No information concerning its location has been received and no distance or origin was determined.

Work of the Volcanologist

April 1 - A meeting of more than 30 business leaders in H.S.P.A. rooms in Honolulu addressed by F. C. Atherton, President Hawaiian Volcano Research Association, A. L. Dean retiring president, and by T. A. Jaggar, scientific director for the association, on the subject of financing technical publication of Observatory records for the next ten years, under the volcanologist's direction. The address of Dr. Jaggar is enclosed. Messrs. Rea and Farrington discussed approaching the Hawaii Legislature for the appropriation of \$15,000 a year to the association for the biennium following 1939.

April 4 to 13 - Dr. Jaggar was engaged in writing his Washington addresses and preparing diagrams and lantern slides, and arranging the affairs of the Volcano Observatory for his six weeks' absence.

The Volcanologist left for Washington Wednesday, April 13. He presented a paper at the Geophysical Union in Washington on Friday, April 29.

Work of the Seismologist

The early part of the month was spent in bringing up to date the seismological records accumulated while Asst. Geologist Woesche was on the trip to the equatorial islands. This included reading of all seismograms from the five stations operated by the Observatory between February 23 and March 21, locating earthquakes of February and March, bringing tilt records up to date, working up daily seismicity, plotting crack records, making time corrections and writing up monthly seismological reports for January and February. Data for the March report was compiled but the report has not been written as some changes in arrangement of the material are contemplated and will therefore not be done until the Volcanologist has returned. Current work consisting of the regular Observatory was carried on simultaneously and by the end of the month all records were up to date.

In the absence of Dr. Jaggar, Asst. Geologist Woesche has been compiling the weekly press reports.

On April 1, the Asst. Geologist attended a chamber of commerce luncheon at the Hilo Hotel in honor of Admiral Faussig and his staff.

During the month a new pen was installed on the N - S component of the Pit seismograph. The old one had deteriorated as a result of dampness.

On the same date, a flashlight indicator was attached to the Observatory anemometer as an alternate method in measuring wind velocities at Kilauea. The other system utilizes the main Observatory seismograph recording drum.

Between April 1, and April 13, a report was written jointly with Park Naturalist Lamb on Palmyra Island, visited by the co-authors in March while on the South Seas expedition. This consisted of descriptions of its natural history, preparation of pictures and of a map showing localities visited.

On April 15, rock specimens from around Halemanua and from the edge of the 1921 flow were collected for Dr. W. H. Eller of the University of Hawaii. These were packed and shipped to him for tests of their magnetic properties.

On April 23, a letter was sent to Mr. Kervin Burns of the Allegheny Observatory discussing the conditions of cloudiness on the Kau Desert, SW portion of Hawaii National Park. Mr. Burns is interested in locating an astronomical observation somewhere in Hawaii. Very little is known concerning the actual amount of night cloudiness on the Kau Desert. It is thought that regular observations of this nature would be of value.

April 25, inspection of new CCC Camp was made with Mr. Pope with special consideration of the location of cracks in that area and at the same time making general observations.

Work of the Assistants

S. Sato, librarian, continued his clerical and library work. During the month he stored Volcano Letter cuts in the old University of Hawaii building. The work of bringing the Kilauea record book up to date was continued. This consisted of sorting daily notes in 6-month groups. Weekly seismological reports were mailed. Filing of News clippings and periodicals in the library has progressed. Mr. Sato was on leave of absence from April 14 to April 27, inclusive.

H. Yasunaka has been busy taking care of the Observatory and grounds and in making daily trips to the Pit and Uwekahuna to change seismograph records. April 5, he worked on the clock of the Pit seismograph. April 7, checked driving clock at Hilo station. April 13, he took Dr. Jaggard to Hilo to catch Inter-Island boat. April 14, he made a trip to Kealahou, Kona, inspected seismograph there.

A. Okuda has continued his work on experimental shock recorders and has two additional ones under construction. He has also helped H. Yasunaka in his routine work. He was on sick leave April 23 and 25.

On April 11, Yasunaka and Okuda took a shock recorder to Hilo and left it at the telephone company building where it will be put into service and tentative observations made.

Hugh H. Waesche,
Asst. Geologist.

Volcanologist Cites Need For Publishing All Hawaii Records

In view of the past series of big earthquake spasms, extending through a century, from the Kilauea-Mauna Loa axis, to the Haleakala-Kahoolawe axis, Hawaii needs to learn everything possible about cycles and intervals, and about building codes and fire safety.

This is what Dr. Thomas A. Jaggar told the Volcano Research association in its meeting in Honolulu last week, as he stressed the importance of preserving, by publishing in technical form the mass of data which has been accumulated on Hawaiian volcanology.

"We have many unstudied records," he told the association. "We need to learn everything possible about cycles and intervals, and about building codes and fire safety. Mr. Stearns is perfectly sound in recalling the Haleakala eruption of the Kaupo gap about 1750. This is not predicting anything. It is merely asking, are our records, that cost us \$260,000, worth preserving in permanent form before they are mere scrap paper?"

In closing his presentation Dr. Jaggar listed the association's present requirements as follows:

1. Fifteen thousand dollars a year for the next 10 years.
2. To get the \$125,000 government laboratory proposed.
3. To complete publications in technical form.
4. To appoint a scientific board to oversee publication.
5. To shift current work and routine publication gradually to Hawaii National park, with the consent of the park service.
6. To allow the director to edit finished reports as his chief remaining work.
7. To present this program to the secretary of the interior.

Dr. Jaggar's paper, in full, follows:

The Hawaiian Volcano observatory under the Whitney fund of Massachusetts Institute of Technology was proposed in 1909 with a view to continuous record of Kilauea and Mauna Loa volcanoes. It aimed at an engineering science of volcanic phenomena of all kinds, in order to increase safety of life and property.

The Research association was founded to safeguard the precious records for Hawaiian use. The financing was by \$5 members and voluntary contribution of donors from year to year. It was supplemented by government.

Appropriation Cut

In 1933 the government cut its appropriation. This was the fourth severe crisis that had to be met. As before the Research association and the university saved the volcano observatory. This was followed by an extraordinary scientific success in 1935, namely, the printed prediction of all details of a disastrous eruption of Mauna Loa. A blasting enterprise with army aid led to the eruption stopping. This had been a plan fostered by the late honored L. A. Thurston many years ago.

In 1937 another public service was inaugurated by the association, extending the national park to the

a volcano science publishing the results of observation. It assists soil and water geology, safety by patrols at eruptions, prediction based on history, preparedness based on organization. Hilo and Honolulu are organized.

Hawaiian volcanology has sent forth trained men: Wood at Pasadena, Finch in California and Alaska, Stearns, Powers and Wentworth in Hawaii, Perret in Martinique, Wingate, superintendent of Hawaii National park, Wilson in Washington, Jones in oil geophysics.

Among its by products are the park itself, Uwekahuna museum and the Kilauea military camp, volcanology in California and Alaska, the Mauna Loa and Haleakala roads. In education your association has collaborated with the University of Hawaii since that college was founded. The university now helps the association immeasurably. The government has assisted Hawaiian volcanology liberally since 1919, under respectively weather bureau, geological survey and national parks.

Aid For 26 Years

Throughout all the 26 years, however, the anchor to windward that has never dragged has been the Hawaiian Volcano Research association. Publishing an outline of observations in monthly bulletins has informed scholars what we are doing. Critical eruptions with thousands of earthquakes, and other measurements, have left voluminous records that are still not worked up. Your present director is growing old. He knows these records, notes taken by 15 former workers. They need publication as scientific memoirs during the next 10 years.

Important discovery emerges from codifying and plating the figures of old series of measurements. In 1929 we recorded times, sizes and places of 6,000 earthquakes in three weeks, North Kona was being shaken to bits. We had no time then to do more than place instruments, cheer up the ranchers, keep the recording going, and cover as much ground as possible. It is for such a crisis that we want a simple shock recorder at every telephone exchange. I wish we had them in Maui and Oahu on January 22, this year.

Completed Story Needed

This record of 1929 contains eruptions of Kilauea in February and July, a simultaneous eruption at Tinian island in Tonga, and the Kona earthquakes as a sign the lava of Mauna Loa was shifting northwest to a new place. The completed story is greatly needed by the British and Tongan scientists studying Samoa and New Zealand. To publish the facts of 1929 is one of many tasks lying in filing cabinets: Notes, maps, curves, photographs and seismograms.



DR. T. A. JAGGAR

two lava flows including Mauna Loa in 1868. It suggests migration in the direction of Kohala and Maui.

Next a bad earthquake in Hilo in 1897; the 1929 series of shocks at Puuwaawaa; the January, 1938, crash at Maui affecting Honolulu. What about the great fracture still farther northwest across the north side of Molokai? Projected westward it hits Diamond Head on the map.

In all, we find a series of big earthquake spasms, extending through a century, from the Kilauea-Mauna Loa axis to the Haleakala-Kahoolawe axis. Will the Molokai-Diamond Head axis move? It is worth study.

We have many unstudied records. We need to learn everything possible about cycles and intervals, and about building codes and fire safety. Mr. Stearns is perfectly sound in recalling the Haleakala eruption of the Kaupo gap about 1750. This is not predicting anything. It is merely asking, are our records, that cost us \$260,000, worth preserving in permanent form before they are mere scrap paper?

Expert Advice Needed

The superintendent of schools, after the recent earthquake in Honolulu, wrote me asking what to do in case of severe earthquakes, for reconstruction or discipline, in second class school buildings. I told him of California, New Zealand and Japan experiences, and referred him to the authorities.

The national guard officer asked me to criticize a written out problem of discipline and organization for Hilo. The terrific destruction of hospitals, roads, cliffs, drug stores, banks, water supply and docks in Napier, New Zealand was the model, I sketched and put in print the plan of organization.

The chamber of commerce, during the fright of 1935 when lava was pouring down Waialuku valley above Hilo, asked what Hilo should do in case of a quicker flow from a nearer vent straight toward the harbor. We consulted engineers, studied the contour maps, examined precedents and costs, and the barrier plan was the answer. Incidentally, it turned out that such

a flow is very probable.

Records Should Be Adequately Kept

The association has no sufficient money in the next 10 years to print the records the society has filed. The immediate needs is to publish technical results under our own imprint before the present director is incapacitated.

The national park does not publish technical volcanology. It is not economy to spend \$260,000 through a quarter century for precious records, and leave them to fire and cockroaches.

The volcanologist is no more a prophet of evil than an army officer. They both have expensive jobs over large areas making war against evils.

The one has popular government money, the other is unknown. Hawaii has taken the lead to make seismic strategy known.

A famous scientist was asked by a lady, "What use is it?" he replied, "What use is a baby?" In the 19th century we had leaf hoppers, now we have parasites; then smallpox and plagues, now vaccination and quarantine; then floods and storms, now control and resistant construction; then slums and overgrown roads, now welfare and cantoneering. It took a century to persuade people to use common sense sciences.

A Common Sense Science

Volcanology is a common sense science. There was earthquake, lava and tidal wave destruction, now there is earthquake proof construction air bombing and seismic fortelling of waves. Then there was city congestion and panic, now city planning and education. Then there was resistless lava filling, now constructed barriers as planned. Then there was disaster and death, now preparedness organization.

\$125,000 Building Planned

The government offers us the plan of a \$125,000 reinforced concrete building for the new volcano observatory at Kilauea, with large laboratories, library, exhibit rooms, auditorium, map room and safe storage.

A group of generous local donors has given a sum of money for beginning the publication of monographs.

The article concludes with the listing of the 7 present requirements of the association as noted above.

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In closing his presentation Dr. Jaggat listed the association's present requirements as follows:

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2. To get the \$125,000 government laboratory proposed.
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In 1937 another public service was inaugurated by the association, extending the national park to the whole of Mauna Loa, and surveying for barriers to defend Hilo harbor against lava flow, with United States engineers as designers.

Cure For Trouble

The reason for disheartening financial crises depended on the essential instability of annual congressional appropriation 5,000 miles away. The cure is to create a sponsor for technical volcanology which is permanently Hawaiian.

What is technical volcanology?

It is like clinical surgery. Our population is the patient. Volcanic fever or shaking is the disease. Selecting an earthquake resistant or lava resistant human intelligence, will make Hawaiians different from peoples of other volcanic lands. Our publications have taught foreign scientists. A Matson ship rescued the people being overwhelmed by a volcano in Papua. The British government sent to us when volcano and earthquakes were wrecking Montserrat. When Napier was demolished, New Zealand sent to Hawaii for instruments.

Of Great Usefulness

Volcanology has started making

in Hawaii, Perret in Martinique, Wingate, superintendent of Hawaii National park, Wilson in Washington, Jones in oil geophysics.

Among its by products are the park itself, Uwekahuna museum and the Kilauea military camp, volcanology in California and Alaska, the Mauna Loa and Haleakala roads. In education your association has collaborated with the University of Hawaii since that college was founded. The university now helps the association immeasurably. The government has assisted Hawaiian volcanology liberally since 1919, under respectively weather bureau, geological survey and national parks.

Aid For 26 Years

Throughout all the 26 years, however, the anchor to windward that has never dragged has been the Hawaiian Volcano Research association. Publishing an outline of observations in monthly bulletins has informed scholars what we are doing. Critical eruptions with thousands of earthquakes and other measurements, have left voluminous records that are still not worked up. Your present director is growing old. He knows these records, notes taken by 15 former workers. They need publication as scientific memoirs during the next 10 years.

Important discovery emerges from codifying and plating the figures of old series of measurements. In 1929 we recorded times, sizes and places of 6,000 earthquakes in three weeks. North Kona was being shaken to bits. We had no time then to do more than place instruments, cheer up the ranchers, keep the recording going, and cover as much ground as possible. It is for such a crisis that we want a simple shock recorder at every telephone exchange. I wish we had them in Maui and Oahu on January 22 this year.

Completed Story Needed

This record of 1929 contains eruptions of Kilauea in February and July, a simultaneous eruption at Tinian island in Tonga, and the Kona earthquakes as a sign the lava of Mauna Loa was shifting northwest to a new place. The completed story is greatly needed by the British and Tongan scientists studying Samoa and New Zealand. To publish the facts of 1929 is one of many tasks lying in filing cabinets: Notes, maps, curves, photographs and seismograms.

The next eruption of Mauna Loa in December, 1933, was farther north than 1926 and wholly in the summit crater. The northern 1929 earthquake spasm informed us Pahala and Waiohinu at the south were less in danger, the Hilo direction in greater danger. The lava outlets had migrated along the crack up the south slope to the summit ever since 1868. We studied the intervals, arrived at a probable two years after 1933 for an outbreak still farther north threatening Hilo, and published the facts. The flow came exactly two years after 1933 with outlet five miles farther north, it threatened Hilo and the bombing deflected it.

Story Of Earthquakes

This episode, of our association's 26 years is only one of many critical studies made, which are of use to this territory.

Let us look at large earthquakes: A fracture that broke open Hualalai volcano in 1800; a quake that ripped open a huge crack at Pahala in 1823; a jolt and lava flow in Puna in 1840; a terrific one with



DR. T. A. JAGGAR

two lava flows including Mauna Loa in 1868. It suggests migration in the direction of Kohala and Maui.

Next a bad earthquake in Hilo in 1897; the 1929 series of shocks at Puuwaawaa; the January, 1938, crash at Maui affecting Honolulu. What about the great fracture still farther northwest across the north side of Molokai? Projected westward it hits Diamond Head on the map.

In all, we find a series of big earthquake spasms, extending through a century, from the Kilauea-Mauna Loa axis to the Haleakala-Kahoolawe axis. Will the Molokai-Diamond Head axis move? It is worth study.

We have many unstudied records. We need to learn everything possible, about cycles and intervals, and about building codes and fire safety. Mr. Stearns is perfectly sound in recalling the Haleakala eruption of the Kaupo gap about 1750. This is not predicting anything. It is merely asking, are our records, that cost us \$260,000, worth preserving in permanent form before they are mere scrap paper?

Expert Advice Needed

The superintendent of schools, after the recent earthquake in Honolulu, wrote me asking what to do in case of severe earthquakes, for reconstruction or discipline in second class school buildings. I told him of California, New Zealand and Japan experiences, and referred him to the authorities.

The national guard officer asked me to criticize a written out problem of discipline and organization for Hilo. The terrific destruction of hospitals, roads, cliffs, drug stores, banks, water supply and docks in Napier, New Zealand was the model I sketched and put in print the plan of organization.

The chamber of commerce, during the fright of 1935 when lava was pouring down Waialuku valley above Hilo, asked what Hilo should do in case of a quicker flow from a nearer vent, straight toward the harbor. We consulted engineers, studied the contour maps, examined precedents and costs, and the barrier plan was the answer. Incidentally, it turned out that such

people of our territory. Officer. They both have expensive jobs over large areas making war against evils.

The one has popular government money, the other is unknown. Hawaii has taken the lead to make seismic strategy known.

A famous scientist was asked by a lady, "What use is it?" he replied, "What use is a baby?" In the 19th century we had leaf hoppers, now we have parasites, then smallpox and plagues, now vaccination and quarantine; then floods and storms, now control and resistant construction; then slums and overgrown roads, now welfare and cantoneering. It took a century to persuade people to use common sense sciences.

A Common Sense Science

Volcanology is a common sense science. There was earthquake, lava and tidal wave destruction, now there is earthquake proof construction, air bombing and seismic foretelling of waves. Then there was city congestion and panic, now city planning and education. Then there was resistless lava filling, now constructed barriers as planned. Then there was disaster and death, now preparedness, organization.

\$125,000 Building Planned

The government offers us the plan of a \$125,000 reinforced concrete building for the new volcano observatory, at Kilauea, with large laboratories, library, exhibit rooms, auditorium, map room and safe storage.

A group of generous local donors has given a sum of money for beginning the publication of monographs.

The article concludes with the listing of the 7 present requirements of the association as noted above.

DOCUMENT CAPTURED AS RECEIVED

STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

APRIL, 1938

SYMBOL	APPROPRIATION	ALLOTTED	EXPENDED & OBLIGATED	BALANCE
1481000	National Park Service, 1938	\$49,432.00	\$44,878.69	\$4,553.31
1481000	National Park Service, 1938 (F.P.F.P.)	360.00	323.94	36.06
1471000	National Park Service, 1937	44,500.00	44,017.65	482.35
14-1010	Roads & Trails, Nat'l Park Service	31,400.00	28,716.95	2,683.05
14-1130	Roads & Trails, Nat'l Parks, Emergency Construction	40,870.65	40,728.90	141.75

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Kilauea Section, Hawaii National Park for the month of April, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						

Persons entering via motor vehicles,	14,430	88,386	13,523	88,451	-65	.0007
Persons entering via other private transportation,	266	1,600	17	1,516	84	.055
Total persons entering via private transportation,	<u>14,696</u>	<u>89,986</u>	<u>13,540</u>	<u>89,967</u>	<u>19</u>	<u>.0002</u>

OTHER TRANSPORTATION:

Persons entering via stages ^{Hotel} stages,	671	4,603	511	3,101	1502	.484
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	<u>671</u>	<u>4,603</u>	<u>511</u>	<u>3,101</u>	<u>1502</u>	<u>.484</u>
GRAND TOTAL ALL VISITORS,	<u>15,367</u>	<u>94,589</u>	<u>14,051</u>	<u>93,068</u>	<u>1521</u>	<u>.016</u>

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

HALEAKALA SECTION, HAWAII National Park for the month of April, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,

Cars reentry,

Motorcycles,

Total motor vehicles, 580 2329 388 2223 106 .05 Incr.

Persons entering via motor vehicles, 2800 11646 1840 12235 589 .05 Decr.

Persons entering via other private transportation,

Total persons entering via private transportation, 2800 11646 1840 12235 589 .05 Decr.

OTHER TRANSPORTATION:

Persons entering via stages,

Persons entering via trains,

Persons entering otherwise,

Total other transportation,

GRAND TOTAL ALL VISITORS, 2800 11646 1840 12235 589 .05 Decr.

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,

Campers in public camps during month,

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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park for the Month of April, 1938

	This Year	Last Year
Park revenue on hand beginning of month,	0.00	0.00
Received,	676.50	1,033.32
Total,	676.50	1,033.32
Remitted,	676.50	1,033.32
On hand close of month,	0.00	0.00

Park revenues received this year to date, 910.75

Park revenues received last year to date, 1,468.82

~~Increase~~, Decrease 558.07

Per cent of ~~increase~~, Decrease380

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Hawaii

National Park for the month of

April, 1938

GPO C-2502

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
520.1 Haleakala Road, Post Construction (F.A.)	100	0.5	1.5	
523 Uwekahuna-Bird Park Road, surfg., treatment, 1.75 miles (FA)	100	0	0	
524 Residential Area Roads, completion 3/4 mile clrg., grdg., and surfg. (F.A.)	100	0	0	
525 Headquarters Area Roads, Improvements, (F.A.)	100	0	0	
526 Resurfacing two mile of main park highway at Kau (west) entrance (F.A.)	65	30	35	
FP 663.14 For the erection of one observation station & toilets; one office & checking station; including the purchase of one wood heating stove and miscellaneous furniture, Haleakala	100	0	0	
FP 677.14 Employee's residence and connecting service lines for newly appointed U. S. Commissioner, including purchase of equipment	100	0	0	

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10-159
 (May 1931)
 (99566)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of April, 1938

	This Month				This Month Last Year			
	Appointed		Non-Appointed		Appointed		Non-Appointed	
	Reg.	P.W.	Reg.	P.W.	Reg.	P.W.	Reg.	P.W.
Number of employees beginning of month	19	0	10	0	20	0	15	0
Number of additions.....	2	0	2	0	0	0	0	0
Total.....	21	0	12	0	20	0	15	0
Number of separations.....	0	0	0	0	0	0	1	0
Number of employees close of month.....	21	0	12	0	20	0	14	0
Number of promotions during month.....	2	0	0	0	0	0	0	0
Aggregate amount of annual leave taken	25½	0	0	0	66½	0	0	0
Aggregate amount of sick leave taken....	7	0	0	0	0	0	0	0
Aggregate amount of leave without pay..	0	0	0	0	0	0	0	0
Aggregate amount of military leave taken	14							

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

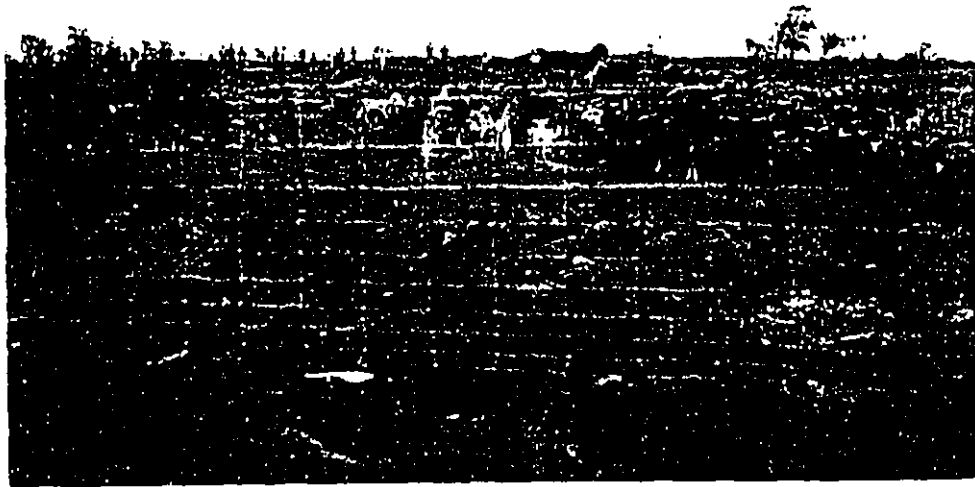
REPORT OF SALES OF PUBLICATIONS
April, 1938

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	994	145.25
Received during month,	50	7.50
Total,	1,044	152.75
Sold during month,	1	.85
On hand at close of month,	1,043	151.90

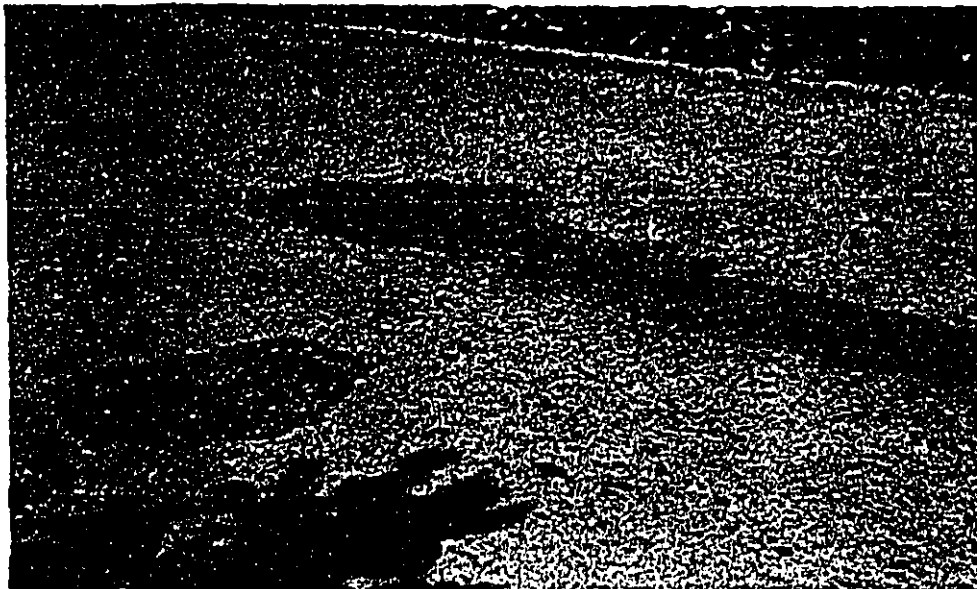
NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,	12.12
Sales during month,85
Total,	12.97
Remitted during month,85
Balance,	12.12

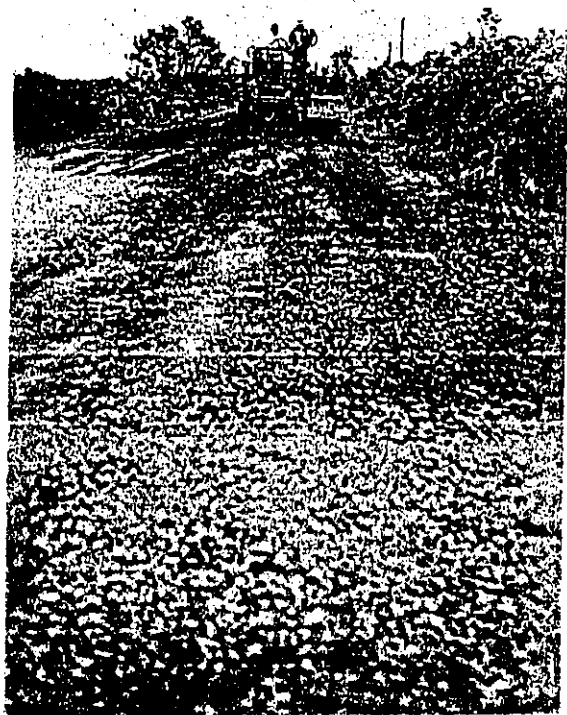
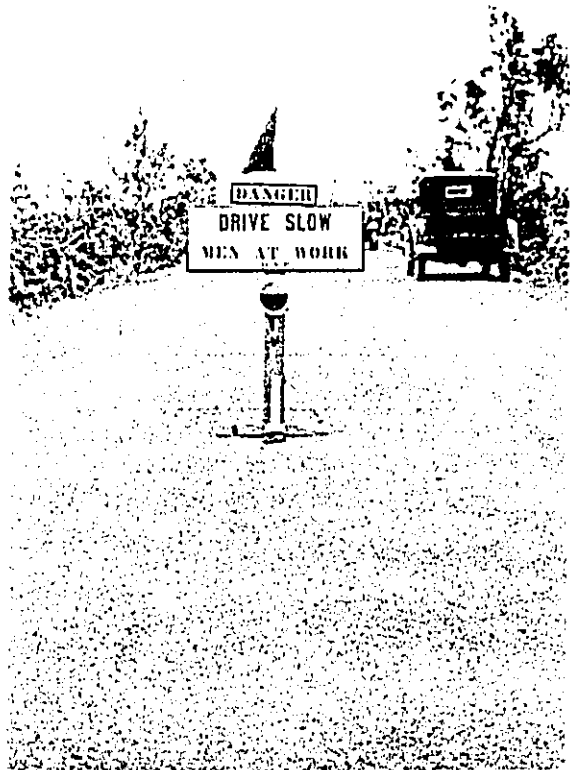


Goats in corral after drive of April 19, at which time 611 were captured.



Close-up of pavement at Kan (west) entrance of park, before re-surfacing was started. Job 526

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Resurfacing main park highway at Kau (west) entrance, job 526, force account.



Resurfacing park highway at Kan entrance, job 526 force account



Section of completed highway

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

B. F. M.

Haleakala Section,
Wailuku, Maui, T.H.
April 30, 1938

The Superintendent,
Thru the Office of the Chief Ranger,
Hawaii National Park,
Hawaii, T.H.

Dear Sir:

The following report for the Haleakala Section, Hawaii National Park, month of April, 1938, is respectfully submitted:

000 General.

010 Introduction,

A severe storm which occurred in the early part of the month done considerable damage to roads and trails in this section. The Haleakala Highway was damaged in several places by washouts and much gravel and silt was washed onto the roadway. The Halemau Trail was severely washed and will need extensive repairs.

Auto travel into the Park was heaviest during the period of the storm due to the attraction of the unusually late snowfall on April 6th and 7th. The roads were kept in a safe condition, however, and no accidents were reported.

021. General weather conditions in the Park,

Recorded precipitation during the month was 5.2 inches with prevailing northeasterly winds. There were 6 clear days during the month.

100 Administrative.

150 Equipment and Supplies,

Three Phister, one gal., and three Wilbur, one quart, fire extinguishers were received during the month.

500 Use of Park Facilities by the Public.

510 Increase or decrease in travel,

A check of travel for the month shows a total of 2800 visitors; an increase of 15% over last month.

Respectfully submitted,

Gunderson, Acting District Ranger.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

27.941

May 5, 1938

The Superintendent,
Hawaii National Park,
Hawaii, T. H.

Dear Sir:

There follows the report of the ranger division for the month of April, 1938.

000 General

020 General weather conditions. The weather was fair during the first part but rainy toward the end. There were 6 clear days during the month at Haleakala with 5.2 inches of rain.

A severe storm during the early part of the month did considerable damage on Haleakala, washing the road and Halemau trail. Travel was boosted by the unseasonal snow-fall of April 6 - 7.

100 Administration

110 Status of work.

With the Chief Ranger still detailed to CCC duty and Ranger Olson detailed to Haleakala, Ranger Williams was the only man on duty most of the month. Only the most urgent work and patrol could be carried out.

120 Park Inspections. No special inspections were carried on in the Kilanea area. Ranger Olson's letter of April 22, to the Superintendent, gives complete facts concerning a detailed inspection of the Haleakala section. The fire equipment in the fire caches was inspected April 15.

150 Equipment. Three one gallon Phister and several one quart Wilbur fire extinguishers were received during the month.

200 Maintenance, Improvements and New Construction.

210 Maintenance. Nothing but routine telephone maintenance was attempted during the month due to small staff.

(2)

220 Improvements. The resurfacing of the Kau entrance road is progressing nicely. Some work has been done towards protecting the public from the hole near the trail through First Twin Crater.

400 Flora, Fauna and Natural Phenomena.

410 Ranger, Naturalist and Guide Service. John E. Minter reported for duty, vice Waesche, April 23, 1938. Ranger Olson reported for duty on Haleakala to relieve District Ranger Peck, April 4th. Peck went on sick leave for the balance of the month. Ranger Williams went on annual leave April 26. Christ returned to Chief Ranger duty April 30. Naturalist activities are covered in the naturalist's report.

470 Animals. A two day goat drive was conducted with a capture of 611 goats. 72 rats were trapped at the CCC and 11 at the Chief Ranger's residence.

Ranger Olson reported rat damage to the new structure in Haleakala Crater on Maui. It seems very probable that poisoning will be the only logical means of controlling these rats. Trapping requires that the trapper be there every day to empty the traps. As the supply of rats is unlimited it will be a perpetual problem. Poison properly placed inside the building would in no way endanger the wildlife because there is no mammalian wildlife there to endanger. Birds would not be endangered if the poison was properly placed. If it is necessary to get Secretarial approval to handle the situation then it is suggested that such approval be requested immediately before the buildings are seriously damaged.

500 Use of Park Facilities by the Public.

510. Ranger Olson reports 15 percent increase in travel on Maui, largely due to the fall of snow.

530. Visitors. The special groups of visitors are all tabulated in detail in the Naturalist's report. A troop of boy scouts camped nearly a week at Mamakani Paio.

600 Protection.

The usual protection patrols were conducted by the Ranger on duty.

A copy of Ranger Olson's report of the accident at First Twin Crater is attached. *Filed under accidents - 200*

Mr. Huston the new CCC Camp director arrived on April 30, 1938.

Respectfully submitted,

Joseph H. Christ
Joseph H. Christ, Chief Ranger.

May 9, 1938

Report of the Acting Camp Director, CCC - HNP, to the Park Superintendent, Hawaii National Park, for the month ending April 30, 1938.

During the month we enrolled six new boys and discharged nine, five to secure permanent employment, one to continue his studies at school, and three were dishonorably discharged for going A.W.O.L. At the end of the month our total Camp Strength was 141.

For the month a daily average of 102 enrollees were used on the projects over a period of 21 authorized working days. A total amount of \$433.70 was expended for skilled labor.

The Military Camp road, Job 245P is reported complete and the Kilauea Military Camp project about 50% complete.

The new camp now under construction is progressing very satisfactorily.

A large goat drive in which the whole camp participated for two days was held during the month and a total number of 561 goats were captured.

Camp Sanitation was kept up as usual throughout the whole month. Maintenance of all motor drawn equipment was also carried on.

The Ka Hui o Manna Loa made one publication during the month under the supervision of Mr. Herbert Rennie, Quartermaster.


A boxing tournament between the Naalehu Boxing Club and our boys was held at Naalehu on April 9th. The following week, April 16th, our camp held a benefit concert and dance at Waiohima and the proceeds showed a slight profit.

Due to the lack of experience and practise our volleyball team lost out in their series of games in the HRC league.

The Details were finally crowned champions in the indoor-ball home league and as previously promised will be treated to a chop suei dinner.

Other recreational activities continued as usual.

Respectfully submitted,


Joseph E. Christ, Act. Camp Director

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CCC of file

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Respectfully submitted,

Joseph H. Christ, Act. Camp Director

MONTHLY REPORT OF PROJECT SUPERINTENDENT
CCC HAWAII NATIONAL PARK

WORK PROJECTS:

1. Daily average total number of enrollees	141
2. Daily average total number of enrollees on jobs	102
3. Authorized working days	21
4. Total man-days worked this month	2139

SKILLED LABOR:

1. Total number of workmen	4
2. Total number of man-days	84
3. Total amount of money expended	\$ 433.70

GASOLINE, OIL & GREASE

1. Total consumption, gasoline	Gal.	2727
2. Total consumption, oil	Qts.	147
3. Total consumption, grease	Lbs.	0

MILEAGE:

1. Total mileage on projects	14,518
2. Total mileage on recreation	375
3. Total mileage on Camp supply & Maintenance	5,263

ACCIDENTS:

1. Total number of lost time accidents	4
2. Total number of minor accidents	0
3. Total number of man-days lost	68

PROJECT TRAINING:

1. Total number of hours spent on job	1/2
2. Total number of hours spent off job	1

SAFETY MEETINGS:

1. Total number with enrollees	2
2. Total number with foremen	1
3. Total number with truck drivers	1

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MONTHLY REPORT OF PROJECT SUPERINTENDENT
CCC HAWAII NATIONAL PARK
(Continued)

JOB REPORT:

1. The Military Camp road, job 245P, is complete and a completion report will be completed in the near future.
2. The second portal at the Kilauea Military Camp is $\frac{1}{2}$ completed. Work is progressing satisfactorily and the enrollees on this job are receiving training in masonry work and are becoming quite adept.
3. A large goat drive involving the entire camp for two days was held this month and 561 goats were captured from the Kau section of the park.

Respectfully submitted,

George W. Pope
G. W. Pope
Project Superintendent CCC HNP/

May 2, 1938

MEMORANDUM TO Camp Director Frank Huston

SUBJECT: Report of Recreational Activities for the month of April, 1938.

During the month our volleyball team played four scheduled games in Hilo, winning one and losing three. Our boys were sadly lacking in experience and this fact cost them three games. In the following two games our boys lost on default as they were too tired to play on account of the Goat Drive which was held on the same dates that they were scheduled to play. As our team was out of the running for the championship, a request to withdraw from the series was made, not only because of the reason just stated, but also, because of the transportation involved as we will need all the mileage we can conserve in order to enter a baseball team in the HRC league, the opening game to be held on May 22, 1938.

Prospects for turning out a winning baseball team this year looks very bright. For a time it was rather doubtful whether this camp would enter a team or not but since the matter of clearance papers was settled, a very promising and enthusiastic group reported for baseball practise. Scrimmage games have already been arranged with the "Eagles" from Hilo, and the "Unknowns" from Olaa.

In the championship series of the softball league the "Details" won all their games to cop the title. For their efforts they will be rewarded with a chop sui dinner. Team standings in the championship series are as follows:

<u>Teams</u>	<u>Played</u>	<u>Won</u>	<u>Lost</u>	<u>Percentage</u>
Details	3	3	0	1.000
Makaimoku	3	2	1	.667
Enos	3	1	2	.333
Park	3	0	3	.000

On April 9th, our boxers travelled to Naalehu. Two exhibitions and seven fights highlighted the night's event. Our boys lost only two of their fights, one, in what was termed a poor dealing decision, and the other by TKO when one of our boys dislocated his right arm.

A concert and dance was held at Naalehu on April 16th. Proceeds for the night was very much less than what was expected, however, a small profit was made.

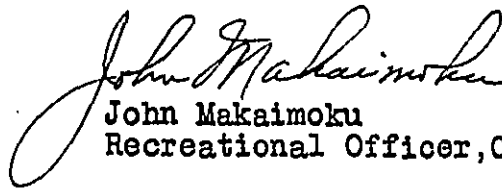
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- 2 -

Movies were held weekly during the month and were enjoyed by everyone.

Horseshoe pitching is still being enjoyed by the boys.

Respectfully submitted,


John Makaimoku
Recreational Officer, CCC-HNP

cc - CCC Ofc. File
cc - Camp Ofc. "

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10-23
(May 1929)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

MARCH 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

OFFICE OF THE SUPERINTENDENT

HAWAII

April 10, 1938

The Director
National Park Service
Washington DC

Dear Mr. Director:

There follows the report of activities in Hawaii National Park during March.

000 - General

Of considerable interest locally and of some national significance in its relation to the plea for statehood for Hawaii was the initiation of an organized movement by resident American citizens of Japanese ancestry to get all of their race who have not gone through the formalities of expatriating themselves to do so immediately. The movement originated in Honolulu and is now being actively promoted on this island. It is pleasing that those of Japanese ancestry initiated the movement. Actually expatriation is something more than a formality in that considerable red-tape is involved as well as cost. In some instances expatriation cannot be accomplished because of incomplete birth records prior to annexation of Hawaii to the United States. The superintendent believes that the movement should be encouraged and unofficially is doing what he can to make it successful.

Two members of the staff were present when the American flag was raised over Canton and Enderbury islands. Assistant Naturalist S.H. Lamb and Assistant Geologist H.H. Waesche accompanied the official party on board the USCGC Taney. An extensive report of their trip is in preparation, the substance of which was sent the Director by radiogram immediately upon the party's return.

The nomination of Governor J.B. Poindexter for a second term by the President was sent to the US Senate on March 7.

020 - General Weather Conditions

Precipitation at headquarters amounted to 9.27 inches, at the CCC camp 6.24 inches and at Haleakala 5 inches. Snow was visible on both Mauna Loa and Mauna Kea throughout the month. An anemometer was installed by Assistant Geologist Waesche at the observation station at Haleakala on the 24th.

100 - Administration

110 - Status of Work

Office work was current throughout the month. Recommendations for one-step promotions for most of the permanent staff were submitted for consideration on the 30th, provided the impounded funds are released.

120 - Park Inspections by:

121 - Superintendent: Inspection and photographs of the experimental fenced plots and adjacent grazing lands were made on the 10th. The Mauna Loa truck trail and work on the traiside museums and seismograph cellar were inspected on the 13th. The progress of the goat drive held March 7 was reviewed. Frequent inspections were made of the work in constructing the new CCC camp and routine inspections made of all other going projects. On the 5th the superintendent had luncheon with Dr. James West and party at the Volcano House. Dr. West is the chief Boy Scout Executive in the United States. On the 25th he inspected the experimental fenced plots and grazing lands in their vicinity with Territorial Forester L.W. Bryan and B.F. Sumner, Manager of the Kapapala Ranch.

123 - National Park Service Officers: Assistant Naturalist Lamb and Assistant Geologist Weasche inspected the Haleakala section on the 24th, while returning from Honolulu.

130 - Finance and Accounts

A detailed financial statement is attached. On March 2 Application for Change in Outline of Work in the regular appropriation requesting release of the amount held in reserve was made.

140 - Labor Situation

Newspapers gave extensive publicity to the transfer of the WPA in Hawaii to the Army. Protests were made to the transfer by territorial and county officials, and many civic and church organizations.

180 - Circulars, Placards, Publicity Bulletins, etc.

General Office Order No.54, dated March 2, directing that the ranger who made the quarterly fire inspection report of buildings in the park should also make a sanitary inspection of the park operator's buildings, etc. Copy is attached.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

Heavy rains which caused some damage to the Haleakala road, necessitated much repair work.

The weight of snow and ice broke the telephone wire between Puu Ulaula and Mokuaweoweo on Mauna Loa, and also pulled up some of the posts. The snow was more than 6 feet deep in spots. Repairs will be made after the snow melts.

220 - Improvements

At the end of March the general repair work (resurfacing) of the two-mile stretch of the main park highway at the west (Kau) boundary was 35% complete.

230 - New Construction

The new CCC camp, which is being built by CCC force account, was approximately 60% complete at the end of the month. Construction has progressed at a very satisfactory rate, though handicapped at times by heavy rains.

260 - Landscape Work

Landscaping of the Volcano House grounds was commenced the latter part of the month, under an approved CCC plan.

300 - Activities of Other Agencies in the Park

320 - Cooperating Governmental Agencies

Major Harry Collins, commanding officer of Kilauea Military Camp, left on the 13th, and his place was taken by Major Albert Billing. Captain Allott, the medical officer at camp was replaced by Captain Johnson on the 22nd.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Word was received from District Ranger Peck that it would be necessary for him to have an operation which would result in his being away from work about a month. Accordingly authority was requested to employ an emergency ranger to this position for the duration of his sick leave, and recommendation was submitted for the employment of Robert L. Plunkett of Maui.

The ranger division conducted all guided trips, the acting chief ranger also performing the duties of the park naturalist, who was absent on his South Seas trip, from which he returned on the 26th.

460 - Birds

Justification for continuance of the student technicians' work in the bird study project in Hawaii National Park, under CCC, was transmitted for approval on the 2nd.

480 - Natural Phenomena

A report of the activities at the Volcano Observatory is attached. On the 29th radio advice was received, authorizing Dr. Jagger's attendance at the International Geophysical Union meeting in Washington the latter part of April.

500 - Use of Park Facilities by the Public510 - Increase or Decrease in Travel

Travel to the Kilauea section amounted to 13,314 visitors as compared with 15,227 for March 1937 and at Haleakala there were 1120 persons as compared with 1300 for the same period last year. The district ranger reports that the shelter houses in the Haleakala crater are becoming increasingly popular.

530 - Visitors and Special Parties

- March 5 - Dr. James West, National Boy Scout Executive and his family for the day. The superintendent had luncheon with them at the Volcano House, and together with Ranger Williams conducted the party on a general park tour
- " 9 - Mr. and Mrs. W.P. Monroe of San Francisco, over the weekend. Mr. Monroe was the consulting electrical engineer for the San Francisco bay bridge. They were escorted around the park area by the superintendent.
 - " 27 - Mrs. E.P. Irwin, and her sister-in-law Mrs. W.F. Irwin for the balance of the month. Mrs. E.P. Irwin's husband is the editor and manager of the Honolulu Times.
 - " 31 - Faith Baldwin, well-known author, for several hours. Miss Baldwin is in the Islands collecting material for future articles and stories.

There were also several groups of school children and one of Japanese poets from Hilo, who went up the Mauna Loa truck trail to gather inspiration for future poems. Both the superintendent and Ranger Williams later received copies of several of the resultant poems - written in Japanese.

600 - Protection620 - Fire Protection

The regular quarterly fire inspection of all buildings, etc., in the park was made on the 17th by Ranger Olson and any hazardous conditions noted were called to the attention of those concerned.

630 - Accidents

An accident occurring outside the park, the morning of the 26th, which resulted in the death of one Filipino and the injury of his two companions was investigated by CCC Project Superintendent Pope and Acting Executive Officer Moomaw. The car driven by the Filipinos attempted to pass one of our CCC trucks on a straight-of-way at too rapid a pace, and in cutting in in front of the truck the car skidded, striking the rock bank on the right-hand side of the road and rebounding across to the other side of the road, where it landed on its side in the ditch. The driver was killed instantly. No blame was placed on the driver of the CCC truck, rather he did a remarkable piece of driving in keeping his truck from running into the private car, and has been commended.

640 - Destruction of Predatory Animals

Two goat drives were held on March 7 and 24, for the purpose of rounding up animals which escaped capture during the February drive, in the eastern Hilina Pali region. The total number destroyed in both drives was 580.

660 - Sanitation

At the same time the quarterly fire inspection was made Ranger Olson also inspected the dining room, kitchen facilities and other parts of the operator's holdings, who was given a copy of the report and requested to comply with the suggestions for improvements.

900 - Miscellaneous

Hilo was figuratively completely destroyed in half an hour on the 29th by a squadron of attacking "enemy" planes, as part of the annual war games carried on jointly by the Army and Navy. This is a usual annual occurrence.

Late in February word was received by radio that the long-awaited Opinion of the Solicitor of the Department, relative to grazing matters in the park had been received in the Director's office. The report requested in this radiogram on damage by cattle grazing was prepared and forwarded on the 13th. Copies of the Opinion were finally received on March 15. The conclusions reached by the Solicitor in this Opinion are of great importance to this park and are particularly pleasing to this office.

As requested in memorandum from the Region IV office, dated March 3, project for the purchase of one parcel of land in the Puna district was submitted, with copy for the Director's office, on the 20th.

CCC

During the month of March an average of 118 men was used on the various projects over a period of 23 authorized working days. Estimated percent of period program completed is 68.

The following pieces of equipment were received by the CCC in March: one bench grinder, one acetylene torch, one gasoline pump, a drill press and five-ton jack.

The usual number of safety meetings were conducted, also two fire drills.

In addition to the accident mentioned under 630, the canopy truck, driven by Daniel Nathaniel, enrollee, was forced off the Hile road on March 14, by Mr. George Lycurgus, manager of the Volcano House, who cut in front of the truck too fast, forcing it into the ditch. The damage to the CCC car was paid by Mr. Lycurgus. There were no casualties.

The CCC basketball team won the Junior League (composed of teams from all over the island) championship and were rewarded with a beautiful trophy. The indoor-ball league in camp is approaching the final round, with four teams playing off for the championship.

One church service was held in March.

Visitors at camp included Territorial Senator Wilhelm and Representative James Kealoha.

The report on information regarding increases in park facilities by the CCC, requested in the Director's memorandum of February 11, was forwarded March 15.

Respectfully submitted

Edward G. Wingate
Superintendent

CW

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

April 11, 1938

Edward G. Wingate, Superintendent
Hawaii National Park

SUBJECT: Report of the Hawaiian Volcano Observatory for March, 1938

Dear Mr. Wingate:

The month of March found Mr. Waesche, Assistant Geologist, detailed for observation and for placing Jaggar seismoscopes, on Department expedition to South seas under Richard B. Black, Dr. Jaggar in his absence directed the observatory seismological routine and issued weekly reports; and the Volcano Letter for October, November, December was issued about March 31. Much of the month was given to preparation for a special meeting of Honolulu business leaders in Hawaiian Sugar Planters' Association April 1, to consider volcanology. Other time was occupied with preparation for Washington April 25-29, American Geophysical Union symposium on volcanology.

Volcanic activity of the month:

The measurements and observations at Halemauuan pit of Kilauea volcano show:

<u>Week ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack Openings</u>	<u>Quakes</u>
March 6	27.50	0	6.5 mm	62
March 13	11.50	1	15.0 mm	40
March 20	4.75	0	7.0 mm	11
March 27	11.50	10	7.0 mm	39

Twenty-seven of the measured shocks were of Kilauea origin, 4 were Mauna Loa, and 4 were beyond Mauna Loa. A moderate felt shock of Kilauea origin occurred February 28th, slight felt shocks occurred March 2 and 7, the first Kilauea Crater and the second a deep source north of Kilauea. Distant earthquakes were registered March 22 and 25, this occurrence just after equinox being usual.

Work of the Volcanologist:

Dr. Jaggar continued the instrumental improvements and trials outlined in former reports; and for the approaching Washington meeting of Geophysical Union prepared papers and lantern slides on "Structural Development of Volcanic Caves", "A Zenith Finder for Stars", and "A New Seismoscope".

In view of the gift from the J. M. and F. C. Atherton estates to the Hawaiian Volcano Research Association for beginning publication of unprinted memoirs of the Hawaiian Volcano Observatory, of the sum of \$3500, a study was made of manuscripts on hand and first requirements for printing.

Manuscripts of the Volcano Letter for the last three months of 1937 were prepared. Several diagrams were drafted. The address to Research Association for April 1 was finished, outlining accomplishments of the Association for twenty-six years. In this address the economic results of achieving greater volcano and earthquake safety were stressed: the proposed National Park building plan for fireproof Volcano Observatory and Museum was exhibited; and a ten-year plan of financing the printing of scientific monographs, with suitable illustrations, before the present volcanologist is incapacitated, was proposed for the Association.

The volcanologist went to Honolulu March 27th, and attended the annual meeting of the Association March 30. F. C. Atherton was elected President, A. L. Dean and W. F. Dillingham vice-presidents, L. T. Peck, Treasurer, and the other directors were as before except that C. M. Cooke replaced his brother R. A. Cooke.

Messrs. Dean and Atherton called a meeting for April 1 in the Board Room of the Hawaiian Sugar Planters' Association, to be attended by thirty or forty leaders of business in Hawaii, to consider the drawings for the new Volcano Observatory building proposed by the National Park Service, and to attempt to finance the technical scientific publication of Observatory records, with which the Association has been concerned.

Some fifteen workers along with the present volcanologist have accumulated these records during twenty six years, and the records should be put in permanent printed form, and their implications studied and plotted before they become antiquated.

The present directors of the Research Association represent one generation of men in Hawaii, who have seen these investigations and measurements made. It is suitable that they should finance the printing; if the Government will furnish the permanent fireproof housing, and through the Volcanologist, and his associates still living, produce the drawings, maps and manuscripts for publication, under an advisory board in Honolulu, who will see that the publications are worthy.

The Assistants at the Observatory have continued their usual tasks, S. Sato classifying negatives, card-cataloguing photographs and typing record books. A Okuda has built more seismoscopes. H. Yasunaka carried the seismograph routine and field work. B. Moomaw carried Mr. Waesche's work in time-service and measurement of Halemauau cracks.

Work of the Seismologist:

Mr. Hugh H. Waesche, Assistant Geologist reports that aboard the U. S. Coast Guard ship "Taney" he arrived at Howland and Baker Islands March 4; proceeded to Enderbury Island and explored it March 6; landed on Canton Island March 7. The Jagger seismoscope was donated to Mr. R. B. Black who set it up on a concrete foundation in the building which had been put up by the Elipse Expedition of the of the National Geographic Society and the U. S. Naval Observatory. The instrument was left in charge of an attendant, and oriented to register north-south motion.

On March 8 the expedition returned to Enderbury Island, returning to Canton in the afternoon. Exploration of the island continued March 8 and 9 and the seismoscope was checked and found to be recording properly.

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On March 11 Mr. Waesche landed on Howland and explored the island. Leaving on March 12, Jarvis Island was reached March 15 and explored, and a second seismoscope of the same pattern was set up in the living quarters of the colony. No concrete base was available; instructions were given to build a hut for the shock recorder with a concrete table: the present house is shaken by wind and movements of people. The orientation is to be for East-West motion.

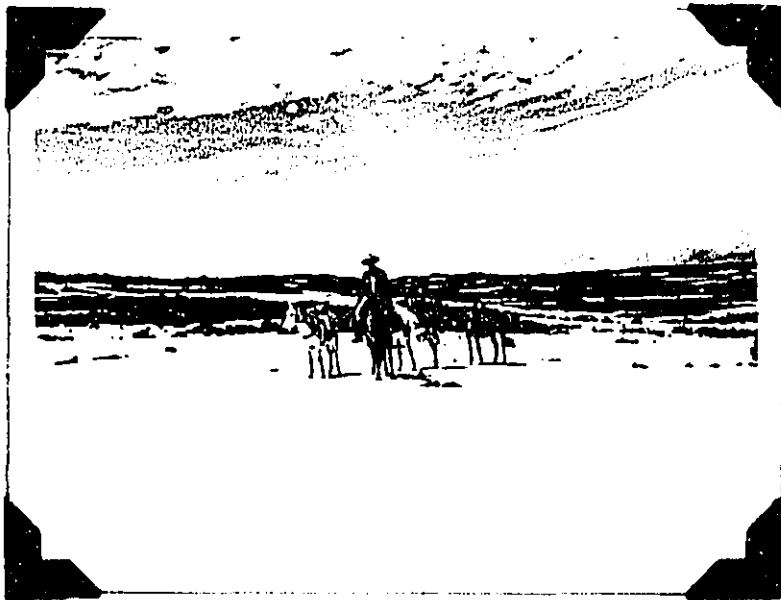
Palmyra island was reached March 17 after sailing from Jarvis March 16. Landing was not possible until March 18 on account of stormy weather. Exploration and photography were done on March 18. Sailing thence March 19, Honolulu was reached 6 p.m. March 21.

On March 24 Mr. Waesche ascended Haleakala on Maui and set up anemometer for Hawaii National Park. Iao Valley and Hana Road were inspected March 25 for earthquake damage of January 22. He arrived Hilo March 26. The remainder of the month was spent in seismological work at Kilauea, and in preparing a report on Observations at Palmyra.

Very respectfully,

T. A. Jaggar.

T. A. Jaggar,
Volcanologist.

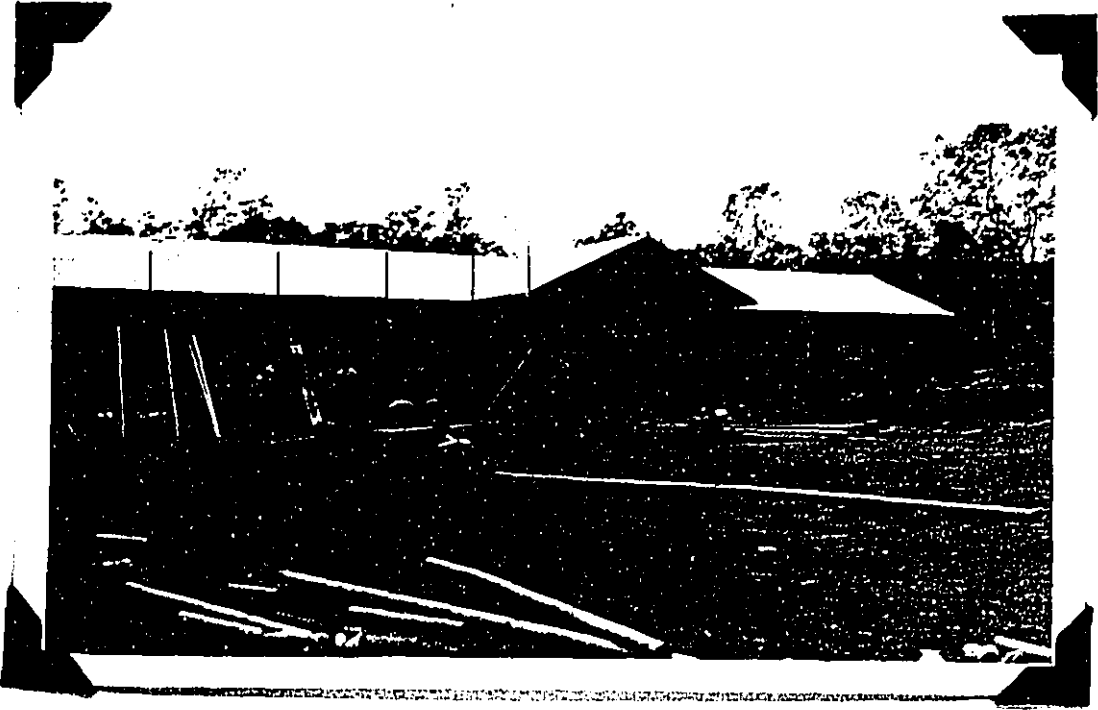


No. 1 - Summit region Mauna Loa, March 8. Snow about 3 feet deep on the level. Photo by Ranger Olson



No. 2 - Showing extent of koa (acacia koa) reproduction in experimental fenced plot. Area fenced March 1935 and section now supporting young koa growth was as bare as that in left of picture when fence was built. Photo by Wingate, March 11, 1938

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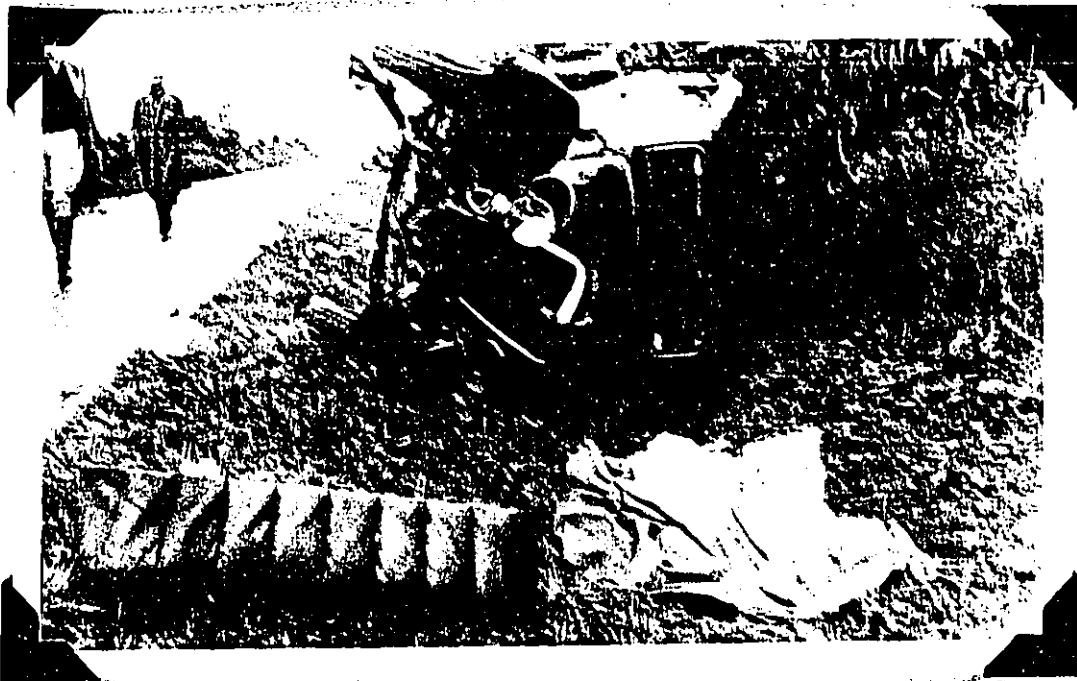


Nos. 3 and 4 - Exterior and interior views of mess-hall under construction, new CCC camp. Photo by Pope, March 31





No. 5 - Construction new CCC camp. Two bunkhouses about complete and hospital framing going up. Photo by Pope, March 10



No. 6 - One person was killed and 2 others injured in this accident just outside the park. Excessive speed when passing CCC truck caused driver to lose control. Photo March 26 by Underwood

STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

MARCH, 1938

SYMBOL	APPROPRIATION	ALLOTTED	EXPENDED & OBLIGATED	BALANCE
1451900	National Park Service, 1938	\$44,432.00	\$43,992.91	\$ 439.09
1451000	National Park Service, 1938 (F.P.F.P.)	360.00	285.31	74.69
1471000	National Park Service, 1937	44,500.00	44,023.17	476.83
14-1010	Roads & Trails, Nat'l Park Service	31,400.00	26,500.94	4,899.06
14-1130	Roads & Trails, National Parks, Emergency Construction	40,870.65	40,679.52	191.13
14-405/90762	P.W.A., Allotment to Interior National Park Service, 1935-39	9,303.00	9,192.81	110.19
14-443/90634	H.I.R., Interior, National Park Service, 1933-39	13,000.00	12,278.56	721.44

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

(Kilauea Section) Hawaii National Park for the month of March, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						

Persons entering via motor vehicles,	12,592	73,956	14,532	74,928	-972	.013
Persons entering via other private transportation,	126	1,334	224	1,499	-165	.110
Total persons entering via private transportation,	12,718	75,290	14,756	76,427	-1137	.015

OTHER TRANSPORTATION:

Persons entering via trains ^{Hotel} ,	596	3,932	471	2,590	1342	.518
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	596	3,932	471	2,590	1342	.518
GRAND TOTAL ALL VISITORS,	13,314	79,222	15,227	79,017	205	.003

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Haleakala Section, Hawaii National Park for the month of March, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Decrease *Increase* for Travel Year	
					Number	Percent
<u>PRIVATE TRANSPORTATION:</u>						
Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	224	1769	260	1855	86	4
Persons entering via motor vehicles,	1120	8846	1300	9350	504	5
Persons entering via other private transportation,						
Total persons entering via private transportation,	1120	8846	1300	9350	504	5
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	1120	8846	1300	9350	504	5

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month,				
Campers in public camps during month,				

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10-160

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park for the Month of March, 1938

	This Year	Last Year
Park revenue on hand beginning of month,	0.00	0.00
Received,	<u>61.25</u>	<u>100.00</u>
Total,	61.25	100.00
Remitted,	<u>61.25</u>	<u>100.00</u>
On hand close of month,	<u>0.00</u>	<u>0.00</u>

Park revenues received this year to date,	234.25
Park revenues received last year to date,	435.50
Increase Decrease	<u>201.25</u>
Per cent of increase Decrease	<u>.462</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

-----Hawaii----- National Park for the month of -----March, 1938-----

*** 0-2563

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
520.1 Haleakala Road, Post Construction (F.A.)	99.5	1.5	3	
523 Uwekahuna-Bird Park Road, surfg., treatment, 1.75	100	0	0	
524 Residential Area Roads, completion 3/4 mile clrg., grdg., and surfg. (F.A.)	100	0	0	
525 Headquarters Area Roads, Improvements, (F. A.)	100	0	0	
526 Resurfacing two mile of main park highway at Kaa (west) entrance (F. A.)	35	35	0	
FP 663.14 For the erection of one observation station & toilets; one office & checking station; including the purchase of one wood heating stove and miscellaneous furniture, Haleakala	100	0	0	
FP 677.14 Employee's Residence and connecting service lines for newly appointed U. S. Commissioner, including purchase of equipment	100	0	0	

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10-159
 (May 1931)
 (99566)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of March, 1938

	This Month		This Month Last Year	
	Appointed Reg. P.W.	Non-Appointed Reg. P.W.	Appointed Reg. P.W.	Non-Appointed Reg. P.W.
Number of employees beginning of month	19 0	2 0	20 0	15 0
Number of additions.....	0 0	8 0	0 0	0 0
Total.....	19 0	10 0	20 0	15 0
Number of separations.....	0 0	0 0	0 0	0 0
Number of employees close of month.....	19 0	10 0	20 0	15 0
Number of promotions during month.....	0 0	0 0	0 0	0 0
Aggregate amount of annual leave taken	1 0	0 0	85 0	0 0
Aggregate amount of sick leave taken....	5-7/8 0	0 0	10 0	0 0
Aggregate amount of leave without pay..	0 0	0 0	0 0	0 0

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii National Park
REPORT OF SALES OF PUBLICATIONS

March, 1938

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	994	145.25
Received during month,	0	0.00
Total,	994	145.25
Sold during month,	0	0.00
On hand at close of month,	994	145.25

NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,	12.12
Sales during month,	0.00
Total,	12.12
Remitted during month,	0.00
Balance,	12.12

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

March 2, 1938

GENERAL OFFICE ORDER NO. 54

At the time of the quarterly fire inspection the officer making that inspection will also include a careful inspection in to the sanitary conditions prevailing in the park operator's kitchen, dining room, storage rooms, etc. A separate report should be made on this inspection. Subjects covered should be the general cleanliness of kitchen, dining room, and storerooms, cleanliness of employees, the utensils used in the preparation of food, storage bins, sinks, etc.

This inspection has been recommended by Mr. H.B. Hommon, Sanitary Engineer of the Public Health Service, to assist in preventing, if possible, any outbreaks of food poisoning.

Distribution
Director - 2
Superintendent
Chief Clerk
Volcanologist
Asst. Geologist
Acting Executive Officer
Acting Chief Ranger
Ranger Olson
District Ranger
Park Naturalist
Monthly Report - 7
Mr. Lycurgus
File


Edward G. Wingate
Superintendent

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

PRESS MEMORANDUM
FOR IMMEDIATE RELEASE

Edward G. Wingate, Superintendent

Hawaii Natl. Park, April 00 ---- Notice of the appointment, effective April, by the Secretary of the Interior of Park Ranger B.F. Moomaw, Jr., to the newly established position of Assistant to the Superintendent was announced at the Hawaii National Park Office today.

Mr. Moomaw came to Hawaii in May 1937 from Colonial National Historical Park Yorktown Virginia, where he had been stationed as ranger for two years. He graduated from Virginia Polytechnic Institute in 1929, where he majored in geology, and received his Master's degree from the same school in 1932. Before entering the Park Service as ranger at Colonial he was with the Civil Engineering Department of the Norfolk and Western Railroad, levee inspector with the Memphis District of the Lower Mississippi Flood Control and field geologist with several mining companies. At present he is on military leave and on duty at the Kilauea Military Camp, where he is serving as a first lieutenant.

Superintendent Wingate said the establishment of this position is a step toward bringing Hawaii National Park up to the standards of the higher grade parks on the mainland and also is a recognition by the Park Service of the constantly growing importance of Hawaii's park in the system. The Park Service now administers 26 national parks, 2 national historical parks, ~~12~~⁷ national monuments and ~~32~~⁴² miscellaneous areas such as national battlefield sites, national military parks, etc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii National Park

Edward G. Wingate, Superintendent

PRESS RELEASE

Hawaii National Park. April 00. In commemoration of the hundredth anniversary of the birth of John Muir, Scottish born naturalist and early conservationist, The National Park Service through each of the field units is celebrating this occasion, in some manner, April 21.

Hawaii National Park will present a special Broadcast in cooperation with Station KHBC, at 7:45 o'clock P. M., on the twenty-first when Ben Moomaw of the Park Staff will give a resume of Muir's life and accomplishments, and what they have meant to the American public.

The Park Service is particularly indebted to John Muir as he was one of the first influential men to preach the sanctity of natural beauty and through his efforts three National Parks and two National Monuments were created.

Supplementing this broadcast will be a special exhibit in commemoration of John Muir on display at the Uwekahuna Museum, Hawaii National Park.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii National Park

April 5, 1938

GENERAL OFFICE ORDER NO. 55

Subject: Wood Utilization

The recent (February 21, 1938) Opinion of the Solicitor of the Interior Department, M-28899 has necessitated a revision of our wood utilization policy.

Referring to the Acts of Congress of August 1, and August 25, 1916, the Solicitor has stated:

"Together, these directives constitute a statutory administrative policy for Hawaii National Park, definite and coherent, and it is within the framework of this policy that Congress requires the Secretary to exercise such discretion as it confers upon him in these matters. Its cardinal purpose quite clearly is to preserve from change or destruction the natural condition of the park, viz, its scenery, its historic objects and the whole range of its natural features from the general of timber to the particular of tree and even underwood and plant. Willful damage or injury to any growing thing is made a crime. The Secretary himself may neither cut down nor pull except to conserve the park and check such ravages of nature as might hurt the whole"....."From the operation of these principles no part of any park is excepted nor is the Secretary authorized to alter them or to do other than apply them."...

"The sole purpose for which the statute allows tree-cutting and plant destruction is that of checking the spread of disease and other plagues or of otherwise conserving the whole natural life of the park, its historic objects and scenery. To this no other purpose may be added."

It is, therefore, clear that no wood of any kind may be gathered or used for any purpose except such wood as may be obtained from right-of-way and building construction clearings, from fire hazard reduction operations, or from insect control operations. Firewood or construction timber must then be obtained only from these authorized operations or from sources outside of the park.

Director - 2	Ranger Williams	<i>Edward G. Wingate</i>
Superintendent	Mechanic	Edward G. Wingate
Volcanologist	Each laborer	Superintendent
Asst. Naturalist	Volcano House	
Asst. Geologist	Kilauea Military Camp - 2	
Chief Clerk	CCC	
Chief Ranger	Monthly report	
Asst. to the Supt.		
Ranger Olson		
Foreman		

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
March 29, 1938

The Superintendent,
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Sir:

The following report for the Haleakala Section for the month of March, 1938, is respectfully submitted:

000 General.

010 Introduction

Use of the shelter housed in Haleakala crater by the public, is gradually increasing.

020 General Weather Conditions

021 In the Park

Precipitation during this month amounted to 5 inches. The prevailing wind direction was from the northeast. There were 5 clear days during this month.

100 Administrative.

120 Park Inspections by

123 National Park Service Officers

Mr. S. H. Lamb, Acting Park Naturalist and Mr. Hugh Waesché of the Park Volcanology department, inspected the Haleakala Section March, 22.

150 Equipment and Supplies

An anemometer was received and installed at the observation station March, 24.

200 Maintenance, Improvements and New Construction.

210 Maintenance

Much work was required to keep the 11 miles of road in repair this month, due to heavy rains.

400 Flora, Fauna and Natural Phenomena.

410 Ranger, Naturalist and Guide Service

The ranger in charge patrolled the road during times of heaviest travel, contacted park visitors and gave them all possible service.

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500 Use of Park Facilities by the public.

510 Increase or Decrease in Travel

Check of travel for the month shows 1120 visitors; an increase of .9% over the record for last month.

Very respectfully,



J. K. Peck,
District Ranger

*Noted 9/10
4/6/38*

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
March 29, 1938

The Superintendent,
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Sir:

Check of travel shows 224 cars and 1120 people were in the Haleakala Section during the month of March, 1938. An increase of .9% over the record for last month is shown.

The narrative report, rangers report, weather report, weekly and monthly travel reports are enclosed.

Very respectfully,

J. A. Pack
J. A. Pack,
District Ranger

E. J. W.

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Handwritten signature and initials

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

April 6, 1938.

The Superintendent,
Hawaii National Park,
T. H.

Dear Sir:

There follows the report of the ranger division for the month of March, 1938.

000. General.

020. General weather conditions. There were frequent rains in Kilauea Section and only five clear days at Haleakala.

100 Administration.

110. Status of work. With the acting chief ranger also acting as park naturalist for most of the month and only one other ranger available for duty, only the most urgent work was carried out.

120. Park inspections. Assistant Naturalist S. H. Lamb and Assistant Geologist H. Waesche inspected Haleakala Section on the 24th.

150. Equipment. An anemometer was installed at the observation station on Haleakala.

200 Maintenance, Improvements and New Construction.

210. Maintenance. Heavy rains caused minor damage to Haleakala road which required much repair work.

The weight of snow and ice broke the telephone wire between Puu Ulaula and Mokuaweoweo On Mauna Loa, pulling up some posts, the snow being more than six feet deep in some places. Repairs will be made when the snow melts.

230. Improvements. Stone pillars on the Rim Road, to be used for the restriction of traffic when deemed necessary, were removed Kilauea Iki side of the new utilities road.

400. Flora, Fauna and Natural Phenomena.

410. Ranger, naturalist and guide service. The ranger division conducted all guided trips for the month, the Acting Chief Ranger also performing the duties of the Park Naturalist.

470. Animals. Two more goat drives were conducted, a total of 580 more goats being accounted for.

500. Use of Park Facilities by the Public.

510. Increase or decrease in travel. The District Ranger reports that shelter houses in the crater are being increasingly used.

530. Visitors. Groups of children, accompanied by their teachers, visited the park during the month from Pahala, Pahoa, Onomea, Mountainview and Hookena. They were escorted on a park tour and given an illustrated lecture.

Mr. James E. West, Mrs. West and Miss West visited the park on the 4th. Mr. West is Chief Executive of the Boy Scouts of America.

A group of 18 Japanese poets, residents of Hilo, visited the Mauna Loa truck trail in search of inspiration and later sent copies of the resulting poems in Japanese to the Superintendent and the Acting Chief Ranger.

600. Protection.

An accident occurring outside the park which resulted in the death of one man and serious injury to two others was investigated by Assistant to the Superintendent B. F. Moomaw, Jr. and was presumably reported upon at the time. No copy of his report was furnished the chief ranger.

Respectfully,

Kenneth J. Williams
Kenneth J. Williams,
Acting Chief Ranger,

*Noted
EJW 4/6/38*

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*C.W.
Monthly Report*

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

April 1, 1938

MEMORANDUM TO THE SUPERINTENDENT EDWARD G. WINGATE.

Subject: Construction Report CCC Camp.

The following is a report of work progress of construction work accomplished during the month of March, 1938.

- | | | |
|------------------------------------|-----|----------|
| 1. Warehouse | 95% | complete |
| 2. Barracks #1 | 90% | " |
| 3. Barracks #2 | 90% | " |
| 4. Office Building | 80% | " |
| 5. Kitchen and Mess Hall | 70% | " |
| 6. Hospital ↓ | 70% | " |
| 7. Wash House | 35% | " |
| 8. Barracks #3 | 30% | " |
| 9. Water Tanks | 35% | " |

Total Amount Allotted for CCC Camp Construction \$25,000.00

Total amount expended for Feb., 1938 \$6,325.57

Total amount expended for Mar., 1938 4,127.66 10,453.23

Total Unexpended balance \$ 14,546.77

Respectfully submitted,

Robert R. Craik

Robert R. Craik
Foreman

er

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10-23
(May 1929)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL PARK

FILE NO.

MONTHLY REPORT
FEBRUARY 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

March 10, 1938

The Director
National Park Service
Washington DC

Dear Mr. Director:

There follows the report of activities in Hawaii National Park during February.

000 - General

020 - General Weather Conditions

Total rainfall at headquarters amounted to 9.72 inches, at the CCC camp 4 inches and at Haleakala 7 inches. Most of the precipitation came during the first part of the month, with the last two weeks very dry. Snow remained on both Mauna Kea and Mauna Loa during the entire month.

100 - Administration

110 - Status of Work

Notice was received that the position of storekeeper had been established, and it is hoped that it will be filled by transfer from some other park.

120 - Park Inspections by:

121 - Superintendent: After the superintendent's return from the mainland on the 19th, routine inspections were made of all work, both regular and CCC, in progress, as well as general inspection of all the main traveled sections of the park.

123 - National Park Service Officers: Assistant Naturalist Lamb and Assistant Geologist Waesche departed on the 23rd for Honolulu, where they boarded the US Coast Guard Cutter Taney for a trip to Howland, Jarvis and Baker Islands.

124 - Other Interior Department Officers: E.E. Tillett, CCC Field Supervisor, was in the park between the 16th and 20th, and while here took part in the goat drive on the 18th.

130 - Finance and Accounts

A detailed financial statement is attached.

140 - Labor Situation

On February 5 the crews of the Inter-Island steamers decided to go on strike for recognition of their union by the Inter-Island Steam Navigation Company. Settlement was reached on the 9th, and the ships resumed their regular schedules shortly thereafter.

150 - Equipment and Supplies

One dining room set was received for the superintendent's residence.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

Heavy rains caused minor damage to road shoulders during the first 10 days of the month. Repairs were conducted after the rains had ceased. At Haleakala, the slides on the road caused by the earthquake on January 29 have been removed, but the damage to the surface is not completely repaired due to the extremely wet weather.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

313 - Schedules of Rates: The rates for 1938 for the Volcano House were submitted for approval on the 10th, and those for E.J. Walsh, who has the concession at Haleakala, on the 12th.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Gunder E. Olson, former quartermaster at our CCC camp, entered on duty as park ranger on the 9th. Recommendations for the appointment of Ralph K. Shaver and Otto Degener as seasonal rangers for the coming summer were mailed on the 24th.

In the absence of the park naturalist the acting chief ranger is also performing his duties.

420 - Museum Service

Samuel Lamb, assistant park naturalist and Hugh Waesche, assistant Geologist, left the park on the 23rd to make a trip to the Line Islands, Howland, Baker and Jarvis, on the USCG Cutter Roger Taney. They expect to be gone until approximately the first of April.

480 - Natural Phenomena

A complete report of the activities of the personnel connected with the Volcano Observatory is attached.

500 - User of Park Facilities by the Public510 - Increase or Decrease in Travel

Travel to the Kilauea section amounted to 12,877 persons as compared with 11,734 for the same period last year, and at Haleakala the district ranger reported 1110 travelers as against 2060 for February 1937.

530 - Visitors and Social Parties

February 9 - Stephen Wardwell, CCC landscape architect, Mt. Shasta National Forest, departed on the 13th.

" 19 - Mr. F.C. Atherton, Vice President of the Hawaiian Volcano Research Association, and also president of Castle & Cooke of Honolulu

Several parties of US sailors, and a group of member of the Leupahoehoe Kamara Klub, with their advisor, visited the park during February.

600 - Protection640 - Destruction of Predatory Animals

All rangers, plus a large number of CCC enrollees, supervisory personnel, Mr. Tillett and various others, took part in a goat drive on the 18th, in the vicinity of Hilina Pali, and covering an area of approximately 48 square miles. The official count was 2861 captured. Many others died before reaching the corral or escaped over the high cliffs. Bids for the purchase of these animals had been sent out previously, the contract being awarded to the Hilo Meat Company. Unfortunately the contractor was unable to take delivery for several days following the drive and in the meanwhile fully one-third had escaped.

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900 - Miscellaneous

CCC - Herbert R. Rennie, of Waiohima on this island, entered on duty February 9 as quartermaster, to fill the vacancy left by Gunder E. Olson, who had received an appointment as ranger in this park.

The most outstanding event of the month was the beginning of construction on the new camp. Other new construction consisted of new garages to house private cars of park employees. Work was continued on the seismograph cellar and trailside museum at the end of the Mauna Loa truck trail.

Ten pack animals were loaned to the Waimea CCC for two days, for use in transporting building materials for a hunters' cabin to be located in the forest at the base of Puu Kulani. This cottage will serve as an overnight shelter for pig hunters. It is an effort to assist in eliminating the too-abundant wild pigs in that region.

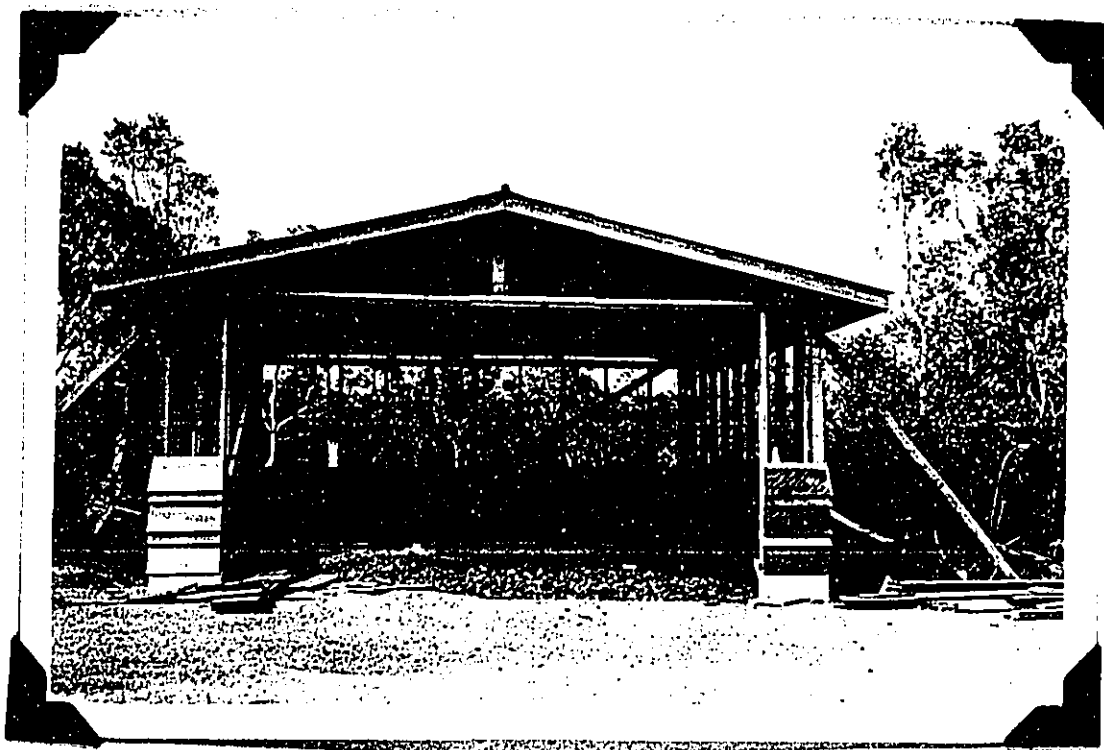
This camp was well represented in the preliminaries of the Big Island Athletic Union championships in boxing, with five out of eight entries qualifying. Basketball continued throughout the month, with the "Big Team" remaining undefeated and the 140 pounders picking up. They won the last game with a score of 48-22. We have a team selected to represent the camp in the island championship on March 12.

Respectfully submitted

Edward G. Wingate
Superintendent

CW

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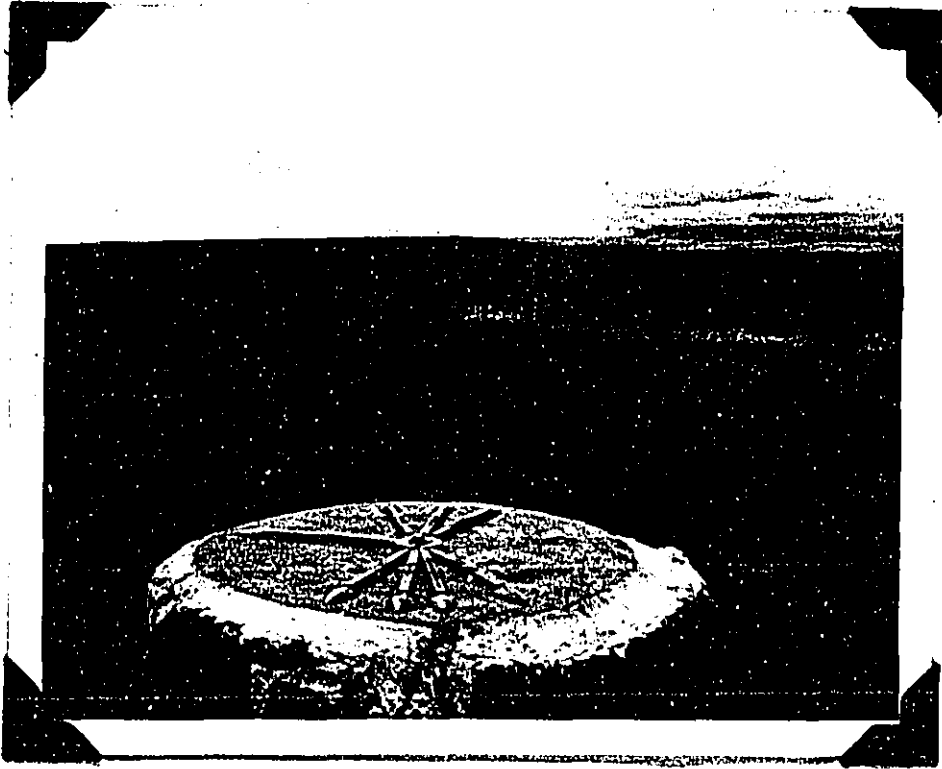


One of the garages being constructed for private cars of park employees by the CCC - Job 235P

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Completed information finder, 'ua Huluhulu, before pointing up.
CCC job 14.



Close-up of information pointer, Iuu Huiuhulu

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Missing from book
8.24.00
CML

Completed observation station at end of Mauna Loa truck trail,
6700' elevation - CCC job 111F

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Interior view of Mauna Loa observation station

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

March 10, 1938

Edward G. Wingate, Superintendent
Hawaii National Park

Subject: Report of the
Hawaiian Volcano Observ-
atory for February 1938

Dear Mr. Wingate:

The month of February was used to continue instrument design and construction, and compilation of earthquake data, partly with a view to discovering what parallels exist in history of the Observatory, for the strong earthquake that affected Honolulu on January 22. Several earthquakes in the past had centered in the region of Maui. The last 10 days of the month were filled with important decisions to the effect that Mr. Waesche will go to Jarvis, Howland, Baker and other islands on the Coast Guard Cutter "Taney" February 27, and Dr. Jagger will go to Washington, leaving Hawaii April 16.

Volcanic Activity of the Month

The various measurements at Halemauau pit show steady increase of motion throughout February and into the first week of March. It is probable that the alternation, noted recently between origins for earthquakes at Mauna Loa distances, and more numerous ones under Kilauea mountain; implies for the former lowering of lava at the Mauna Loa center of 1935, and for the latter rising of lava under Kilauea crater for an eruption that is near at hand. The following are the local data:

<u>Week ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack Openings</u>	<u>Quakes</u>
Feb. 6	11.75	0	2.5 mm	37
13	10.00	1	6.0	36
20	19.75	5	10.0	40
27	#	9	9.5	43

#Deferred, seismologist absent on leave

Notable shocks were a moderate one on northeast rift of Mauna Loa February 17, and one the next day at Kilauea, February 18; there were two feeble Kilauea shocks February 20 and 21, and a slight shock of Mauna Loa origin dismantled the Kona seismograph February 25. These several felt shocks illustrate the alternation between Kilauea and Mauna Loa. Of all measured shocks, distances of origin indicate

that 23 were Kilauea, eight were Mauna Loa and seven were beyond Mauna Loa. Large distant earthquakes were registered February 1 and 4, the first from the Banda Sea west of New Guinea, second not identified. There were heavy flood rains about February 13.

Work of the Volcanologist

Dr. Jaggard was occupied with correspondence, weekly reports and some map-and-manuscript research concerned with the approaching Washington lecture. Progress was made during the first half of the month, with the zenith finder, being built by the mechanic. Improvements made in this instrument involved re-arrangement of its parts, and experiments on illumination of the cross-hairs for night work. It was found that radium enamel such as is used on watch dials gave the best results, and star tests of the remodelled instrument showed satisfactory progress in small improvements of tripod, gimbals, lenses and mirrors.

A radio from the Director February 9 indicated that the officers of the American Geophysical Union requested the presence of the volcanologist in Washington on April 29, to give one of four special addresses in a symposium, on "the physics of volcanology." The volcanologist replied that he would go if he could raise the traveling expenses. As the President of the YMCA on Hawaii, opportunity offered for him to go to St. Louis May 3-6, with expenses partly paid as delegate from Hawaii to the National Council Meeting of YMCA. When Superintendent Wingate returned February 19 he indicated that some per diem expense might be furnished for this journey from funds available for Hawaii National Park. The Volcanologist accordingly wired Washington on February 18 accepting the Geophysical Union engagement.

Several instruments of the Seismoscope pattern were finished during the month, with the annunciator box on top, and mercury contacts for six different amplitudes of earthquake motion, inside. An instrument of this type which has slowly been improved, was tested satisfactorily by the felt earthquakes of the month in comparison with the seismographs, and with the old annunciator. Two of these instruments were made ready for Mr. Waesche to take with him to the South Seas, to be left on any of the islands that seemed most suitable, in charge of the resident radio operators.

A subject given attention here in the past has been the making of efficient seismograph pen tips. These have been made with aluminum pens and extremely minute watch screws for the cup bearings. The tiny steel pen is magnetized and attached to a spindle of very small size in these cups. An old Omori pen, very simply constructed, easy to handle, and without any screws, was recently tested in Kona, and found to write an excellent line on the smoked paper. Accordingly, with one of these pen tips for a model, Mr. O. Wonder, jeweler of Hilo, was

employed to make copies of this pen.

Some work was done during the month on the manuscript by Austin E. Jones, entitled "Empirical Studies of the Seismic Phenomena of Hawaii." This manuscript is presented to the graduate faculty of the University of Hawaii for the degree of Master of Science, and will be published by the Seismological Society of America. Mr. Jones was formerly seismologist here, and is now doing geophysical prospecting for the Shell Petroleum Corporation at Midland, Texas. Illustrations are being prepared by the Park Photographer from Observatory seismograms for this manuscript.

A report was prepared as requested in the central office in Washington, on the research activities of the Hawaiian Volcano Observatory, for a National Committee investigating the needs of research in the Federal government. This was finished February 18.

On February 20 Dr. Jaggard went to Honolulu for conference with officers of the Hawaiian Volcano Research Association; to attend meetings of the Hawaiian Engineering Association dealing with revision of the Honolulu City Building Code, with reference to earthquake-proof construction; and to meet Mr. Richard Black, representative of the Department of the Interior, and present to him Assistant Geologist Waesche and Naturalist Lamb on the morning of February 24. Mr. Black is in charge of the colonization plans of the South Sea islands to which he was proceeding, with these representatives of the National Park Service on February 27.

Conferences were had with Professors Eller and Ballard of the Physics Department, University of Hawaii, and with President Crawford.

Mr. Beach, a radio operator of the Army, has been working under Dr. Eller on magnetism investigations of Kilauea lavas, with reference to melting them in an electric furnace. Mr. Beach has been ordered to take the South Sea trip on the "Taney" in order to remain some months on one of the islands and he is taking some of his apparatus and specimens with him.

Drs. Ballard and Payne have made more analyses of the gas specimens collected at Kilauea, and will prepare a technical account. The Department of Physics is interested in having Honolulu equipped with a strong-motion seismograph, as the delicate Milne-Shaw instrument was disabled in the recent earthquake, and made no record.

President Crawford made pregnant suggestions concerning the approaching Annual Meeting March 30 of the Hawaiian Volcano Research Association, when it is planned to ask the leaders of the community to take some definite action supplying funds for the back publications; and to meet scientifically the practical needs of the present crisis which is totally under-financed.

In the absence of Assistant Geologist Waesche during the coming month the work of the Observatory falls upon the Volcanologist.

On January 16, 1938 Dr. Jagger was elected corresponding member of the Geological Society of Belgium at Liège.

Work of the Seismologist

H.H. Waesche, Assistant Geologist, continued his labors as usual on transit angles, levelings, measurement of cracks, and recording of seismograms, and he has finished the seismometric reports for the Volcano Letter up to and including December, 1937. He has also plotted charts of tilt, seismicity and geodetic measurements, and has continued his investigation of seismic statistics for the last three years.

An important and laborious part of his work is the daily recording of time by radio reception from distant stations. He is a skilled radio amateur, and holds a license for radiophone wherewith he can talk to amateurs all around the Pacific.

On February 1 he learned from an amateur in Sydney that the large earthquake we recorded on that day centered west of Aru island in the Banda Sea.

This assured us that the telesism would not be followed by a tidal wave at Honolulu, because of the intervening land. If this quake had proved to be off the coast of Chile it might have made a disastrous tidal wave for the same distance of origin.

On his trip to the South Seas, Mr. Waesche will learn much that is of value from the radio operators with whom he will leave seismoscopes, and to whom he can probably talk from his station in the future.

Work of the Assistants

S. Sato, librarian and assistant in geophysics under the University of Hawaii and the Research Association, has worked steadily on the important task of classifying and card-cataloging the negatives and photographs of the Observatory. This work has been checked by the Volcanologist, who is familiar with the conditions under which most of the negatives were made.

In this, as in the library classification that preceded, the extreme congestion and danger of fire is evident. In his classification of seismograms, stored with the books, pamphlets, publications, maps, drawings, film negatives, cameras and correspondence files in a room 18 feet square, his work was brought to a standstill by the complete impossibility of making case-room in the allotted space.

All of these things are inflammable, all of them are used, and it is perfectly futile to discuss any protection other than a safe, new and large laboratory building.

The work of A. Okuda in the shops has been greatly advanced by his increased skill, from the month he took in a mechanical school in Honolulu. H. Yasunaka has been kept busy, with an unusual amount of attention required for the distant seismographs, respectively two and seven miles away, when the earthquakes of strong intensity have so threatened them as to make visits necessary in the night, or at other hours outside the routine.

All three of these workers are maintained under the Research Association. Hence the importance of the coming meetings, wherein the President Dr. A.L. Dean, declines to stand for renomination, and wherein it will be determined whether Hawaii cares to continue its interest in volcano research financially.

Visitors

The following were among the visitors to the Observatory:

February 19 - F.C. Atherton, Vice President, Hawaiian Volcano Research Association

Mrs. Wallace, lecturer on social sciences.

Professor Stanley Porteus, Director of Psychological Clinic, University of Hawaii

Lectures

The following were lectures by T.A. Jaggar:

February 9 - The Church in Hawaii as World Educator Through Sun Yat Sen, Christ Church, Kona.

" 10 - The Challenge of the Modern World to Youth, Annual Meeting, YMCA, Hilo

" 14 - The Meaning of Social Service by the YMCA, CCC Camp, Hawaii National Park.

Very respectfully

T.A. Jaggar

T.A. Jaggar, Volcanologist

STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

FEBRUARY, 1938

SYMBOL	APPROPRIATION	ALLOTTED	EXPENDED & OBLIGATED	BALANCE
1481000	National Park Service, 1938	\$ 44,432.00	\$ 44,310.73	\$ 121.27
1481000	National Park Service, 1938 (F.P.F.P.)	360.00	23.04	336.96
1471000	National Park Service, 1937	44,500.00	44,023.17	476.83
14-1010	Roads & Trails, National Park Service	31,400.00	20,808.29	10,591.71
14-1130	Roads & Trails, National Parks, Emergency Construction	40,870.65	40,588.52	282.13
14-405/90762	P.W.A., Allotment to Interior, National Park Service, 1935-'39	9,303.00	9,192.81	110.19
14-443/90634	N.I.R., Interior, National Park Service, 1933-'39	13,000.00	12,278.56	721.44

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**Kilauea Section
Hawaii**

TRAVEL REPORT

National Park for the month of **February, 1938**

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						
Persons entering via motor vehicles,	12,122	61,364	11,156	60,396	968	.016
Persons entering via other private transportation,	192	1,208	197	1,275	- 67	.053
Total persons entering via private transportation,	12,314	62,572	11,353	61,671	901	.015

OTHER TRANSPORTATION:

Persons entering via Stages ^{Hotel} ,	563	3,336	381	2,119	1,217	.574
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	563	3,336	381	2,119	1,217	.574
GRAND TOTAL ALL VISITORS,	12,877	65,908	11,734	63,790	2,118	.033

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Haleakala Section, Hawaii National Park for the month of February, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Decrease	
					Number	Percent
<u>PRIVATE TRANSPORTATION:</u>						
Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	<u>222</u>	<u>1545</u>	<u>412</u>	<u>1595</u>	<u>50</u>	<u>3</u>
Persons entering via motor vehicles,	<u>1110</u>	<u>7726</u>	<u>2060</u>	<u>8050</u>	<u>324</u>	<u>4</u>
Persons entering via other private transportation,						
Total persons entering via private transportation,	<u>1110</u>	<u>7726</u>	<u>2060</u>	<u>8050</u>	<u>324</u>	<u>4</u>
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	<u>1110</u>	<u>7726</u>	<u>2060</u>	<u>8050</u>	<u>324</u>	<u>4</u>

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month,				
Campers in public camps during month,				

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10-160

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park for the Month of February, 1938

	This Year	Last Year
Park revenue on hand beginning of month,	0.00	0.00
Received,	0.00	12.00
Total,	0.00	12.00
Remitted,	0.00	12.00
On hand close of month,	0.00	0.00

Park revenues received this year to date, \$ 173.00

Park revenues received last year to date, 335.50

~~Increase~~, Decrease 162.50

Per cent of ~~increase~~, Decrease 48 1/2

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

-----Hawaii----- National Park for the month of -----February, 1938-----

0-2502

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
520.1 Haleakala Road, Post Construction (F. A.)	98	3	4	
523 Uwekahuna-Bird Park Road, surfg., treatment, 1.75	100	0	0	
524 Residential Area Roads, completion 3/4 mile clrg., grdg., and surfg. (F. A.)	100	0	2	
525 Headquarters Area Roads, Improvements, (F. A.)	100	0	1	
526 Resurfacing two miles of main park highway at Kau (west) entrance (F. A.)	0	0	0	
F.P. 663.14 For the erection of one observation station & toilets; one office & checking station; including the purchase of one wood heating stove and miscellaneous furniture, Haleakala	100	0	0	
F.P. 677.14 Employee's Residence and connecting service lines for newly appointed U.S. Commissioner, including purchase of equipment	100	0	0	

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10-159
 (May 1931)
 (99566)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Hawaii National Park for the Month of February, 1938

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
	Reg.	PW	Reg.	PW
Number of employees beginning of month	18	0	20	0
Number of additions.....	1	0	0	0
Total.....	19	0	20	0
Number of separations.....	0	0	0	0
Number of employees close of month.....	19	0	20	0
Number of promotions during month.....	0	0	0	0
Aggregate amount of annual leave taken	15½	0	61½	0
Aggregate amount of sick leave taken....	0	0	0	0
Aggregate amount of leave without pay..	0	0	0	0

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii National Park
REPORT OF SALES OF PUBLICATIONS

February, 1938

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	994	\$ 145.25
Received during month,	0	0.00
Total,	994	145.25
Sold during month,	0	0.00
On hand at close of month,	994	145.25

NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,	\$ 12.12
Sales during month,	0.00
Total,	12.12
Remitted during month,	0.00
Balance,	12.12

C.W.
To monthly report

HAWAII NATIONAL PARK
Hawaii, T. H.

et. 111

March 3, 1938.

The Superintendent,
Hawaii National Park,
T. H.

Sir:

There follows the report of the ranger division for the month of February, 1938.

000 General

020 General weather conditions. Very heavy rains fell early in the month. The last half of the month was very dry. Considerable snow still remains on Mauna Loa.

100 Administration

120 Park inspections by Acting Chief Ranger were made after return from annual leave on the 16th. Acting Executive Officer Benjamin F. Moomaw, Jr., made an inspection of the desert area where a goat drive was later made.

200 Maintenance, Improvements and new Construction.

210 Maintenance. Heavy rains caused minor damage to road shoulders. Repairs were conducted when the storm ceased. At Haleakala section the slides on the road caused by a recent earthquake have been removed but the damage to the road surface is not completely repaired due to wet weather.

400 Flora, Fauna and Natural Phenomena.

410 Ranger, Naturalist and Guide Service. The ranger division conducted 13 park tours contacting 617 visitors, delivered 10 illustrated lectures to 1018 people, both in and out of the park, and one 3-minute broadcast over station KGMB on the subject "Know your National Park".

420 Museum Service. In the absence of the park naturalist on a cruise to the south seas the Acting Chief Ranger is also performing the duties of the naturalist.

470 Animals. All rangers took part in a goat drive on the 18th when approximately 5000 goats were captured. As delivery by the bidder was not taken for several days fully one-third escaped in the interim. This was unfortunate as the work will have to be repeated.

500 Use of Park Facilities by the Public.

510 Increase or Decrease in Travel. No apparent cause explains the

decrease of 30% in travel to Haleakala Section. The weather was better than usual. There was also a slight decrease in the Kilauea Section explainable by the shorter month.

530 Visitors. Landscape Architect Stephen Wardwell, CCC, Mt. Shasta, visited the park during the month.

Several groups of US sailors and a group of members of the Laupahoehoe Kamara Klub, with their advisor visited the park.

600 Protection.

640 Destruction of Predatory Animals. Almost 2000 wild goats were destroyed in a goat drive.

650 Signs. Most of the wooden signs in the park need repainting. If and when a CCC project is approved for this work the signs can be collected gradually, in some cases errors corrected and reinstalled when renovated.

Respectfully,

Kenneth J. Williams
Kenneth J. Williams,
Acting Chief Ranger.

[Handwritten mark]

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B.F.H.
2-28-38

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
February 28, 1938

The Superintendent,
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Sir:

Check of travel shows 222 cars and 1110 people were in the Haleakala Section during the month of February, 1938. A decrease of 30% under the record for last month is shown.

There is no apparent reason for a decrease in travel. The weather has been better this month than it was at this time last year.

The narrative report, rangers report, weather report, weekly and monthly travel reports are enclosed.

Very respectfully,

J. A. Peck,
District Ranger



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13. FEB 28 1938

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
February 28, 1938

The Superintendent,
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Sir:

The following report for the Haleakala Section for the month of February, 1938, is respectfully submitted:

000 General.

010 Introduction

We are now having our first severe "Kona" storm of the season.

020 General Weather Conditions

021 In the Park

Precipitation during this month amounted to 7 inches. The prevailing wind direction was from the northeast. There were 10 clear days this month.

100 Administrative.

150 Equipment and Supplies

One battery for truck number 1169 received this month.

200 Maintenance, Improvements and New Construction.

210 Maintenance

The material brought into the road by the earthquake of last month, is now all removed, but the damage to the road surface is not completely repaired, due to wet weather.

400 Flora, Fauna and Natural Phenomena.

410 Ranger, Naturalist and Guide Service

The ranger in charge contacted park visitors whenever possible, and gave information and other service.

Very respectfully,

J. A. Peck
J. A. Peck,
District Ranger

[Handwritten initials]

10-23
(May 1929)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii NATIONAL PARK

FILE NO.

MONTHLY REPORT

JANUARY 1938

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE

6-7410

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

OFFICE OF THE SUPERINTENDENT

February 8, 1938

The Director
National Park Service
Washington DC

Dear Mr. Director:

There follows the monthly report of activities for Hawaii National Park during January, 1938.

000 - General

The month of January will be long remembered in the annals of the Islands, for at 10:03 p.m. January 22 the island group was shaken by the most severe earthquake in years. No damage was noted in the park, but quite a bit was evident in Honolulu and on the island of Maui, which lies just south of the point of origin. There was a continuous shaking motion for an hour and 40 minutes at the observatory, accompanied by slides in Halemauau and on the Haleakala road (Maui). Excitement was rather high in Honolulu and the Inter-Island radio phones, as well as local telephones, were busy for two hours by persons calling to see if Pele had returned to her haunts in force. However, all of the volcanoes remained disgustingly quiet.

The only other event of note was a 15" rain which fell between the 25th and 27th, over 9 inches of which fell on the 27th. No damage resulted from this downpour, however.

020 - General Weather Conditions

Rainfall at headquarters amounted to 21.98 inches, 9.71 inches of which fell on the 29th, at the CCC camp the total was 19.65 inches and on Haleakala 5.50 inches. There was a heavy snowfall on both Mauna Kea and Mauna Loa between the 26th and 29th, extending down to the 10,000 foot level on both mountains.

022 - In approaches to Park

The territorial highways suffered somewhat from the heavy rains. One bridge west of the park on the Mamalahoa highway (round-the-island road) washed out on the 29th, but was quickly repaired. Several bad slides occurred on the same highway just north of Hilo. At this writing all roads are once again passable.

100 - Administration

110 - Status of Work

All work was kept current during the month.

120 - Park Inspections by:

121 - Superintendent

In Superintendent Wingate's absence the Executive Officer made routine inspections of park and CCC work in the Kilauea section.

124 - Other Interior Department Officers

E.E. Tillett, Field Supervisor CCC, inspected the CCC activities in the park between the 19th and 23rd.

130 - Finance and Accounts

A detailed financial report for the month of January is attached.

150 - Equipment and Supplies

Three electric refrigerators, which had been declared surplus by the Procurement Division, were received.

180 - Circulars, Flacards, Publicity Bulletins, etc.

A paper, entitled "Wildlife Problems in Hawaii National Park", was submitted by Naturalist Lamb for possible use in the Third North American Wildlife Conference. Mr. Lamb has also prepared another paper "A Preliminary Ecological Survey of the Island of Hawaii" which was submitted to Dr. Walter Robyns, Director of the Belgium Botanical Garden for criticism before preparation of the final draft.

200 - Maintenance, Improvements and New Supplies

220 - Improvements

Quarters No. 1, formerly occupied by the superintendent, has been repainted both inside and out, and necessary repairs made. Quarters No. 6, formerly used by Ranger Murray, has been repainted and repaired in preparation for the next occupant.

240 - Improvements of Approaches to the Park

The contractor on the territorial highway west of the park, was making satisfactory progress on the new construction near Pahala.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

313 - Schedule of Rates

The Volcano House Company has submitted application for an increase in rates for four of their rooms from \$7.50 per day per person to \$9.00.

320 - Cooperating Governmental Agencies

Construction was commenced on a new building at the Kilauea Military Camp to house the radio transformers, etc. , and at the end of the month was approximately 75% completed.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Recommendation was submitted to the Director's office for the appointment of John E. Minter of California as park ranger.

All routine ranger work was continued with the usual assistance given the park naturalist in handling tours. Acting Chief Ranger Williams has been on leave since January 11. Part of this time has been spent on the island of Kauai, in the region of Waimea Canyon and the Napali Coast. The report of District Ranger J.A. Peck, of Haleakala, is attached. Ranger Moomaw has spent most of the month in the dual assignment of patrol ranger and as executive officer to the acting superintendent.

Word was received from the Regional Office that Ranger Philip F. Murray had entered on duty January 24 as ranger in Death Valley. Mr. Murray had been on leave on the mainland.

420 - Museum Service

Temporary exhibits were installed in two more trailside shrines during the month, namely Kipuka Puanulu and Makaouhi.

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500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel to the Kilauea section amounted to 13,550 persons as compared with 11,909 for January 1937, and at Haleakala the district ranger reports 1605 persons as compared with 1465 for the same period last year.

530 - Visitors

- January 7 - Mr. Hobart Porter, Trustee of Columbia University
- " 8 - Mr. Frank Birch, National President of Lions International. A banquet was given in his honor at the Volcano House by the local Lions club, the night of the 8th. Mr. Birch and his party departed the next morning.
- " 11 - Dr. Franc Ingraham, Neural Surgeon of Boston.
- " 27 - Mr. Chester Campbell of the Chicago Herald-Tribune.

600 - Protection

620 - Fire Protection

Shortly after midnight December 31-January 1, a flue fire occurred in the Volcano House cottage No. 21. It was quickly extinguished with no damage. Rangers Williams and Moomaw made a thorough check of the building following this and found everything safe.

630 - Accidents

On Saturday night, January 29, two automobiles collided in front of the Kilauea Military Camp. Chevrolet sedan, 1931 model, license 22-798 (1937) driven by Jaho Shiroma of Hilo, was struck by a Ford convertible coupe, 1937 model, license 21-663 (1938) driven by James Cushnie of Pahala plantation, on this island. As only slight injuries were received by Miss Doris Eutekin, passenger in the Ford, and both drivers admitted fault, settlement is to be made out of court, with the understanding that if such settlement is not made, charges of reckless driving will be brought against both parties.

640 - Destruction of Predatory Animals

Preparations for the goat drive are progressing satisfactorily. This drive is scheduled for about the middle of February

900 - Miscellaneous

CCC - Five boys were enrolled and two discharged. Head foreman, John Makaimoku, who had been suspended from the Service November 6, 1937, was reinstated January 22 by order from the Secretary

Construction was started on two garages for housing private cars of park personnel. A plan for landscaping the grounds of the Volcano House was submitted to the Regional Office for approval. Two sketches, one for a grease rack and the other for a wood storage shed, were also forwarded the Regional Office for correction and final drafting. The minor road to the teater at the Kilauea Military Camp was started in January and good progress is being made on this project.

Field trips to numerous areas in the park were made by the enrollees on Saturdays and Sundays. The camp has two basketball teams and also a number of boys who are actively engaged in boxing. On the 29th the camp sponsored a snoker with the Waiakea Mill of Hilo, which was held at the Military camp theater. Three matches were won by the enrollees.

Respectfully submitted

T.A. Jaggar
Acting Superintendent

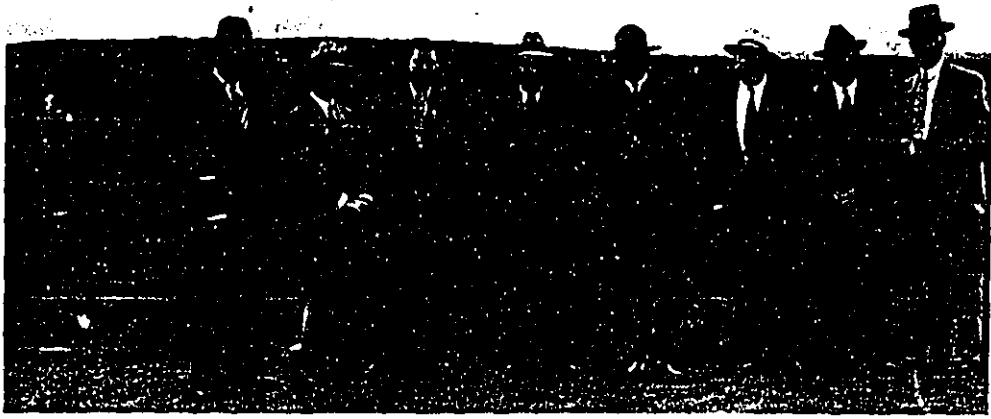
By: *B. F. Moomaw, Jr.*
B.F. Moomaw, Jr.,
Executive Officer

BFM/cw

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Combined Hamakua Y.M.A. at Halemaumau, January 23, 1938



Lions International President F. V. Birch of Milwaukee, Wisconsin with local club officials at Halemaumau, January 8, 1938

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Showing old earthquake crack across new road
to theater, Kilauea Military Camp, CCC job
#246R



Road to new CCC campsite



Nearly completed trailside shrine at end of Mauna Loa truck trail
CCC Job No. 111P.

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STATISTICAL REPORT NO. 8

FINANCE AND ACCOUNTS

January, 1938

<u>Symbol</u>	<u>Appropriation</u>	<u>Allotted</u>	<u>Expended & Obligated</u>	<u>Balance</u>
1481000	National Park Service, 1938	\$44,432.00	\$43,666.75	\$ 765.25
1481000	National Park Service, 1938 (FFP)	360.00	23.04	336.96
1471000	National Park Service, 1937	44,500.00	44,023.17	476.83
14-1010	Roads & Trails, National Park Service	22,500.00	20,723.84	1,776.16
14-1130	Roads & Trails, National Parks, Emergency Construction	40,870.65	40,489.12	381.53
14-405/90762	P.W.A., Allotment to Interior, National Park Service, 1935-39.	9,303.00	9,192.81	110.19
14-443/90634	M.I.R., Interior, National Park Service, 1933-1939	13,000.00	12,278.56	721.44

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

February 7, 1938

Mr. Edward G. Wingate, Superintendent
Hawaii National Park
Hawaii, T. H.

Subject: Report of the Hawaiian Volcano Observatory for January, 1938

Dear Mr. Wingate:

The month of January produced progress in instrument design and construction, in compilation of the earthquake data of the last three years, in the 1938 financial campaign of the Hawaiian Volcano Research Association, and in the construction of Mauna Loa earthquake instrument cellar. An event of note was a near-shock, or large earthquake that centered on Maui, and gave much occupation to the staff in locating center, and carrying correspondence, after January 22 when it occurred.

Volcanic Activity of the Month

The first week was notable for some earthquakes at north Kona and Kohala distances, the second week for numerous very feeble Kilauea shocks, the third week for the strong Maui shock, and the fourth week for marked decline in seismicity. Nothing happened at Kilauea crater. The following are the local data:

<u>Week ending</u>	<u>Seismicity</u>	<u>Slides</u>	<u>Crack openings</u>	<u>Quakes</u>
January 9	16.75	2	6.5 mm	40
January 16	16.00	1	0.5 mm	49
January 23	17.50	2	3.0 mm	21
January 30	6.75	0	11.3 mm	21

The seismicity was notably higher than in December: of the measured earthquakes 22 were from Kilauea, 5 from Mauna Loa, and 8 from beyond Mauna Loa. A moderate Kilauea earthquake occurred January 9, a strong earthquake centered at Maui January 22, a slight shock of January 5 was felt in Hilo and probably originated on Mauna Loa, and feeble shocks somewhat felt occurred January 3, 14, and 17.

The Maui earthquake shock and alarmed Honolulu and did damage on Maui, Molokai and Lanai. Its middle belt extended from central Maui westward towards Kahoolawe. It was prolonged and much felt on Hawaii, with slight damage at Kohala.

Work of the Volcanologist

Dr. Jaggard issued the usual weekly reports and did some work on preparation of the next number of the Volcano letter, but the publication of the latter is delayed

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because of lack of funds of the Research Association, and because of the illness in the hospital of the Secretary.

Considerable progress was made in construction of the ten seismoscopes. The one being tested in seismograph cellar behaved satisfactorily with slight and moderate earthquakes, but the mercury contacts were considerably deranged by the strong earthquake of January 22. Important improvements have been made in the adjusting mechanism, and tests were made with one instrument, using transformer on electric light circuit, for annunciator. The adaptations of the instrument, for places possessing 110 volt current, are proceeding satisfactorily.

Dr. Jagger served as Acting Superintendent of the Park after January 1, but the issues that arose were handled efficiently by Executive Assistant Moomaw, and by Acting Director of C.C.C. Camp J. H. Christ. The Volcanologist checked the stenographic manuscript of Engineer Hearings, Hilo Chamber of Commerce, submitted by Miss Whitney. After the moderate quake at Kilauea January 9, in view of the absence on leave of Acting Chief Ranger Williams, the Park personnel was organized for immediate readiness, in case of an outbreak of Kilauea.

Some work was done on the annual appeal letters of the Financing Committee of the Research Association, as the Secretary of that Association was in hospital. A manuscript was reviewed for Dr. H. T. Stearns, on the "Geology of Hawaii". The annual meeting of Hilo Chamber of Commerce was attended January 18, and the quarterly meeting of Federal Business Association January 21.

Considerable progress was made in experimental work, with a new design of Zenith Finder being built, under the Volcanologist's direction, by the mechanic Okuda. A test of rough adjustment of the lenses on stars January 4, showed a brilliant field, and after the middle of the month a brass plate of movable cross-wires was constructed. The instrument was placed on a tripod, counterpoised by a weight on a shaft under the tripod, passing through a ball-bearing bowl. This instrument simplifies a more elaborate one designed two years ago for rapid determination of latitude and longitude.

Both the Volcanologist and the Seismologist were busy after January 22 with correspondence, securing all information possible about the big earthquake, and concerning agitation started in Honolulu about earth-quake-proof construction.

Work of the Seismologist

Mr. H. H. Waesche, Assistant Geologist, was engaged January 4, in making tests of the new Berger engineer's transit, on angles across Kilauea crater, and the instrument was found to be in adjustment.

Mr. Waesche investigated the frequency of seismic disturbances as recorded at the Hawaiian Volcano Observatory during 1935, 1936, and 1937. During those three years there has been recorded a total of 9486 tremors or minutes of tremor, 841 very feeble earthquakes, 68 feeble ones, 34 slight, 12 moderate, and 75 distant earthquakes.

earthquakes.

Other earthquake statistics investigated are the hours of the dry, and seasons of the year, during which most seismic disturbances occur.

New routine charts, for keeping record in the year 1938, of tilt, cracks, angles etc. were prepared.

Otherwise the work of the Seismologist involved showing visitors through the Observatory, working up the weekly and monthly reports on seismic movements, and carrying on correspondence with the Coast Survey Seismologist in Honolulu about the earthquake of January 22.

Work of the Assistants

S. Sato returned to his regular work from hospital absence January 17. A. Okuda worked in the shops making instruments throughout the month, and H. Yasunaka continued his usual work of assistance in seismograph routine, mechanical care of cars and garages, and out-of-door service.

Visitors

The following were among the visitors to the Observatory:

January 7 - Mr. Hobart Porter, Trustee of Columbia University.

January 11 - Dr. Franc Ingraham, Neural Surgeon of Boston

January 24 - Dr. Walter Burrage, Physician of Boston

January 27 - Mr. Chester Campbell of the Herald Tribune, Chicago

Very respectfully,



T. A. Jaggard,
Volcanologist.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

Wailuku, Maui
January 31, 1938

The Superintendent,
Thru Office of the Chief Ranger,
Hawaii National Park, Hawaii

Dear Sir:

The following report for the Haleakala Section for the month of January, 1938, is respectfully submitted:

000 General.

010 Introduction

The earthquake that occurred here on the evening of January 22nd., did no serious damage. Many tons of rocks were jarred into the road, but all the material will be cleared away in a few days. A number of small cracks appeared in the pavement and some breaks were made in it by falling rocks, but it will entail only minor repairs.

020 General Weather Conditions

021 In the Park

Precipitation during this month amounted to 5.50 inches. The prevailing wind direction was from the northeast. There were 8 clear days this month.

100 Administrative.

150 Equipment and Supplies

One carpenters brace and 3 bits, received January 13th.

200 Maintenance, Improvements and New Construction.

210 Maintenance

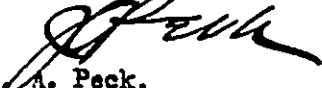
The many rocks jarred into the road by the recent earthquake are causing much extra work and the use of powder to remove them. The damage to the road surfacing is slight and will soon be repaired.

400 Flora, Fauna and Natural Phenomena.

410 Ranger, Naturalist and Guide Service.

The ranger in charge contacted park visitors whenever possible, and gave information and other service.

Very respectfully,


J. A. Peck,
District Ranger

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

(Kilauea Section) TRAVEL REPORT

Hawaii

National Park for the month of January, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,						
Persons entering via motor vehicles,	12,576	49,242	11,185	49,240	2	.00004
Persons entering via other private transportation,	181	1,016	350	1,078	-62	.057
Total persons entering via private transportation,	12,757	50,258	11,535	50,318	-60	.001

OTHER TRANSPORTATION:

Persons entering via stages ^{Hotel} ,	793	2,773	374	1,738	1,035	.595
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	793	2,773	374	1,738	1,035	.595
GRAND TOTAL ALL VISITORS,	13,550	53,031	11,909	52,056	975	.019

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

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10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Haleakala Section, Hawaii National Park for the month of January, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,						
Cars reentry,						
Motorcycles,						
Total motor vehicles,	<u>321</u>	<u>1323</u>	<u>225</u>	<u>1176</u>	<u>147</u>	<u>12</u>

Persons entering via motor vehicles,	<u>1405</u>	<u>6616</u>	<u>1465</u>	<u>5990</u>	<u>626</u>	<u>10</u>
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Persons entering via other private transportation,						
--	--	--	--	--	--	--

Total persons entering via private transportation,	<u>1405</u>	<u>6616</u>	<u>1465</u>	<u>5990</u>	<u>626</u>	<u>10</u>
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OTHER TRANSPORTATION:

Persons entering via stages,						
--	--	--	--	--	--	--

Persons entering via trains,						
--	--	--	--	--	--	--

Persons entering otherwise,						
---------------------------------------	--	--	--	--	--	--

Total other transportation,						
---------------------------------------	--	--	--	--	--	--

GRAND TOTAL ALL VISITORS,	<u>1405</u>	<u>6616</u>	<u>1465</u>	<u>5990</u>	<u>626</u>	<u>10</u>
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	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,				
Campers in public camps during month,				

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Hawaii

January, 1938

National Park for the month of

6-8562

Description of projects	Percent constructed to date	Percent constructed this month	Percent constructed last month	Probable date of completion
520.1 Haleakala Road, Post Construction (F. A.)	95	4	3	
523 Uwekahuna-Bird Park Road, surfg., treatment, 1.75	100	0	0	
524 Residential Area Roads, completion 3/4 mile clrg., grdg., and surfg. (F. A.)	100	2	0	
525 Headquarters Area Roads, Improvements. (F. A.)	100	1	1	
F.P.663.14 For the erection of one observation station & toilets; one office & checking station; including the purchase of one wood heating stove and miscellaneous furniture, Haleakala	100	0	0	
F.P.677.14 Employee's Residence and connecting service lines for newly appointed U.S. Commissioner, including purchase of equipment	100	0	1	

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10-160

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Hawaii National Park for the Month of January, 1938

	This Year	Last Year
Park revenue on hand beginning of month,	0.00	0.00
Received,	102.25	25.00
Total,	102.25	25.00
Remitted,	102.25	25.00
On hand close of month,	0.00	0.00

Park revenues received this year to date,	173.00
Park revenues received last year to date,	323.50
Income Decrease	150.50
Per cent of income decrease465

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10-161
(Sept. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR.
NATIONAL PARK SERVICE
Hawaii National Park

REPORT OF SALES OF PUBLICATIONS

January, 1938

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	996	\$ 147.10
Received during month,	0	0.00
Total,	996	147.00
Sold during month,	2	1.85
On hand at close of month,	994	145.25

NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,	\$ 12.12
Sales during month,	1.85
Total,	13.97
Remitted during month,	1.85
Balance,	12.12