

10-23
(May 1923)
6-7410

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

FILE NO.

SUPERINTENDENT'S MONTHLY NARRATIVE REPORTS

~~DECEMBER~~ 1948

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This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge.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.

January 11, 1949.

Air Mail

MEMORANDUM for the Regional Director, Region Four.

Enclosed are five copies of the Superintendent's Monthly
Narrative Report for the month of December 1948.

Frank R. Oberhansley,
Superintendent.

- Enclosure

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January 11, 1949.

Air Mail

MEMORANDUM for the Director.

Following is the report of activities in Hawaii National Park for the month of December, 1948:

Weather

Stormy weather prevailed most of the month in both sections of the park with but 9 clear days at Kilauea and 7 at Haleakala. On the 25th the areas near the observatory at Haleakala were ice covered. The summit of Mauna Loa retained a snow cap throughout the month.

	<u>Kilauea</u>	<u>Haleakala</u>
Maximum temperature	88°	85°
Minimum temperature	44°	35°
Precipitation	18.13"	16.22"

Special Activities

The Superintendent, Chief Ranger, and Park Foreman arrived on Maui on December 1, via Navy LST, together with 6 horses, saddles, and a supply of grain and hay acquired from Kilauea Military Camp under Public Law 841. The stock will be used in goat control work and crater patrols at Haleakala. Foreman Quick inspected roads, trails and buildings, advised and assisted the small resident staff on maintenance problems, and assisted the Superintendent and Chief Ranger in examining and roughly locating a new headquarters site at Kula, directly south of a former site that had been tentatively selected. The Superintendent was speaker at the Maui Rotary luncheon the same day, and conferred with Robert von Tempsky and others concerning the Haleakala concession and park plans and activities of general interest. Mr. von Tempsky desires to operate the lodge on a seasonal basis - May through September - as his experience for the past year indicates little demand for visitor accommodations during the winter months. Special report and recommendation of award of new special use permit have been submitted. A conference was also had with Mr. Richard Baldwin, Manager of Haleakala Ranch, concerning the proposed new headquarters site directly south of the one formerly designated which he stated was available for purchase or exchange for Territorial land. The return trip from Maui was made by Navy plane the afternoon of December 3 after a general inspection at Haleakala.

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Mrs. Dora M. Ihle, Training Officer in the Department, was shown about the park by various staff members during her visit December 7 to 10, including a side trip to Kalapana with Miss Mary Gibbs of this office on December 9.

President Hons of the Hilo Chamber of Commerce and a party including Mr. and Mrs. Robert T. Grose, lecturer, world traveler and President of the San Francisco Advertising Club, were conducted on a 3-hour tour about the park on December 8.

Several conferences were had with Concessioner Nick Lycurgus concerning the preparation of plans for the proposed 10-room addition to the Volcano House, use of the old park administration building as an annex to the hotel, new schedules of basic rates and reappraisal of water rates to the hotel. These matters have been reported separately.

Mr. Emil Sady of the Department's Territory Division arrived in the park with Mr. Thomas A. Vance, Director of Territorial Institutions, and Secretary Orrin Long of the Territorial Government, on December 22. They were shown about the park by Mr. Moomaw and taken to Hilo for a public hearing on the Kulani Prison problem where the Hilo Woman's Club, Mr. Carl Carlsmith and others bitterly opposed to the proposed expansion of the prison, gave Mr. Vance and his proposed program a rough reception. Opponents of Kulani prison inquire why investigators of the prison program from the Department invariably approach the problem through Mr. Vance rather than from the opposite angle. The Superintendent was on leave at Kona December 21 to 23 during Mr. Sady's unannounced visit to the park December 22 and 23.

On December 26 and 29 groups of distinguished jurists and park friends were taken by jeeps to Hilini Pali to observe possibilities of providing access to the most scenic area of the park when the Kalapana addition is completed. Included in the groups were Judge Martin Fence of the 3rd Circuit Court, Mr. Eugene Beebe, head of the law firm Beebe, Cades & Beebe, of Honolulu, Mr. Ernest Kai, former Attorney General, and Mr. Harold Lant, attorney from Bellingham, Washington. Others who joined in reviewing the prospects at Kalapana and who strongly support completing the Kalapana acquisitions are Senator Hardy "Doc" Hill, Peter Beamer of Hilo, and Editors Harry Blickbalm of the Hilo Tribune-Herald and Vern Hinkley of the Honolulu Star-Bulletin.

Inspections

Mr. Emil Sady as reported above.

Boundary Studies

Chief Ranger Hjort inspected the area adjacent to the north boundary to determine the amount of damage being done as a result of the tree fern removal and to study the type of cover on this unit which we hope to include in the park by outward revision of boundary following a decision as to whether new legislation will be required to authorize this extension. Fern harvesting on land adjacent to the park is fortunately at an end for the time being pending a solution of technical difficulty in processing shipments.

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General Publicity

Editor Vern Hinkley of the Honolulu Star-Bulletin has practically completed writing the text of a book on Hawaii National Park which he hopes may be ready for publication after it has been critically reviewed here.

Maintenance and Construction

New sliding doors were installed at the Carpentry Shop to provide protection from the weather and security for the shop.

The Lava Tube interpretive exhibit was repaired by installing new supports for the case.

Two sets of quarters were completely refinished inside and painted outside and 5 other cottages were rehabilitated to some extent. Two circulating oil heaters were installed, making a total of 16 quarters in the park so equipped. Work was started on the new administration building which it is anticipated will be completed within six weeks. The interior must be painted, floors treated to seal cracks and even joints, linoleum laid in offices, information counter constructed, and lighting fixtures and some wiring replaced.

The skeleton roads and trails crews performed only the most urgently needed road repairs and concentrated on getting equipment repaired and overhauled in preparation for a more intensive program when furloughed laborers are recalled after the weather becomes more settled.

Approaches to the Park

The Hilo approach road has received no County maintenance for several months and it has been necessary for the OIaa Plantation to repair the section between OIaa and Mountain View in order to haul cane. Detours are being laid out by the contractor prior to initiation of work under contract to reconstruct this section which is in worse condition than was reported last month and seriously discourages travel to and from the park.

Concessioners

The Haleakala Mountain Lodge remained closed due to labor difficulties and lack of demand for accommodations as has been reported by separate memorandum. This concession cannot be justified in its present location on a year long basis.

Cooperative Government Agencies

A large supply of hay, oats and other horse feed was received from Kilauea Military Camp as a result of their elimination of horses from the recreation program; 9 of their better horses were acquired by the park last month and the remainder were sold or destroyed. Eight riding saddles and bridles were also acquired.

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Interpretive Service

Kilauea Military Camp provides the majority of visitors attending interpretive activities. Park Rangers Bender and Orr, and Chief Ranger Hjort assisted the Park Naturalist by giving illustrated talks and conducting field trips during his days off or while he was otherwise engaged.

Attendance at scheduled activities was light, with eight field trips averaging approximately 36 visitors, and 33 talks with an average attendance of 23.

Museum Activities

Arrangements were made with the Directors of Hui-C-Pele to hold the annual meeting on January 18 in order that Messrs. Burns and Yeager may attend upon their arrival in Honolulu and present ideas on how the Hui's reserve of more than \$7,000 may be put to best use in assisting with developing a park museum.

Research and Observation

Volcanologist Finch reported no visible activity of volcanoes during 1948 and that tilt and earthquake data indicate a lack of any appreciable subterranean activity. It was also reported that 75 local earthquakes were recorded during the month, 72 of which were recorded at Mauna Loa and 61 at Kilauea, which were stated to have no volcanic significance.

Six hill robins were found dead at the summit of Haleakala. Cause of death is unknown.

Increase or Decrease in Travel

Heavy rains and cloudy weather discouraged travel to Haleakala but quick response to clear skies during the latter part of the month resulted in a noticeable increase in visitors to the crater; 652 visitors signed the register at the Observatory during the month. Through travel at Kilauea was normal but true park travel was noticeably light.

Important Visitors

Mr. and Mrs. Robert T. Grose, President of S. F. Advertising Club and well known traveler and lecturer.

Attorney and Mrs. Harold Lant and two children, of Bellingham, Wash. (Brother of Mrs. Oberhansley on 2-week Christmas visit)

Mrs. Dora M. Ihle, Training Officer of Department of Interior.
Attorney Eugene Beebe, President of Beebe, Cades & Beebe, Honolulu.
Mr. Emil Sady, Pacific Branch, Division of Territories, Interior Dept.
Mr. Orrin Long, Secretary of Territory.
Attorney and Mrs. Ernest Kai, Honolulu.
Judge Martin Pence, Hilo 3rd Circuit Court.
Mr. B. Hona, President Hilo Chamber of Commerce.

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Ranger Service

Rangers Bender and Orr assisted with interpretive service and activities and in conducting special parties about the park in addition to routine ranger duties. Bender also did considerable photographic work including dark room work, and Orr continued work on the trail sign program in connection with further orientation.

Three man days were devoted to telephone repair.

Police Protection

Two arrests were made for speeding in the park, one resulting in a fine of \$15, and one pending improbable recovery of the driver involved from a subsequent accident resulting from reckless driving outside the park while waiting a hearing before the Commissioner.

A stolen car was found abandoned in the park by Ranger Bender and turned over to the local police who had notified us to be on the lookout for it.

Ten drivers were cautioned about exceeding speed limits in the park.

Wildlife

Mr. Gordon McKenzie's special use permit to collect goats in the park through drives expired this month and Mr. McKenzie does not wish to have the permit renewed. The goat population has been reduced to the point where this is no longer profitable. The remaining goats have also become wary and other control measures will be necessary to keep their numbers down.

375 goats and 8 pigs were removed from the park or destroyed during the month. 17 of the goats listed above were killed at Haleakala.

Public Health

Routine inspection was made of the Volcano House bar and kitchen and only minor items needed attention and spot corrections were made. Water samples of all storage facilities were clear and the new tanks were well flushed with copious supply from frequent rainstorms. New redwood tanks require a period of breaking in before the water is tasteless, and our system is at present full to capacity and overflowing with fresh tasteless water.

Frank R. Oberhansley,
Superintendent.

cc: Regional Director (5)

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Hold for No Report - Under Review & v. Dept

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U S Geological Survey

Hawaiian Volcano Observatory

R H Finch Volcanologist

Jan 3, 1949

There was no visible activity at Hawaiian Volcanoes during 1948.

Tilt and earthquake data indicate a lack of any appreciable subterranean activity.

Seventyfive local earthquakes were recorded during December. Seventy-two of these shakes were recorded at Mauna Loa and 61 at Kilauea. A majority of the quakes originated at shallow foci on the northeast rift of Mauna Loa and have no special volcanic significance.

The seasonal change from easterly to westerly tilt occurred on Dec. 6 and there was a slight accumulation of westerly tilt during the month. Seasonal northerly tilt continued until Dec. 27 when normal southerly tilt set in. There was a slight accumulation of easterly tilt during 1948.



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Memorandum for the Supt.

The following is the narrative report of ranger activities for the month of Dec. 1948.

Weather conditions:

Maximum temperature-----68 Dec. 7
Minimum " *-----44 Dec. 26
Total precipitation-----18.13 inches
Clear days-----9
Partly cloudy days-----10
Cloudy days-----12
Prevailing winds-----N.E.

Mauna Loa and Mauna Kea were blanketed with snow throughout the month.

Investigations of new park areas or boundary changes

An inspection was made of the area to the north of the road between headquarters and the Hilo entrance by the Chief Ranger in order to find out the damage done by the fern gathering industry and learn the type of cover on this section of land. This will be covered in a separate report when the Supt. calls a meeting on this subject.

Concessioners

Ranger Bender made an inspection of the Volcano House kitchen and Bar. Only minor items needed correction, most of ~~which~~ these were done on the spot.

Cooperating governmental agencies

A large supply of hay, oats and other feed was received from ~~K~~ K. M. C. under Public Law 841. All has been hauled to the old C.C.C. Camp and stored in various buildings. Eight riding saddles were also acquired. Six were sent to Maui.

Interpretive service

Bender showed the eruption movies several times during the month, Orr showed them twice and the Chief Ranger showed them twice. Orr took three Army enlisted men around on patrol with him.

Orr is ~~is~~ rapidly becoming familiar with the park and is able to pinch hit in any of the naturalists regular features.

Research and observation

Since this month marks the end of the special use permit for Gordon MacKenzie some time was spent by the Chief Ranger in an attempt to learn more about the salting of goats with an eye to poisoning them. According to Mr. Bryan the local forester it does not make any difference as to what kind of salt is used except that rock salt (commonly called Hawaiian salt here) is easier to mix with the poison. He had never tried salting goats that were well fed and not overrunning the country looking for something to eat.

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Travel

Travel was about the same this month as last. Wet weather discouraged many people from coming in to the park.

Ranger Service

The fence on the Mauna Loa Strip was repaired ~~and~~ and checked for future repair.

Bender spent some time in photo work on the boundary study and in the dark room in connection with this and some work for Powers in connection with the Volcano Letter.

Orr took over the sign program and has gotten out several signs this month as well as becoming familiar with the system in use here.

About three days were spent on telephone repair, two by Bender and one by the Chief Ranger.

Police protection

A stolen car was found in the park and turned over to the local police after they had notified us of the fact ~~that~~ that it had turned up missing. Bender located it on the cut off road from the Hilo entrance to the rim road.

Hubbard made an arrest for reckless driving but before he could bring the case to court the driver became involved in an accident and was nearly killed so the case will have to wait until the man recovers.

Orr cautioned two drivers about going too fast. The chief Ranger cautioned eight for the same thing.

Bender made an arrest for speeding involving one Shignoi ~~Akahoshi~~ Akahoshi who forfeited fifteen dollars bail.

Building Fire protection

Besides routine inspections and daily warm ups the fire truck received minor repairs and installation of a manual choke this month. A fire hose drying rack was installed in the observatory basement this month.

Feral animal control

358 goats were killed ~~by the rangers~~ or removed from the park this month. 8 pigs were killed in the park this month.

The newly acquired shotguns were tried out on the Mauna Loa Strip this month and found to be very effective. Three goats were killed with one shot at close range on this drive.

Frank A. Hjort
Chief Ranger

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

January 5, 1949

MEMORANDUM for the Superintendent.

Subject: Foreman's Monthly Report on Activities of Maintenance
Division during month of December.

- 201.
1. Constructed and hung doors on Carpenter Shop.
 2. Completed repairing Lava Tube Shrine.
 3. Constructed and installed key lock door General Foreman's office.
 4. Painted and stained outside quarters #27-1, 27-2.
 5. Installed new window in pump house.
- 202.
1. Started overhauling of motor grader. Shortage of parts has delayed completion.
 2. Miscellaneous repair and service to all road equipment.
 3. Repaired diesel truck tractor motor.
- 204.
1. Patched pot holes utility area.
- 207.
1. Routine maintenance of ground around headquarter's building, quarters #27-1, 27-2. and public camp grounds.
- 212.
1. Routine pumping of water.
 2. Cleaned out and made new drainage ditches around new water tanks.
- 218.
1. Routine janitor services, public camp ground cleanup, and servicing of public rest rooms.

287.

1. Completely refinished inside quarters #27-1.
2. Completely refinished inside quarters #27-2 and constructed additional cupboard space.
3. Constructed headboard for punee, quarters #17.
4. Painted bedroom and hallway quarters #18.
5. Laid new floor tile in kitchen quarters #19.
6. Constructed ironing boards for quarters #8 and 22.

412.

1. Installed oil burning heaters in quarters #18 and 22.
2. Started rehabilitating new headquarters building.
3. Started construction of counter new information and telephone office.

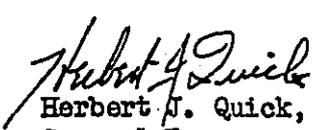
Miscellaneous

The undersigned made a trip to Maui in company of the Superintendent and Chief Ranger for the purpose of making an inspection of all buildings, utilities and roads and trails. Everything was found to be in satisfactory order.

One Staff Meeting was attended.

Attached Monthly Vehicle Mileage Report and Water Meter Reading.

Monthly Equipment and Project Reports from Maui have not been received at this writing.


Herbert J. Quick,
General Foreman.

Meter Readings of water sold to Concessioner

Date Dec. 3, 1948 TO Jan. 3, 1949

Meters	Begin	End	Total
#1	964,512	1,071,049	106,537
#2	470,157	470,157	---
#3	78,013	78,016	3
TOTAL GALLONS			<u>106,540</u>

Supt.

MONTH OF DECEMBER, 1948

MILEAGE, GASOLINE, AND OIL REPORT OF GOVERNMENT VEHICLES

VEHICLE NO.	METER READING		MILES
	START	END	
	(Kilauea Section)		
I-13026	6,727	7,218	491
I-13027	69,599	69,676	77
I-13030	65,866	66,150	284
I-13032	3,508	3,531	23
I-13035	2,475	2,805	330
I-13038	39,377	39,456	79
I-13042	57,218	57,609	391
I-13043	52,937	53,683	746
I-13044	57,121	57,211	90
I-13048	9,848	10,089	241
I-13049	21,390	22,600	1,210
I-13050	15,188	15,875	687
I-13051	57,430	57,430	---
I-13052	37,671	37,704	33
I-13053	70,061	70,062	1
I-13054	19,972	19,973	1
I-13056	1,247	1,272	25
I-13057	91,821	91,915	94
I-13063	3,817	3,925	108
I-13066	8,467	8,478	11
I-32360	62,051	62,236	185
I-32361	40,852	40,884	32
I-32362	33,977	34,121	144
			<hr/> 5,283

(Kilauea Section)

TRIPS TO HILO

VEHICLE NO.	TRIPS	MILES
I-13043	6	467
I-13048	1	67
I-13049	1	76
I-13050	5	402
	<hr/>	<hr/>
	13	1,012

EQUIPMENTS...HOURS WORKED

EQUIPMENT NO.	METER READING		HOURS
	START	END	
I-13058	6,010	6,010	---
I-13059	2,184	2,184	---
I-13061	---	---	---
I-13068	---	---	16
I-13046	---	---	3

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

December 31, 1948

Memorandum for the Superintendent. (Attn. Park General Foreman)

The following is the Haleakala Section Monthly Work Report for December, 1948.

The major part of Pszyk's time for the month was spent remodeling a new set of quarters, to be used by Kealoha and himself, making his present quarters available for Mc Call.

Three days were spent on hauling freight and supplies from the LST.

Major part of Kealoha's time was spent on the Haleakala Road patching the shoulders near the summit, removing rocks and using them to fill in bad shoulders. The continued bad weather and heavy frosts will make this necessary for some time to come.

A few hours was spent lowering the flag pole and repairing the rope and pulley.

Pszyk went on annual leave on the 12/23/48 and is due back 1/5/49.

The usual time was required for sanitation and one day was spent on changing the heater in the basement of cottage #26 as the old one finally gave up and sprung a leak in its water jacket.

James C. Lindsay
James C. Lindsay,
Acting District Ranger.



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HALEAKAIA SECTION

January 3, 1949

MEMORANDUM for the Superintendent.

The Haleakala Section Monthly Narrative Report for the Month of December, 1948 is respectively submitted.

Weather Conditions.

The weather for the past month has been very bad, with high winds and lots of rain and frost. There was a total of seven clear, seven partly cloudy and seventeen cloudy (overcast) days. On the 25th. the areas around the Observation Station and White Hill were well covered with ice. There were icicles over six inches long hanging from the eaves of the Observation Station and the power lines were four inches in diameter. The mountain cleared off for a short time in the afternoon and that caused many people to come up as they thought there was snow. It was quite a thrill for people here on the Island to see real ice that had been made by nature.

Maximum temperature-----65 degrees on the 7th., & 9th.
Minimum temperature-----35 degrees on the 25th.
Total precipitation-----16.22 inches
Clear days-----7
Partly cloudy days-----7
Cloudy days-----17

Special Activities.

The first of January A.B. Medeiros left this section of the Park to return to the Kilauea Section.

The undersigned arrived at the Haleakala Section of the Hawaii National Park on January 3rd. to assume temporary duties as Acting District Ranger, and due to the lack of quarters with-in the Park I am forced to commute a total of fifty miles a day at my own expense.

Laborer Joe Kealoha arrived at the Haleakala Section of the Park on January 1st. to help Labor Foreman Iszyk with the road and trail work.

Cliff McCall and M. Pszyk both spent a few days leave on the Island of Hawaii.

Inspections.

A three day inspection trip was made by Superintendent Oberhansley, Chief Ranger Frank Hjort and Maintenance Foreman Herb Quick on the first to the third of the month.

Maintenance.

The power line was put out of commission on the 3rd. when a large branch

fell on it. All three wires required to be re-stragghed, tied and put back on five poles. All the trees had to be cut and cleared away under the line before repair work could get under way. The work will be completed in another two days of work.

The hot water heater under Cottage #26 had to be replaced as the old one sprung a leak in its water jacket.

The radio transmitter units all went on the strike at once, on 13th, so thanks to a friend of mine, (George Tam of Makawao, Maui) we got them in working condition again.

On the 25th. water got into the generator down at the Lodge and that put it out of commission as well as the radios. I have tried, but cannot start the generator.

Poor old Birtha (mule) has required a great deal of maintenance in the form of attention since she ran a nail into the soal of her left front foot and got it badly infected. I beleive she is finally on the way to recovery as her leg is not as swollen as it has been.

Last but not least the Haleakala Road has received much attention for the removal of rocks and dirt, and to reshape the road shoulders.

Interpretive Service.

Mr McCall showed 35MM Kodochrome slides of the Haleakala Section to about 30 members of the Ladies Aid at Wailuku.

One reply to enquirries was made.

Informal talks were made to a total of 35 people visiting the Park.

Research and Observations.

A dead hen pheasant was found on the area infront of the Park garage, it was examined and seemed to have died naturally.

Six Hill Robins were found dead at the summit of Haleakala.

Goats were observed around the old rest house area on two different occasions.

Increase and Decrease in Travel.

Due to the heavy rains and cloudy weather the travel has decreased a great deal during the past month. It seems to be on the increase again as there has been more visitors the last few days of the month than any other period of the month.

Six hundred and fiftytwo visitors signed the register in the Observation Station during the month.

Ranger Service.

Ranger time has been spent on the following duties; patrol; shoeing goverment-owned livestock; cleaning area and Observation Station and outside toilets; cleaning roads and trails of trash and rocks; meeting LST; repair to power line; care of new horses; care of Birtha (mule); replacement of

heater in cottage #26 and contacting Park Visitors; blocking off the road to the Lodge; and repairing flag pole roap.

A total of thirteen mule days were spent in the Crater.

Controll of Exotic Animals.

Very little time was used on goat controll due to the bad weather and the demand for man power on other pressing jobs.

Joe Kealoha made one trip into the Crater for this purpose, on his own tims, He was accompanied by Tony Freitas, Henry Medeiros, and David Medeiros of Makawao, Maui.

A party of four was given a permit to pas through the Park with guns. They reported killing 5 goats.

A total of 12 goats were killed within the Park and 5 were reported d destroyed in the adjoining Territorial Forest Reserve by hunters that were permitted to pass through the Park with guns.

James C. Lindsay
James C. Lindsay
Acting District Ranger.



10-23
(May 1923)
6-7410

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

FILE NO.

SUPERINTENDENT'S NARRATIVE REPORT

NOVEMBER 1948

IMPORTANT

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ARNO B. CAMMERER,
Director.

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December 10, 1948.

Air Mail

MEMORANDUM for the Director.

Following is report of activities in Hawaii National Park for the month of November, 1948:

Weather Conditions

Although precipitation at headquarters was the heaviest on record since 1929, the weather was crisply pleasant part of the month. Major precipitation was concentrated in three storm periods. From November 11 Mauna Loa was snow-capped throughout the month.

	<u>Kilauea</u>	<u>Haleakala</u>
Maximum Temperature	75°	70°
Minimum Temperature	48°	39°
Total Precipitation	14.17"	10.21"

Special Activities

The Superintendent returned to duty in the Regional Office November 3 after a period of annual leave following the Conference at Grand Canyon. He departed from San Francisco via Navy transport November 5, accompanied by Mrs. Oberhansley, Miss Mary Gibbs, new Clerk-Stenographer, from the Regional Office, Mr. and Mrs. John R. Fox, new Chief Clerk, from Mount Rainier National Park, and Mr. and Mrs. James B. Orr, new Park Ranger, from Lava Beds National Monument. These transferees are a most welcome addition to the park staff and to the community. Since August 21 the Park has been without the services of a Chief Clerk. The program has been further handicapped due to a reduced ranger staff and the limited services of a partially disabled Clerk-Stenographer who was retired November 30.

Upon arrival at Pearl Harbor November 10 the group was pleasantly surprised by Honolulu friends and relatives, including Mr. E. B. Tillett, who greeted us with traditional Aloha and flower leis and provided the necessary transportation for the group while in the City.

Conferences were had in Honolulu with District Engineer Frank R. Carlson, of the Public Roads Administration, regarding decisions made in the Regional Office and at the Conference concerning the road program for the park, and with representatives of the Mutual Telephone Company regarding their plan to install a radio telephone relay station on Kole Kole Hill adjacent to Red Hill and just outside the boundary of Haleakala. The Superintendent returned to the park on the evening of November 11 and visited with Governor Stainback, Mr. James B. Davis, of the Department's Division of Territories, and Mr. Thomas Vance,

RECEIVED AS FOLLOWS

Director of Territorial Institutions, and arranged to have Mr. Moomaw take part of their group on an inspection of Kulani Prison the following day. It appears that local objection has little effect upon the Governor's intent to concentrate most of the prison population and development of the Territory at Kulani.

On November 19 a conference was attended in Hilo with officials of the Chamber of Commerce, Hawaii Visitors Bureau, and newspaper officials, to plan activities for Aloha Week. Assistance and material were also given to the managing editor of the local paper for illustrated articles and editorials on the park which were published in the local and Honolulu newspapers.

On November 26 Mr. William J. Rickard, who was a member of the Birdseye park boundary survey of 1912, called and gave an interesting account of their work and discoveries during this survey.

The entire afternoon of November 27 was devoted to showing Delegate Farrington about the park and inspecting the needs and accomplishments in the park.

November 29 and 30 District Engineer Frank R. Carlson and his assistant, Mr. LaGrone, were in the park to discuss road plans and secure material for reports and estimates.

On November 30 the Superintendent, Chief Ranger, and Park Foreman left Hilo via Navy L.S.T. to inspect and assist with the program at Haleakala. Six saddle horses acquired under Public Law 841 from Kilauea Military Camp were transported on the same boat for use in that section of the park. Other details to be handled included a speaking engagement before the Maui Rotary Club, additional ground work on the proposed new headquarters site, and clarifying the concessioner situation which will be reported upon when recommendations are submitted for renewal of Special Use Permit covering this operation.

Inspections

District Engineer Frank A. Carlson and Mr. LaGrone of the Honolulu PRA Office, on roads and trails November 29 and 30.

Delegate Joseph R. Farrington, November 26-28.

Investigations of New Park Areas or Boundary Changes

Field and map studies were made in preparation for submitting recommendations for previously discussed boundary revisions, with particular emphasis on the critically tight boundary adjacent to Kilauea Crater.

A rough survey was made of a new available headquarters site for Haleakala at the suggestion of Mr. Hill of the Regional Office. This site is directly south of the one previously considered. It is concealed from the road and is considered more desirable as to location and availability.

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Publicity

An excellent article on Hawaii National Park by Park Naturalist Hubbard was printed in the Christmas edition of Paradise of the Pacific, and several newspaper articles and editorials on the park appeared in local papers stressing the importance of adjusting park boundaries as authorized and planned development.

Maintenance

Due to unfavorable weather and dwindling funds, all but 4 of the roads and trails crews were furloughed on November 17. Most of the primary roads are in serious need of seal coating and it is planned to resume crusher operations and begin coating the crater rim road about February 1.

A new attractive entrance sign was installed at the Hilo entrance and 25 new directional and interpretive signs were made.

Concrete footings were placed under trailside interpretive displays and 4 sliding doors were constructed and installed to provide protection from the weather and security for the carpenter shop.

Final repairs to ravelled road edges, opening of drainage and pothole patching of all primary roads were completed, and secondary roads were resurfaced where necessary and regraded to a point where it is possible for the reduced crew to carry on the most essential maintenance of roads and repair all equipment during the period ending February 1 - when sealcoating operations will be resumed.

Approaches to the Park

The Hilo approach road between Olan and Mountain View is unsafe for speed in excess of 15 miles per hour, and local repair shops have had a thriving business installing new automobile springs. The contract for reconstruction of this section has finally been awarded and PRA officials advise that work should be in progress by January 1. J. M. Tanaka submitted the low bid of \$916,929.40 for this project.

Concessioners

The Volcano House managers are enthused over the plan for the first 10-room unit to be added to the hotel, which was prepared in the Regional Office.

Mr. R. von Tampsy has decided that on the basis of his experimental operation of the Haleakala Mountain Lodge this business offers nothing but loss during the winter months. He proposes to operate the Lodge from mid-May through September and to conduct horseback trips through the crater, as warranted, throughout the year.

Donations and Accessions

Nine excellent saddle horses, 8 saddles and bridles, and a large quantity of hay and grain were secured from Kilauea Military Camp under P.L. 841 when the Army decided to eliminate this stock. These animals will supplement our stock and facilitate goat control and other field work.

RECEIVED AS FOLLOWS

Interpretive Service

Reduced travel as a result of the shipping strike, poor roads and normal decline of military visitors at this season, have not resulted in a let-down in the interest and enthusiasm on the part of the visitors or the Park Naturalist and others who assist in carrying on this service. The Park Naturalist has prepared an interesting self-guide to Bird Park similar to the one which was suggested by Mr. Tobin in Sequoia several years ago, and put into successful operation last season in Lassen Volcanic National Park.

Official acceptance and recognition was made of a collection of Hawaiian artifacts and other museum material donated by the Reverend Albert Baker of Honolulu, who is the father of Mrs. Burton Loucks whose husband was formerly of the park staff and is now with the U.S.G.S. here.

Research and Observation

Mr. Paul Baldwin is continuing his research on Hawaiian birds in the area. All collecting is done outside the park.

Increase or Decrease in Travel

There was a 56% decrease in travel to the Haleakala section of the park as compared with October, due largely to adverse weather and, to a lesser degree, to the shipping strike. 517 visitors signed the register in the Observation Station on the crater rim. A notable decrease in pure park travel was also evident in the Kilauea section where travel estimates are based on sample counting days at the Hilo Entrance, most of which is through traffic and showed a slight increase.

Visitors

Governor Stainback
James B. Davis, Department of the Interior, Division of Territories
Senator Hugh Butler
Delegate Joseph R. Farrington, Honolulu, T. H.

Ranger Service

As mentioned previously, Ranger James B. Orr transferred to Hawaii from Lava Beds National Monument and is rapidly becoming oriented and adjusted in his new surroundings. The north boundary line was cleared in connection with boundary revision studies which it is hoped will result in saving the last of the Ohia-fern forested land in the Crater area. Ranger Bender gave 4 illustrated talks to visitors and assisted otherwise in showing important visitors about the park in addition to routine ranger duties.

Wildlife

A total of 458 goats, 13 pigs and 22 mongooses were either destroyed or removed from the park of which 130 goats, 4 pigs and 1 mongoose were destroyed in Haleakala Crater.

RECEIVED AS FOLLOWS

Building Fire Protection

The usual inspections were made for fire hazards in government buildings and at the hotel, and no serious defects are reported. The fire truck has undergone minor repairs and has been kept in good condition and operating order, ready to go at all times. Two Co₂ extinguishers were placed on the truck.

Public Health

Excellent cooperation was had from the Concessioner and his staff in correcting defects pointed out the previous month. A new easily cleanable floor was installed in the fish room of the Volcano House and the results of insect control by the Hilt's laboratories are excellent. No roaches nor flies were observed during the inspection.

Kilauea Military Camp

Lt. Col. Thomas G. Boardman relieved Lt. Col. Carl Thornberg as Commanding Officer at K.M.C. November 10. Several conferences were had with Col. Boardman on matters of mutual concern, including terms of the Camp lease, park regulations, etc. Col. Boardman is most cooperative, and he and his charming wife and two young daughters are a distinct asset to the community.

Frank R. Oberhansley,
Superintendent.

cc: Regional Director (5)



Two views along the northern boundary of the park adjacent to the Mamalahoa Highway, near Kilauea, illustrating two types of Ohia-fern forest.



The park boundary through headquarters is only a distance of from 200 ft. to less than 1/2 mile distant from the Mamalahoa Highway. 1700 acres of this forest unit located outside the park should be acquired at the earliest possible time. There is roughly only 1,000 acres of this forest type left within this section of the park.

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

December 3, 1948

MEMORANDUM FOR the Superintendent.

Subject: Narrative Report for November of Assistant to Superintendent
and Acting Resident Engineer Benjamin F. Moomaw, Jr.

General

The first two weeks of the month were rather quiet and work was light.

Superintendent Oberhansley returned to Honolulu on the 10th with the new personnel and their families via Navy Transport. The Oberhansleys and Foxes arrived in Hilo the 11th during the midst of what turned out to be an 11 inch rain at the airport. They were delayed enroute for more than an hour because of closed airport.

The Orrs and Miss Gibbs arrived Sunday (in sunshine) 14th. Since the arrival of the new personnel all older employees and their families have been busy helping them get settled and oriented.

Special Activities

Work was devoted to reappraisal of quarters during the first portion of the month in-order-to have this work in shape for the new chief clerk's arrival on 11th.

12th - The undersigned accompanied the Governor and his party on the semi-annual inspection of the Kulani Prison Project. While the trip was interesting and pleasant it only reconfirmed the undersigned's conviction of some years standing that this PET project of the Governor and many members of the Territorial Government has NO merit on its present site. The ruthless raping of virgin country alone is enough to justify its complete removal.

Inspections

29-30. Messers Carlson and LeGrove, Honolulu office PRA made the annual Road Maintenance Inspection of the Park.

Investigation of New Park Areas and Boundary Changes

Portions of the last ten days of the month were devoted to field and map studies, in preparation to submitting recommendations for previously discussed boundary revision.

Plans, Maps and Surveys

During slack periods throughout the month the Map and Plan file was kept current and operative. In going through the General Park files with Miss Gibbs a large number of blue prints were discovered in one of the drawers, while most of these were duplicates of plans on hand and catalogued. Many missing numbers were located, carded, and filed. Several working plans that had been missing since the arrival of Superintendent Oberhansley and the undersigned in June - July, 1946 were found also, and turned over to the General Foreman.

Approaches to the Park

Bids on 6.6 miles of Mamalahoa Highway between Oloo and Mountain View were opened during the month by the Territory of Hawaii. The low bid was \$917,000 and the contract will run for 460 working days. If normal weather conditions prevail during this contract Park residents can look forward to 30 or 36 months of bad detour conditions every time they make their weekly grocery and shopping trips to Hilo.

Cooperating Government Agencies

Working through the authorities at KMC arrangements were completed and 8 horses, a large quantity of feed, tack gear and a 25 KW Diesel-Electric generator were transferred to the Park.

Interpretative Service

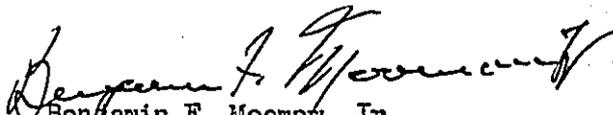
The undersigned averaged giving at least one volcano lecture per week for the Naturalist while he was off duty or otherwise engaged.

Visitors

- 10-14. Honorable Ingram Stainback, Governor of Hawaii
- " " Mr. Thomas Vance, Director of Territorial Institutions
- " " Mr. Colin Lennox, Chairman Board of Agriculture and Forestry
- " " Mr. James Davis, Director Division Territories USDI, Washington

Safety

- 9th. Attended monthly meeting KMC Safety Council.


Benjamin F. Moomaw, Jr.
Asst. to Superintendent.

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

December 8, 1948

MEMORANDUM to the Superintendent.

The report of the ranger activities for the month of November is respectfully submitted:

Weather Conditions

One heavy thunder storm was experienced to the south this month.

Snow fell on Mauna Loa and Mauna Kea on the 11th, to be added to several times during the month.

Maximum temperature	75 degrees on the 16th
Minimum temperature	46 degrees on the 15th
Total precipitation	14.17 inches
Clear days	none
Partly cloudy days	13
Cloudy days	17

Boundary Changes

The boundary line to the North of our strip was cut out this month all the way along, thus completing the job of locating and cutting this boundary in connection with our study of acquiring more land in this area.

Concessioners

Robert von Tempsky announced the closing of the Mountain Lodge during the latter part of the month. Later a proposition was worked out whereby he will operate on a seasonal basis only.

Donations and Accessions

Nine horses were procured from KMC under Public Law 841. Six of the horses were sent to Haleakala Section on the last day of the month. The remaining three will be used here to replace some of our older riding stock.

Interpretive Service

Bender gave four Mauna Loa 1942 Eruption movies with lecture.

Increase or Decrease in Travel

Travel figures were up this month slightly over October, perhaps due to the two holidays close to weekends.

Visitors

Bender escorted Miss Norton and Miss Stream, Park Service friends from Honolulu, around the area.

Ranger Service

All of the Mauna Loa telephone lines abandoned when field wire was layed last year, was salvaged; the poles were removed and the wire neatly wound up.

The salvaged wire is being used to run a metallic pair from park headquarters to the junction of the Mauna Loa line and the Kau patrol line. Upon completion, the Mauna Loa line, which is our most frequent source of trouble because of lightning storms and the seismograph tick impulse superimposed on it, will be separated from the Kau patrol line.

A metallic pair has been completed from KMC to the cable serving Uwekahuna. This will allow the Geological Survey to have a regular Hilo phone installed there.

1100 koa seeds were planted in cans for germination in the nursery this month.

The upper cross connecting fence on Mauna Loa was repaired and made goat-tight this month.

Three head of cattle were removed from Bird Park. The Keahou Ranch manager has agreed to fix the fence as soon as possible. Two head of Kapapala Ranch cattle were discovered near our large koa plot. This was reported to the Kapapala Ranch manager.

Ranger James B. Orr arrived this month with his wife Betty. Orr is rapidly becoming familiar with the park and surrounding area.

Ranger James Lindsay departed on the last of the month for the Haleakala Section. Almost everyone in the park pitched in and helped them pack in order that they could get aboard the LST on the last day of the month.

Building Fire Protection

The fire truck has undergone minor repairs. It has been warmed up regularly and given two or three good runs on sunny days. Two CO₂ fire extinguishers were installed on it.

Public Health

The Volcano House was inspected by Bender this month and covered in a separate report.

Feral Animal Control

Nine pigs, twenty mongooses and 328 goats were eliminated from the park this month.

Frank A. Hjort,
Chief Ranger.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

December 6, 1948

MEMORANDUM for the Superintendent.

Subject: General Foreman's Report on Activities during month of November.

- 101.
1. Assisted Storekeeper in moving tires and lockers to new warehouse addition.
- 104.
1. Assisted in the crating and hauling of Ranger Lindsay's furniture and personal effects to be shipped to Maui.
- 201.
1. Constructed and hung new doors on Carpenter Shop.
 2. Constructed lean to type structure on to existing machine shop to house blacksmith shop equipment.
 3. Placed new concrete footings under Lava Tube Shrine.
 4. Selected and hauled 2400 BF 2"x6" x 2" x 10" redwood to Hilo to be resawed.
 5. Completed refinishing Quarters #22.
- 202.
1. Routine crusher operation.
 2. Started patching holes and bringing road surface up to original cross section rim road.
 3. Patched pot holes Uwekahuna-Bird Park road.
 4. Completed construction of an erected new sign Hilo Entrance.
 5. Completed patching raveled edges Section 3-B Mamalahoa Highway.
 6. Cleaned and opened up all drainage ditches major roads.
- 204.
1. Hauled surfacing material and graded Hilina Pali truck trail.

- 207.
1. Cut grass in public picnic areas.
 2. Mowed lawns Quarters #2, 6, 8, 17, 27-1, 27-2.
 3. Mowed lawns Headquarter's building.
- 208.
1. Laid underground cable and removed overhead wires garage and carpenter shop area.
- 212.
1. Cleaned, repaired and flushed water lines at old high tanks residential area.
 2. Routine pumping of water.
 3. Repaired gutters maintenance division equipment shed.
- 217.
1. Routine servicing and repairing passenger carrying vehicles.
- 218.
1. Routine servicing of public campgrounds and janitor service.
- 287.
1. Cut and delivered wood to all quarters requiring same.
 2. Started painting interior quarters 27-1.
 3. Routine garbage disposal and fuel oil delivery.
 4. Repaired water closet quarters #13.
 5. Repaired short in electrical circuit quarters #23.
 6. Repaired water lines quarters #2.
- 301.
1. Crated and hauled Power's furniture and personal effects to Hilo.

Miscellaneous

Due to bad weather and the overexpending of funds in the first quarter the entire road and trails crew with the exception of four were laid off at the COB November 17, 1948. It is proposed to reemploy the crew about February 1, 1949.

The undersigned made a trip to Hilo on the 29th to pick up Messrs Carlson and Le Grone of the Public Roads Administration. On arrival in park an inspection was made of all roads for reporting purpose.

Miscellaneous (cont'd)

One Staff Meeting was attended.

Attached monthly vehicle mileage reports and water meter readings.

Herbert J. Quick,
General Foreman.

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Dept Reports

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

Sept.	_____
Asst. Sept.	_____
Park Naturalist	_____
Chief Clerk	_____
Chief Ranger	_____
Field Rangers	_____
Foreman	_____
December 6, 1948.	_____
Note _____ Initial _____ Return _____	
Action to be taken _____	

MEMORANDUM for the Superintendent
through the Acting District Ranger.

The following is a supplement to the Haleakala Section Monthly
Narrative Report for November, 1948.

Under "Increase or Decrease In Travel", five hundred and seventeen
park visitors signed the register in the Observation Station.

Respectively submitted,

Clifford S. McCall Jr.
Clifford S. Mc Call, Jr.,
Park Warden - USNPS.

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DEC 7 - 1948
HAWAII NATIONAL PARK

UNITED STATES
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 NATIONAL PARK SERVICE
 HAWAII NATIONAL PARK
 HAWAII
 HALEAKALA SECTION

Supt.
 Asst. Supt. *BPM*
 _____ Park Naturalist
 _____ Chief Clerk
 _____ Chief Ranger
 _____ Park Rangers
 _____ Foreman

 November 30, 1948.
 Note _____ Initial _____ Return _____
 Action to be taken _____

MEMORANDUM for the Superintendent.

The Haleakala Section Monthly Narrative Report for November, 1948 is respectively submitted,

Weather Conditions

The weather continues to be the most popular subject on Haleakala. And it also continues to be windy and wet; six clear days during October, and seven clear days during November. A thunder and lightning storm was experienced on the 16th, which caused many people to ask if there was snow on Haleakala. It was seen on the summits of Mauna Loa and Mauna Kea on the morning of the 14th.

Maximum temperatures ----- 70 degrees on the 5th.
 Minimum temperatures ----- 39 degrees on the 2nd, 11th, 25th, 28th, & 29th.
 Total precipitation ----- 10.21 inches.
 Clear days ----- 7.
 Partly cloudy days ----- 8.
 Cloudy days ----- 15.

Special Activities

Superintendent and Mrs. F. R. Oberhansley returned to Hawaii on November 11 from a Park Service Conference in Grand Canyon National Park. We are looking forward to seeing him in the near future.

Dr. H. A. Powers and his two children stopped by the ranger station on this date to pay a last visit before departing for Denver, Colorado on December 1, 1948. To Dr. Powers and family we bid, "Aloha and good luck!".

A surprise telephone call was received from Ranger Lindsay this past week upon his return to Maui from an extended vacation in the States. Mc Call brought him to the park radio-telephone that he might talk to the Chief Ranger, and then returned to Haiku, Maui with him and spent an enjoyable evening with his family and friends that visited to view 35 MM Kodachrome slides taken by Lindsay while on vacation.



Maintenance

Our telephone was discovered to be out of service on Saturday afternoon the 20th of this month. A quick check proved the trouble was not in the park but we were not able to report it until the following day when a visitor was asked to make the call for us. The Mutual Telephone Company made the necessary repairs in Makawao on Monday the 22nd and service was resumed.

The power line fuses were blown out on the 4th of the month at the Kula substation and were replaced on a routine trip to Wailuku.

The Haleakala Road has received much attention for the removal of rocks and dirt, and to reshape the road shoulders.

Concessioners

Mr. Robert G. von Tempsky announced this month that he does not desire to keep the Haleakala Mountain Lodge open through the winter months. He is now waiting to discuss the matter with Superintendent Oberhansley. This was covered by a separate report to your office.

Interpretive Service

With the closing of the Lodge our best source of public contact was lost. Four sunrise patrols and two late patrols to cover the sunset from the summit were made, contacting ninety four park visitors.

Research and Observations

Since the closing of the Haleakala Mountain Lodge forty five days ago, I have spent an average of three hours per day in the kitchen preparing meals, eating, and cleaning up. During this time, only two cars have stopped at the Lodge looking for meals, etc..

Increase or Decrease in Travel

With the West Coast shipping strike entering into the third month and continuous foul weather, travel has decreased 56 per cent under that of last month.

The number of park visitors that signed the register in the Observation Station during this month will be reported on a supplementary report. (5/7)

Public Relations

Lt. Col. Karl A. Thornburg, recent Commanding Officer of the Kilauea Military Camp on Hawaii was met on November 10 at the Kahului Harbor. Lt. Col. and Mrs. Thornburg accompanied by her parents, Mr. and Mrs. Thompson, were enroute to Honolulu via the Navy LST-859. They were driven to the summit of

Public Relations (Con't)

Haleakala and other scenic points of interest on Maui, returning to the LST at 1600. They appeared to have thoroughly enjoyed their first visit to the Valley Isle.

Visitors

Senator Butler, Chairman of the Territory and Lands Committee, visited Haleakala with a party of twelve.

Mr. Tom Johnston of New York City with the U. S. Camera magazine, and party, visited Haleakala for the sunrise. It was learned later by a radio broadcast that his was one of their highlights in the Islands. (They did have a beautiful sunrise).

Ranger Service

Ranger time has been spent on the following duties: contacting park visitors; patrol; removing rocks from Haleakala Road; goat control; inspecting and cleaning crater cabins; working on horse corral; shoeing government-owned livestock; repairing gasoline hand pump; checking telephone and power overhead lines; cleaning Observation Station and outside toilets; public relations; and repairing mule pack saddle.

Ranger Medeiros has received orders from the Chief Ranger to return to the Kilauea-Mauna Loa Section, effective December 1, 1948. Medeiros has been handicapped this month because of the injury to the little finger on his left hand with a bench grinder in September.

A total of thirty eight mule days were spent in the Crater by the Park.

Control of Exotic Animals

Medeiros has been able to take in two fairly large parties of men due to the lay-off of road crews by the County. The following men accompanied him on goat control duty: Fred Allencastro, Fred Ferreira, Tony Silva, Tony Costa, Ben Franco, Joe Jacintho, Charles Perreira, Salvador Santos, Manuel Costa, and Pablo. (names listed as turned in by Medeiros)

On Thursday, November 18, I made a foot patrol along the top of the south rim of the Crater. Starting from Red Hill on the west end I went to Haleakala Peak overlooking the Kaupo Gap, and then went down the side of the pali to the Kapalaoa cabin. During this walk I made the following observations: one set of fairly recent goat tracks showing one stray; fairly recent goat droppings in two different locations along the top; no signs of grazing; three goats far down on the slopes of the Nuu Section; one goat on the slopes of the Nakula Section; and three herds on the pali on the Crater side.

Control of Exotic Animals (Con't.)

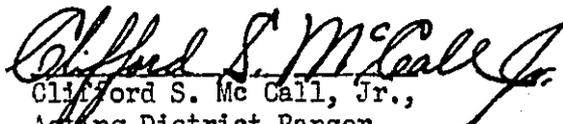
A total of one hundred and thirty seven goats, four pigs, and one mongoose were destroyed for the month.

Thirty six goats and one pig were destroyed in adjoining Territorial Forest Reserves by hunters that were permitted to pass through the Park with guns after securing a permit from this office.

Building Fire Protection

A CO₂ fire extinguisher was placed on the outside of our warehouse that is filled with straw for the livestock. Apparently since this building is so completely filled, it has always been overlooked when checking for fire protection. Another CO₂ extinguisher was moved to an empty CCC building, the old mess hall. A one quart carbon tetrachloride fire extinguisher was installed in the office at the Ranger Station since a kerosene heater is used in this building.

One quart carbon tetrachloride fire extinguishers have been installed in three of our government-owned vehicles. By changing around some of our extinguishers, all vehicles are now covered for fire protection.


Clifford S. McCall, Jr.,
Acting District Ranger...

10-23
(May 1929)
6-7410

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

FILE NO.

SUPERINTENDENT'S NARRATIVE REPORT

OCTOBER, 1948

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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NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

November 8, 1948.

Summary of October 1948 5-page Narrative Report for
Hawaii National Park

Weather Conditions, p.1 - Maximum and minimum temperatures at Kilauea headquarters 75° and 51°. At Haleakala ranger station 70° and 37°. Total rainfall at Kilauea 7.14" and at Haleakala 3.38".

General, p. 1 - The Pacific Maritime strike being critically felt in the islands, with food prices soaring and supplies not available. Travel much affected and hotels throughout the islands running away below normal.

Investigations of New Areas, p.1 - Ground studies and conferences held regarding revision of north boundary; no recommendations made as staff members wish to go over the subject with the superintendent when he returns.

Status of Private Lands, p.2 - Commission appointed by the Governor has begun reappraising Kalapana Extension lands; also check made of the boundary descriptions contained in Congressional Act authorizing this extension.

Approaches to the Park, p.2 - Tentative schedules call for opening of bids for reconstruction of Mamalahoe Highway between Olaa and Mountain View on November 30.

Concessioners, p.2 - Volcano House reports business dropped 80% account west coast strike. Haleakala Mountain Lodge was obliged to close down business Oct. 16 account its operating help walked out.

Cooperating Government Agencies, p.2 - Lt. Colonel Karl S. Thornburg, G. O. Kilauea Military Camp gets orders to transfer to Fort Shafter Nov. 9. Park staff joined KMO officers club in an aloha party for him and Mrs. Thornburg.

Research and Observation, p.3 - Volcanoes exceptionally quiet.

Interpretation, p. 3 - Royal Canadian Navy spent much of the month in the islands and its officers and men visited the park and were given special guided tours.

Travel, p.5 - Total travel to Kilauea was 28,308, and to Haleakala 3,202.

Control of Exotic Animals, p.4 - 63 goats removed from Kilauea and 28 pigs; at Haleakala 85 goats destroyed in a drive.

Ranger Service, p.4 - Patrol trip made to summit of Mauna Loa to install a field set radio in summit rest house. Usual routine, with one fire drill.

Maintenance, p.4 - Road patching continued on Mamalahoe highway; routine shop operations as well as crusher operation and repairs; excavated for blacksmith shop; a good deal of work done on dwellings in preparation for the new incoming employees.

Visitors, p.5 - As listed on that page.

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

November 8, 1948.

MEMORANDUM for the Director.

Following is report of activities in Hawaii National Park for the month of October, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 75° and 51°. At Haleakala ranger station these temperatures were 70° and 37°. Total rainfall at Kilauea 7.14" and at Haleakala 3.38".

General

The Pacific Maritime strike is beginning to be felt critically by Island residents. It has now entered the third month and staple supplies are becoming scarce or not available; resultant prices are as follows in Hilo: Butter, \$1.55 lb; eggs, large \$1.25 doz., potatoes 16¢ lb - 17¢ lb.; beef up 20% - 30% over July-August prices, now averaging about \$1.00 lb. Some supplies are beginning to filter in from Gulf, Canadian and New Zealand ports but only in small quantities. One barge load of rice has arrived in Honolulu but since this is one of the staple foods it did not go very far. So far no one has gone hungry, although many people have had to vary their usual diet somewhat - all have felt the impact on the pocket-book.

Travel has been greatly affected. Mr. "Nick" Lycurgus of the Volcano House reports that over-all hotel business from tourists has dropped 80%, and that his business is now running about 40% below normal.

Special Activities

The Acting Superintendent was in the park throughout the month with the exception of the weekend of the 9th-10th which the Noonan and Quick families spent on the Kona coast.

Investigations of New Areas

Several ground studies and conferences were held with the ranger force and Naturalist during the first part of the month in regard to revision of the North Boundary. Ideas have jelled fairly well in regard to what is desired but no recommendations have been made as all staff members concerned desire to go over this with Superintendent Oberhansley on his return.

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Status of Private Lands

The Commission appointed by the Governor has spent some time recently reappraising the lands of the Kalapana Extension; the Ainshou Ranch lands of the Bishop Estate were entered on the 22nd, much to the chagrin of the leaseholder, Mr. Herbert Shipman.

Former Chief Justice of Hawaii, the Honorable James Coko, trustee of the Campbell Estate and the Estate Attorney, Mr. Henshaw, of Honolulu, were visitors to headquarters on the 27th to check the boundary descriptions contained in the Congressional Act authorizing the Kalapana Extension. They desired this information in order to be able to intelligently negotiate with the Territory in the Kalapana Land Acquisition program.

Approaches to the Park

The Mamalahoe highway from Olan to Mountain View is currently in the worst condition ever observed by the undersigned during his eleven and a half years of duty in this park. Tentative schedules now call for opening of bids for reconstruction of this road on November 30.

10-168
4-7

Concessioners

The shipping strike has affected all hotel business in the Territory as reported under "General" above. In addition to this, the Haleakala Mountain Lodge has had labor trouble since the 16th when the operating help, consisting of two couples, walked out. It was first reported that the cause was excessive hours required on the job. Later as reported by our Acting District Ranger over the radio the grievance seems to be the schedule worked out by Mr. von Tempky in order to meet the new labor regulations (effective January 1, 1949) which did not conform to the wishes of those employees. They want to work the long hours together and collect over-time. Separate written report covering this condition has not been received from the Acting District Ranger of month's end.

Cooperating Government Agencies

Lt. Colonel Karl S. Thornburg, Commanding Officer KMO since March 16, has received orders transferring him to USARPAC Headquarters, "Pineapple Pentagon", Fort Shafter, T. H., effective November 9. He is being relieved by Lt. Colonel Thomas G. Boardman, now present at KMO. After meeting Colonel Boardman, we believe that the past splendid cooperation between the two agencies will continue.

Saturday, October 30, the park staff joined the KMO officers club in a most delightful and neighborly aloha party given for Colonel and Mrs. Thornburg, their daughter Marilyn and Mrs. Thornburg's parents. The park group presented orchid corsages to the ladies and leis to the gentlemen.

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Cooperating Non-Government Agencies

Mr. Charles Frazier, president of the Hui-O-Polo, accompanied by Mrs. Frazier and Mr. and Mrs. Harvey Lyon of Oakland, California, were in the park from the 19th to 21st. Mr. Frazier, with the Acting Superintendent and Naturalist Hubbard, went over the museum room and entrance lobby of the Volcano Observatory very thoroughly in order to acquaint Mr. Frazier with our plans and needs, so that Hui-O-Polo may more adequately understand the ultimate utilization of the funds that they donate for museum purposes. Mr. Frazier was very pleased with our plans and available space and left the park more enthusiastic than ever before.

Research and Observation

The month of October was very quiet. Nearly all of the weak earthquake activity centered on the northeast rift zone of Mauna Loa. Of the 19 local earthquakes recorded by the Observatory during the month, 17 were recorded at the Mauna Loa seismograph and 7 at Kilauea. One very feeble quake on October 30 was recorded only at the Hilo station. None of the earthquakes was strong enough to be felt. One earthquake of very distant origin was recorded at Kilauea on October 5.

North-northeasterly tilting of the ground surface continued at a rate about normal for this time of the year.

Moderate amounts of sulphurous fume were observed in the summit crater of Mauna Loa on October 5 and 6. This fuming is normal and is reported from time to time between eruptions.

Interpretation

The Royal Canadian Navy spent much of the month in the islands. Five groups of officers and men visited the park and were taken on guided tours to the main points of interest and shown the eruption movies.

A total of approximately 630 visitors attended the daily showing of the eruption movies. The Acting District Ranger at Haleakala gave a total of 13 talks to approximately 790 guests at the Haleakala Mountain Lodge and to visitors at the summit for the sunrise. The usual weekly Information and Education session at KMC was held when the aims and policies of the National Park Service were discussed and some of the interesting facts concerning Hawaii National Park mentioned.

Much appreciated assistance was received from the Acting Superintendent and from the ranger division, who filled in when programs overlapped or when it was necessary for the Park Naturalist to be absent from the park.

Museum Activities and Exhibits

Approximately one day was spent during the month in the preparation of the temporary exhibit for the Footprints area. Pressure of other activities made it impossible to devote more time to exhibit preparation.

RECEIVED AS FOLLOWS

Police Protection

One arrest for speeding in park headquarters area was made and the offender directed to appear before the U. S. Commissioner in Hilo. The defendant appeared and posted \$15 bail, which he forfeited.

Forest Fire Protection

With the setting in of heavy rains toward the end of the month, the fire hazard in the grasslands was relieved.

Building Fire Protection

All permanent employees in the park, with exception of the General Foreman, Acting Superintendent and Mechanic, were drilled and instructed in the use of the fire truck. The men were divided into groups of two and actually went through all steps of starting, driving, connecting to fire hydrant, etc., pumping, connecting hose and handling nozzle under pressure. Cooperation was 100% in all cases.

Control of Exotic Animals

At Kilauea section 63 goats were removed or destroyed, together with 28 pigs and 10 mongooses. At Haleakala 85 goats were destroyed through a goat drive.

Ranger Service

With the aid of KMC, about 1200 koa seeds were gathered for future use in planting. Some 255 koa seedlings were planted at KMC this month.

A patrol trip was made to the summit of Mauna Loa where a field set radio was left all ready for operation in the summit rest house. The Chief Ranger attended the planning conference at KMC. Approximately 1½ days were spent on telephone maintenance on the lines to the Lava Tube and Mauna Loa. All phones were working in the park throughout the month including the one to Puu Ulaula at 10,000 ft. on Mauna Loa. Twelve head of cattle were removed from Bird Park.

Maintenance

Routine shop operations and servicing of all park equipment took up considerable time, as well as routine crusher operation and repairs. Excavated for blacksmith shop; moved building from CCC Camp and installed it on rear of warehouse. Completed patching raveled edges and dressing shoulders section 3-C Mamalahoa highway. Tightened bands on 100,000 gal. water storage tanks; completed installing heating system in superintendent's quarters; painted and reconditioned a number of quarters to be occupied by new incoming employees. Routine pumping of water from park reservoir and CCC Camp; janitor work and garbage disposal carried on, as well as roadside cleanup.

RECEIVED AS FOLLOWS

Travel

Total travel for October to Kilauea section was 28,308, and to Haleakala 3,202.

Visitors

Capt. J. C. Hibbard, RCN, HMCS Ontario
Commander J. S. Dalison, RCN, Royal Navy Liaison Officer
LCDR John A. Charles, RCN, HMCS Crescent
Major R. H. Tye, Canadian Scottish Regiment, HMCS Ontario
Rev. Lea Gillard, Command Chaplain, HMCS Ontario
LCDR C. Anthony Law, RCN, HMCS Antigonish
Mr. and Mrs. Charles Frazier, President Hui-O-Pele Society, Honolulu
Miss Bertha Herrmann, of Hawaii Tourist Bureau, Honolulu
Miss Mary C. Walsh, of C.A.A., Honolulu, formerly with NPS

Benjamin F. Moenaw, Jr.

Benjamin F. Moenaw, Jr.,
Acting Superintendent.

RECEIVED AS FOLLOWS

HAWAIIAN VOLCANO OBSERVATORY

U. S. GEOLOGICAL SURVEY

PRESS RELEASE

Nov. 2, 1948

The month of October was very quiet. Nearly all of the weak earthquake activity centered on the northeast rift zone of Mauna Loa. Of the 19 local earthquakes recorded by the Observatory during the month, 17 were recorded at the Mauna Loa seismograph and 7 at Kilauea. One very feeble quake, on October 30, was recorded only at the Hilo station. None of the earthquakes were strong enough to be felt. One earthquake of very distant origin was recorded at Kilauea on October 5.

North-northeasterly tilting of the ground surface continued at a rate about normal for this time of the year.

Moderate amounts of ^{sulphurous} ~~sulfurous~~ fume were observed in the summit crater of Mauna Loa on October 5 and 6. This fuming is normal, and is reported from time to time between eruptions.

G. A. Macdonald
Geologist

Extra

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

November 3, 1948

Subject: Monthly Narrative Report of Acting Superintendent Benjamin F. Moomaw, Jr., for October, 1948.

General

The Pacific Maritime Strike is beginning to be felt critically by Island residents. It has now entered the third month and staple supplies are becoming scarce or not available, resultant prices are as follows in Hilo: Butter, \$1.55 lb, eggs, large \$1.25 doz., potatoes \$0.16 lb., rice \$0.17 to 0.29 lb., celery \$.80 - 1.20 bunch, oranges local \$0.10 - 0.17 lb., beef up 20% - 30% over July-August prices, now averaging about \$1.00 lb. Some supplies are beginning to filter in from Gulf, Canadian and New Zealand ports but only in small quantities. One barge load of rice has arrived in Honolulu, but since this is one of the staple foods it did not go very far. So far no one has gone hungry, although many people have had to vary their usual diet somewhat - all have felt the impact on the pocket book.

Travel has been greatly affected. Mr. "Nick" Lycurgus of the Volcano House reports that over-all Hotel business, from tourists has dropped 80%, and that his business is now running about 40% below normal.

Special Activities

The Acting Superintendent was in the Park throughout the month with the exception of the week-end of the 9th-10th when the Moomaw and Quick families spent this period on the Kona Coast.

Investigations of New Areas

Several ground studies and conferences were held with the Ranger force, and Naturalist during the first part of the month in regard to revision of the North Boundary. Ideas have jelled fairly well in regard to what is desired but no recommendations have been made, as all staff members concerned desire to go over this with Superintendent Oberhansley on his return.

Status of Private Lands

The Commission appointed by the Governor has spent some time recently reappraising the lands of the Kalapana Extension, the Ainahou Ranch lands of the Bishop Estate were entered on the 22nd much to the chagrin of the Lease Holder Mr. Herbert Shipman.

Status of Private Lands (Cont'd)

Former Chief Justice of Hawaii the Honorable James Coke, trustee of the Campbell Estate and the Estate Attorney Mr. Henshaw of Honolulu were visitors to Headquarters on the 27th to check the boundary descriptions contained in the Congressional Act authorizing the Kalapana Extension. They desired this information in order to be able to intelligently negotiate with the Territory in the Kalapana Land Acquisition program.

Approaches to the Park

The Mamalahoea Highway from Oloa to Mountain View is currently in the WORST condition ever observed by the undersigned, during his eleven and a half years of duty in this Park.

Tentative schedules now call for opening of Bids for reconstruction of this road on November 30th.

Concessioners

The shipping strike has affected all Hotel business in the Territory as reported under "General" above. In addition to this the Haleakala Mountain Lodge has had labor trouble since the 16th when the operating help, consisting of two couples walked out. It was first reported that the cause was excessive hours required on the job. Later as reported by the Acting District Ranger over the radio the grievance seems to be the schedule worked out by Mr. von Tempsky, in order to meet the new labor regulations, (effective January 1, 1949) did not conform to the wishes of these couples. They want to work the long hours together and collect over-time. The separate written report covering this condition has not been received from the Acting District Ranger of months end.

Cooperating Government Agencies

Lt. Colonel Karl S. Thornburg, Commanding Officer KMC since March 16th has received orders transferring him to USARPAC Headquarters "Pineapple Pentagon" Fort Shafter, T. H. effective November 9. He is being relieved by Lt. Colonel Thomas G. Boardman now present at KMC. After meeting Colonel Boardman we believe that the past splendid cooperation between the two agencies will continue.

Saturday, October 30 the Park Staff joined the KMC officers club in a most delightful and neighborly Aloha Party given for Colonel and Mrs. Thornburg, their daughter Marilyn and Mrs. Thornburg's parents, the park group presented orchid corsages to the ladies and leis to the gentlemen.

Cooperating Non-Government Agencies

Mr. Charles Frazier, President of the Hui-O-Pele, accompanied by Mrs. Frazier, and Mr. and Mrs. Harvey Lyon of Oakland, California were in the Park from 19-21st.

Mr. Frazier with the Acting Superintendent and Naturalist Hubbard went over the Museum Room and entrance lobby of the Volcano Observatory very thoroughly in order to acquaint Mr. Frazier with our plans and needs, so that the Hui can more adequately understand the ultimate utilization of the funds that they donate for Museum purposes.

Mr. Frazier was very pleased with our plans and available space and left the Park more enthused than ever before.

Visitors

U. S. Geological Survey Party - get names and titles from Hubbard.

13th - Mr. Max Carson, U.S.G.S. Honolulu

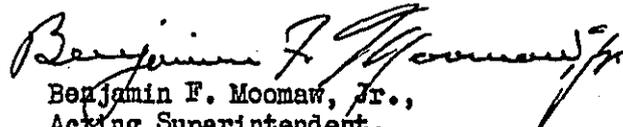
19th - Miss Mary Walsh, former NPS employee at Shasta Lake.

19-21st - Mr. & Mrs. Charles Frazier, President Hui-O-Pele, Honolulu.
Mr. & Mrs. Harvey B. Lyon, Oakland, California, former
President of Rotary.

22nd- Miss Bertha Herrman, Hilo Representative of Hawaii Visitors
Bureau.

19-22nd - Mr. & Mrs. Haward Baugh, PRA, Honolulu.

27th - Judge James Coke, retired Chief Justice, Hawaii Supreme Court.


Benjamin F. Moomaw, Jr.,
Acting Superintendent.

70

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

November 9, 1948

MEMORANDUM for Acting Superintendent.

Report of ranger activities for month of October, 1948.

Weather Conditions

The weather here this month was dry for the most part with a small flurry of rain on the last three days. One thunderstorm was observed to the S. W. on the 15th.

Maximum temperature	75 degrees on the 15th
Minimum temperature	51 degrees on the 12th
Total precipitation	7.14 inches
Clear days	12
Partly cloudy days	15
Cloudy days	4

Status of Private Lands

A Board of Appraisers were in the area during the month for the purpose of appraising private lands within or adjacent to the park.

Increase or Decrease in Travel

Travel was off somewhat this month probably due in part to the fact there were no holidays.

Visitors

Miss Bertha Herrmann of Hawaii Visitors Bureau was conducted around by Bender.

Sidney Clark, travelog writer was shown around by the Chief Ranger.

Ranger Service

With the aid of KMC about 1200 koa seeds were gathered for future use in planting. 255 koa seedlings were planted at KMC this month.

A patrol trip was made to the summit of Mauna Loa where a field set radio was left all ready for operation in the summit rest house.

Ranger Service (cont'd)

The fence between the park and Keahou Ranch land on our northeast was checked and repaired where necessary to make it goat tight.

Bender spent 4 hours as a member of the board of survey.

The Chief Ranger attended the planning conference at KMC.

Approximately one and one half days were spent on telephone maintenance on the lines to Lava Tube and Mauna Loa. All phones were working in the park throughout the month including the one to Puu Ulaula at 10,000 ft. on Mauna Loa.

Twelve head of cattle were removed from Bird Park.

Police Protection

One case involving the upsetting of a machine in the carpenter shop and breaking some of the parts was investigated. No clues as to the guilty party were found. The carpenter shop will have to be locked after working hours as approved by the Superintendent.

The breaking of the lock on the cable across the rock crusher road was also investigated. Apparently someone was looking for gasoline as there was much evidence of pushing a vehicle into the crusher area.

At the request of the General Foreman an investigation was made of a young man driving in the park without a Territorial driver's license. It turned out that the boy had a licensed driver with him as required by law.

One arrest was made by Hubbard which resulted in a \$15.00 forfeiture of bail paid directly to Commissioner Irwin after the Commissioner had failed to keep an appointment for the hearing.

Feral Animal Control

Sixty-three goats were killed or removed during the month. 28 pigs were also destroyed or removed throughout the month. 10 mongooses were killed.

Forest Fire Protection

The wet ending of this month relieved the fire hazard in the grasslands. Also see next item.

Building Fire Protection

All permanent employees in the park with the exception of the General Foreman, Acting Superintendent and Mechanic who was on leave were drilled and instructed in the use of the fire truck. The men were divided into groups of two and actually went through all steps of starting, driving, connecting to fire hydrant etc, pumping, connecting hose and handling nozzle under pressure. Cooperation was 100% in all cases.

Public Health

Bander inspected the Volcano House and was pleased to report everything in order. Cooperation again 100%.

Frank A. Hjort

Frank A. Hjort,
Chief Ranger.

Very good report
20

15804

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



MEMORANDUM for the Acting Superintendent.

The Haleakala Section Monthly Narrative Report for October, 1948 is respectively submitted.

Weather Conditions.

For the better part of this month we have been engulfed by the clouds and have had strong northeasterly winds and rains. An overcast sky has prevailed over a large portion of the Island of Maui.

Being at Mr. Robert von Tempsky's home in Kula for dinner this past week he called my attention to the howl of the wind that could be heard while in his yard. He stated this wind was approximately six miles away and that when he heard it like this he knew there was rough weather on Haleakala. Please see picture showing the effect of wind on the growth of trees in the Park.

Maximum temperature ----- 70 degrees on the 8th.
Minimum temperature ----- 37 degrees on the 9th.
Total precipitation ----- 3.38 inches.
Clear days ----- 6.
Partly cloudy days ----- 12.
Cloudy days ----- 13.

Special Activities.

The Army electric power line that now serves this section of the Park and the Haleakala Mountain Lodge was inspected by Mr. Edward Chun from Headquarters, USARPAC, Office of the Engineer, R & U Division, APO 958. It was also inspected by the Engineer and Superintendent of Maui Electric Company upon the request of Mr. Chun. These inspections were covered by a separate report to the Superintendent.

As a result of the above inspections, it is interesting to note the total power consumption for this section of the Park to three houses, the office, and the Utility Area cost only five to seven dollars per month plus the seven and one half dollars charged for transformer loss that is pro-rated with the Lodge.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

HAWAII

HALEAKALA SECTION

November 2, 1948.

Maintenance.

Numerous small jobs have been done in spite of the bad weather. Repairs were made to the office door; Holua water tank top was repaired and a much needed trap door was built; a gasoline pump was removed from the Lodge area; routine service and maintenance jobs on government-owned vehicles were performed; the usual amount of time was required for sanitation; all glasses in one of the utility garage windows were replaced and the frame was reinforced; a small amount of work was done on the Halemau-u Trail, and the usual removal of rocks from the Haleakala Road.

Cottage #26 received the most attention when the weather permitted. The exterior walls have been stained; the window frames, front porch, and the inside of the basement windows and door have been painted; and another attempt has been made to repair the leaking roof and gutters. The adjoining water tank and the garage walls have also been stained. We are now ready to paint the garage and cottage roof to complete the job. This will be done when the paint is received from Honolulu. An air-draft regulator was installed in the heater pipe chimney in the basement.

Radio-telephone communication was established with the Chief Ranger from Haleakala to the Puu Ulaula Rest House at 10,035 feet on the slopes of Mauna Loa. Chief Ranger Hjort was using a portable field set and was received by KNKO2 loud and clear.

Concessioners.

The Haleakala Mountain Lodge has practically been closed since the kitchen and dining room help walked out on the sixteenth of this month, therefore the receipts cannot be compared with that of last year. One trip was made into the Crater since the "work stoppage".

Cooperating Governmental Agencies.

The CAA radio technician on Maui has checked-out our two-way radio sets on two occasions, and has offered his services whenever needed in the future. This will be a great help to us.

Interpretive Service.

Fifty four guests of the Haleakala Mountain Lodge were shown 35 MM Kodochrome slides of this section of the Park. Six sunrise patrols were made and informal talks were held with as many of the seven hundred and thirty six visitors as possible. Large crowds were up for the sunrise on the week-end of the Maui County Fair. Please see picture.

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

HALEAKALA SECTION

November 2, 1948.

Research and Observation.

The pheasant population appears to have increased by a good percentage. Many remarks on this subject have been heard from local visitors. We assume the heavy vegetation on Haleakala this year, mentioned several months ago, has partly accounted for this increase.

A ladies purse was found by Mc Call and returned to the owner on the following day.

Increase or Decrease in Travel.

Though the shipping strike has entered into the sixty first day plus many days of general bad weather travel has increased 38 percent over that of last month, presumably due to the settlement of the telephone strike and the Maui County Fair. The latter always brings many visitors to this Island.

One thousand and fourteen visitors signed the register in the Observation Station.

Ranger Service.

Ranger time has been spent on the following duties: patrol; contacting Park visitors; goat control; inspecting and cleaning Crater cabins; shoeing government-owned livestock; cleaning area and Observation Station and outside toilets; working on new horse corral gate; cleaning roads and trails of trash and rocks; meeting U. S. Coast Guard cutter to take delivery of radio sent to us from Hilo; meeting U. S. Navy's LST 857 to take delivery of a horse sent to us from Hilo; and general shop work.

There was a total of fifty seven mule days spent in the Crater; twenty four for the Lodge, and thirty three for the Park.

Control of Exotic Animals.

More time was used on our goat annihilation program. Medeiros was able to make one trip into the Crater for this work. He was accompanied by Joe Marciel and Edwin Freitas of Makawao, Maui, and Fred Ferreira of Kokomo, Maui.

A goat drive was held over Hanakauhi Mountain on October 24 and eighty five goats were destroyed under adverse weather conditions. This drive was covered by a separate report to your office.

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

HALEAKALA SECTION

November 2, 1948.

Control of Exotic Animals. (Con't)

A total of three pigs and one hundred and thirty four goats were destroyed for the month.

Fifty goats were destroyed in adjoining Territorial Forest Reserves by hunters that were permitted to pass through the Park with guns after securing a permit from this office.

Building Fire Protection.

The monthly building fire hazzard inspection of the Haleakala Mountain Lodge was made and conditions were found to be the same as reported in the past.

We have been advised one quart carbon tetrachloride fire extinguishers cannot be purchased at this time for use in our government-owned vehicles.

Public Health.

The water system for the Haleakala Mountain Lodge and the Park has been treated with chlorine compound.

Clifford S. McCall, Jr.
Clifford S. Mc Call, Jr.,
Acting District Ranger..

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HALEAKALA SECTION

November 2, 1948.

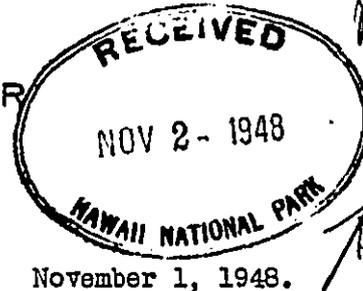


The effect of the everlasting wind.



With this parking arrangement all visitors departed without confusion or delay.

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



MEMORANDUM for the Acting Superintendent. (Attn: Park General Foreman)

The following is the Haleakala Section Monthly Work Report for October, 1948.

One day was required to take down an electric gasoline pump and crate it for shipment to Kilauea.

The usual amount of time was used for sanitation. Routine service and maintenance jobs on government-owned vehicles were performed.

The water tank top at Holua cabin in the Crater has been repaired and completely covered with paper. A trap door was built in the top to facilitate inspections for condition of water, treating water, etc..

The Haleakala Mountain Lodge's water system has been treated with chlorine compound as a safety precaution for the Service. And the Park's system has been treated again.

Some washing has occurred on the Leleiwi Cliff portion of the Halemau-u Trail with the 3.38 inches of precipitation during October. Attention was given to these washes to help prevent further damage. Routine work to remove rocks from the Haleakala Road has been done throughout the month.

Major attention has been given to the exterior work needed on cottage #26 and it's garage. All exterior walls of the cottage and garage have been stained; all outside window frames; the basement window frames and door; and the front porch have been painted. Leaking gutters and the roof have been repaired. We are now ready to paint the cottage and garage roof to complete the job. The adjoining water tank was also stained. An air-draft regulator was installed in the chimney pipe for the heater in the basement. This may lessen the fuel consumption, but it was installed to make it possible for the heater to start automatically during high winds.

All glasses were replaced in one utility garage window and the frame was reenforced. The office door was repaired to open and close freely, and the base-board was replaced.

Respectively submitted,

Clifford S. McCall, Jr.
Clifford S. Mc Call, Jr.
Acting District Ranger...

10-23
(May 1920)
6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Hawaii Nat'l NATIONAL PARK

FILE NO.

SUPERINTENDENT'S NARRATIVE REPORT

SEPTEMBER, 1948

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

October 12, 1948.

Summary of September 1948 6-page Narrative Report for
Hawaii National Park

Weather Conditions, p.1- Maximum and minimum temperatures at Kilauea headquarters 78° and 50°. At Haleakala ranger station 69° and 40°. Total rainfall at Kilauea 3.59" and at Haleakala 3.35".

Special Activities of Superintendent, pp.1-2- Lectured to group of 68 people in Hilo sponsored by Hawaiian Council of Commercial Planning; had several conferences with people strongly opposed to any extension of Kulani Prison; departed from headquarters Sept. 22 en route to attend the superintendent's conference at Grand Canyon.

Research and Observation, p.2- 30 earthquakes recorded on Observatory seismographs, 21 being recorded at Kilauea and 26 at Mauna Loa. The strongest of the shakes on Sept. 13 was widely felt over most of the island.

Interpretive Service, pp.2-3- Three groups of high-ranking Army officers visited the park and Kilauea Military Camp in the course of the month and were given guided tours, talks, and movies. Also a group of Air Force and Civil Air Patrol officers visiting the park were shown points of interest in the park and eruption movies. A good laugh is had by all concerned over a little nature faking at EMC.

Administration, p.3- Park Naturalist and Chief Ranger made an investigation of the trail and country between the park boundary and Kulani Prison Camp to where the Territory hopes to move its principal penal institution from Oahu. The Territory's strong "selling point" is what they call the "impenetrable jungle" which they claim surrounds the prison camp. The above investigation exploded this claim as they found a wide trail as far as Keawewai, about two miles from Kulani, cleared by years of cattle grazing. From Keawewai cleared fence lines run directly into the immediate vicinity of the prison camp. They estimated that a prisoner in normal condition could easily make the trip from the prison camp to park headquarters in less than four hours.

Use of Park Facilities, p.3- Altho the entire park staff is short-handed, there was no decrease in interpretive contacts throughout the month.

Park Boundaries, p.4- New survey of northern side of the park completed preparatory to a study of a recommended boundary extension to assure a buffer area between the park and private lands about to be opened up as real estate subdivisions, etc.

Forest Fire Protection, p.4- Small grass fire from a cigarette brought out fire engine and squad on the 22nd, adjoining the golf course at EMC.

Exotic Animal Control, p.5- At Kilauea section 395 goats were removed, 59 pigs, 12 mongooses, 4 cats. At Haleakala 20 goats destroyed.

Travel, p.5- Total travel to Kilauea section was 34,343; to Haleakala 1,971.

Annual travel year ending Sept.30 1948: Kilauea, 328,647; Haleakala 32,643.

Visitors, p.6- As listed on page 6.

RECEIVED AS FOLLOWS

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

October 12, 1948.

MEMORANDUM for the Director.

Following is report of activities in Hawaii National Park for the month of September, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 76° and 50°. At Haleakala ranger station these temperatures were 69° and 40°. Total rainfall at Kilauea 3.39" and at Haleakala 3.35".

At Kilauea section several good rains during the month relieved the fire hazard on Mauna Loa and in the Hilina Pali region. Snow was observed on the neighboring mountain of Mauna Kea on the 29th.

Superintendent's Special Activities

Several field trips were made with Mr. and Mrs. Jack Barnard of the Sierra Club of California who appeared to enjoy their visit to the park a lot. Rear Admiral and Mrs. E. A. Coffin of the U. S. Coast Guard and Vice Admiral Murray visited the park in September.

September 8 the superintendent lectured to a group of 68 people at a noon luncheon meeting in the Hilo Hotel, sponsored by the Hawaiian Council of Commercial Planning.

Superintendent had several conferences with some of the people who were strongly opposed to any extension of Kulani Prison; took Mr. and Mrs. R. C. Robinson, friends of Associate Director Maier, on a trip over the park trails and places of interest on September 11.

Mr. Vern Hinkley, Managing Editor of the Honolulu Star-Bulletin, spent two weeks in the park and visited many of the out of way places he had never seen before which he is going to use for several articles to be published in the Hilo and Honolulu papers.

The Superintendent left headquarters on September 22 en route to attend the superintendents conference at Grand Canyon.

The final report on Rehabilitation of Hawaii National Park Water System was mailed to the Regional Office September 2.

RECEIVED AS FOLLOWS

Superintendent's Special Activities (cont'd)

Dr. O. C. Durham, Chief Botanist of the Abbott's Laboratory, North Chicago, Illinois, and Dr. Tell Nelson, Allergist of Honolulu, arrived on the 26th to start their pollen survey. The Acting Superintendent accompanied them on their trips about the island and helped them all possible. They left for Maui and Haleakala section on the 29th to continue their studies there.

Several days were spent on the reappraisal of quarters (Form Q-6) during the month, many discrepancies located and corrected. This work is now being held in abeyance, pending the arrival of our new chief clerk, in order to give him a good picture of this condition here, when it will be completed and sent in.

Research and Observation

The majority of the 30 earthquakes recorded on the Observatory seismographs during September originated under Mauna Loa. Twenty one of these shakes were recorded at Kilauea and 26 at Mauna Loa. Only three of the shakes were felt locally. The strongest of these, which was widely felt over most of the island, occurred at 8:20 AM September 13. It originated at a depth of 20-25 miles below the surface between Hilo and Mauna Kea. The north-northeast tilt during the month of September was about normal for this season of the year.

Interpretive Service

The month was a busy one for the naturalist division. Three groups of high-ranking Army officers visited the park and Kilauea Military Camp in the course of the month and were given guided tours, talks, and movies. Among those attending our weekly orientation program held in conjunction with Kilauea Military Camp on September 7 was Major General F. L. Parkes, new Deputy Commander for U. S. Army, Pacific. Accompanying General Parkes on his "orientation trip" were ten other officers new to this theater.

On September 12 the park was visited by 13 high-ranking Army medical officers. The group was met at the Thurston Lava Tube and taken on a tour of important points of interest in the park by the Park Naturalist. Ranking officer of the group, which had just dedicated Tripler General Hospital on Oahu, was Major General W. T. Kirk.

A group of Air Force and Civil Air Patrol officers visited the park on September 27. The group, headed by Colonel M. S. Savage of the Air Force and Colonel H. K. Coffey of the C.A.P., were shown points of interest in the park. Following lunch at KMC, the group saw movies of the 1918-1924 Kilauea activity, and the 1942 eruption of Mauna Loa.

As a portion of the Tuesday afternoon orientation programs the Park Naturalist has been pointing out a few of the more common trees and plants of the

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Interpretive Service (cont'd)

area, including the ubiquitous ohia (Metrosideros collina) with its beautiful red blossom, the lehua. The tree used for an example had been having fewer blossoms weekly, until on September 21 there were but two remaining. To his great amazement, when he turned to point this tree out to our visitors, on the following week, its lower branches were a mass of blossoms. Closer examination disclosed that they were exotics however - dahlias, anthuriums, and some made of red felt. After giving a discourse on the sins of "nature faking" he learned that the KHC surgeon had spent most of the morning, "suturing" the flowers onto the tree, that our program might not lack color! A good laugh was had by all.

Administration

September 4 was spent by the Park Naturalist in company with Chief Ranger Frank Hjort making an investigation of the trail and the country between the park boundary and Kulani Prison Camp, approximately eight miles from the park headquarters area, to where the Territory hopes to move their principal penal institution, from Oahu. One of their strong "selling points" is what they call the "impenetrable jungle" which surrounds the prison camp. Their investigation showed a wide trail as far as Keawawai, about two miles from Kulani, cleared by years of cattle driving. From Keawawai, cleared fence lines run directly into the immediate vicinity of the prison camp. They estimated that a prisoner in normal condition could easily make the trip from the prison camp to park headquarters in less than four hours.

An article of approximately 1500 words on Hawaii National Park -- what it has to offer the visitor, recent developments, and future plans -- was prepared for the holiday edition of Paradise of the Pacific magazine. Included were 22 photographs of scenes in the park from which the editors may select the ones they wish to publish. About two days were devoted to this article.

Photography

A record was kept of all photographic work done during the month. When totalled it was found that we had turned out approximately 450 prints; 244 of them 4x5 contact, and the remainder 8x10 and 14x17 enlargements. A total of 60 negatives were developed.

One evening was devoted to preparation of a series of scenes of the park to be sent out to agencies requesting them. One set, 22 in number, was sent to Authenticated News, New York, at their request.

Use of Park Facilities

In spite of the fact that the entire park staff is shorthanded, there has been no decrease in interpretive contacts throughout the month. The ranger division has been helpful as also the administrative division when it was necessary to call upon them for assistance.

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Park Boundaries

The Ranger Division was assigned the task of locating the boundary monuments between the Bishop Estate and the park along the northern side of the park between the Hilo Entrance and Kilauea Military Camp. This is preparatory to a study of a recommended boundary extension to assure a buffer area between the park and private lands about to be commercialized to their greatest extent as real estate subdivisions and as a source of supply of fern trunks for the growing orchid industry.

Approaches to the Park

The Quonset Hut project just outside the Hilo Entrance, after laying dormant for many months, has now changed hands and work has been resumed on converting these huts into guest cottages.

Cooperating Governmental Agencies

The U. S. Coast Guard stationed at Hilo has offered its service to us to deliver any goods to the Haleakala Section on Maui in case of emergency or to take us to our seacoast area in this section.

The CAA has offered the use of their radio technician to help us solve our radio problems as we have no one on our staff trained in radio work.

Police Protection

Ten people were arrested and taken before the U. S. Commissioner in Hilo - six for speeding inside the park, four for wantonly breaking ohalo berry bushes. They drew fines ranging from \$5.00 to \$25.00. We have been getting excellent cooperation of late from U.S. Commissioner Irwin in Hilo on the cases taken before him for violation of park regulations.

Forest Fire Protection

A small fire was started with a cigarette from the Golf Course around noon of the 22nd. It was seen by several people between noon and 3:15 PM when it was reported, but at first thought to be a rubbish fire. The fire truck and a crew of men from the park plus KMC were on the scene soon after reporting. The blaze was put under control in 20 minutes. It was patrolled until 8:00 AM the following day, when it was declared out.

Building Fire Protection

A fire drill and inspection was held at KMC after arrival of a new piece of equipment there. The inspecting Navy Chief inspected our equipment which he said was in good shape and very suitable to our needs.

Hose holders for rapid use have been installed and tested on the three hydrants in the Observatory.

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Control of Exotic Animals

At Kilauea section 395 goats were removed or destroyed, together with 59 pigs, 12 mongooses and 4 cats. At Haleakala a total of 20 goats destroyed.

Inspections

On the 1st and 2nd of the month Mr. J. M. Barringer, Special Assistant to the Administrator W.A.A., Washington, and Mr. Glenn S. Taylor, Regional Director W.A.A., Honolulu, made a brief inspection of the park's use of surplus property.

Ranger Service

Approximately 1500 koa seedlings were planted in old scars made by buildings, roads, war usage, etc.

A field radio was taken to the 10,000 ft. rest house on Mauna Loa and communication was established with our set at Kilauea and also with Haleakala headquarters. Haleakala ranger station is about 100 miles air line from Puna Ulaula where the field set was located. The Army rates this field set at a maximum of 15 miles for transmitting range, which makes this test quite remarkable. It all adds up to the fact that no matter where an eruption breaks out on Mauna Loa we can communicate direct to either Haleakala or Kilauea while observing the flow.

Travel

Total travel for September to Kilauea section was 34,348, and to Haleakala 1,971.

Travel for Kilauea section rose sharply in September; the Labor Day holiday on the 6th being the biggest travel day we have experienced in over a year. At Haleakala there was a 47% decrease compared to August, reflecting the shipping strike on the west coast with no commercial ships coming into Honolulu, the telephone strike prevailing on four of the main islands, and the beginning of school.

Annual Travel Statistics show total travel for year ending September 30, 1948, to the two sections of the Park to be as follows:

<u>Kilauea Section</u>		<u>Haleakala Section</u>					
Visitors	328,647	Decrease	33,866	Visitors	32,648	Increase	12,059
Vehicles	138,597	Increase	4,934	Vehicles	6,922	"	1,904

It is believed that this decrease of visitors is directly attributed to the break in the raw-sugar market of some months ago that was reflected in the general economy of the territory.

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Maintenance

Brushed out and graded roads in utility area; routine quarrying and crushing operation of materials for section 3-C of Mamalahoa Highway where patching of raveled edges and reshaping of shoulders continued during the month. Installed underground power cable between carpenter shop and machine shop, in order to remove overhead wires, thus enabling the heavy equipment to work in the area. Removed small diesel engine and installed a 15 h.p. electric motor on two-stage pump in main pumping station. Cut and collected ohia and koa logs on the slopes of Mauna Loa for the new entrance sign. Completed construction of and installed new heating system in the superintendent's residence. Other routine work was performed.

Miscellaneous

Bombing was resumed on the Kan Bombing Range without notification to this office or to the Kilauea Military Camp on the 30th. General Robert F. Travis, Commanding General, Pacific Air Command, was immediately contacted, and it was disclosed the Air Force was not operating in this area. Since it was apparently dive bombing, General Travis presumed that it was the Navy using the old Air Force Range without the knowledge of the Air Force. He has taken steps to insure proper notification if further use of this bombing area is contemplated.

Staff meetings were held on the 3rd and 17th.

Personnel

John R. Fox, of Mount Rainier National Park, was recommended as Chief Clerk to succeed Kenneth Kim who resigned in August, and his transfer is expected to be effected at a reasonably early date.

Richard J. Hartesveldt, Park Ranger, resigned as of September 21 to return to take up study at Ann Arbor University under the GI Bill.

Peter Pszyk, Maintenance man, resigned September 20.

Visitors

Major General F. L. Parkes, Deputy Commander, USARPAC

Major General W. T. Kirk

Major General J. M. Willis

Major General W. P. Deaning

Brig. General G. E. Armstrong

Mr. Vern Hinkley, Managing Editor, Honolulu Star-Bulletin

Mr. and Mrs. J. P. Rainey, Long Beach, winners of a free trip to the islands on the General Electric Houseparty program.

Mr. and Mrs. R. C. Robinson, California

Colonel M. S. Savage, Air Force

Colonel H. K. Coffey, C.A.P.

Benjamin F. Moomaw, Jr.,
Acting Superintendent.

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NATIONAL PARK SERVICE

Swath out through the forest on Puu OO trail to Keawewai
indicative of the so called "impenetrable jungle" between
the Kulani Prison and Hawaii National Park.



RECEIVED AS FOLLOWS

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NATIONAL PARK SERVICE

**Kilauea Forest Reserve fence which is within one mile of
Kulani Prison and runs down to the National Park.**



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Paddock fence leading from Kilauea Forest Reserve fence
to Keawewai. Escaped prisoners could not miss this route
in their flight.



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NATIONAL PARK SERVICE

Open country on the Pau Oo trail to Keawewai easily
accessible to possible escapees from Kulani Prison.



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Keawewai, outpost of Keauhoa Ranch on the Puu Oo trail
9 miles north of Headquarters approximately 2 miles
from Kulani Prison.





UNITED STATES
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NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

HALEAKALA SECTION

September 30, 1948.

MEMORANDUM for the Superintendent.

The Haleakala Section Monthly Narrative Report for September, 1948 is respectively submitted.

Weather Conditions.

This has been another cloudy month with only seven clear days. The first white frost on the Crater floor for this season was seen by one hundred and twenty nine Park visitors on the morning of 5 September. Thunder and lightning were heard and seen respectively on the evening of 27 September.

Maximum temperature ----- 69 degrees on the 5th and 8th.
Minimum temperature ----- 40 degrees on the 10th, 11th, & 13th.
Total precipitation ----- 3.35 inches.
Clear days ----- 7.
Partly cloudy days ----- 12.
Cloudy days ----- 11.

Special Activities.

The 16th of September was a sad day for the employees of this Section when District Ranger Hartesveldt received his orders to return to Kilauea. We were sorry to see him leave Maui and later regretted hearing it was necessary for him to return to the States. To the Hartesveldt's we say, "Aloha, and Good-luck!".

Inspections.

A short visit was paid to Haleakala by Superintendent and Mrs. F. R. Oberhansley, and Ranger Richard Hartesveldt on the 22nd of the month. Superintendent Oberhansley was enroute to a National Park Service Conference in Grand Canyon National Park, and Ranger Hartesveldt was returning to Grand Rapids, Michigan.

Maintenance.

Much patching was done on the Haleakala Road during the first half of the month. A number of long, wide patches are needed on a two mile section along the rim of the Crater to complete this job. Very little trail work has been done.

The water tank at Holua cabin located in the Crater has been leveled. Please see attached pictures. This job could not have waited much longer. The picture showing the leaning tank was taken on 26 August 1948. When we began the repairs on 22 September 1948, the tank was over another inch or two. A rotten corner post was replaced and the tank was cleaned out.

UNITED STATES
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HAWAII NATIONAL PARK

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HALEAKALA SECTION

September 30, 1948.

Maintenance. (con't)

The tank at Kapalaoa cabin that has not been used for several years was rebuilt. Door and window glasses were replaced in two Crater cabins, and dragging doors repaired.

Staining the exterior walls of the District Ranger's Quarters has been started. On 28 September we received 1.24 inches of precipitation. The heavy rain leaked through the roof on this building and on the following day leaked through the kitchen ceiling.

Laborer David G. Freitas was laid off September 17, 1948 at the end of the day.

Concessioners.

Receipts at the Haleakala Mountain Lodge are off somewhat for this month due to the same reasons given to cause a decrease in travel. It is understood that visitation is very low in all Island hotels.

Interpretive Service.

Five sunrise patrols were made to the Observation Station and informal talks were held with three hundred and forty three Park visitors. Mc Call has shown 35 MM Kodochrome slides of the Haleakala Section to Sixty three guests of the Haleakala Mountain Lodge.

Research and Observation.

A wallet was found in the Observation Station and returned to it's owner, Mr. A. H. Tanquay, manager of the Maui Motors, Wailuku, Maui, T. H.

A pair of 7 x 50 binoculars were found in the Observation Station and a local taxi company has notified the owner they are in our possession. However, we have not heard from them to date.

Three hundred ring-necked pheasants, approximately 50-50 male and female, have been released by the Haleakala Club at their club house, which is located below the Park in the Haleakala Ranch near the 6300 foot elevation. All birds were banded.

The Territorial Board of Agriculture and Forestry released two hundred of these birds in the West Maui Forest Reserve beyond Kahakuloa at the end of the road. Feeders and water troughs have been installed in this area.

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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK

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HALEAKALA SECTION

September 30, 1948.

Increase or Decrease in Travel.

The shipping strike prevailing on the West Coast and in the Territory; the telephone strike on four of the main Islands; the general bad weather on the Island of Maui; and last but not least, the beginning of school have all attributed to a 47% decrease in travel for September.

Eight hundred and twenty six Park visitors signed the summit register.

Visitors.

Mr. and Mrs. R. H. Butterfield, Jr., manager of Hotel Hana Maui, Hana, Maui, T. H., and their friend Miss Bernice Furlong of Berkeley, California were guests of the Haleakala Mountain Lodge.

Mr. and Mrs. John R. Barnard were met by Mc Call at the Maui Airport and were driven up the Iao Valley before coming to the Park. Making the Lodge their headquarters they had an enjoyable trip into the Crater, staying two nights in different cabins. Mr. and Mrs. Barnard are active members of the Sierra Club and the Federation of Western Outdoor Clubs.

Mr. Guy H. Hazelton, of Hollywood, California has spent several days in this Section of the Park taking pictures. Mr. Hazelton is a commercial photographer and an acquaintance of Mr. Ansel Adams, a recent visitor to Hawaii.

Ranger Medeiros was with Dr. Tell Nelson of Honolulu and Dr. O. C. Durham of North Chicago for two days, driving them through the Park and other parts of this Island. Dr. Durham is with the Abbott Laboratories in Chicago and is the Technical Director of the Committee on National Pollen Survey of the American Academy of Allergy. Dr. Nelson was assisting Dr. Durham in a survey of the islands for ragweed and other grasses that make it unpleasant for persons who are hypersensitive to pollen from grasses.

Ranger Service.

Various duties have required ranger time such as, patrol; contacting Park visitors; shop work; shoeing government-owned livestock; repairing Crater cabins and water tanks; cleaning roads of rubbish carelessly dropped from passing cars, and of rocks; cleaning water trough in horse corral; packing wood and other supplies to Crater cabins; installing hitching rack at Paliku; goat control; spreading slack lime in all Crater toilets; cleaning Observation Station and area; working with two-way radio units; replacing window glass in Observation Station and painting a portion of the interior wall; and treating all water tanks with chlorine.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

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HALEAKALA SECTION

September 30, 1948.

Control of Exotic Animals.

Our goat annihilation program has suffered extremely with our 50 % decrease in man-power and Medeiros being out on sick leave part of the time. Nor has he been able to use his hand for this kind of work since his return to duty.

A total of twenty goats were destroyed this month.

Fifty six goats and eight pigs were destroyed in adjoining Territorial Forest Reserves by hunters permitted to pass through the Park with guns after securing a permit from this office.

Building Fire Protection.

The power and kerosene-burning refrigerator have been turned off in cottage #26.

The monthly building fire hazard inspection of the Haleakala Mountain Lodge was made. The Management was asked to clean a fire extinguisher located outside the kitchen door and mount same on the wall, thus removing it from the garbage rack. So far, the Management has taken no steps to display small signs in prominent places to inform guests on what to do in case of fire, as requested. If we are ever so unfortunate to have an outbreak of fire at the Lodge that is not immediately brought under control by hand extinguishers we will no doubt lose one or more buildings due to the lack of any type of fire-fighting system or equipment in this area.

Three of our government-owned vehicles are still without the required one quart fire extinguisher. These were requisitioned the first week in June, 1948.

Public Health.

Mr. George Y. Zane, Acting County Health Officer in the Territorial Department of Health, Wailuku, Maui, and Mr. Robert Lam, Sanitary Engineer of the Division of Sanitation in the Territorial Department of Health, Honolulu, inspected the Park and Lodge water systems the first week in September. Samples were collected from the Park fire tank and the District Ranger's Quarters. Also from the Lodge's large cement tank and their kitchen.

UNITED STATES
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HAWAII
HALEAKALA SECTION

September 30, 1948.

Public Health (con't).

Both systems were complimented and negative reports have been received from Mr. Zane's office.

As an additional precaution the entire Park system, including the Crater tanks, has been treated with chlorine.

Clifford S. Mc Call, Jr.
Clifford S. Mc Call, Jr.,
Acting District Ranger...

P. S. There was a total of eighty two animal days spent in the Crater; sixty five for the Lodge, and seventeen for the Park.

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HALEAKAIA SECTION

September 30, 1948.



Compare top and bottom of tank with corner of cabin.



Note, now only roof of tank protrudes beyond corner of cabin.

UNITED STATES
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NATIONAL PARK SERVICE
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HALEAKALA SECTION



September 30, 1948.

MEMORANDUM for the Superintendent. (Attention Park General Foreman).

The following is the Haleakala Section Monthly Work Report for September, 1948:

With changes being made in personnel during this month; meeting visiting firemen; entertaining a number of outside visitors; plus a fifty per cent decrease in the total personnel of this Section, we have to report that all jobs have progressed at a much slower pace.

Several hours were spent on routine service and maintenance jobs on government-owned vehicles. The usual amount of time was used for sanitation.

A little better than one day was required to crate District Ranger Hartesveldt's household goods.

Major attention was focused on the Haleakala Road for the first two and one half weeks of this month. Many patches were made along the edges and some in the middle of the traffic lanes. The road is now in fair shape with the exception of the last two miles along the rim. This section, from the silversword trail to the Observation Station, still needs some long, wide patches to bring traffic lanes back to regulation width. At present the road is not wide enough for two cars to pass when meeting and stay on the hard surface. We will plan to complete this job when we receive an order for bitumels and replace our road crew. Pszyk states the maintenance road roller (no assigned license number) is operating better now than it did prior to the last break-down.

Very minor repairs have been made on the Halemauu Trail. Some washing occurred on the Leleiwi Cliff portion of this Trail with the 1.10 inches of precipitation on September 24, 1948. On 28 September we received 1.24 inches of precipitation, but we will not be able to make a check before this report is due in your office.

UNITED STATES
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NATIONAL PARK SERVICE
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HALEAKALA SECTION

September 30, 1948.

MEMORANDUM for the Superintendent. (Attention Park General Foreman).

The Holua cabin storage water tank has been leveled. The leaning had increased by another inch or two during the past month. A rotten corner support leg was replaced and the tank was cleaned out. This tank was emptied on 21 September and it was thirteen inches from the usual water level on 25 September.

The water tank located above Kapalaoa cabin that has not been in use for a number of years has been rebuilt. Two new staves were used. As yet, it has not been pressed into service but there are several inches of water in it to preserve the work just accomplished.

The entire water system, including the tanks in the Crater, has been chlorinated as a safety precaution for the Park visitors.

A window glass and a door glass were replaced in the Crater cabins. And several dragging doors were repaired.

We have just begun the exterior work on the District Ranger's quarters, and hope to complete this unit while the house is vacant.

Respectfully submitted,

Clifford S. Mc Call, Jr.,
Acting District Ranger.



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
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October 4, 1948

MEMORANDUM for the Superintendent.

Subject: Narrative Report for September 1948 of Benjamin F. Moomaw, Jr.,
Assistant to Superintendent and Acting Park Engineer.

Special Activities

As mentioned last month the undersigned was local registrar for the Hilo Local Board and he was busy with this through the 18th. The job was confining but due to the small population of the section in and around the park no more than four registrants were handled per day.

The Water System Completion Report was completed and submitted to the Superintendent on the 1st.

Several days were spent on the reappraisal of quarters, (Form Q-6) during the month, many discrepancies were located and corrected. This work is now being held in abeyance, pending the arrival of the new Chief Clerk, then it will be completed then, in-order-to give him a good picture of this condition here.

Superintendent Oberhansley left the park on the 22 enroute to the Grand Canyon Conference. He spent the evening of the 22 at Haleakala and went to Honolulu on the morning of the 23, he sailed via the Navy Transport, General Mitchell the afternoon of the 24.

Dr. O. C. Durham, Chief Botanist of the Abbott's Laboratory, Chicago and Colonel Tell Nelson, Allergist of Honolulu arrived on the 26th. The Chief Naturalist had informed us of Dr. Durham's visit, in order to make his pollen studies. They were accompanied by the undersigned on their survey, which was completed on this Island the 28th. They left for Maui and Haleakala Section on the AM of the 29. Warden McCall accompanied them while at Haleakala.

Bombing was resumed on the Kau Bombing Range without notification to this office or to Kilauea Military Camp on the 30. General Robert F. Travis Commanding General, Pacific Air Command was immediately contacted, and it was disclosed that the Air Force was not operating in this area, since it was apparently dive bombing, General Travis presumed that it was the Navy using the old Air Force Range without the knowledge of the Air Force.

General Travis was most cooperative and is contacting all bombing agencies in order that we may be notified of any future use. He was as surprised as we were, especially in view of Assistant Secretary Zuckert's letter to the Department of June 23, 1948.

Inspections

1 - 2 Mr. J. M. Barringer, Special Assistant to the Administrator W.A.A., Washington and Mr. Glenn S. Taylor, Regional Director W.A.A., Honolulu made a brief inspection of the park's use of Surplus Property over these dates, Mr. Barringer is the father of one of the undersigned's good friends, Professor J. M. Barringer, Jr. of the Business Administration School at Virginia Polytechnic Institute.

Investigation of Boundary Changes

In compliance with Superintendent Oberhansley's final instructions the Ranger Division was assigned the task of locating the boundary monuments between the Bishop Estate and the Park along the northern side of the Park between the Hilo Entrance and K.M.M. This is preparatory to a study of a recommended boundary extension to assure a Buffer Area between the Park and private lands about to be commercialized to their greatest extent as real estate subdivisions and as a source of supply of fern trunks for the growing orchid industry.

Interpretative Service

Four regular daily Volcano lectures were given during the month while the Naturalist was off duty or engaged on other activities.

Travel

Annual Travel Statistics show total travel to the two sections of the Park to be as follows:

Kilauea Section

Visitors	328,647	Decrease	33,866
Vehicles	138,597	Increase	4,934

It is believed that this decrease of visitors is directly attributed to the break in the raw -sugar market of some months ago that was reflected in the general economy of the territory.

Haleakala Section

Visitors	32,648	Increase	12,059
Cars	6,922	"	1,904

A heavy snowfall on this volcano accounts for one third of this travel increase that gave many residents of this tropical Territory their first chance to see snow. The remainder is believed to be the result of better accommodations and transportation facilities now available on the island of Maui.

Visitors

- 1-2 J.M. Barringer, Special Assistant to the Administrator W.A.A. Wash. Glenn Taylor, Regional Director, W.A.A., Honolulu (See Inspections above.
- 8 Mr. & Mrs. R. C. Robinson, San Francisco, friends of Associate Regional Director Maier.
- 23-24 Mr. Geo. Fuller, retired Vice President of the Bank of Hawaii, Mr. Fuller was a host at Waimea, Hawaii, September 1947, for the Stockman's Congressional Party during their visit.
- 26-29 Dr. O. C. Durham, Chief Botanist Abbots Laboratories, Chicago
Colonel Tell Nelson, M.D., Allergist of Honolulu.

(These gentlemen mentioned under Special Activities above)

Forest Fire Protection

The first fire of any size in years occurred on 22 in the Tree Mold Area. It was corralled however in a matter of minutes after it was reported- see Chief Ranger's Report.


Benjamin F. Moomaw, Jr.,
Acting Superintendent.

October 4, 1948

PRESS RELEASE

R. H. FINCH Volcanologist

The majority of the 30 earthquakes recorded on the Observatory seismographs during September originated under Mauna Loa. Twenty one of these shakes were recorded at Kilauea and 26 at Mauna Loa. But three of the shakes were felt locally. The strongest of these which was widely felt over most of the island occurred at 8:20 am Sept 13. It originated at a depth of 20-25 miles below the surface between Hilo and Mauna Kea.

The north-northeast tilt during the month of September was about normal for this season of the year.

13944

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

October 4, 1948

MEMORANDUM for the Acting Superintendent.

Subject: Activities of Maintenance Division during month of September.

201.

1. Completed construction of and installed heating system Quarters #17. The only remaining items left undone is a small portion of the wiring and the installation of instruments, which are on order.

202.

1. Routine quarrying and crushing operation of materials for section 3-C.
2. Patching of raveled edges and reshaping of shoulders section 3-C, Mamalahoa Highway were carried out during entire month.
3. Cut and collected ohia and koa logs on the slopes of Mauna Loa for the new entrance sign.

204.

1. Brushed out and graded roads in utility area.
2. Placed road block on lower utility area road.

206.

1. Routine construction of trail signs and markers.

207.

1. Routine cutting of lawn Quarters 17, 27-1, 27-2 and all vacant quarters.
2. Cut grass from around building and utilities public camp grounds.

209.

1. Installed underground power cable between carpenter shop and machine shop. This was done in order to remove overhead wires to enable the heavy equipment to work in area.

212.

1. Cleaned and repaired all gutters including CCC Camp.
2. Routine pumping of water.
3. Tightened band on new 100,000 gallon water tank (4) in number.
4. Removed small diesel engine and installed 15 HP. electric motor on two-stage pump in main pumping station.

217.

1. Routine repairs and servicing of two park sedans.

218.

1. Routine janitor service, garbage disposal and servicing of public rest rooms.

287.

1. Hauled wood bought under contract from 29 miles.
2. Started rehabilitation of Quarters #22.
3. Installed (2) two fluorescent lights Quarters #4.
4. Routine garbage disposal and fuel oil delivery.

104.

1. Crated Hartesveldt's household effects.
2. Assisted in control of grass fire adjacent to golf course and place guards during night.

Miscellaneous

1. Attended two staff meetings during month.
2. Made inspection of D-8 located at old engineer base yard in Hilo, for Yellowstone National Park.
3. The resignation of Peter Pszyk was tendered and ^{accepted} ~~excepted~~ at the close of business September 20, 1948.
4. Attached monthly vehicle mileage report and water meter readings.

Herbert J. Quick
Herbert J. Quick,
General Foreman.

23111

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

October 8, 1948

Memorandum for the Acting Superintendent.

Report of ranger activities for the month of September 1948:

Weather Conditions

Several good rains this month relieved the situation on Mauna Loa and at Hilina Pali with respect to fire hazard.

One thunder shower was experienced on Mauna Loa this month. No damage to telephone, lines or equipment resulted.

Investigations of new park areas or boundary changes

✓ The boundary to our north has been located on the ground. All concrete markers were found and the old survey line cut out to the extent that walking is quite easy on the boundary line from the Hilo Entrance to the Ruddle road.

No evidence of fern cutting was found anywhere along the entire line nor was there any ferns being cut close to the park.

Fresh pig rootings were seen along the boundary less than half a mile from park headquarters. Warden Hauanio solicited the aid of Gordon MacKenzie and his dogs. They caught two sows in this area.

General Publicity

Vern Hinkley published a story about his recent hike to Napau Crater and the Lava Trees in the Honolulu Star Bulletin. The Chief Ranger and daughter accompanied Hinkley on this hike.

Maintenance

Very little work was necessary on telephone lines throughout the month. All phones were working in spite of reports that the Hilo Entrance, Lava Tube, and Volcano Fire phones were reported out of order. Immediate investigations showed the phones to be in working order.

The telephone at 10,000 ft. on Mauna Loa was checked and found to be in working order.

✓ A field radio was also taken to the 10,000 ft. rest house on Mauna Loa and communication was established with our set at Kilauea and also with

Haleakala Section headquarters. Haleakala Ranger Station is about 100 miles air line from Puu Ulaula where the field set was located. The Army rates this field set as a maximum of 15 miles for transmitting range which makes this test quite remarkable. It all adds up to the fact that no matter where an eruption breaks out on Mauna Loa we can communicate direct to either Haleakala or Kilauea while observing the flow.

Approaches to the Park

The Quonset Huts being made into guest cottages just outside the Hilo Entrance have changed hands and after lying dormant for many months are now being fixed up for future use.

Cooperating Governmental Agencies

The U. S. Coast Guard stationed at Hilo has offered its service to us to deliver any goods to the Haleakala Section on Maui in case of emergency or to take us to our seacoast area in this section.

The CAA has offered the use of their radio technician to help us solve our radio problems as we have no one on our staff trained in radio work.

Interpretive Service

Bender showed the 1942 Eruption movies to 21 visitors on the 4th.

Increase and Decrease in Travel

Travel figures after taking a slump in August rose sharply in September. The holiday on the 6th was the biggest travel day we have experienced in over a year.

The local travel caused by the primary election was responsible for some of the increase. Good weather helped.

Visitors

The Barnards were shown as much of the park as possible and escorted around the island by Bender the first part of the month.

Mr. and Mrs. James W. Rainey of Long Beach, California were conducted through the park. Mrs. Rainey won a radio contest the prize being a trip to the Hawaiian Islands with all expenses paid for her and her husband.

Mr. and Mrs. R. C. Robinson were conducted around the park this month. The Robinsons are friends of Associate Director Maier.

Ranger Service

Approximately 1500 koa seedlings were planted in old scars made by buildings, roads, war usage etc.

More seeds are being propagated.

Inspections were made at the Volcano House on sanitation by Bender and the Haleakala Mountain Lodge by McCall. In each case cooperation with the concessioners was excellent.

A Dodge Station Wagon wandered off toward Hilina Pali from Kipuka Nene and got stuck. We pulled it out with our patrol Jeep. A sign is being made to warn visitors not to take cars other than military type 4 wheel drive vehicles over this road.

Police Protection

Esawa Morimoto	Speeding \$15 bail forfeit
Katsumi Uemura	" " " "
Manuel Soares	" " " "
Frank Ushiroda	" " " "
Alfred V. Ventura	" 15 fine
Jakaku Shirasu	" 25 "
Pedro M. Manzano	Picking ohelo berry bushes \$5 fine
Dora Manzano	" " " " " "
Mrs. Irene Tanhiro	" " " " " "
Mrs. Nora Inouye	" " " " " "

Several people were warned to slow down through our 25 mile zones.

No new evidence has been uncovered on the robbery of our gun room. Work continues on the case.

Wildlife and Feral Animal Control

395 goats removed or destroyed
59 pigs " " "
12 mongooses destroyed
4 cats "

Forest Fire Protection

A small fire was started with a cigarette from the Golf Course at around noon of September 22. It was seen by several people between noon and 3:15 PM when it was reported but in each instance it was thought to be a rubbish fire at Keahou Ranch or the Golf Course houses.

The fire truck and a crew of men from the park plus KMC were on the scene soon after reporting. The blaze was put under control in 20 minutes. It was patrolled until 8:00 AM the following morning, when it was declared out.

Our fire crew responded very well. There was little lost motion. KMC cooperated in a most satisfactory manner. Their fire truck had some difficulty in locating the fire so henceforth their equipment will not move on a grass or forest fire until park personnel calls for it and guides them to the blaze.

Building Fire Protection

A fire drill and inspection was held at KMC after arrival of a new piece of equipment ~~added~~ there. The Chief Ranger attended the drill and inspections. The inspecting Navy Chief also inspected our equipment which he said was in good shape and very suitable to our needs.

All but two fire extinguishers are repainted.

Hose holders for rapid use have been installed and tested on the 3 hydrants in the Observatory.

Frank A. Hjort

Frank A. Hjort,
Chief Ranger.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

October 8, 1948

Memorandum for the Acting Superintendent.

Report of ranger activities for the month of September 1948:

Weather Conditions

Several good rains this month relieved the situation on Mauna Loa and at Hilina Pali with respect to fire hazard.

One thunder shower was experienced on Mauna Loa this month. No damage to telephone lines or equipment resulted.

Investigations of new park areas or boundary changes

The boundary to our north has been located on the ground. All concrete markers were found and the old survey line cut out to the extent that walking is quite easy on the boundary line from the Hilo Entrance to the Ruddle road.

No evidence of fern cutting was found anywhere along the entire line nor was there any ferns being cut close to the park.

Fresh pig rootings were seen along the boundary less than half a mile from park headquarters. Warden Hauanio solicited the aid of Gordon MacKenzie and his dogs. They caught two sows in this area.

General Publicity

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Maintenance

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Frank A. Hjort,
Chief Ranger.

10-23
(May 1929)
6-7410

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

FILE NO.

Superintendent's Narrative Report

August, 1948

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

September 13, 1948.

Summary of August 1948 7-page Narrative Report for
Hawaii National Park

Weather Conditions, p.1.- Maximum and minimum temperatures at Kilauea headquarters 78° and 48°. At Haleakala ranger station 77 and 41. Total rainfall at Kilauea 3.28" and at Haleakala 2.97".

Special Activities of Supt.- pp. 1-2- Conferred with Governor, Attorney General and other territorial officials in re land acquisition matters, the Kulani prison and other projects; filled speaking engagements on Oahu, Lanai and Maui. Aug.18 the superintendent and Governor Stainback were luncheon guests of Senator Hill in Hilo at which time discussion was had on the Kalapana Extension project, when the Governor again promised action. The 25th and 26th visited with Delegate Farrington during his 2-day visit to the park, when Mr. Farrington expressed his willingness to introduce the necessary bill authorizing boundary revision to include a new headquarters site for Haleakala and connecting right-of-way between the proposed site and the park boundary.

Research and Observation, p.2.- 27 earthquakes recorded on Observatory seismograph during August. During the 12 days from Aug.11 to 22 no earthquakes were recorded at Kilauea, which is approaching a record. Unusual showing of silversword blooming in Haleakala crater.

Interpretive Service, p.3-4.- Naval Air Facility at Honolulu begins flying enlisted personnel stationed at the field in groups of 20 to 25 each Sunday for a day visit to the park, and it is planned to run this program on a year-around basis. Approximately 843 persons attended the daily showing of eruption movies which was begun this month.

Administration, p.4.- Four residents of this island were taken before the U.S. Commissioner in Hilo for breaking large quantities of ohelo berry bushes and pulling them up within the park and were fined a total of \$25.

Ranger Service, p.5.- Chief Ranger and Naturalist Hubbard do some exploring to determine how dense the "jungle" is around Kulani Prison Camp, claimed by the prison authorities to be so impenetrable as to take the place of restraining walls against escapes. It was discovered the Kilauea Forest Reserve boundary fence runs less than a mile from the prison; this fence runs from north and west of the camp, on past it and down to the National Park, so all a prisoner would have to do upon escaping would be to leave the camp in a westerly direction and travel until he hit this fence, then follow it straight to the park.

Personnel, p.7.- Ranger Clifton J. Davis resigned as of August 30; Chief Clerk Kenneth C.S. Kim resigned August 21.

Travel, p.7.- Total visitors to Kilauea in August, 21,996; at Haleakala 3,679.

Miscellaneous, p.7.- "Uncle George" Lycurgus nails down his cribbage championship.

Visitors, p.7.- As listed on page 7.

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

September 13, 1948

MEMORANDUM for the Director.

Following is report of activities in Hawaii National Park for the month of August, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 78° and 48°. At Haleakala ranger station these recordings were 77° and 41°. Total rainfall at Kilauea was 3.28" and at Haleakala 2.97".

Special Activities of Superintendent

From August 1 to 7 the Superintendent visited the islands of Oahu, Lanai and Maui to confer with the Governor, Attorney General and other Territorial officials on land acquisition matters, the Kulani prison problem and other projects of mutual concern, including feral animal control on park and territorial lands. Speaking engagements were filled on each of the islands and the usual inspection was made of the Haleakala section of the park. A detailed separate report has been made of these activities.

On August 9 a conference was had with representatives of the local Power and Light Company concerning rates and removal of unsightly poles near the Hilo Entrance, where we propose installing an attractive new entrance sign.

A burglary attempt at stealing park fire arms from the locked gun room in the basement of the Administration building was blocked when the culprits were alarmed by the Chief Ranger entering the main office on the night of August 13. The culprits escaped after having removed six 45 cal. revolvers and all ammunition for these guns from the gun room to a new suit case which they abandoned outside the basement window that had been "jimmied" to gain access. The Federal Bureau of Investigation in Honolulu and the Hilo Police Department were immediately notified and special FBI Agent Mathis F. Erig arrived from Honolulu the following morning to investigate. He returned to the park on August 28 to continue his investigation by interviewing prospects. Finger prints were secured by him which it is hoped will result in apprehending the originals. This incident has been reported separately in more detail.

Mr. Richey of the Director's office arrived in the park on August 14 enroute to the mainland from his assignment in Japan. He departed on August 17 after having been shown parts of the park not seen on his previous visit. He was introduced to many local park friends who are interested in seeing the

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acquisition of remaining parcels of land in the Kalapana Extension completed. Mr. Richey was impressed at the remarkable koa reproduction on the Mauna Iou strip in the brief time since grazing was eliminated on June 10.

On August 18 the Superintendent and Governor Steinback were luncheon guests at the home of Senator Wm. H. Hill in Hilo, at which time Senator Hill pointed out to the Governor that the matter of acquiring the remaining parcels of land in the Kalapana Extension is a simple matter, requiring no further legislative action, and with sufficient funds already appropriated by the Legislature to complete this park extension. The Governor again promised action. As dinner guests of Mr. Ernest Kai, former Attorney General, at the Volcano House that same evening, we again discussed this problem with the Governor as well as the proposed new headquarters site for the Haleakala Section. Mr. Kai is one of the outstanding attorneys in the Territory and a strong friend of this Service. His influence may be most helpful in effecting desirable boundary revisions already approved and to be proposed. The following day Mr. and Mrs. Kai were taken by jeep to Hilina Pali for their first view of this magnificent pali coastal section.

As a result of the attempted burglary described previously a conference was had with Mr. Takumi Kono, Superintendent of Kulani Prison and police officials on August 20, at which time a procedure was outlined for coordinating release of information concerning possible escapes from Kulani prison.

On August 21 the Superintendent attended a dinner at the Volcano House given by Senator Hill for a group of 20 prominent business men, including wives, from the mainland, followed by an illustrated talk on the park at the Superintendent's residence.

August 25 and 26 visited with Delegate Farrington during his 2-day visit to the park. Mr. Farrington expressed his interest in the park program and stated that he would gladly introduce the necessary bill authorizing boundary revision to include a new headquarters site for Haleakala and connecting right-of-way between the proposed site and the park boundary.

August 27 a discussion was had with Associate Territorial Forester L. W. Bryan concerning the problem of perpetuating rare tree species, particularly the Hibiscadelphus giffardianus which today is represented by one living tree only, growing on Bishop Estate land adjacent to the park and leased by Mr. Herbert Shipman. This tree was propagated from a park tree in the 1920's.

August 31 Mr. and Mrs. John R. Barnard of the Sierra Club were met at Hilo airport and brought to the park for a seven day visit, following which they plan to visit Haleakala.

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Research and Observation

Only 27 earthquakes were recorded on the Observatory seismograph during August. Eleven of the shakes were recorded at Kilauea and 23 at Mauna Loa. During the 12 days from August 11 to 22 inclusive no earthquakes were recorded at Kilauea, which is approaching a record.

The uneasiness at Kilauea, which was quite distinct on July 30 when seven earthquakes were recorded, did not continue. The only perceptible quake recorded during August, which occurred at 03:04 August 3, had a shallow origin under the northeast rift of Mauna Loa.

There was no accumulation of tilt in the East-West direction during the month. The North-South tilt curve shows an accumulation of northerly tilt greater than in 1946 or 1947. This may be taken as an indication of a slight pressure build-up under Kilauea.

On August 10 Ranger Davis observed an Hawaiian hawk or Io (Buteo solitarius) carrying a mynah (Acridotheres tristis). The hawk landed in an ohia tree on a branch about 12 feet above the ground. Here it proceeded to pluck wing and breast feathers from the mynah before beginning to devour it head first. The Acting Park Naturalist came upon the scene, which was about half way between Kipuka Nene and the Hilina Pali shelter, while the hawk was eating. Movies were taken of the hawk by a visitor, but due to poor light and technical difficulties they were unsuccessful. The hawk showed little concern for the people milling around directly beneath it, and refused to take flight until deliberate efforts were made to frighten it.

Acting District Ranger McCall, at Haleakala, who has been in charge the past month while Ranger Hartesveldt was on leave, reports this year appears to be a "boom" season for silversword blooming. It is quite scattered and there must be between one and two hundred blooms throughout the crater. See attached pictures. The silversword enclosure near the Rest House now offers a beautiful sight to the visitor since the plants are fairly large and three are in full bloom. Many small silverswords are to be found along the Haleakala Summit approach road.

Interpretive Service

As a part of its regular recreational program, the Naval Air Facility at Honolulu has begun flying enlisted personnel stationed at the field in groups of from 20 to 25 each Sunday, for a one day visit to the park. The group has been met at the Thurston Lava Tube and taken for a guided tour of a portion of the park. Following lunch at Kilauea Military Camp they are shown the movies of the 1942 eruption of Mauna Loa, then taken to other parts of the park before departing again for Hilo and Honolulu. Commander R. H. Dalo, Executive Officer of the Facility, stated they plan to run this program on a year-round basis, weather permitting. Navy personnel, who might not otherwise leave the island of Oahu, will have an opportunity to visit the park, and will learn about the opportunities for leave offered them at Kilauea Military Camp.

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Interpretive Service (continued)

A total of approximately 843 persons attended the daily showing of the eruption movies which was begun this month.

Some 250 delegates to the territorial convention of the Young Buddhist Association visited the park on August 21 and were given a guided tour. The Manila Symphony Orchestra members were visitors to the park on August 27. They were shown the eruption movies by the ranger division.

Five illustrated talks on Hawaii National Park were given by Superintendent Oberhansley during the course of the month to a total of 650 persons. Among these were talks given to the Blue Goose Fraternity (a national insurance organization) in Honolulu; to approximately 500 residents of the island of Lanai in Lanai City; to the Hilo Rotary; and to visitors at the Haleakala Mountain Lodge on Maui. Mr. Noonan gave four regular lectures for the Naturalist while he was off duty or had other important work conflicting with daily schedule.

At Haleakala section Warden McCall gave informal talks to six sunrise groups at the summit, totaling 571 visitors. He also showed 35 MM Kodachrome slides to 298 guests at the Haleakala Mountain Lodge during the month of August. These pictures are arranged in sequence and depict a trip by horseback from the Lodge to the east end of the crater and the return. Mr. McCall has been asked by the Wailuku Union Church Ladies Aid to show these pictures and give an informal talk at one of their meetings in December.

Among the persons attending our Wednesday morning illustrated talk on August 25 were Mr. Ray Baker, photographer who took the moving pictures of the 1918-1924 activity of Kilauea, which are shown on this program, Dr. T. A. Jaggar, well-known volcanologist and author, and Walter Dillingham, prominent business man. Mr. Baker and Dr. Jaggar were called upon and gave some interesting highlights to the program.

Use of Park Facilities

No apparent decrease in the use of park facilities was noted during the month. Organizational use was made of the area by Boy Scouts and other groups. Ranger reports indicate a use of the campground by 19 persons for a total of 73 camping days, in spite of the fact that camping out is almost unheard of on this island. More groups seem to be realizing the facilities which are offered to them here, not only in the regularly scheduled programs, but in guided tours, talks and movies which are available merely by requesting them.

Administration

Four residents of this island who were found in possession of a large quantity of ohalo bushes, which they admitted breaking off and pulling up within the park, were taken before U. S. Commissioner Irwin in Hilo on August 16 by the Park Naturalist. Upon pleading guilty they were fined a total of \$25. Publicity was given the case in both the Hilo and Honolulu newspapers, including an editorial and photograph.

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Ranger Service

Under the supervision of Rangers Davis and Bender a fine piece of work was accomplished in front of the Volcano House when most of the exotic flowers were removed and native painiu (Astelia varatroides) planted along the car parking curb. Along with this program the above-mentioned men gathered, planted, and germinated several thousand koa (Acacia koa) seeds which will be used both at the Volcano House and Kilauea Military Camp to replace exotic species. Mick Lycurgus and Colonel Thornburg have both been most cooperative in this project.

Work on telephone lines was reduced to almost nothing as all phones were in good working order throughout the month. Some work was done on both traffic and trail signs. Watches were kept at Thurston Lava Tube on Sundays and many people were conducted through and otherwise helped by the rangers on duty.

Work was started on locating the boundary on our north and east with a view to seeing how closely hemmed in we are, how much building is going on, and other problems connected with this.

A trip was made to the rare and only existing Hibiscadelphus giffardianus tree on Keauhou Ranch land north of here by the Superintendent and Chief Ranger. The tree was found to be in excellent condition and about 12 feet tall, 11 inches in circumference at 18 inches above the ground, and with 3 buds and 1 flower. It was propagated from a tree which grew in Bird Park in 1926 and is located in an enclosure against grazing.

Two trips were also made by the Chief Ranger to Keaweawai, an outpost of Keauhou Ranch about 9 miles north of here and less than 3 miles due west of the Kulani Prison Camp. On one trip, accompanied by Naturalist Hubbard, some exploring was done to determine how dense the jungle is around the prison. It was discovered that the Kilauea Forest Reserve boundary fence runs less than a mile from the prison. This fence runs from north and west of the camp, on past it and down to the National Park, so all a prisoner would have to do upon escaping would be to leave camp in a westerly direction and travel until he hit this fence, then go down the fence until he came out in Hawaii National Park. There are also paddock fences joining this fence which lead to the Pui Oo trail and to Keaweawai itself. Since a path goes down both sides of all fences and the Pui Oo trail is well marked and cut out, it is an easy thing for any escaped prisoner to find his way out of Kulani.

Ranger Bender established six permanent photographic stations on the slopes of Mauna Iea which are to be used to help in the recording of the progress of the koa reproduction where the cattle were removed.

Two-way radio communication between Haleakala section and headquarters was set up during the month. Mr. Hubbard handled the installation on this end and the Chief Ranger went to Maui to put that set into operation. The reception on both ends is all that could be asked for, as we can talk without distortion at any time of the day. This means of communication will eliminate a great deal of paper work as well as speed up routine handling of weather reports, time sheet data, and many other matters.

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Maintenance and Construction

Started construction of chimney for heating system at superintendent's quarters; installed new spring on crushing plant and put it into operation; patched raveled edges and dressed shoulders Section 3-C Mamalahoa Highway. Laid linoleum and completed interior painting of Quarters No. 21. Regular routine work was carried on.

The following work was done for the Geological Survey: Painted interior and exterior of building; constructed forms and poured concrete for seismograph cellar; removed forms and backfilled; completed plumbing, built shelving, and hung door of generator house; cleaned up around building. This work is being done on a reimbursable basis.

General Foreman Quick spent two days in Honolulu in an effort to obtain crusher parts and other gear.

Plans, Maps and Surveys

New POP job sheet for completion of Hilina Pali auto trail and revised Minor Roads Priority List were prepared and submitted.

Draft of Water System Rehabilitation Report was edited and proof read, and photos selected and titled. Final typing and finished photographic plates are at hand at this writing. Drafting-room work will be completed by September 1st.

The Chief Clark devoted two weeks to preparation of estimates in cooperation with Mr. Moomaw and others who contributed in some way to final estimates.

Publicity

Approximately 12 articles and a number of editorials appeared in Hilo and Honolulu papers dealing with natural features of the park and the park program.

Staff Meetings

Two staff meetings were held during the month but not reported owing to a big accumulation of stenographic work and not sufficient help.

Approaches to the Park

The road section between Olan and Mountain View has deteriorated to the point where it has a decided bearing on park travel so far as local visitors are concerned.

Exotic Animal Control

At Kilauea section 213 goats were destroyed or removed, together with 8 pigs. At Haleakala 125 goats and 4 mongooses were destroyed during the month.

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Travel

Travel to the Kilauea section showed a falling off of 2,877 compared to the previous month, in spite of the fact that the weather continued pleasant. At Haleakala, total visitors reported were 3,679.

Personnel

Dr. Howard A. Powers, who transferred from his position as Park Naturalist to the U.S. Geological Survey, left the park on August 1 for Denver, Colo., where he will be stationed, en route to making a brief reconnaissance of the Aleutian Islands for the Survey.

Park Ranger Clifton J. Davis resigned from the park as of August 30 to accept a F-3 Entomologist position with the Board of Forestry and Agriculture of the Territory.

Chief Clerk Kenneth C.S. Kim resigned effective August 21.

Ranger James C. Lindsey with his family is spending a long vacation on the mainland. District Ranger Hartesvoldt was on military leave en route to San Francisco as Naval Reserve Officer throughout the month.

Miscellaneous

On August 31 an emergency landing of a 2-place coupe Luskin airplane was made on the Uwekahuna side, 150 yards from Bird Park junction. The plane was piloted by Jean and Marian Dietrich, 22 year old twins, from San Mateo, California. The girls had chartered the plane from Andrews Flying Service in Honolulu and attempted to make a landing at the General Lyman field in Hilo but the field was soaked in, so they tried to reach Upolu Point field, but, due to limited gas supply, they were forced down in the park with a 20 minute supply of gas left. No injury or damage was suffered in landing and the plane was parked beside the road and anchored by Foreman Quick, pending removal. The Dietrich girls are warm friends of long standing of Col. John R. White.

The citizens of Oahu recently challenged "Uncle George" Lycurgus' claim as champion cribbage player in the Territory. Accordingly, a tournament was organized in Honolulu which was participated in by some 140 players representative of the island of Oahu. The finals came to the park to play off the semi-final game, the winner of which (Mr. Wayne E. Hirtsa) met "Uncle George" on Sunday, August 29, at the Volcano House and with little difficulty "Uncle George" firmly established his claim by soundly defeating the Oahu champion in three games out of four.

Important Visitors

Governor Stainback
Delegato Joe Farrington
Mr. Charles A. Ritchie
Mr. Walter Dillingham, Honolulu

Mr. Ray Baker, Photographer, Honolulu
Supervisor Nick Teves, Honolulu
Mr. & Mrs. Jack Barnard, San Francisco



"Impenetrable jungle" between Hawaii National Park
and Kulani Prison



Small plane forced down by fuel shortage which landed
on road near Uwekahuna Bluff



Use of clamshell to replace rocks over new seismo-
graph cellar near Uwekahuna



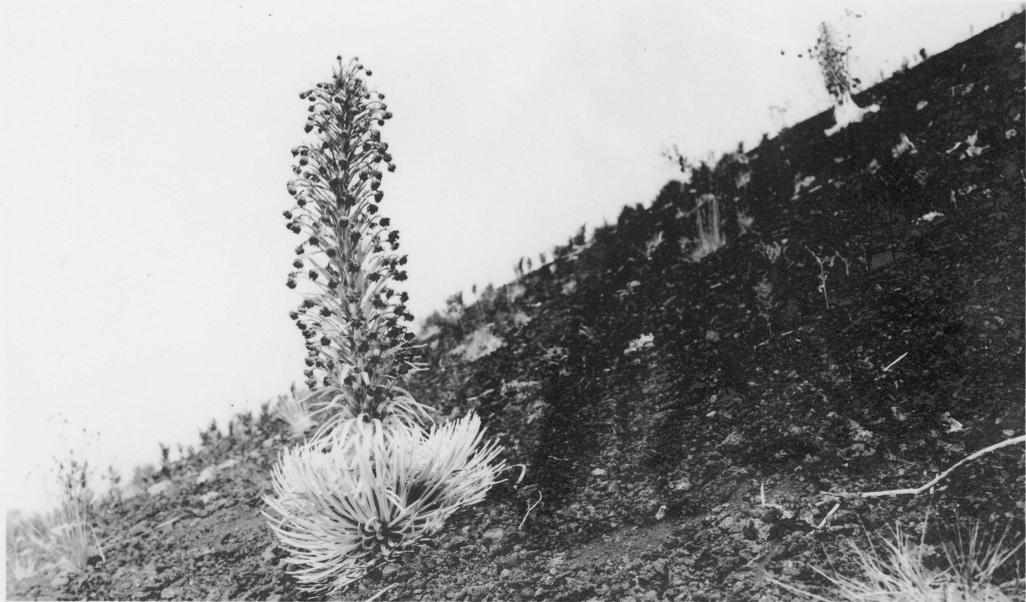
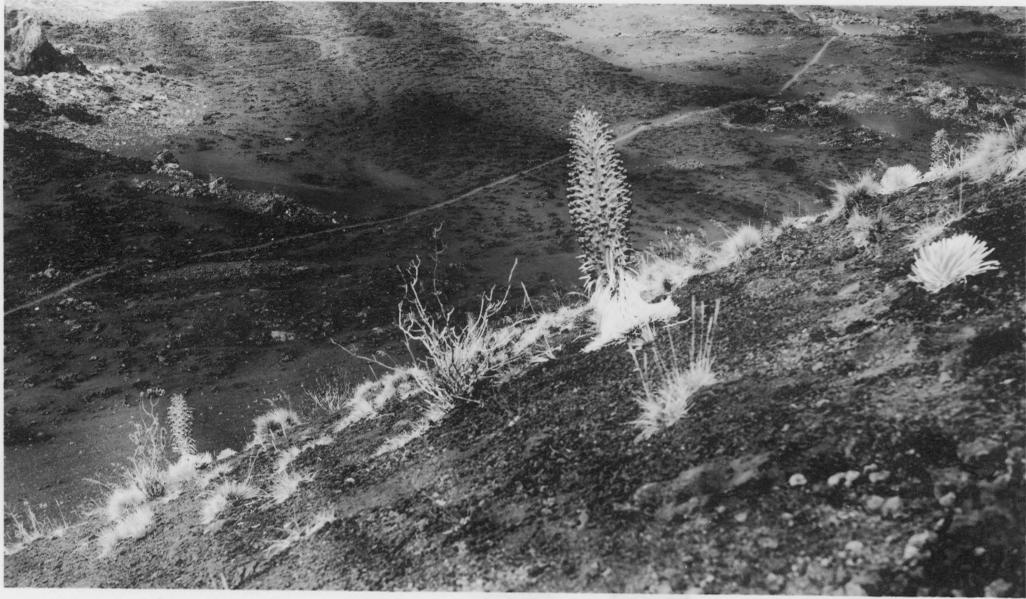
Spraying bitumal on roof of new seismograph cellar



Ranger V. R. Bender, Jr. holding ohelo bushes and berries destroyed in park. A conviction was obtained.



"Uncle George" Lycurgus, Volcano House concessioner playing championship cribbage game with Wayne E. Hintsa, Oahu champion. Uncle George won.



2 views of silverswords on Puu Nole cinder cone. This has been a boom season for silversword blooming.



Silverswords in Haleakala Crater at Ka Moa O Pele



East slope of Puu Naue



This tree is the only living representative of the species H. giffardianus. It was propagated from a tree which grew in Bird Park in 1926 and is located in an enclosure against grazing on the Bishop Estate, near the Park boundary.

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

September 7, 1948.

MEMORANDUM for the Superintendent.

As per your request by radio on September 6, 1948, please find enclosed the eight (8) negatives for the pictures used by this Section in the Monthly Narrative Report for August respectively submitted to your office.

Antone B. Medeiros
Antone B. Medeiros,
Acting District Ranger.



*Note to Mac
copy calculations
him on report sheet.*

JH

9-5-48

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

August 31, 1948.

MEMORANDUM for the Superintendent.

The Monthly Narrative Report for August, 1948 is respectfully submitted.

Weather Conditions.

The weather during this month has been cloudy for approximately two thirds of the time although the maximum temperature will average slightly higher than that of July. The driving winds have been mostly trade. From comments made by local visitors, the vegetation on Haleakala is looking better now than it has for many years.

Maximum temperature ----- 77 degrees on the 12th.
Minimum temperature ----- 41 degrees on the 29th.
Total precipitation ----- 2.97 inches.
Clear days ----- 9.
Partly cloudy days ----- 14.
Cloudy days ----- 8.

Inspections.

This Section of the Park was visited on the fifth of the month by Superintendent F. R. Oberhansley, stopping on Maui while enroute to Hawaii from the Island of Lanai. Mrs. Oberhansley accompanied the Superintendent on this trip which was her first visit to Maui in the past year. While on Lanai they were the guests of Dr. and Mrs. Rippon.

Chief Ranger F. A. Hjort visited this Section to supervise the installation of a two-way radio unit that is now in use between the two Sections of the Park. Mr. Hjort arranged to have Mr. Harold Marks, chief engineer for KIPA, a standard radio broadcasting station in Hilo, Hawaii, to meet him here and assist with the installation. Mr. Marks was with us for four days. During his eight day visit Mr. Hjort made an inspection trip into the Crater, and also accounted for the destruction of twenty two goats. Mrs. Hjort and daughter Anne accompanied the Chief Ranger, this being their first return trip to Maui since departing for the Kilauea-Mauna Loa Section two years ago this coming month.

General Complaints.

Guests of the Haleakala Mountain Lodge have complained that the Tour Agencies did not explain the Lodge had the facilities to offer guided horse-back trips into the Crater though they had asked what there was to do for entertainment on Haleakala.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

HAWAII

HALEAKALA SECTION

August 31, 1948.

Maintenance.

The road maintenance roller has been placed back into operation and some patching has been done on the Haleakala Road. Small dirt and rock slides have been moved from cuts to the shoulders. Attention was given to the Halemau-u Trail following 1.95 inches of precipitation on August 16, 1948. The washing was not as bad as we expected to find but this portion of the trail will continue to require constant repairs. A six by eight foot radio shack was erected in the Haleakala Mountain Lodge area. Five, eighty to ninety foot antenna poles were removed from this same area creating a great improvement in the appearance of the Lodge. Please see attached pictures.

Approaches to Park Areas.

The Territorial Highway Department did some patching on the Haleakala Ranch Road the first week of August.

Concessioners.

Receipts for lodgings and meals at the Haleakala Mountain Lodge for this month will about equal those of July, however, there has been approximately a 40% decrease in crater trips.

Several guests have arrived at the Lodge expecting to purchase gasoline because the new Park brochure states it is sold by the Lodge. One trip was missed to the summit due to the lack of gasoline.

Cooperating Governmental Agencies.

The Army Air Force removed the diesel driven generator unit from the Kolekole Station on August 17, 1948. This was the last piece of equipment on this location. This Station is now a shambles with one building partly torn down for the removal of the generator, and the remaining buildings have been left unlocked.

The Army Signal Corps Station on Red Hill continues to be an eyesore. All radio equipment has been removed from this site. There is one $1\frac{1}{2}$ KW Le Roi diesel generator, and the possibility of another generator in a power house that is locked. We do not think the latter generator has been removed.

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HAWAII
HALEAKALA SECTION

August 31, 1948.

The Army Air Forces 4th Reporting Unit of the 617th Aircraft and Warning Squadron, moved from Kailua, Maui, to Oahu on August 25, 1948. This leaves the Navy Crash Boat located at the Kihei dock, the U. S. Army Recruiting Station at Wailuku, and the U. S. National Guard at Wailuku.

Interpretive Services.

Informal talks have been held with five hundred and seventy one Park visitors during six sunrise patrols to the Observation Station. Warden Mc Call has shown 35 MM Kodachrome slides to two hundred and ninety eight guests of the Haleakala Mountain Lodge. The pictures are arranged in sequence and depict a trip by horseback from the Lodge to the East end of the Crater and the return. Mc Call has been asked by the Wailuku Union Church Ladies Aid to show these pictures and give an informal talk at one of their meetings in December.

Research and Observation.

Checking back through the District Ranger's Monthly Narrative Reports this year appears to be a "boom" season for silversword blooming. It is quite scattered and there must be between one and two hundred blooms throughout the Crater. Please see attached pictures. The silversword enclosure near the Rest House now offers a beautiful sight to the visitor since the plants are fairly large and three are in bloom. Many small silverswords can be found along the Haleakala Summit Approach Road.

The Golden Plover has again returned to Haleakala.

Increase or Decrease in Travel.

Irregardless of the many cloudy days we have had during August, travel has held it's own with a 2% increase over the figures for July. Fifteen hundred and sixty one park visitors signed the summit register.

Public Relations.

Lt. Mc Laughlin, executive officer, and Lt. Hayler, skipper of the LST-859 running between Hilo and Honolulu, had dinner with Mc Call at the Lodge about the middle of the month. Skipper Hayler said his ship was scheduled for drydock for the next two months, and that Lt. Meyer would be the skipper of LST-857 that would make his run between the Islands.

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

HAWAII
HALEAKALA SECTION

August 31, 1948.

Ranger Service.

Ranger time has been spent on the following duties: patrol and public contacts; goat control; shoeing government-owned livestock; minor shop work; installing 1.5 KW generator in power house; digging trash pit; installing two-way radio unit and building shack to house same; cutting down antenna poles and splitting into fence posts; repairing roller transmission; and moving last of straw from CCC messhall in the Utility Area and general cleaning up.

There was total of ninety animal days spent in the Crater; twenty five for the Park, and sixty five for the Lodge.

Control of Exotic Animals.

With District Ranger Hartesveldt on leave this month, our efforts toward goat annihilation have necessarily been curtailed. A drive was held on the Leleiwi and Kalahaku Cliffs on August 29, 1948 and sixty eight goats were destroyed. This drive was covered by a separate report to the Chief Ranger.

A total of one hundred and twenty five goats and four mongoose were destroyed during the month.

One pig and forty three goats were destroyed in adjoining Territorial Forest Reserves by hunters that were permitted to pass through the Park with guns after securing a permit from this office.

Joe V. Marciel, Jr. of Makawao, Maui, accompanied Ranger Medeiros on goat control this month.

Building Fire Protection.

The monthly building fire hazzard inspection of the Haleakala Mountain Lodge was made and conditions were found to be satisfactory, however, the Management was again asked to display small signs in rooms and other prominent places to inform guests on what to do in case of fire.

While looking for building materials on August 23, in the Army Communications bomb shelter, located across the street from the Lodge's kitchen door, Pszyk and McCall found the inside wall of the large main room had fallen to the floor. The fuses were removed from the switch box, and the steel entrance door has been blocked off to prevent guests and children from wandering into the shelter.

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HAWAII NATIONAL PARK
HAWAII
HALEAKALA SECTION

August 31, 1948.

Three of our government-owned vehicles are still without the required one quart fire extinguishers. District Ranger Hartesveldt requisitioned these extinguishers the first week in June, 1948.

Public Health.

The Territorial Public Health Officer has been contacted and his office has offered to make an unofficial inspection of our water system. He will also check the Lodge's water supply. Our water supply has not been tested for many years and since we have a number of tanks, including those serving the Crater Cabins, that furnish water to the public, it is believed chlorine should be used to protect the United States Government in the advent of a possible law suit.

Antone B. Medeiros

Antone B. Medeiros,
Acting District Ranger.

UNITED STATES
DEPARTMENT OF THE INTERIOR

HALEAKALA SECTION

NATIONAL PARK SERVICE

August 31, 1948.

HAWAII NATIONAL PARK

HAWAII



Approach to Haleakala Mountain Lodge from Park Entrance - with poles.



- without poles.

UNITED STATES
DEPARTMENT OF THE INTERIOR

HALEAKALA SECTION

NATIONAL PARK SERVICE

August 31, 1948.

HAWAII NATIONAL PARK

HAWAII



Silverswords on West slope of Ka Moa O Pele.



A different view of Ka Moa O Pele.

UNITED STATES
DEPARTMENT OF THE INTERIOR

HALEAKALA SECTION NATIONAL PARK SERVICE August 31, 1948.

HAWAII NATIONAL PARK
HAWAII



Silverswords on Puu Nole cinder cone.



And on Ka Moa O Pele.

UNITED STATES
DEPARTMENT OF THE INTERIOR

HALEAKALA SECTION NATIONAL PARK SERVICE August 31, 1948.

HAWAII NATIONAL PARK

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Silverswords on the East slope of Puu Naue.



And on the cinder cone Puu Nole.

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

September 1, 1948

MEMORANDUM for the Superintendent.

Subject: Narrative Report for August 1948, of Assistant to Superintendent and Acting Engineer Benjamin F. Moomaw, Jr.

General

This month was devoted almost entirely to preparation of estimates to be submitted to the budget for inclusion in the 1950 Fiscal Year Appropriation Bills.

4th-9th. Revision of the 1949 Roads and Trail Estimate for resubmission for 1950 Fiscal Year. This estimate was completed and mailed on the 16th.

10th-24th. Prepared and completed Final A.P. & M. 1950 Fiscal Year Estimate, this estimate was mailed on the 25th. This job was delayed about three days due to a attack of "Old Fashioned la Grippe" suffered by the undersigned.

17th-noon 19th. Sick leave.

26th-27th. Assisted Chief Ranger Hjort prepare the FP & FP estimates, this was completed and mailed on the 28th in order to meet the September 1 dead line in Washington. This was Mr. Hjort's first estimate experience since being in the Park Service and we believe that he did a very creditable job on his justifications.

Special Activities

2nd. To Hilo with General Foreman Quick to investigate the possibility of securing a new water pump for the CCC Camp area. All commercial agencies as well as all surplus and salvage yards were covered without success.

25th. To Hilo to receive Selective Service System instructions and take oath as Registrar for the Volcano District of Local Board #11, Territory of Hawaii in order to serve this area during National Registration between August 30 to September 18.

30th. Set up shop in my office in order to begin registration for the Draft.

Inspections

5th. Hilina Pali Area - General conditions and road inspection.

23rd. Kau Desert area down to vicinity of Pit Craters and Fault Scarps between Pit Craters and Puu Ohale in search of a suitable gravel and sand supply for top dressing the Hilina Pali road.

24th. Kipuka Nene to Hilina Pali area for same reason as for the day before. General Foreman Quick accompanied me on this and the above trip.

There is ample quantity of road material in the washes of the desert (1924 explosive eruption ash) but the cost of hauling would be excessive and construction of an access road is definitely inadvisable, slight realignment of the proposed location near the lower end will cross near an old rotten Aa flow that we believe will furnish suitable material for this surfacing.

Plans, Maps and Surveys

New PCP Job sheet for completion of Hilina Pali auto trail and revised Minor Roads Priority List were prepared and submitted.

New Construction

As time permitted, the draft of Water System Rehabilitation Report was edited and proof read, and photos selected and titled. Final typing and finished photographic plates are at hand at this writing. Drafting room work will be completed by September 1st.

Interpretative Service

Four regular lectures were given for the Naturalist while he was off duty or had other important work conflicting with daily schedule.

Police Protection

Assisted the Park Staff and F.B.I. Special Agent Erig when and as necessary following discovery of the attempted robbery of Headquarters building during the evening of August 13th. Most of the week-end of 14-15 was spent on this case. The undersigned sincerely believes this to be an "inside-job" or at least a "semi-inside-job" and the culprit may be "running with the hare and barking with the hounds."

Public Health

The water system was chlorinated three times by the undersigned during the month while the General Foreman was absent on leave or business. This was done while the pumps were operating.

Next Month

Complete and submit Water System Report and catch up on routine Administrative and Engineering duties postponed while compiling the estimates.

*Continue Selective Service Registration until
Sept. 18.*

Benjamin F. Moomaw, Jr.
Benjamin F. Moomaw, Jr.,
Asst. to Superintendent.

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

September 7, 1948

MEMORANDUM for the Superintendent.

Subject: General Foreman's Monthly Report.

201

1. Hauled miscellaneous building materials from KMO.
2. Started construction of chimney for heating system - Superintendent's quarters.

202

1. Removed wheels from Galion roller and sent them to town to have new tires shrunk on them.
2. Cut and removed grass on the following road shoulders. Chain of Craters, Rim Road, Uwākahuna, Bird Park and Section A & B, Mamalahoa Highway.
3. Installed new spring on crushing plant and put into operation.
4. Patched raveled edges and dressed shoulders Section 3-C Mamalahoa Highway.

206.

1. Cut grass along Bird Park trail.

207

1. Cut lawns at headquarters building, quarters 27-1, 27-2, quarters #17.
2. Cut grass in public picnic areas.

212

1. Routine pumping water from park reservoir and CCC.

214

1. Hauled wood to public camp grounds at Nama Kani Pai and old Summer Camp.

217. Routine servicing or repairing of passenger carrying vehicles.

218

1. Routine janitor services.
2. Public camp ground cleanup and servicing of rest rooms.
3. Roadside cleanup.

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287

1. Routine garbage disposal and fuel oil delivery.
2. Laid linoleum - quarters #21.
3. Completed interior painting - Quarters #21.
4. Installed electric clock on stove - quarters #17.

301 The following work was done for the Geological Survey:

1. Painted interior and exterior of building.
2. Constructed forms and poured concrete seismograph cellar.
3. Removed forms and backfilled.
4. Completed plumbing, built shelving, and hung door generator house.
5. Cleaned up around building.

Vehicle mileage for month—all vehicles (Kilauea Section)	8,114 mi.
Total number of trips to Hilo	22
	1,877 mi.

As the report from Maui had not arrived at this writing it is not incorporated.

Miscellaneous

35½ days of annual leave were granted during month. 1 day sick leave.

The undersigned spent 2 days in Honolulu trying to obtain crusher parts and other gear.

Shop activities were routine in nature.

Herbert J. Quick,
General Foreman.

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

September 9, 1948

MEMORANDUM for the Superintendent Frank R. Oberhansley.

The following report of the ranger division for the month of August 1948 is respectfully submitted:

Weather Conditions

Exceptionally good weather this month especially on week ends has given the visitors an enjoyable time in the park. The grasslands are becoming quite dry in the Hilina Pali area. Mauna Loa grasslands seem to be a little greener.

Maintenance

Work on telephone lines was reduced to almost nothing as all phones were working throughout the entire month. Some work was done on both traffic and trail signs.

Concessioner

Under Davis' and Bender's supervision a fine piece of work was accomplished in front of the Volcano House when most of the exotic flowers were removed and native painiu (*Astelia veratroides*) planted along the car parking curb.

Along with this program the above mentioned men gathered, planted, and germinated several thousand koa (*Acacia koa*) seeds which will be used both at the Volcano House and Kilauea Military Camp to replace exotic species. Nick Lycurgus and Colonel Thornburg have both been cooperative in this project.

Interpretive Service

On the 27 the Chief Ranger gave two showings of the 1942 eruption picture to 120 people including all the musicians in the Municipal Symphony Orchestra of Manila. This group was also contacted at the Thurston Lava Tube and shown through.

Davis showed the movies to 40 people also.

Watches were kept at Thurston Lava Tube on Sundays many people were conducted through and otherwise helped by Bender and the Chief Ranger.

Bender showed eruption movies to a Morris Tour group on the 6th and 24th. Total of 47 people attended.

Photography

Research and Observation

Bender established six permanent photographic stations on the slopes of Mauna Loa which are to be used to help in the recording of the progress of the koa reproduction where the cattle were removed.

Investigations of new park areas or boundary changes. Work was started on locating the boundary on our north and east with an eye to see how closely hemmed in we are, how much building is going on and other problems connected with this.

Increase or decrease in travel. Travel has begun to slack off a slight amount although it was showing signs of becoming quite heavy on the last of the month, due undoubtedly to the last minute rush to go somewhere before school starts.

Visitors

Mr. J. W. Balock, Entomologist in Charge, Fruit Fly Laboratory, Honolulu and Dr. Baker, Chief of the Fruit Fly Division, Washington, D.C. were shown around the park on the 16th by Davis. Some time was spent in seeing and discussing the ohia die back problem.

Mr. and Mrs. Wheat, personal friends of Director Drury and Mr. Kittredge were shown the eruption movies at an odd hour by Bender since their schedule did not allow them to be here during the regular showing.

Ranger Service

Davis left the park to take up his duties with the Territory on the 31st.

Police Protection

Work continues on the theft case involving the entry into the lower story of the Administration Building and the gun room. Every possible lead is being followed by the FBI, local police and the Chief Ranger. So far results have been discouraging.

Jack Kitagawa of Hilo was taken before Commissioner Harry Irwin on August 26 by Chief Ranger and fined \$10.00 for speeding in the 25 mile zone.

Many minor traffic violators were warned.

Exotic Animal Control

213 goats were destroyed or removed. 8 pigs were also destroyed in the park.

Forest Fire Protection

A trip was made to the grasslands around Hilina Pali and up the slopes of Mauna Loa to determine the fire hazards. Neither place was dry enough to close to the public.

Building Fire Protection

Seven Soda Acid and four CO₂ fire extinguishers were painted and tested.

The fire engine received repairs to faulty ^{brakes} breaks and a spare tire was also installed.

Accidents

Melicio Jose of Keauhou Ranch left the road in a sedan near our rock crusher and overturned the car. This is covered by a separate report.

Miscellaneous

✓ A trip was made to the rare and only existing Hibiscadelphus giffardianus tree on Keauhou Ranch land north of here by the Superintendent and the Chief Ranger. The tree was found to be in excellent condition and about 12 ft. tall, 11 inches in cir. 18 in. above the ground, and with 3 buds and 1 flower on the 26th of the month.

✓ Two trips were also made by the Chief Ranger to Keaweawai an outpost of Keauhou Ranch about 9 miles north of here and less than 3 miles due west of Kulani Prison Camp. On one trip accompanied by Hubbard some exploring was done to determine how dense the jungle is around the prison.

✓ It was discovered that the Kilauea Forest Reserve boundary fence runs less than a mile from the prison. This fence runs from north and west of the camp on past it and down to the National Park so all a prisoner would have to do upon escaping would be to leave camp in a westerly direction and travel until he hit this fence then go down the fence until he came out in the National Park. There are also paddock fences joining this fence which lead to the Puu Oo trail and to Keaweawai itself. Since a path goes down both sides of all fences and the Puu Oo trail is well marked and cut out it is an easy thing for any escaped prisoner to find his way out of Kulani.

Radio
Two way radio communication between Haleakala Section and headquarters was set up this month. Hubbard handled the installation on this end while the Chief Ranger went to Maui to put that set into operation.

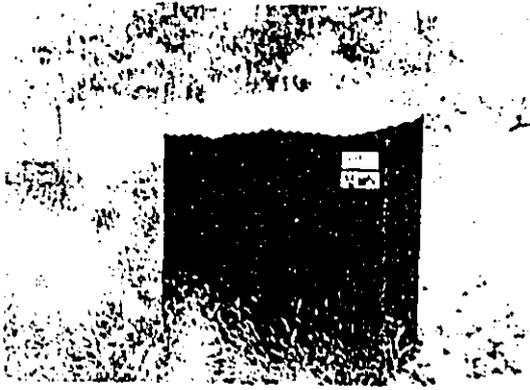
At first reception was poor but upon changing from a vertical to a horizontal antenna of the half wave length variety the reception on both ends is all that could be asked for as we can talk without distortion at any time of the day.

This means of communication will eliminate a great deal of paper work as well as speed up routine handling of weather reports, time data and many other items.

Sheet

Frank A. Hjort
Frank A. Hjort,
Chief Ranger.

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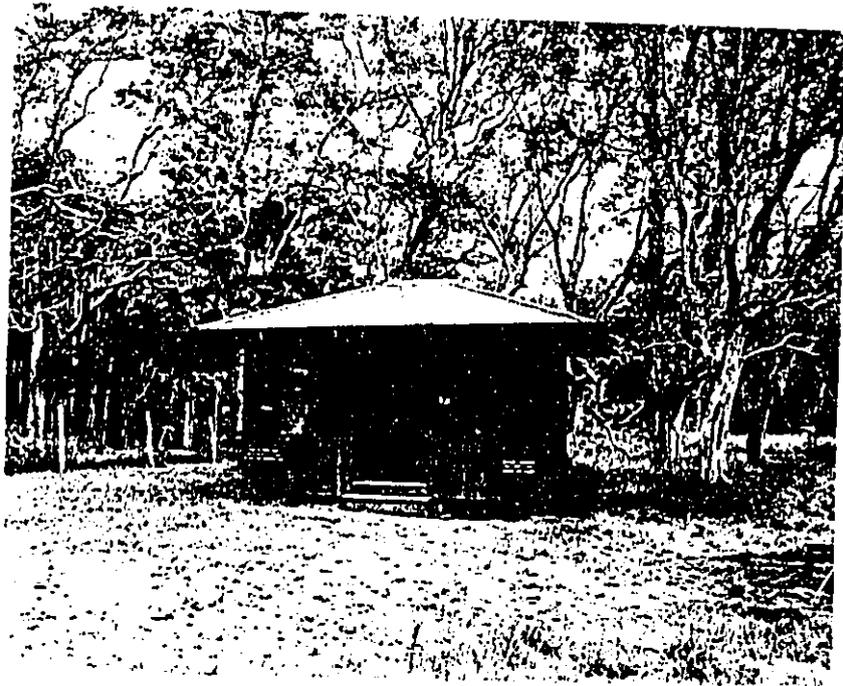


Signs on toilet and incinerator
at Bird Park picnic grounds have
been removed.



These two signs have also
been removed.

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Notice neat appearance of new signs at
Bird Park



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**Before and after landscaping
Volcano House**



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

August 30, 1948.

MEMORANDUM for the Superintendent. (Attention Park General Foreman)

The following is the Haleakala Section Monthly Work Report for August, 1948.

Several hours were spent dismantling and cleaning the road sprayer. (No Interior license has been assigned to this piece of equipment.) The usual amount of time was spent on the routine service jobs to all vehicles. The maintenance road roller (no Interior license has been assigned to this piece of gas powered equipment) was placed back into operation after repairs were made to the transmission. While we had this unit in the shop it was lubricated and the brakes and clutch were adjusted.

The Haleakala Road received the major attention for the first two weeks of this month. Dirt and rock slides were removed from the cuts to the shoulders by wheelbarrows. Some patching has been done on this road beginning from the Park Entrance and working steadily toward the summit. Pszyk is handling the patching in this manner to save on long hauls for materials and frequent long moves with the road equipment, thus cutting expenses.

The 1.5 KW gas driven generator has been moved into the power house and is now ready for emergency use. The exhaust is to be connected to a pipe outlet already installed in the floor of the building that was used in the past by the air compressor driving motor. This will eliminate the dangerous carbon monoxide gas inside the building.

A new general trash pit has been dug in the same area that has been used in the past few years. The new pit is located where it cannot be seen from the Park Entrance as the visitor comes around Puu Nianiau, or from the Haleakala Summit Approach Road. The ugly scars made by the old Army pits have been covered with dirt and the area cleaned up in general.

Three days were spent on the Halemau-u Trail following 1.95 inches of precipitation on August 16, 1948. The washing was not as bad as we expected to find. The portion of this trail down the Leleiwi Cliff will continue to require constant attention.

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

August 30, 1948.

MEMORANDUM for the Superintendent. (Attention Park General Foreman)

A six by eight foot radio shack was erected in the Haleakala Mountain Lodge area. It cannot be seen from the dinning room or the main guests quarters since it is behind the servants quarters. If approved by your office, the shack used by the Army as a paint shed will be torn down to compensate for the new addition. And the materials will be stored for future use. This building is in view of the dinning room.

Five, sixty to eighty foot antenna poles were cut down in the same area which resulted in a great improvement in the appearance of the Lodge. Several of these poles have been cut and split into fence posts.

Six working days were lost by Laborers Henry Freitas and David Freitas. The latter was laid off as of August 27, 1948 at the close of the day.

Respectfully submitted,

Antone B. Medeiros

Antone B. Medeiros,
Acting District Ranger.

10-23
(May 1920)
6-7410

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

FILE NO.

SUPERINTENDENT'S NARRATIVE REPORT

JULY, 1948

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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HAWAII

August 10, 1948.

Summary of July 1948 4-page Narrative Report for
Hawaii National Park

Weather Conditions, p. 1. - Maximum and minimum temperatures at Kilauea headquarters 80° and 50°. At Haleakala ranger station 78° and 40°. Total rainfall at Kilauea 5.80" and at Haleakala 2.58".

Special Activities of Supt. p. 1. - Conferred with group of people from Hilo and adjacent 29 Mile district who strongly oppose the Governor's plan to enlarge Kulani prison. With Editor Blickhahn of Hilo Tribune-Herald inspected the Hilina Pali section to get photos and material for several articles and editorial which were subsequently published in Hilo Tribune-Herald and Honolulu Star-Bulletin stressing need to complete acquisition of lands in Kalapana Division. Various other conferences were held on mutual problems with KMC and Mr. Colin Lennox of the Territorial Board of Forestry and Agriculture. Gave a talk before Hilo Rotary on park planning and development and program for visitors.

Research & Observation, p. 2. - 41 earthquakes recorded during month, six of them being perceptible.

Ranger Service, p. 2. - Ranger Clifton J. Davis submitted his resignation July 31 to accept a position as Entomologist and Plant Inspector, P-3, with the Territorial Board of Forestry and Agriculture.

Police Protection, p. 2. - Five cases of speeding were brought before the U. S. Commissioner and each fined from \$10 to \$20.

Exotic Animal Control, p. 2. - 192 goats were removed from Kilauea section during July and 131 from Haleakala section. Since grazing was abolished on the Mauna Loa strip June 10, 1948, a remarkable recovery of koa is evident already, with new plants sprouting up to 30 inches in height.

Maintenance, p. 3. - Considerable road work was carried on by maintenance dept. and in addition to its regular routine accomplished quite a lot of work for the U. S. Geological Survey which is being done by this park on a reimbursable basis in connection with rehabilitating the old Uwakahuna building for their occupancy.

Travel, p. 3. - Total visitors to Kilauea in July 34,873 and at Haleakala 3,621.

Visitors, as listed on page 3

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

August 10, 1948.

MEMORANDUM for the Director.

The following is report of activities in Hawaii National Park for the month of July, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 80° and 50°. At Haleakala ranger station 72° and 40°. Total rainfall at Kilauea 5.80" and at Haleakala 2.58".

Special Activities of Superintendent

On July 2 the Superintendent conferred with a group of people from Hilo and the 29 Mile district adjacent to the park who are strongly opposed to the Governor's plan to enlarge Kulani prison. July 3 inspected the Hilina Pali section by jeep with Editor Harry Blickhahn of the Hilo paper to secure photos and material for several articles and editorial which were published in the Hilo-Tribune Herald and Honolulu Star-Bulletin later in the month, stressing the need to complete the acquisition of lands in the Kalapana Extension. July 4 sat in reviewing stand with other officials to review large colorful parade in Hilo. July 9 conferred with Clem Akina, Chairman of County Board of Supervisors, regarding park plans and protection policies and why we cannot supply the county with cinders for county roads. Visited with Stewart Fern of Hawaii Visitors Bureau and discussed their policy of stimulating travel to Maui and Hawaii. July 11 visited with Vice-Consul and officers of Philippine Island navy training vessels on their visit to the park. July 12-15 discussed mutual personnel problems with Commanding Officer of K.M.C. July 14 conducted Mr. Kinsuki Horinouchi, former Japanese ambassador to the United States, and presently of the Foreign Office in Tokyo, and party of about 12 about the park. July 16 discussed mutual problems with Mr. Colin Lannox, Chairman of Territorial Board of Forestry and Agriculture, and conferred with Mr. Carl Carlsmith on the Kulani prison problem. July 19 conducted Mr. Gavin Astor and Lady Astor, the son and daughter-in-law of John Jacob Astor of the London Times, about the park and to Black Sands Beach and Kalapana. July 23 spoke before the Hilo Rotary Club on park planning and development and program for visitors. Conferred with Hilo Chief of Police Paul and others opposed to Kulani prison. July 24 selected photo stations, with members of staff, to study koa comeback on Mauna Ioa following elimination of grazing. A remarkable recovery of koa is evident since cattle were removed June 1, with new plants sprouting up to 30 inches in height.

RECEIVED AS FOLLOWS

Research and Observation

A total of 41 earthquakes was recorded on the Observatory seismograph during July, 37 of which were recorded at Mauna Loa and 19 at Kilauea. Six of the seven quakes recorded on July 30 were perceptible. They originated at a depth of about six miles to the east of Kilauea crater. These quakes furnish the most conspicuous signs of uneasiness under Kilauea that have been noted during the last two or three years. If the quakes are followed by similar ones with a decrease in depth of foci or a rapid northeast tilt, the evidence of uneasiness at Kilauea will be more positive.

Ranger Service

Ranger Clifton J. Davis submitted his resignation on the 31st to become effective September 1. He has accepted a P-3 Entomologist position with the Territorial Department of Forestry and Agriculture.

Ranger James C. Lindsay and family left on the 28th for an extended vacation on the mainland.

Chief Ranger Hjort was interviewed on radio station KIPA of Hilo for fifteen minutes on the "Meet the People" program the evening of July 28. Several pertinent questions were put on park subjects not too clear to some island folks, relating to jurisdiction in the national park, speed limits, etc.

Police Protection

Five cases of speeding inside the park limits were taken before the United States Commissioner and each fined from \$10 to \$20.

Several reprimands were administered to visitors for breaking plants when picking ohelo berries and in one case for breaking fern stipes.

Building Fire Protection

All hose on the fire truck was tested, dried and rearranged this month. Minor improvements were made to the fire truck house. The fire engine was run outside in the sun several times in order to cut down mildew on the fire hose.

Forest Fire Protection

In spite of weather rather dry for Kilauea the grasslands are not dry enough to be a dangerous fire hazard due to occasional heavy showers throughout the month. The rain forest is still too wet to burn.

Exotic Animal Control

By drives 192 goats were removed from the Kilauea section during July. At Haleakala section 131 goats were destroyed. In addition to the goats destroyed by the park at Haleakala, the Territory also destroyed over 150 as reported by Territorial Forester Walter Holt in the lands immediately adjoining the park there.

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Maintenance

Additional patching of raveled edges and reshaping of shoulders on the Mamalahoa Highway were carried on, as well as minor patching of Chain of Craters road. An additional 2,000 feet of road were surfaced and realigned on the Hilina Pali truck trail. The following work was carried on for the U.S. Geological Survey:

1. Started excavation of seismograph cellar
2. Hauled materials from Hilo
3. Constructed work bench with 36 drawers
4. Rebuilt and installed windows
5. Wired interior of building
6. Roughed in plumbing and poured concrete cover on cesspool
7. Completed placing canvas, hanging doors and finishing trim

The usual routine jobs were performed and a radio antenna was erected at the old chemical laboratory and radio installed for the inter-island communication system, and testing will be accomplished early next month.

Plans, Maps and Surveys

Completed calculations of the survey of the new headquarters site at Haleakala that was run in June. The plot tentatively selected covers an area of 29.5 acres.

Meetings

Two staff meetings were held during the month and one meeting of the park safety committee.

Travel

Travel to the Kilanea section was up considerably in July owing to good weather prevailing throughout the month. A total of 34,873 visited the park in July as against 25,948 in June. At Haleakala travel increased some 60% over the preceding month, visitors being 3,621 in July. 1610 people signed the summit register.

Visitors

Mr. Kinsuki Horinouchi, former Japanese ambassador to the U.S., and party of 12.
Mr. and Mrs. Walt Disney and two daughters
Mr. Gavin Astor and Lady Irene Astor of the London Times, England
Major General Paul Mueller, Gen. MacArthur's Chief of Staff
Major Gen. B. L. Firebaugh, C. O. at Schofield Barracks, Oahu
Ralph E. Corey, Chief, Public Interest Branch, War Assets Adm., Honolulu

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Personnel

July 6 - 19 Foreman Quick on annual leave
June 21-July 27 Ranger Davis on annual leave
July 28 Ranger Lindsay left for extended leave on mainland
July 29 Chief Clark Kim submitted his resignation to become
effective at close of August 21
July 31 Ranger Clifton J. Davis submitted resignation, effective
Sept. 1, to accept a P-3 Entomologist position with
the Territorial Board of Forestry and Agriculture.

The first wedding on record of a park ranger to take place in the park occurred on the evening of July 9 when Ranger Vernon Ross Bender and Miss Josephine Marie Klar, of Yakima, Wash., were married. The ceremony took place in the Kilauea Military Camp chapel and was followed by a reception at the Superintendent's residence.

F. R. OBERHANSLEY

Frank R. Oberhansley,
Superintendent.



Minor road repairs across drainage channel and lava flow along Hilina Pali road which eliminates rough 1/2 mile detour. Section smoothed and finished since photo.



Grouted crossing of drainage channel initiated under CCC now complete.



General view of Koa area where photo station is to be installed. Numerous root sprouts cover the area.



Decadent old Koa and vigorous young trees severely "cow lined". Former Naturalist Doerr's original study enclosure permitted these new growths.



Illustrating average growth of Koa since cattle were removed June 1 to July 24 (date of photo). New growths observed 30" in height.

-All photos by Oberhansley

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



July 30, 1948

Memorandum to the Superintendent

Subject: Haleakala Section Monthly Narrative Report for July, 1948

Weather Conditions

The weather has been about equally good and bad. The clear days in the Crater have been perfect.

Maximum temperature-----	72
Minimum temperature-----	40
Total Rainfall-----	2.58
Partly Cloudy Days-----	21
Cloudy Days-----	5
Clear Days-----	5

Maintenance

Work was done mostly on the trail and the road. The roller is completely broken down and will run only in one direction. Some raveled edges were patched near the top. The remainder of the time was spent working with wheel barrows on slopes and shoulders. Laborer Adrian Dudoit was laid off on Friday, July 23.

Concessioner

Business has been good again this month although not as good as last month. The management has been having considerable trouble with Inter-Island Tours. Several people have complained that it was very difficult to get routed to Haleakala by Inter-Island and that they were being routed to Hana instead. It is reported that people are being told that facilities are bad and inadequate at the Lodge.

Travel Status

Travel has increased about 70% over last month despite clouds and rain. Crater travel was particularly heavy. 1,610 people signed the summit visitor register book.

Ranger Service

Ranger time was spent largely on goat control. A great number of people were met at the top and in the Crater and a few illustrated talks were given at the Lodge by Warden Cliff McCall. The observation station, toilets, and road were cleaned many times because of the mess left by the numerous visitors. Some time was spent shoeing the animals, cleaning the administration area, hauling wood and kerosene into the Crater, and going to town for wood, mail, etc. A total of 145 animal days were spent in the Crater, of which 44 were Park and 101 were Lodge. Ranger R.J. Hartesveldt commenced five weeks of military and annual leave on July 30.

Building Fire Protection

The monthly fire hazzard inspection of the Haleakala Mountain Lodge was made and conditions were found satisfactory.

Public Health

The July monthly Public Health report for the Lodge was sent in and many of the listed faults have been corrected.

Destruction of Exotic Animals

During July, 131 goats were destroyed. A drive on Hanakauhi with eighteen men was not very successful because of rain. Only forty-two goats were destroyed on that day. The continuous goat control program is paying off already as new mamani growth can be noted below the browse line from Mamafni Hill to Paliku. Large herds have been noted in Kaupo-Gap.

Richard J. Hartesveldt
Richard J. Hartesveldt,
Acting District Ranger.

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

August 3, 1948.

MEMORANDUM for the Superintendent.

Assistant to Supt's Narrative Report for July, 1948.

Special Activities

As most of the month was spent on varied routine duties, topics of special note follow in this and other headings.

9th - annual leave taken in order to take Mr. Ralph E. Corey of WAA, Honolulu, to Kona, on a deep-sea fishing and photographic trip. General Foreman Quick accompanied us on this trip and, in fact, we stayed in the cottage he was renting while we were on that side of the island. We in the park considered this opportunity a very small return of the courtesies extended by Mr. Corey as Chief of the Government Requirements Section in Honolulu WAA office. On several occasions he has called the park at his own expense via commercial radio-telephone when a good or desirable surplus item became available and thus made it possible for us to secure on priority many items this park and other parks would not have received otherwise.

Water System

Beginning on the 20th a start was made toward the writing of completion report on the water system rehabilitation project and at month's end original draft was in the hands of the typist.

Inspections

On 15th and 19th inspections were made of progress of repair work to Hilina Pali road.

On the 24th, in company with the superintendent, chief ranger, and other interested persons, inspection was made of the Mauna Loa strip to determine the amount of initial recovery of the Koa following termination of grazing.

Plans, Maps and Surveys

Completed calculations of the survey of the new headquarters site at Haleakala that was run in June. The plot tentatively selected covers an area of 29.5 acres.

Police Protection

On the 2nd administered a severe reprimand to four visitors apprehended by General Foreman Quick for breaking plants while picking ohelo berries along the roadside. These people were Mr. K. Kubo, Miss A. Kitamura, Miss E. Wasui, and Miss D. Shimoda. All but Miss Kitamura were from Honolulu and it was the first trip for any of them to the national park area. It is believed that they will not repeat this depredation.

On the 28th a stiff reprimand was administered by the undersigned and the superintendent jointly to a party of 8 people from Honolulu and a taxi driver from Hahala that were apprehended by Ranger Bender while breaking fern stipes in the Lava Tube area. We believe this reprimand was a good lesson in park education. Of the party, totalling 9 (names on record in this office) a ~~Miss~~ ^{MRS.} C. S. Kim of Honolulu was the only one who could read English, and all the others, including the taxi driver, spoke only a very broken "pidgin" English. For a while both the Superintendent and myself thought we would have to call in an interpreter.

Safety

On the 7th the Park Safety Committee met to consider and dispose of various matters that had accumulated.

On the 13th the undersigned sat in as member of KMC Safety Council to cover Army and Park joint problems of safety.

Visitors

On the 11th Mr. Ralph E. Corey, Chief, Government Requirements Section, WAA, Honolulu, visited the park. On the 22 and 25th Mr. and Mrs. E. S. Mollenhoff, Contractor, Honolulu, were visitors. Mr. Mollenhoff was formerly resident architect under the CCC in the park.

Next Month

Plan to complete water system report after preparing plans and photos to accompany report after final editing. In addition to the above, all free time is being held open in order to prepare A P & M and Roads & Trails estimates which are now past due with information not at hand here in order to do this job.


Benjamin F. Mendenhall, Jr.,
Assistant to Superintendent.

U S GEOLOGICAL SURVEY

Aug 4 1948

PRESS RELEASE

Hawaiian Volcano Observatory

R H. Finch

Volconologist

A total of 41 earthquakes were recorded on the Observatory seismographs during July. Thirty seven of these shakes were recorded at Mauna Loa and 19 at Kilauea.

Six of the seven earthquakes recorded on July 30 were perceptible. They originated at a depth of about six miles to the east of Kilauea Crater. These quakes furnish the most conspicuous signs of uneasiness under Kilauea that have been noted during the last two or three years. If the quakes are followed by similar ones with a decrease in depth of foci or a rapid northeast tilt the evidence of uneasiness at Kilauea will be more positive.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Haleakala Section

July 30, 1948

Memorandum to the Superintendent

Subject: Haleakala Section Monthly Narrative Report for July, 1948

Weather Conditions

The weather has been about equally good and bad. The clear days in the Crater have been perfect.

Maximum temperature-----	72
Minimum temperature-----	40
Total Rainfall-----	8.58
Partly Cloudy Days-----	21
Cloudy Days-----	5
Clear Days-----	5

Maintenance

Work was done mostly on the trail and the road. The roller is completely broken down and will run only in one direction. Some raveled edges were patched near the top. The remainder of the time was spent working with wheel barrows on slopes and shoulders. Laborer Adrian Dudoit was laid off on Friday, July 23.

Concessioner

Business has been good again this month although not as good as last month. The management has been having considerable trouble with Inter-Island Tours. Several people have complained that it was very difficult to get routed to Haleakala by Inter-Island and that they were being routed to Hana instead. It is reported that people are being told that facilities are bad and inadequate at the Lodge.

Travel Status

Travel has increased about 70% over last month despite clouds and rain. Crater travel was particularly heavy. 1,610 people signed the summit visitor register book.

Ranger Service

Ranger time was spent largely on goat control. A great number of people were met at the top and in the Crater and a few illustrated talks were given at the Lodge by Warden Cliff McCall. The observation station, toilets, and road were cleaned many times because of the mess left by the numerous visitors. Some time was spent shoeing the animals, cleaning the administration area, hauling wood and kerosene into the Crater, and going to town for wood, mail, etc. A total of 145 animal days were spent in the Crater, of which 44 were Park and 101 were Lodge. Ranger R.J. Hartsveldt commenced five weeks of military and annual leave on July 30.

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Building Fire Protection

The monthly fire hazzard inspection of the Haleakala Mountain Lodge was made and conditions were found satisfactory.

Public Health

The July monthly Public Health report for the Lodge was sent in and many of the listed faults have been corrected.

Destruction of Exotic Animals

During July, 131 goats were destroyed. A drive on Hanakouhi with eighteen men was not very successful because of rain. Only forty-two goats were destroyed on that day. The continuous goat control program is paying off already as new mesquite growth can be noted below the browse line from Manafni Hill to Paliki. Large herds have been noted in Kaupo Gap.

Richard J. Hartesveldt,
Acting District Ranger.

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192 2 Kil

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

August 3, 1948

MEMORANDUM for the Superintendent.

Report of ranger activities for July 1948.

Weather:

Good weather has been the rule for most of the month. Nothing unusual.

General Publicity

The Chief Ranger was interviewed on radio station KIPA of Hilo for fifteen minutes by Tom O'Brien on his "Meet the People" program. The broadcast was tape recorded and released at 7:30 PM. July 28. Several good questions were asked on subjects not too clear to some island folks. One, as to the jurisdiction in the National Park and the other as to why the speed limit is reduced through headquarters area. Mr. O'Brien was very cooperative in giving the opportunity to get on the air. It is hoped that the questions asked and the answers given have in some measure cleared up a point of question in the minds of people of this island.

Maintenance

Twelve signs were put out during the month.

Most of one day was spent in getting the air out of the water line to the CCC Camp area and in filling the tanks for domestic use in that area. One of the air vents in the line was broken and had to be replaced.

The heavy equipment broke several phone lines, one between headquarters and the water shed and two breaks on the road to Kipuka Nene. All were repaired and the line at the rock crusher which serves the Mauna Loa area was raised in order to prevent future breaks. The line to the crusher phone was relocated to avoid being torn down with heavy equipment and the field phone in a locked building was replaced with a wall type phone on the outside of the building.

A cable was installed to serve residence #1 and to bring the earthquake alarm system into that residence. It was decided however that no class B KMC phone or alarm buzzer would be installed because of Dr. Powers' transfer to Denver.

Most of the speed limit signs have been repainted. Two new twenty-five mile speed limit signs have been installed to cover the KMC area.

Maintenance (cont'd)

Some time was spent in installing and learning how to operate the radios for use between headquarters and the Haleakala section.

Interpretive Service

1942 Eruption pictures, 1/2 hour showing, 6 visitors each on two days by Davis and Chief Ranger.

Considerable time was spent at the Lava Tube where parties were shown through on weekends and many contacts made.

Increase or Decrease in Travel

Weekend travel figures were definitely up this month. Many visitors came especially to pick ohelo berries.

Ranger Service

Ranger Clifton Davis submitted his resignation on the 31st to become effective September 1.

It is common knowledge that Davis would rather remain with the park service but due to the inequality and constant changing of civil service regulations regarding his status as a war appointee Davis felt it no longer safe to wait when a good outside job was offered him.

Davis is one of the most cooperative men the Chief Ranger has had the pleasure of working with. His resignation is a severe blow to the ranger force and to all of us personally.

Lindsay and family left for the mainland on an extended vacation on the 28th.

Protection

Police Cases.

Shigeo Ozaki	- speeding	-	fine
Donald Forbes	- "	- \$15.	"
Joy Noa Kauhi	- "	- \$10.	"
Juan Soriano	- "	- \$20.	"
Raymond Yamano-	- "	- \$15.	" forfeit of bail

Several other minor traffic violations^{ors} were talked to in an effort to slow them down through park headquarters.

Some damage to the ferns was discovered on the trail from the Lava Tube to Kilauea Iki. Miss Margaret Cooke of 29 miles turned in the first report of this damage.

Wildlife

On July 2 droppings and feathers believed to be from Nene were found at Three Trees Kipuka.

Forest Fire Protection

In spite of weather rather dry for Kilauea the grasslands are not dry enough to be a dangerous fire hazard due to occasional heavy showers throughout the month. The rain forest is still too wet to burn.

Building Fire Protection

All hose on the fire truck was tested, dried, and rearranged this month. The pump and truck engine were warmed up once each day. Minor improvements were made to the fire truck house. The fire engine was run outside on several sunny days in order to cut down mildew on the fire hose.

Public Health

The Chief Ranger and Davis made a joint inspection of the Volcano House eating and drinking facilities on Public Health Service form #8967.

Planned for Next Month

Davis plans to bring up to date his notes on the Ohia die back and go over all procedure on land matter with the Chief Ranger as well as turn over and discuss any other matter he has been handling. He is also going ahead with his Koa and other native plant raising in connection with KMC and Volcano House planting. Bender is to learn to take over the nursery and landscaping work by the end of the month.

Also planned is the testing of radio communications between Headquarters and Haleakala.

Fire crew training will continue with fire truck. Crews for grass and forest fires will be trained and equipment will be gone over.

Work will continue on marking the photograph stations on the Koa come back.

Signs will be put ^{out and} as made and as time allows.

Chief Ranger anticipates moving in with Hubbard in room assigned to him in Observatory. To share room with Hubbard until Naturalist office is completed.

All CO₂, foam, and soda-acid type fire extinguishers will be repainted by Bender during August.

Frank A. Hjort

Frank A. Hjort,
Chief Ranger.

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

August 6, 1948

MEMORANDUM for the Superintendent.

Subject: Foreman's Monthly Report.

201. Constructed tire rack CCC Camp.
- 202.
1. ✓ Additional patching of raveled edges and reshaping of shoulders on sections 3-B and 3-C. were carried on during month.
 2. Routine crusher operations to provide enough rock for above operation.
 3. ✓ Minor patching to Chain of Craters road.
- 204.
1. ✓ An additional 2,000 feet of road was surfaced and realigned on the Hilina Pali truck trail.
 2. Slopes were cleaned up and shoulders dressed on previous construction.
 3. Graded tree molds road.
- 206.
1. Cleaned up fallen fern on lava tube trail.
 2. Resurfaced side-walks at quarters #2, 3, 4, 5, 6, 7, 8, 9, 15 & 16.
207. Routine cutting of lawns quarters #17, 21-1, 27-2, 4 and Administration Building.
209. Erected radio antenna at old chemical laboratory and installed radio for the inter-island communication system. 8:9 '48
- 212.
1. Routine pumping of water and servicing and repairing pumps.
 2. Cleaning of gutters.

217. Routine servicing and repairing cars #1-13050, 1-13027, 1-13029.
218. Routine janitor service, roadside cleanup, servicing public rest rooms and public camp grounds cleanup.
- 287.
1. Routine garbage disposal, kerosene and diesel oil delivery, cutting and delivery of firewood.
 2. Painted outside of quarters #18, one coat.
 3. Painted interior, sanded floors, laid new linoleum in kitchen and bathroom; installed new window shades in quarters #21.
 4. Repaired refrigerator in quarters #1.
301. The following work was carried on for the U.S.G.S.
1. Started excavation of seismograph cellar.
 2. Hauled materials from Hilo.
 3. Constructed work bench with 36 drawers.
 4. Rebuilt and installed windows.
 5. Wired interior of building.
 6. Roughed in plumbing and poured concrete cover on cesspool.
 7. Completed placing canec, hanging doors and finishing trim.

Miscellaneous

It is noticed that unauthorized work is still being done by individuals in their homes and in some cases, public buildings. As we are all aware of the fact that the electrical wiring in the park is not up to standards set by the fire underwriters code, this practice will not improve the situation.

The probable solution to the problem would be for the Superintendent to issue a memo to all house holders directing them to discontinue the practice until they obtain a written work order from the Superintendent's office. This, it is believed would cut the amount being done in half, as most people do not like to ask for a work order.

The above does not only apply to wiring it applies to nailing things to walls, boring holes in floors and miscellaneous items.

Next Month?

Respectfully submitted,
Herbert J. Quick
Herbert J. Quick,
Foreman, C&M

10-23
(May 1929)
6-7410

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

FILE NO.

SUPERINTENDENT'S MONTHLY REPORT

JUNE, 1948

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
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NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

July 12, 1948.

Summary of June 1948 5-page Narrative Report for
Hawaii National Park

Weather Conditions, p.1.- Maximum and minimum temperatures at Kilauea headquarters 78° and 47°. At Haleakala ranger station 70° and 40°. Total rainfall at Kilauea 3.31" and at Haleakala 2.90".

Special Activities, pp.1-2.- Usual monthly inspection made by superintendent at Haleakala June 1-4 accompanied by Ranger Ross Bender for his first look at that section. Superintendent conferred with Mr. Richard Baldwin, owner of the land tentatively proposed for new headquarters site, also with officials of Pan American who were taking colored movies of the crater and preparing a script to be used in advertising Hawaii on the mainland. Conference also had with Army officials regarding their plans for using highly classified equipment at Red Hill. June 15-16 Mr. Mooney and Ranger Hertesvoldt ran a traverse of the proposed new headquarters site. Chief Ranger Hjort was at Haleakala June 18 to 24 to supervise a goat drive and to participate in a 2-day trip thru the crater with officials of radio station KIVI in connection with making a wire recording of the trip which was released over the Aloha network in two weekly one-half hour broadcasts. June 11-12 Superintendent conferred with Highway Engineer Carlson of PIA on park road problems. June 18 discussion of park plans and development was had with the president of Hilo Chamber of Commerce and directors.

Research & Observation, p.2.- 30 earthquakes recorded during month. One of these quakes originated under or near Oahu and the others under Hawaii.

Maintenance, p.4.- 1200 ft. of road on Hilina Pali truck trail were roughed in and brought to grade; 75 ft. rubble drainage dip was placed and grouted across wash to eliminate a 3,000 ft. detour. New redwood gutters installed both sides of rained which will increase water collection efficiency to above 95%.

New Construction, p.5.- Erection of last of the 12 new 100,000 gal. redwood water tanks was completed and connected with the system on June 15. A new sheet metal roof was installed on a large equipment shed at the CCC Camp to provide extra catchment area for water.

Grazing, p.2.- Cattle grazing heretofore under permit to Kapapala Ranch was entirely discontinued by June 10 and 290 head of cattle removed from the park.

Concessions, p.4.- Volcano House has had to refuse requests for accommodations by such groups as Morris Tours, averaging 40 visitors, due to lack of space. Many compliments have been heard concerning the excellent services of Haleakala Mountain Lodge.

Travel, p.3.- Visitors to Kilauea section totalled 25,948; to Haleakala, 2,136.

Visitors, p. 5.- As listed.

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

July 12, 1948.

MEMORANDUM for the Director.

The following is report of activities in Hawaii National Park, Kilauea Section, for the month of June, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 76° and 47°. At Haleakala ranger station 70° and 40°. Total rainfall at Kilauea 3.31" and at Haleakala 2.90".

Special Activities

At Haleakala Section- The usual monthly inspection of Haleakala was made June 1 to 4. Ranger Ross Bender accompanied the Superintendent for his first look at this section of the park. He and Ranger Hartesveldt spent three days hiking through the crater, destroying 22 goats enroute, while the Superintendent was occupied in speaking to Wailuku Rotary Club, tentatively selecting the proposed new headquarters site with Mr. Richard Baldwin, owner of the land; conferring with Pan American officials who were taking colored movies of the crater and preparing script to be used in advertising Hawaii on the mainland; making general inspection of the park, including a one-day hike into the crater over the Halemau trail with the trail foreman to point out major repair and maintenance needs. Conference was also had with army officials regarding their plans for using highly classified equipment at Red Hill. The results of their experiments so far are discouraging to them.

On June 15 and 16 Mr. Moomaw and Ranger Hartesveldt ran a traverse of the proposed new headquarters site mentioned previously and described in the approved boundary status report. Chief Ranger Hjort was at Haleakala June 18 to 24 to supervise a goat drive and to participate in a 2-day trip through the crater with officials of radio station KMVI in connection with making a wire recording of the trip, which was released over the Aloha network in two weekly one-half hour broadcasts. The broadcast was sponsored by Maui plantations, was completely devoid of advertising, and was one of the most interesting and appropriate broadcasts we have heard. Special report has been made of this.

At Kilauea Section- The Superintendent participated on program of the annual Hilo High School alumni banquet at the Volcano House, on June 5. June 11 and 12 he conferred with Highway Engineer Carlson of Public Roads Administration on park road problems, report of which has been made. June 15 conferred with Col. Dunkleberg of G-1 and other army officials concerning KMC problems. June 18 a discussion of park plans and development was had with

RECEIVED AS FOLLOWS

Special Activities (continued)

president of Hilo Chamber of Commerce and Directors. They are deeply interested, as we are, in seeing the Kalapana Extension lands acquired and having the proposed pali-coastal road included in the park's master plans.

All projects planned for completion by the end of the fiscal year were consummated in a general "Hukipau" when all regular personnel turned out on the last two days of the month for a general park cleanup.

Research and Observation

Thirty local earthquakes were recorded during the month of June. Of this total, 28 were recorded on the Mauna Loa seismograph and 18 at Kilauea. One of these quakes originated under or near Oahu and the others under Hawaii. Including the Oahu earthquake, four of the quakes were felt locally. There was no accumulation of tilt during the month.

Ranger Davis has discovered that 2-4-D is not an effectual control of the obnoxious pest *Lupatorium* sp. which he has been experimenting with along the Kilauea-Iki trail. Grubbing must be resorted to as a control measure.

Several Hawaiian owls and one Hawaiian hawk were reported seen by the rangers in various areas in the park.

Ranger Service

As indicated previously, Chief Ranger Hjort and Ranger Bender made inspection trips to Haleakala in connection with goat control and public service work, including the first radio recording ever made in Haleakala crater. Several notable improvements were made to our telephone system. Nine new informative signs were placed and speed limit signs renovated.

The Chief Ranger reports that radar experiments at Red Hill are about finished and that the army is experiencing the same echo trouble with new equipment which caused them to abandon this site, so far as radar is concerned, during the war.

Police Protection

Several drivers were given citations for speeding in the park and were directed to the Superintendent's or Chief Ranger's office where they were educated on some of the policies of the Service, and particularly on rules and regulations. This method of handling minor violations is considered to be more effective than taking offenders before the present U. S. Commissioner or collecting a flat \$15.00 bail which he suggested as a means of settlement in lieu of a hearing. However, the Commissioner is hearing one case on July 6 without preliminary posting of bail.

Grazing

The most significant event of the month was the elimination of grazing from the park with the removal of approximately 290 head of Kapapala Ranch cattle June 1 to 10. Three or four strays are known to remain in the park but it is expected they will be removed within the next month.

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Interpretive Service

Park Naturalist Powers returned to duty June 2 after a three-month tour of the mainland where he attended the Region Four naturalist conference and visited several national parks. Most of his time was devoted to working on a museum prospectus for the park.

A glance at the monthly statistical report indicates that less than 5% of the total visitors recorded on that sheet benefit from direct personal services of the two naturalists and only 23% of the visitors receive any type of interpretive service. This condition is due to the type of travel, much of which is day use and through traffic, an extremely poor traffic pattern and lack of an attractive museum-headquarters focal point. Visitors to Kilauea Military Camp far outnumber all others in taking advantage of scheduled guide trips and illustrated talks. These people spend an entire week in the park and have time to make better use of park facilities and the naturalist program than day-use or hotel visitors. They are also provided transportation by the Army, whereas most of the other visitors have tight prearranged itineraries which allow too little time to make full use of the park and what our program offers.

Approaches to the Park

The County has spent considerable time patching the Hilo approach road, which at best is an exceedingly rough, dangerous highway. As many as 20 wrecks in one month have been noted between the park and Hilo.

Wildlife

158 goats, 7 pigs and 1 cat were destroyed. The ranger force devoted 11 man days assisting in the removal and checking on numbers of cattle driven out of the park by Kapapala Ranch June 1 to 10.

Building Fire Protection

Regular building fire inspections were made and necessary corrective measures taken.

Accidents

Three auto accidents involving visitors were reported during the month. All occurred on the Mamalahoa Highway between park headquarters and the Kau Entrance. Special illustrated reports have been made of these.

Public Health

Weekly samples of all park water have been tested by the Territorial Public Health Service and all recent reports indicate absolute purity; however, moderate chlorination will be continued.

Haleakala Lodge, which formerly served raw milk, is now using only pasteurized milk. The Volcano House improved sanitation in their kitchen by installing all new stainless steel fixtures, new range, flues, etc., and raised the temperature of their dish water to above Public Health Service standard.

The entire headquarters and concessioner areas were greatly improved by a general 2-day cleanup campaign.

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Concessioners

The Kilauea Volcano House has had to refuse requests for accommodations by such groups as the Morris Tours, averaging 40 visitors, due to lack of space. These groups are forced to stay at Kilauea hotels, Kona Inn, and other places, making one-day trips to the park.

Many compliments have been heard concerning the excellent services of the Haleakala Mountain Lodge.

Inspections

Highway Engineer Frank R. Carlson of P. R. A. was in the park June 10 to 11 to confer on proposed new approach road and other road problems.

On June 3-4 Mr. Archie B. Freeman of U. S. Public Health Service, San Francisco office, made sanitary inspections of the Volcano House and Haleakala Mountain Lodge.

Investigation of New Park Areas or Boundary Changes

The Superintendent did considerable field work inspecting fern forests adjacent to the park line near headquarters where considerable destruction of trees ferns is in progress to support the growing orchid raising industry on the islands. It is proposed to revise our boundary status report with the idea of relieving tight conditions existing in the headquarters-crater areas.

Plans, Maps and Surveys

An excellent preliminary drawing (No. HAW-8100) of the proposed Volcano House addition was received from the Regional Office which visions 64 additional rooms for the hotel. Map and plan file was brought up to date.

Maintenance

Trails in both sections of the park were placed in good condition, including completion of major repairs to Halemauau trail. A new roller crusher was installed which will reduce the cost of crushed rock by 10%. New steps were constructed at CCC barracks. Water closet, sink and cesspool were installed at the recreation hall.

1200 feet of road on the Hilina Pali truck trail were roughed in and brought to grade from station 292 to 306. 75 feet of rubble drainage dip was placed and grouted across a wash, thus eliminating an undesirable 3000 ft. detour.

New redwood gutters were installed on both sides of the rainshed, which will increase water collection efficiency to above 95%.

RECEIVED AS FOLLOWS

New Construction

Erection of the last of our 12 new 100,000 gallon redwood water tanks was completed and connected with the system on June 15. Our water storage capacity is now approximately 2,100,000 gallons but several old tanks will soon have to be eliminated, which will result in reduction to about 2,000,000 gallons storage in serviceable tanks.

A new sheet metal roof was installed on a large equipment shed at the CCC camp to provide extra catchment area for water. This shed was practically demolished during the war and all metal roofing used for other purposes.

Travel

Visitors to Kilauea section totaled 25,948; to Haleakala, 2,136.

Visitors

Capt. Alberto Lononi, staff and midshipmen from the Argentine cruiser "LA Argentina", visited the park on the 18th. The party was met by Mr. Moomaw and Lt. Col. Thornburg of KMC and taken to the Camp for luncheon, after which a tour of the park was made.

Mr. Archie B. Freeman of U. S. Public Health Service, San Francisco.

Mr. Frank R. Carlson, Highway Engineer, Public Roads Administration, Honolulu.

Frank R. Oberhansley,
Superintendent.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
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HAWAII

July 12, 1948

MEMORANDUM for the Director.

Following is report of activities in the Haleakala Section of Hawaii National Park for the month of June, 1948:

Weather Conditions

The weather was good through the month with many warm, clear days. The winds were mostly trade.

Maximum temperature	70
Minimum temperature	40
Total Rainfall	2.90 inches
Clear days	14
Partly cloudy days	13
Cloudy days	3

Special Activities

Early in the month a group of Pan American Air Lines photographers were in the Park taking sound motion pictures to be used in an advertising film. Two days were spent in the Crater with Gordon and Mary von Tempsky filming a trail trip. Warden Cliff McCall accompanied the party to represent the Park Service and to help narrate that part of the film. McCall was well-liked and was taken all-expenses-paid to Honolulu to help finish the part of the film having to do with the Park.

Inspections

On the first of the month Superintendent Frank R. Oberhansley made his monthly inspection trip as well as to talk at a Rotary Club luncheon. With him came Ranger Ross Bender for his first visit to this section of the Park. Ross and I hiked through the Crater, enjoyed good weather, and shot twenty-two goats. On the 14th, Assistant to the Superintendent Ben F. Moomaw came over to make the preliminary survey of the new administration area site. His wife and son accompanied him here for their first visit. On the 18th, Chief Ranger Frank A. Hjort came over for a week's visit. While he was here, he conducted a goat drive on the west wall of the Crater.

Investigation of New Park Areas

On June 15 and 16, Assistant to the Superintendent Ben F. Moomaw made a preliminary survey of the proposed new administration area on the Haleakala Ranch property in Kula. The corners were staked and the area of the site was calculated.

RECEIVED AS FOLLOWS

General Publicity

On June 21 and 22, Chief Ranger Frank A. Hjort, Warden Cliff McCall, and I took Mr. Richard Mawson, program director for radio station KMVI, and radio engineer Bob Thomason into the Crater where we made a wire recording at the Kapalona Cabin. The program was in honor of the first anniversary of the "This is Maui" show. The talks consisted of questions and answers about points of interest in the Crater and the facilities we have for the public, history and administration of the National Park Service, and the geology and archeology of this area. The talking was divided amongst the three of us. Two half-hour programs were broadcast from this material, one on June 24, and one on July 1. The first broadcast was carried by Maui, Kauni, and Honolulu. The second broadcast will also be carried by Hilo.

The Maui News carried a story about the Crater trip.

Maintenance

The entire month was spent on trail work, mostly on the Halemaun Trail which at the present time is in pretty good condition. However, until the bad parts of the trail are sodded with kikuyu grass, we cannot expect the present work to last long with heavy rains. Plans are being made to sod the worst areas. The trail work is about 50% complete on this basis.

The Sliding Sands Trail was carried around White Hill near the parking area and a hitching rack was installed. The White Hill and Silversword Trails were both cleaned out.

New Construction

Chief Ranger Frank Hjort directed the installation of another electrical cable from our new transformer to the power shed, and installed a three-way switch and better electrical connections to give us better service. He plans, on the next trip, to connect it up for 220 volts.

Concessioner

Business for the Halekala Mountain Lodge has been the best this month since its opening. Crater trips and lodgings have been largely responsible.

Interpretive Services

A total of 147 people were met at the summit for sunrise and talked to informally for about thirty minutes. On the 15th, I showed the 1942 Mauna Ica eruption films to 45 staff members and their families of Kula Sanatorium, and talked for about thirty-five minutes. The film was kept by the hospital and was later shown to about sixty TB patients.

Travel Status

Travel has increased by 7% over that of May, presumably due to the excellent weather we have had throughout the month.

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Travel Status (cont'd)

Number of people registered in the summit registration book, 1254.

Visitors

Mr. W. R. Moore, writer and photographer for the National Geographic Magazine, spent a night at the Lodge en route to Washington from the Far East.

Ranger Service

Ranger time was spent largely on goat control, patrol, meeting and public at the summit, helping install the new electric cable and switch, assisting Ben Koomaw in the surveying, shoeing animals, installing a hitching rack at Holua Cabin, assisting the Pan American people make their film, and making the radio broadcast already mentioned.

Total animal days in the Crater were seventy, of which fifty-two were park, and eighteen were Lodge.

Police Protection

A new name has been found on the crater model. The person also left his name and address in the registration book. It is:

Dominga Dela Cruz
House 149 - Puukolii Village
Lahaina, Maui.

I wrote to prosecuting attorney Ray J. O'Brien on June 11 concerning the matter and have had no word yet about bringing the man before the court. It is unfortunate that these cases must go through so much red tape (or be entirely ignored) to have action taken by the U. S. Commissioner. If the U.S. Commissioner on Maui could be delegated the authority to try cases without going through Honolulu to do it, we could easily cut down on this sort of vandalism, but, as it is, nothing much can be done to the offenders and no one has any fear of the consequences.

One of the three blooming stalks in the summit silverword enclosure has been badly cut up and it is stunted. Although we have been in there quite often lately, vandals climbed over the fence and did the damage while no one was around.

Building Fire Protection

The monthly fire hazard inspection of the Haleakala Mountain Lodge was made and conditions were found satisfactory except that some paint was found in the basement of the main building. It has been removed.

Accidents

Two accidents were reported this month. A Mrs. George Herz of San Bernardino, California, fell at the Lodge and broke her wrist and suffered minor abrasions. Mrs. Herz was 73. A Rainbow Tours taxi turned over, cutting the eye of Margret Kupou

HAWAII NATIONAL PARK

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age 9, bruised and cracked arthritic processes on neck vertebrae of Mrs. Rose Galvan, age 49, and bruised Mrs. Elizabeth Kupanu, age 63, all of Honolulu.

Dr. H. S. Kushi, the eye specialist that took care of Margaret Kupanu, reports that she is coming along fine and the sight in the injured eye will be only slightly impaired.

Control of Exotic Animals

The new program of goat control is working successfully. A total of 195 goats were destroyed during the month. Of these, forty-four were destroyed on the west wall in a drive held on June 19. Large numbers are still reported in the Hanalei-Waikau areas. Plans for a big drive there on July 11 are well under way.

Accompanying Tony Medeiros on goat control this month was Fred Castro, Henry Burns, and Manuel Planici.

Respectfully submitted,

Richard J. Hartesvoldt,
Acting District Ranger.

Approved for circulation:

F. R. OBERHANSLEY

Superintendent



Erection of the last of our twelve 100,000 gallon was completed on June 15. 10 of the tanks are located behind the rainshed and 2 in the Utility area. Note break in shed to provide elevation to top of tanks all of which are concealed from roads and trails.



The rainshed was completely rehabilitated and new gutters installed. Collection efficiency is now above 90%. Storage of heavy equipment and a large supply room is located under shed.



Cattle grazing was terminated June 1 to 10. A few obstreperous animals had to be roped by Paniolas from Kapapala Ranch.



Beginning of roundup. Note browse line on koa in midground. Photo stations were established to record reproduction and general comeback of native trees and shrubs.



Koa study plot on Mauna Loa strip showing vigorous growth and natural vegetative reproduction of these trees in enclosure. Principal reproduction is from root sprouting. All branches behind fence within reach of cattle are well trimmed and not a single new plant can be found outside the fence line.

Complete understanding that grazing was to be eliminated this year resulted from a conference the Superintendent and Mr. Tolson had with Mr. Bradford Sumner, Manager of Kapapala Ranch, in this office in April 1947, and no hard feelings have resulted from this move.



Minor road work was done on the Hilina-Pali road by grouting ford across gulch and regrading 1100 ft. thus eliminating undesirable detour. Initial rock work done by CCC.





Ranger Ross Bender enjoying magnificent seascape from Hilina Pali at Hui-o-Pele shelter.



Another view from Hilina Pali illustrating a series of step faults from an elevation of 2500 ft. to the sea. White surf line showing Apua Point and cove in background with Puu Kapukapu (Red Hill) at right. Halape is at foot of Red Hill which descends sheer 1000 ft. to the sea with small island (Keaci) not visible.

Over 50 miles of scenic shore line are visible from this point which at present is accessible to jeeps or foot or horse travellers. There is strong sentiment for improving the minor road to this point to permit visitors to enjoy these inspiring views.

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July 6, 1948

MEMORANDUM for the Superintendent.

The report of Ranger activities for the month of June, 1948 is respectfully submitted.

Weather Conditions

The weather has been good this month. Rain has fallen on very few days. In spite of this spell of weather which has been dry for Kilauea no serious fire hazard exists either in the rain forest or on open grasslands.

Special Activities

Ranger Ross Bender made a trip to the Haleakala Section the first part of the month.

The Chief Ranger made a one week inspection trip to the Haleakala Section during the latter part of the month.

General Publicity

While at the Haleakala Section of the park the Chief Ranger, District Ranger Dick Hartesveldt, and Warden Cliff McCall participated in a wire recording which was later broadcast over the Aloha Network from all the major islands of the group. The recording was made from various points inside Haleakala Crater and later put on the air in two installments, one on June 24 and the other on July 1.

KMVI - the only station on Maui put on the broadcast on their "This is Maui" series. The program was sponsored by the Maui Plantations. There were no commercials during the entire hour of time allotted to the show. The Maui Plantations are; Baldwin Packers, and Pioneer Milling Company of Lahaina, Wailuku Sugar Co. of Puunene, Maui Agriculture Co. of Paia, Maui Pineapple Co. of Kahului, and Libby McNeil and Libby of Haiku. Dick Mawson of KMVI was in charge of the broadcast and also acted as narrator.

Maintenance

Hilina Pali Shelter and surrounding area was cleaned up.

About seven man days were spent on telephone maintenance on the patrol line to Makaopuhi, Mauna Loa and a new cable terminal was installed on the extra length of cable spliced onto our office to overhead wires above the old Volcano House

thus eliminating the terminal on the power pole that is slated for removal.

No phones were out of order throughout the month.

Nine signs were set out this month and several speed limit signs were repainted by Bender.

Cooperating Governmental Agencies

The Army men in charge of the radar experiment on Red Hill in the Haleakala Section stated that the experiments were about finished and that the site was not successful as a radar site. From what they said the same echo trouble was bothering the instruments that caused the radar equipment to be withdrawn during the war. Apparently the new, improved equipment and techniques had not overcome this problem on the Red Hill site.

The road which will eventually go completely around the mountain of Haleakala has reached the halfway mark of the total mileage between Kanaio and Nu'u Bay.

Concessioners

A start was made by Davis on the aid in obtaining native plants with which to landscape the Volcano House grounds and K.M.C.

Several very fine compliments were heard about the Mountain Lodge at Haleakala, especially as to the quality of the meals.

Interpretative Services

Eighteen officers from the ship L'Argentine were conducted around the park by Bender.

Over fifty visitors were conducted through the Lava Tube by the rangers this month.

Research

Apparently 2-4-D does not kill the plant pest *Eupatorium* sp. as those sprayed on the Kilauea Iki Trail May 24 were not affected.

Increase or Decrease in Travel

From the sample count taken this month, travel figures were not fluctuating greatly. There was a noticeable decrease in the number of buses loaded with children of school age due to the fact that summer vacation is in full swing.

Police Protection

Many cars were stopped during the month and the drivers were reprimanded and warned about speeding in the park. One case is to go before the commissioner July 6, 1948.

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Wildlife Observations:

Hawaiian Owls have been observed in different areas in the park during the month and seem to be very active and easily approached. One Hawaiian hawk was startled when feeding on his prey in the Kipuka Ki area. It flew into the lower branches of a soapberry tree nearby and permitted us to approach it within ten feet.

Feral Pest Control:

One hundred and fifty eight goats were either destroyed or removed from the park this month. Seven pigs were destroyed and also one cat.

At Haleakala, a drive was held on the Kalahaku and Lele/ivi cliffs where forty four goats were destroyed. This was most of the goats present in this area at that time.

MacKenzie has paid for one thousand seventy seven goats since this special use permit was issued to him.

Building Fire Protection:

Brackets were made for all the CO₂ type extinguishers and some of the foam type extinguishers were installed in the water shed area.

A fire plug placed to cover the Water Shed and Volcano House Dormitory was installed this month. All fire plugs were assigned a number and most of them were stenciled with red numbers in identify them, aiding in locating during an emergency.

Accidents:

Three accidents, involving visitors were reported during the month. All were on the Mamalahoa Highway between Park Headquarters and the Kau Entrance. All have been covered by separate reports and the attached pictures relate the story.

Miscellaneous:

C. Brewer and Co.'s Kapapala Ranch started removing the cattle from the Mauna Loa strip on the first of June. The work continued until the fourteenth when all but a few stray head were removed. Removal of these strays will be accomplished as soon as they settle down and have opportunity to collect in a group. Eleven man days were spent by the ranger force in helping to remove these cattle.

Frank A. Hjort
Frank A. Hjort
Chief Ranger.



Mamalahoa Highway - June 12, 1948





Mamalahoa Highway - June 12, 1948





Mamalahoa Highway - June 12, 1948





Mamalahoa Highway - June 15, 1948





Mamalahoa Highway - June 17, 1948



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*JO
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July 2, 1948

MEMORANDUM for the Superintendent.

Subject: Foreman's Monthly Report.

1. Routine maintenance such as janitor work, garbage disposal, fuel oil delivery and ground maintenance.
2. Dug cesspool and installed water closet at recreation hall.
3. Repaired steps at recreation hall and barrack #1.
4. Started painting exterior Qtrs. #18.
5. Installed new ^{sheet iron} roof on equipment storage building CCC *for purpose of adding to water shed. Roof was removed during year.*
6. Routine patching of pot holes and raveled road edges were carried out during month.
7. All trails in Kilauea section with the exception of sea coast trails and Mauna Loa were brushed out and two bridges installed. The latter being installed in the lava trees area.
8. Miscellaneous repairs to appliances.
9. Routine repairs and servicing of equipment.
10. Completed installing and put into operation new rolls crusher. This piece of equipment will reduce the cost of crushed rock by 10%.
11. Completed erecting the last of the 12 100,000 gal. water tanks.
1. Installed new gutters on ^{main} water shed. 2. Installed fire hydrant and made cross connection to tie old hotel tanks into park 6" water main.
12. The undersigned made a trip to Honolulu to complete the transfer of certain quarrying equipment from K.M.C. to the park and to try and obtain electric water pumps.
13. Rough in and brought to grade approximately 1200 feet of road on the Hilina Pali truck trail from station 292 to 306. Placed and grouted 75 feet rubble drainage dip across wash.

14. Total vehicle mileage for month Kilauea Section 10,268 mi.

18 trips to Hilo.

Herbert J. Quick
Herbert J. Quick,
Foreman C&M

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2/10

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July 6, 1948.

MEMORANDUM for the Superintendent.

Narrative report for June, 1948, of Assistant to Superintendent and Acting Park Engineer B. F. Moomaw, Jr.

General

Except as noted below, the undersigned was on routine duty throughout the month.

Special Activities

Four days (14th-17th) were spent on Maui making a survey of the new headquarters site. This and other phases of the trip are covered by the headings below. Mrs. Moomaw and Benjie accompanied me on this trip. It was Mrs. Moomaw's first visit to Maui in the 11 years of residence and acquaintance in the islands.

I joined the annual "Eukipau" on the 29th and 30th for the clean up at the close of the fiscal year. All available man-power also joined in this activity, and the park surely looks different and better as a result of this job.

Inspections

3rd-4th. Mr. Archie Freeman of the U.S. Public Health, San Francisco office, inspected the Volcano House, Haleakala Mountain Lodge and the park's water system. Separate reports were submitted by Mr. Freeman.

14th-17th. The undersigned inspected the Haleakala section's physical plant while there. All phases of the work and the area show continued improvement, as they have done each trip since August, 1946.

Investigations of New Park Areas 15th-16th, with Acting District Ranger
and Boundary Changes Hartesveldt, a traverse was run of the proposed

new headquarters at Haleakala section. This is the area described in the current Boundary Status Report. The first traverse included an area of 49 acres, which was too large. On recalculating in the office, with slight boundary changes, an area of 29.66 acres was selected.

Plans, Maps & Surveys

The Map and Plan File was brought up to date toward the end of the month.

Concessioners

While on Maui all meals were taken at the Lodge. Great improvement was noted since my last visit in October, 1947. Service and food were good, and ample - if not too large - portions are now served.

Cooperating Government Agencies

A territorial traffic counting crew, under the supervision of Chief Traffic Enumerator Emelano, made a spot check for a 24 hour period on the 1st and 2nd. All four legs of the Uwakahuna-Bird Park cross-roads and the three legs of the Hilo Entrance were counted. Results were given to the Chief Ranger for his records.

Interpretative Service

The regular weekly orientation lecture at K.M.C. was given to about 40 persons on the 1st.

Visitors

18th- Capt. Alberto Lononi, staff and midshipmen from the Argentine cruiser "La Argetina" were met by the undersigned and Lt. Col. Thornberg of K.M.C. for luncheon, then a tour of the park followed. This party was brought over from Oahu for a one-day sightseeing tour as guests of the Army, Navy and Air Force. They left Hilo at 4:36 PM for Honolulu and sailed for Shanghai on the 19th to continue their training cruise around the world.


Benjamin F. Moomaw, Jr.,
Asst. to the Superintendent.

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Haleakala Section



July 8, 1948

Memorandum to the Superintendent
Subject: Haleakala Section Monthly Narrative Report for June, 1948.

Weather Conditions

The weather was good through the month with many warm, clear days. The winds were mostly trade.

Maximum temperature	70
Minimum temperature	40
Total Rainfall	2.90 inches
Clear days	14
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Special Activities

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engineer Bob Thomason into the Crater where we made a wire recording at the Kapalaoa Cabin. The program was in honor of the first anniversary of the "This is Maui" show. The talks consisted of questions and answers about points of interest in the Crater and the facilities we have for the public, history and administration of the National Park Service, and the geology and archeology of this area. The talking was divided amongst the three of us. Two half-hour programs were broadcast from this material, one on June 24, and one on July 1. The first broadcast was carried by Maui, Kauai, and Honolulu. The second broadcast will also be carried by Hilo.

The Maui News carried a story about the Crater trip.

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Ranger Service

Ranger time was spent largely on goat control, patrol, meeting the public at the summit, helping install the new electric cable and switch, assisting Ben Moomaw in the surveying, shoeing animals, installing a hitching rack at Holua Cabin, assisting the Pan American people make their film, and making the radio broadcast already mentioned.

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Police Protection

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House 149 - Puukolii Village,
Lahaina, Maui.

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The monthly fire hazard inspection of the Haleakala Mountain Lodge was made and conditions were found satisfactory except that some paint was found in the basement of the main building. It has been removed.

Accidents

Two accidents were reported this month. A Mrs. George Herz of San Bernardino, California, fell at the Lodge and broke her wrist and suffered minor abrasions. Mrs. Herz was 73. A Rainbow Tours taxi turned over, cutting the eye of Margret Kupau, age 9, bruised and cracked arthritic processes on neck vertebrae of Mrs. Rose Galvan, age 49, and bruised Mrs. Elizebeth Kupau, age 63, all of Honolulu.

Dr. H.S. Kushi, the eye specialist that took care of Margret Kupau, reports that she is coming along fine and the sight in the injured eye will be only slightly impaired.

Control of Exotic Animals

The new program of goat control is working successfully. A total of 195 goats were destroyed during the month. Of these, forty-four were destroyed on the west wall in a drive held on June 19. Large numbers are still reported in the Hanakauhi-Waikau areas. Plans for a big drive there on July 11 are well under way.

Accompanying Tony Medeiros on goat control this month was Fred Castro, Henry Burns, and Manuel Planisi.

Respectfully submitted,

Richard J. Hartesveldt
Richard J. Hartesveldt,
Acting District Ranger.

Approved for circulation
JR Oberhauser
Sept

July 6 1948

PRESS RELEASE

Hawaiian Volcano Observatory U.S. Geological Survey R H Finch, Volcanologist

Thirty local earthquakes were recorded during the month of June. Of this total 28 were recorded on the Mauna Loa seismograph and 18 at Kilauea. One of these quakes originated under or near Oahu and the others under Hawaii.

Including the Oahu earthquake four of the quakes were felt locally.

There was no accumulation of tilt during the month

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

July 6, 1948

MEMORANDUM for the Superintendent.

The report of Ranger activities for the month of June, 1948 is respectfully submitted:

Weather Conditions

The weather has been good this month. Rain has fallen on very few days. In spite of this spell of weather which has been dry for Kilauea no serious fire hazard exists either in the rain forest or on open grasslands.

Special Activities

Ranger Ross Bender made a trip to the Haleakala Section the first part of the month.

The Chief Ranger made a one week inspection trip to the Haleakala Section during the latter part of the month.

General Publicity

While at the Haleakala Section of the park the Chief Ranger, District Ranger Dick Hartesveldt, and Warden Cliff McCall participated in a wire recording which was later broadcast over the Aloha Network from all the major islands of the group. The recording was made from various points inside Haleakala Crater and later put on the air in two installments, one on June 24 and the other on July 1.

KMVI - the only station on Maui put on the broadcast on their "This is Maui" series. The program was sponsored by the Maui Plantations. There were no commercials during the entire hour of time allotted to the show. The Maui Plantations are; Baldwin Packers, and Pioneer Milling Company of Lahaina, Wailuku Sugar Co. of Puunene, Maui Agriculture Co. of Paia, Maui Pineapple Co. of Kahului, and Libby McNeil and Libby of Haiku. Dick Mawson of KMVI was in charge of the broadcast and also acted as narrator.

Maintenance

Hilina Pali Shelter and surrounding area was cleaned up.

About seven man days were spent on telephone maintenance on the patrol line to Makaopuhi, Mauna Loa and a new cable terminal was installed on the extra length of cable spliced onto our office to overhead wires above the old Volcano House

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thus eliminating the terminal on the power pole that is slated for removal.

No phones were out of order throughout the month.

Nine signs were set out this month and several speed limit signs were repainted by Bender.

Cooperating Governmental Agencies

The Army men in charge of the radar experiment on Red Hill in the Haleakala Section stated that the experiments were about finished and that the site was not successful as a radar site. From what they said the same echo trouble was bothering the instruments that caused the radar equipment to be withdrawn during the war. Apparently the new, improved equipment and techniques had not overcome this problem on the Red Hill site.

The road which will eventually go completely around the mountain of Haleakala has reached the halfway mark of the total mileage between Kanaio and Nuu Bay.

Concessioners

A start was made by Davis on the aid in obtaining native plants with which to landscape the Volcano House grounds and K.M.O.

Several very fine compliments were heard about the Mountain Lodge at Haleakala, especially as to the quality of the meals.

Interpretative Services

Eighteen officers from the ship L'Argentine were conducted around the park by Bender.

Over fifty visitors were conducted through the Lava Tube by the rangers this month.

Research

Apparently 2-4-D does not kill the plant post *Eupatorium* sp. as those sprayed on the Kilauea Iki Trail May 24 were not affected.

Increase or Decrease in Travel

From the sample count taken this month, travel figures were not fluctuating greatly. There was a noticeable decrease in the number of buses loaded with children of school age due to the fact that summer vacation is in full swing.

Police Protection

Many cars were stopped during the month and the drivers were reprimanded and warned about speeding in the park. One case is to go before the commissioner July 6, 1948.

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Wildlife Observations:

Hawaiian Owls have been observed in different areas in the park during the month and seem to be very active and easily approached. One Hawaiian hawk was startled when feeding on his prey in the Kipuka Ki area. It flew into the lower branches of a soapberry tree nearby and permitted us to approach it within ten feet.

Feral Pest Control:

One hundred and fifty eight goats were either destroyed or removed from the park this month. Seven pigs were destroyed and also one cat.

At Haleakala, a drive was held on the Kalahaku and Leleivi cliffs where forty four goats were destroyed. This was most of the goats present in this area at that time.

MacKenzie has paid for one thousand seventy seven goats since this special use permit was issued to him.

Building Fire Protection:

Brackets were made for all the CO₂ type extinguishers and some of the foam type extinguishers were installed in the water shed area.

A fire plug placed to cover the Water Shed and Volcano House Dormitory was installed this month. All fire plugs were assigned a number and most of them were stenciled with red numbers in identify them, aiding in locating during an emergency.

Accidents:

Three accidents, involving visitors were reported during the month. All were on the Mamalahoa Highway between Park Headquarters and the Kau Entrance. All have been covered by separate reports and the attached pictures relate the story.

Miscellaneous:

C. Brewer and Co. Kapapala Ranch started removing the cattle from the Mauna Loa strip on the first of June. The work continued until the fourteenth when all but a few stray head were removed. Removal of these strays will be accomplished as soon as they settle down and have opportunity to collect in a group. Eleven man days were spent by the ranger force in helping to remove these cattle.

Frank A. Hjort
Chief Ranger.

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

July 6, 1948.

MEMORANDUM for the Superintendent.

Narrative report for June, 1948, of Assistant to Superintendent and Acting Park Engineer B. F. Moomaw, Jr.

General

Except as noted below, the undersigned was on routine duty throughout the month.

Special Activities

Four days (14th-17th) were spent on Maui making a survey of the new headquarters site. This and other phases of the trip are covered by the headings below. Mrs. Moomaw and Benjie accompanied me on this trip. It was Mrs. Moomaw's first visit to Maui in the 11 years of residence and acquaintance in the islands.

I joined the annual "Hukipau" on the 29th and 30th for the clean up at the close of the fiscal year. All available man-power also joined in this activity, and the park surely looks different and better as a result of this job.

Inspections

3rd-4th. Mr. Archie Freeman of the U.S. Public Health, San Francisco office, inspected the Volcano House, Haleakala Mountain Lodge and the park's water system. Separate reports were submitted by Mr. Freeman.

14th-17th. The undersigned inspected the Haleakala section's physical plant while there. All phases of the work and the area show continued improvement, as they have done each trip since August, 1946.

Investigations of New Park Areas 15th-16th, with Acting District Ranger
and Boundary Changes Hartesveldt, a traverse was run of the proposed

new headquarters at Haleakala section. This is the area described in the current Boundary Status Report/ The first traverse included an area of 49 acres, which was too large. On recalculating in the office, with slight boundary changes, an area of 29.66 acres was selected.

Plans, Maps & Surveys

The Map and Plan File was brought up to date toward the end of the month.

RECEIVED AS FOLLOWS

2.

Concessioners

While on Maui all meals were taken at the Lodge. Great improvement was noted since my last visit in October, 1947. Service and food were good, and ample - if not too large - portions are now served.

Cooperating Government Agencies

A territorial traffic counting crew, under the supervision of Chief Traffic Enumerator Emelano, made a spot check for a 24 hour period on the 1st and 2nd. All four legs of the Uwekahuna-Bird Park cross-roads and the three legs of the Hilo Entrance were counted. Results were given to the Chief Ranger for his records.

Interpretative Service

The regular weekly orientation lecture at K.M.C. was given to about 40 persons on the 1st.

Visitors

18th- Capt. Alberto Lononi, staff and midshipmen from the Argentine cruiser "La Argetina" were met by the undersigned and Lt. Col. Thornberg of K.M.C. for luncheon, then a tour of the park followed. This party was brought over from Oahu for a one-day sightseeing tour as guests of the Army, Navy and Air Force. They left Hilo at 4:36 PM for Honolulu and sailed for Shanghai on the 19th to continue their training cruise around the world.

Benjamin F. Moomaw, Jr.,
Asst. to the Superintendent.

10-23
(May 1920)
6-7410

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

FILE NO.

SUPERINTENDENT'S MONTHLY REPORT

MAY, 1948

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

June 9, 1948.

Summary of May 1948 6-page Narrative Report for
Hawaii National Park

Weather Conditions, p.1.- Maximum and minimum temperatures at Kilauea headquarters 73° and 48°. At Haleakala ranger station 71° and 36°. Total rainfall at Kilauea 7.07" and at Haleakala 1.92".

Special Activities, pp.1-2.- Superintendent was on Maui May 1-5 for conference with Communications Officer for USAR PAC, Army Air Force officers and representatives of the Mutual Telephone Co. concerning Red Hill installation. Inspections and tests were made on the ground, as reported to Regional Director by separate memorandum. May 2, 3, 4 devoted to conducting Mr. Ansel Adams on a photo expedition through Haleakala crater. May 8-9 inspection was made of fishing conditions along the Hawaii coast by Foreman Quick and Superintendent; one black marlin 12 ft. long weighing 318 pounds was caught. The Superintendent traversed on foot all park trails used by visitors for hiking and horseback trips to determine degree of use and maintenance requirements. He also gave several talks before civic groups and interested visitors.

Research & Observation, p.2.- 28 earthquakes recorded^{ed} May. Usual naturalist program carried out, with 7 special evening talks, illustrated by the kodachrome movies of the 1942 Mauna Loa eruption, were given to a total of 175 visitors, and 4 special daytime showings of the movies to interested visitors who requested them.

Library Activities, p.3.- Miss Melton, the Librarian furnished us by the Hawaii Volcano Research Assn. for one year at their expense, completed her stipulated time and left at close of month to accept a position as librarian with the army in Tokyo.

Maintenance, p.4.- 10,000 feet raveled pavement edges were patched and shoulders redressed. Two 100,000 gal. redwood water tanks were erected and concrete base poured for the last of the twelve 100,000 gal. tanks.

Ranger Service, p.4.- Largely routine.

Cooperating Government Agencies, p.4.- General John E. Hull and several members of his staff visited the park. One result of their visit was the extension of commissary privileges at KMC to regular members of the park staff.

Grazing, p.4.- An agreement was reached in conference with Mr. Bradford Sumner, Mgr. Kapapala Ranch, that all grazing of cattle by Hawaiian Agriculture Co. would terminate by June 10, 1948.

Exotic Animal control, p.5.- 364 goats removed from Kilauea section; at Haleakala 94.

Surplus Property, 5.- Practically new rolls crusher for crushing rock being quarried to produce fines for seal coating park roads was secured under P.L. 478.

Visitors, p.6.- As listed.

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

June 9, 1948.

MEMORANDUM for the Director.

The following is report of activities in Hawaii National Park for the month of May, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 73°, minimum temperature 48°. At Haleakala ranger station 71° and 36°. Total rainfall at Kilauea 7.07" and at Haleakala 1.92". Patches of snow were visible on the mountains from Kilauea headquarters as late as the 22nd.

Special Activities

En route to headquarters from Honolulu after inspecting the Waimea Canyon and the Napali coast on the island of Kauai, and meeting with the Territorial Board of Forestry and Agriculture, an inspection was made of the Haleakala Section of the park May 1 to 5. While there, a conference was had with Colonel Drake, Communications Officer for USAR PAC, Army Air Force officers and representatives of the Mutual Telephone Company, concerning the Red Hill installation. Inspections and tests were made on the ground, as reported to the Regional Director by separate memorandum.

May 2, 3 and 4 were devoted to conducting Mr. Ansel Adams on a photo expedition through Haleakala crater, in connection with which a thorough inspection was made of goat damage, trails and cabins. Mr. Adams was impressed with the scenery and doubtless secured some outstanding pictures. Goat damage to trees and shrubs in the crater is extremely severe and young trees are lined and barked to a height goats can reach standing on hind legs. Tree climbing and resultant crown damage was also evident. Nineteen goats were destroyed during the trip. A concrete plan for goat and pig eradication will be proposed in the near future.

On Saturday and Sunday, May 8 and 9, an inspection was made of fishing conditions along the Hawaii coast by Foreman Quick and the Superintendent which resulted in taking several small fish weighing around 30 pounds and one swordfish (black marlin) 12 ft. long, weighing 318 pounds. Fishing was done from an 18 ft. boat.

The Superintendent traversed on foot all park trails used by visitors for hiking and horseback trips, to determine degree of use and maintenance requirements. Frequent inspections were made of all work projects which were found to be progressing satisfactorily. He also gave several talks before civic groups and interested visitors.

Special Activities (cont'd)

Some four days were devoted by Mr. Moomaw to compiling the preliminary annual report to the Director. This was completed and mailed on the 12th in order to reach the deadline at the San Francisco office.

Research and Observation

The earthquakes which occurred in May as in the past several months had widely scattered origins. Twenty eight quakes were recorded during the month the majority of which originated under various portions of Mauna Loa. Twenty-five of the shakes were recorded on the Mauna Loa seismograph and 11 at Kilauea. The first of the two perceptible shakes occurred at 11:33 am May 22 with origin deep under Haalalai. The second which originated under the northeast rift of Mauna Loa occurred at 11:16 pm May 24.

The accumulation of seasonal westerly tilt during the first five months of this year was the smallest for several years and this may be taken as an indication of a slight pressure build up under Mauna Loa. The unusually sharp southerly tilt which started in the first of the year ceased early in May and there was a slight accumulation of northerly tilt during the rest of the month.

A conspicuous steam cloud was observed over Mokuaweoweo at sunset on May 16 and several other days during the month. Such observances are rather common at this season of the year.

The Assistant Park Naturalist was on duty throughout the month. The first group of photographs of Hawaii National Park, for the Director's Office, was finished and mailed. One day was spent on the Board of Survey, disposing of numerous items which have been in storage, and which are valueless except as salvage materials. Some time was devoted to the preparation of the Interpretive section of the development and outline for the new master plan. Work was begun on a new prospectus for the museum. The old prospectus and plan were for a much larger museum than was constructed, hence a revision is necessary.

The regularly scheduled naturalist activities were carried on throughout the month. Seven special evening talks, illustrated by the kodachrome movies of the 1942 Mauna Loa eruption, were given to a total of 175 visitors, the majority of them guests at the Volcano House. In addition, four special daytime showings of the movies were given to interested visitors who requested them.

The nature walk through Kipuka Puuulu (Bird Park) continues to be one of our most popular activities. The visitors who make this trip, though fewer in number than on the auto caravan, are usually genuinely interested in the features to be seen in this beautiful portion of the park. In spite of the rainy weather numerous contacts were made during the month; these included visitors en route through the park, Kilauea Military Camp guests and Volcano House guests. KMC had capacity crowds at least twice during the month, their guests arriving each Tuesday via IST from Oahu and limited to a stay of one week.

Maintenance

Outside of routine maintenance, repairs to motor vehicles and heavy equipment were accomplished. 10,000 feet of raveled pavement edges were patched and shoulders redressed. Two 100,000 gallon redwood water tanks were erected and concrete bases poured for the last of the twelve 100,000 gal. tanks. It is anticipated that this last tank will be completed before the middle of June.

At Haleakala three new laborers were acquired for the balance of the fiscal year to work on the Halemauu trail. The work, however, was retarded by rainy weather.

Ranger Service

Some time was spent on telephone maintenance on the patrol line to Makaopuhi and also in headquarters area. Work was started on the cleaning out of the Kilauea Iki trail. The section from the Lava Tube to the crater floor was completed. The nursery is being readied for the koa seedlings to be planted there and later distributed to K.M.C. and the concessioner. Routine patrols were continued. Several people were warned about picking flowers. The Lava Tube area was especially watched. One speeder was arrested and fined \$15.00 by the U. S. Commissioner. Two of the rangers participated in interpretive service during the month, Ranger Lindsay giving a 45 minute lecture with movies to a group of 25 people, and Chief Ranger Hjort gave a talk to a group of 21. On weekends a ranger has been at the Lava Tube part of the time. Many contacts with visitors have been made there. The fern stipes have grown past the stage where they are prized as food. Vandalism to these plants has dwindled to an occasional thoughtless breaking off of a frond.

Building Fire Protection

Instructions in the use of the fire engine and the 2½" hose were given to nearly all permanent employees on the 26th. Following this, everyone was shown the entire water system with an explanation of the various valves and a demonstration on how to start the pumps by Mr. Quick and Mr. Moomaw.

Cooperating Government Agencies

General John E. Hull and several members of his staff spent the week of May 18 to 25 in the park and we had the pleasure of visiting with them on several occasions during their stay. One result of their visit was the extension of commissary privileges at KMC to the regular members of the park staff.

Grazing

An agreement was reached in conference with Mr. Bradford Sumner, Manager of Kapapala Ranch, that all grazing of cattle by the Hawaiian Agriculture Co. would terminate in accordance with terms of the permit by June 10, 1948 and that all fences would be repaired by the ranch to exclude cattle from the park after that

date. Removal of cattle was scheduled to begin June 1 and continue until all are removed. This, together with all copies of pertinent correspondence, has been the subject of a special report.

Approaches to the Park

The temporary repairs along the Hilo approach road have again deteriorated to a point where it is unsafe to travel in excess of 20 miles per hour, or less, over certain sections, consequently accidents have been numerous. Six wrecks were observed along this road in one week, one of which was a KMC bus with 25 passengers. The conditions of this road discourage park travel and it is hoped that authorized reconstruction will soon get underway.

On May 28 a discussion was had with the president and members of Hilo Chamber of Commerce concerning park problems in which the community is interested. The need to complete the acquisition of the remaining parcels of land in the Kalapana Extension, and construction of a new approach road was stressed. President Hons intends to urge the Governor to expedite the former and all are agreed that the park cannot be fully enjoyed until traffic bottlenecks can be corrected and access provided to the magnificent pali-coastal area.

Surplus Property

On May 13 Foreman Quick went to Honolulu to procure a rolls crusher for rock being quarried to produce fines for seal coating park roads. He was able to pick up a practically new crusher under P.L. 478. By virtue of his former connection with the U.S.E.D. and his superior knowledge of all sorts of equipment, Mr. Quick has procured for this park all necessary equipment to carry on operations for many years to come, and it is thought no other national park is better equipped to carry on maintenance and construction functions.

Concessioners

May 23-24 was devoted to investigating hotel rates and accommodations and rates for water for comparison with those of the Volcano House for use in future submission of basic rate schedules. In this connection it is interesting to note that rates at Kona Inn, American plan, range from \$14 to \$21 per day per person, and at Hana, Maui, hotel rates per person, single, range from \$20 to \$25 per person, with transient meal prices for breakfast \$2.50, lunch \$3.50, dinner \$4.50. The Volcano House and Haleakala Lodge offer the finest accommodations of their type at lower rates than can be had elsewhere in the Territory. *Nuts*

*above average
very
excellent*

Meetings

Two staff meetings were held at Kilauea section and one at Haleakala. The regular meeting of the Kilauea Military Camp Safety Council on May 10 was attended.

Exotic Animal Control

During the month, 364 goats were removed from the Kilauea section by drives; also 13 pigs destroyed. At Haleakala 94 goats and 1 pig were destroyed.

Travel

Travel to Kilauea section for the month was 30,695; at Haleakala, 1,775.

Visitors

Dr. Maynard O. Williams, Foreign Editor, The National Geographic Magazine
Mr. & Mrs. Cudahy, President, Cudahy Packing Company
Mr. & Mrs. Royce, Manager, Huntington & Royal Hawaiian Hotels
General John E. Hull and members of his staff.

Frank R. Oberhansley,
Superintendent.



Use of Quickway crane obtained under Public Law 478
to move large water tank intact under skyline improvement
program



Tank is loaded onto truck for removal to utility area



Beginning work on foundations of new water tanks



Building scaffold for ninth tank at water shed.



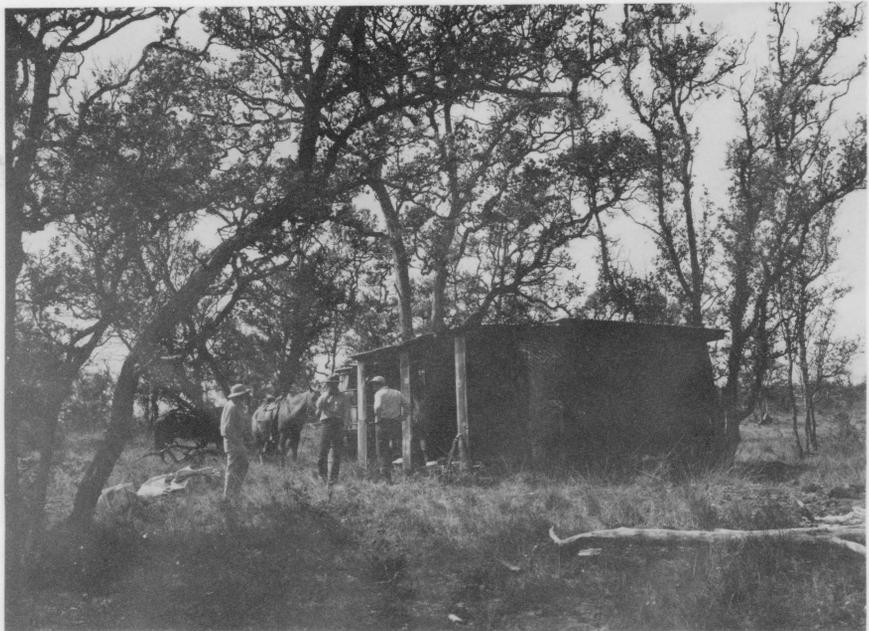
Horse trailer converted from 60" searchlight trailer



Oblique view of trailer



Shelter at Halape, seacoast boundary of Hawaii National
Park. Puu Kapukapu in background



Shelter at Pepeiau



Front view of wrecked car



Right oblique view of wrecked car

Final report of the librarian of the Hawaiian Volcano Observatory and the Hawaii National Park, May, 1948.

July 1, 1947, I began my duties as librarian for the Hawaiian Volcano Observatory and the Hawaii National Park. As an appointee of the Hawaiian Volcano Research Association, I was to organize, catalog, and classify the materials in the Observatory and the park libraries. The following is a report of what has been accomplished during the year.

A preliminary survey of the library was made in February, 1947, by Miss Priscilla Griffey of the library staff of the University of Hawaii. Careful consideration was given this report. After a thorough examination of the materials in the library and conferences with the scientists at the Observatory a proposed code for the cataloging of the library materials was prepared. This code was approved by the superintendent of the park. Simple cataloging with a minimum of notes is being used. Only specific subject headings are used and as a rule only one subject to a title. The Library of Congress list of subject headings is being used, but a subject heading list on cards is being made as the L. C. list is too general for all subjects. Library of Congress printed cards are used when available. The Dewey Decimal classification system with certain modifications is used. In classifying the material subject is of prime importance. Monographs in serial publications are classified as separates and serials cataloged as sets are to be fully analyzed. A vertical file has been organized, but in general the pamphlets are considered of sufficient importance and permanence to be cataloged in the regular collection.

Knowing that I had probably only the year in which to set up the library, I have been from the first selective in what I have done and have organized and set up the library with the idea in mind that a non-professional might have to continue my work. The organization of the library is complete. The work of cataloging and classifying the materials is not. I would estimate that three fourths of the material has been completed. The work of analyzing some of the more important serials also remains to be done. All of the material in the library has been examined and much obsolete matter discarded. With the approval of Mr. Finch and Dr. Powers, many titles of no subject interest to a special collection of this type have been separated from the main collection and will be used for exchange.

The necessary library supplies were received through the park headquarters. The cataloging tools were bought with funds of the Hawaii Natural History Association. The book truck was received in April. No catalog cabinet has been received and that is the greatest need for the library. Because of the great expense of new pamphlet boxes, it was decided to use the boxes on hand. Much time has been spent on cleaning, strengthening and relabeling these boxes.

Miss Evelyn Ah Sing, park typist assisted the librarian in typing cards for the catalog. During the past two weeks Miss McMenamin, clerk-stenographer, has spent some time with me in order to learn the procedures which I have been following and to receive instruction in the fundamentals of cataloging, with the idea in mind that she will thus be able to initiate a new clerk-stenographer into carrying on the library work.

Summary of Library Statistics
(July 1, 1947-May 30, 1948)

Accessions	-----	5,292
	L.C. printed cards	824
Titles cataloged and classified	Typed cards	1,653
	Total	2,477
Added copies	-----	277
Added volumes	-----	2,285
Volumes added but not accessioned	-----	1,500
Cards typed for catalog	-----	7,000
L.C. printed cards adapted for use in catalog	-----	1,726

Mary Melton
Mary Melton
Librarian

20

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

June 3, 1948

MEMORANDUM for the Superintendent.

Subject: Monthly Report of Assistant to Superintendent and Acting Resident Engineer Benjamin F. Moomaw, Jr., for May, 1948.

General

Except as noted below, the undersigned spent the month on routine duties and sick leave on the following days: 11th and 13th through the 21st, necessitated the treatment and removal of a carbuncle that has been giving him considerable trouble since Christmas.

Special Activities

The 6th, 7th, 10th, through the 12th, were utilized in compiling the preliminary annual report to the director. This was completed and mailed on the 12th in order to reach the deadline at the San Francisco office.

Maps, Plans and Surveys

Two days were utilized in field work in preparing sketch for the underground ~~water~~ Plot plan, for the geological survey at Uwekahuna. This was submitted to Region Four immediately on completion.

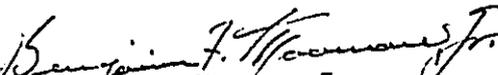
New Construction

Extremely bad weather delayed the installation of the water tanks that were planned for completion during the month. At the end of the month, one complete tank remained to be erected.

Safety

The regular meeting of the Kilauea Military Camp Safety Council on May 10 was attended.

Frequent safety and inspections were made of all current jobs.


Benjamin F. Moomaw, Jr.
Acting Superintendent

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

June 7, 1948

MEMORANDUM for the Superintendent.

The narrative report of ranger activities for the month of May is respectfully submitted:

Weather Conditions

Clear days 2
Partly Cloudy 19
Cloudy 10
Rainfall total 7.09 inches
Maximum temperature 73 degrees on the 19th.
Minimum temperature 48 degrees on the 7th.

Patches of snow were visible from headquarters until the 22nd of the month.

Except for one day, the 2nd, winds were all from the N. E.

Maintenance

Some time was spent on telephone maintenance on the patrol line to Makopuhi and also in the headquarters area. No phones were out of order in the park throughout the month except Makopuhi for one day.

Work was started on the cleaning out of the Kilauea Iki trail. The section from the Lava Tube to the crater floor was completed.

The nursery is being reached for the kon seedlings to be planted there and later distributed to K.M.C. and the concessioner.

Concessioner

Further improvements in the kitchen including the addition of a new exhaust over the range, all stainless steel equipment to replace the steam table, dish washer and work tables has greatly improved the appearance and the sanitation of the Volcano House. *here*

An inspection of the kitchen was made. Things in general were messy. The disposal of garbage and rubbish was not being handled properly but due to the installation of the above mentioned equipment the kitchen personnel were hard pressed to even get the seals out on time. Conditions will undoubtedly improve as soon as all equipment is installed and things are normal.

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Concessioner (cont'd)

The storage rooms in back of the kitchen were congested with inflammable material left over from uncrating the new equipment.

The old dormitory continues to be both untidy and a fire hazard.

Interpretive Service

1942 Eruption film	45 min lecture	25 people - Lindsay
1942 " "	45 " "	21 " - Hjart

On weekends a ranger has been at the Lava Tube part of the time. Many contacts with visitors have been made there. The fern stipes have grown past the stage where they are prized as food. Vandalism to those plants has dwindled to an occasional thoughtless breaking off of a frond.

Research and Observation

Two dense patches of *Eupatorium* sp., a close relative of *pumkani* one of the worst pests ever introduced to the islands, were sprayed with 2-4-D on May 24 on the west side of Kilauea Iki trail. Pictures were taken before spraying, observation continues.

Davis spent one day noting forest conditions and gathering Koa seed.

On a trip down Kau Desert, through Popoiau Kipuka, across Kaone to Halape the vegetation was found to be making a remarkable comeback from the previous overgrazing by feral goats. Comparison with conditions there two years ago are very favorable. Few goats were seen on this trip in contrast to many large bunches seen two years ago.

On this trip the bombing range was crossed where thousands of 0.50 cal. and 20 m.m. spent bullets as well as hundreds of fragments of various kinds of practice bombs were observed.

Police Protection

Routine patrols were continued. Several people were warned about picking flowers. The Lava Tube area was especially watched.

Lindsay picked up David Pohina of Kolaa, Papaikou for speeding. The offender was fined \$15.00 by the U. S. Commissioner.

Building Fire Protection

Instructions in the use of the fire engine and the 2 $\frac{1}{2}$ " hose were given to nearly all permanent employees on the 26th. Following this everyone was shown the entire water system with an explanation of the various valves and a demonstration on how to start the pumps by Herbert Quick and Ben Moonaw.

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Accidents

A Mr. Max Colker of Hilo Electric Light Company wrapped a Company car around an Ohia tree at the Hilo Entrance on the 25th. He and his wife (the only other passenger) were only shaken up and scratched a bit. The car was almost a total loss.

Signs

Five more signs were put out this month. Lack of redwood posts is holding up putting up some signs which are complete except for posts.

Feral Animal Control

Three drives by MacKenzie plus other control work netted a total of 364 goats for the month.

13 pigs were destroyed during the month, 8 of which were sows.

Frank A. Hjort,
Chief Ranger.

2. Staff Reports - 1 reported

J

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

June 7, 1948

MEMORANDUM for the Superintendent.

Subject: Foreman's Monthly Report of Activities for May, 1948.

1. Routine maintenance, such as sanitation, janitor service and public camp ground cleanup and lawn maintenance, was carried out.
2. Routine maintenance and repairs to motor vehicles and heavy equipment were accomplished.
3. 10,000 feet of raveled pavement edges patched and shoulders redressed.
4. The undersigned made a trip to Honolulu to acquire a rolls crusher. Crusher was picked up and shipped via IST. The crusher is now installed and ready for operation. ... *Miss Mack - Note*
5. New Construction:
 1. Poured one tank base
 2. Erected two 100,000 gal. tanks.
6. Very little work was done on the old Uwekahuna museum.

Miscellaneous:

1. Motor vehicles mileage for month,	10,416 miles
2. Number of trips to Hilo	23
3. " " " " Wailuku Kahului	7
4. Water pump operation for month	24 hrs.

Herbert J. Quick
Herbert J. Quick,
Foreman C-M

*Excellent job - too add greatly to
value & interest of report -*

UNITED STATES
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JTB

June 7, 1948

MEMORANDUM for the Superintendent.

The narrative report of ranger activities for the month of May is respectfully submitted:

Weather Conditions

Clear days 2
Partly Cloudy 19
Cloudy 10
Rainfall total 7.09 inches
Maximum temperature 73 degrees on the 19th.
Minimum temperature 48 degrees on the 7th.

Patches of snow were visible from headquarters until the 22nd of the month.

Except for one day, the 2nd, winds were all from the N. E.

Maintenance

Some time was spent on telephone maintenance on the patrol line to Makaopuhi and also in the headquarters area. No phones were out of order in the park throughout the month except Makaopuhi for one day.

Work was started on the cleaning out of the Kilauea Iki trail. The section from the Lava Tube to the crater floor was completed.

The nursery is being readied for the koa seedlings to be planted there and later distributed to K.M.C. and the concessioner.

Concessioner

Further improvements in the kitchen including the addition of a new exhaust over the range, all stainless steel equipment to replace the steam table, dish washer and work tables has greatly improved the appearance and the sanitation of the Volcano House.

An inspection of the kitchen was made. Things in general were messy. The disposal of garbage and rubbish was not being handled properly but due to the installation of the above mentioned equipment the kitchen personnel were hard pressed to even get the meals out on time. Conditions will undoubtedly improve as soon as all equipment is installed and things are normal.

Concessioner (cont'd)

The storage rooms in back of the kitchen were congested with inflammable material left over from uncrating the new equipment.

The old dormitory continues to be both untidy and a fire hazard.

Interpretive Service

1942 Eruption film	45 min lecture	25 people - Lindsay
1942 " "	45 " "	21 " - Hjort

On weekends a ranger has been at the Lava Tube part of the time. Many contacts with visitors have been made there. The fern stipes have grown past the stage where they are prized as food. Vandalism to these plants has dwindled to an occasional thoughtless breaking off of a frond.

Research and Observation

Two dense patches of Eupatorium sp., a close relative of pamakani one of the worst pests ever introduced to the islands, were sprayed with 2-4-D on May 24 on the west side of Kilauea Iki trail. Pictures were taken before spraying, observation continues.

Ranger Davis spent one day noting forest conditions and gathering Koa seed.

On a trip down Kau Desert, through Pepeiau Kipuka, across Kaone to Halape the vegetation was found to be making a remarkable comeback from the previous overgrazing by feral goats. Comparison with conditions there two years ago are very favorable. Few goats were seen on this trip in contrast to many large bunches seen two years ago.

On this trip the bombing range was crossed where thousands of 0.50 cal. and 20 m.m. spent bullets as well as hundreds of fragments of various kinds of practice bombs were observed.

Police Protection

Routine patrols were continued. Several people were warned about picking flowers. The Lava Tube area was especially watched.

Lindsay picked up David Pohina of Kolaoa, Papaikou for speeding. The offender was fined \$15.00 by the U. S. Commissioner.

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Instructions in the use of the fire engine and the 2 $\frac{1}{2}$ " hose were given to nearly all permanent employees on the 26th. Following this everyone was shown the entire water system with an explanation of the various valves and a demonstration on how to start the pumps by Herbert Quick and Ben Moomaw.

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Five more signs were put out this month. Lack of redwood posts is holding up putting up some signs which are complete except for posts.

Feral Animal Control

Three drives by MacKenzie plus other control work netted a total of 364 goats for the month.

13 pigs were destroyed during the month, 8 of which were sows.

Frank A. Hjort
Frank A. Hjort,
Chief Ranger.



The car was almost a complete loss as the front wheels were torn from the frame and the frame crumpled.



With the rear end of the vehicle out on the highway it created a traffic hazard so it was pulled out of the park and off the highway where a wrecker from Hilo picked it up the next morning.



The vehicle finally came to rest against an ohia tree 105 ft. inside the park boundary at the Hilo Entrance.



After starting off the right shoulder of the highway 63 ft. back the vehicle hit a tree with the right front wheel which caused it to swerve around and come to rest against another tree with the rear tires 4 ft. onto the pavement.



Saddling up at Halape. Puu Kapukapu in the background.



The shack that is known as Pepeeau Shelter.



To start our desert trip we hauled the stock to the Footprints Trail in our new trailer recently converted from an Army searchlight trailer.



The stock was picked up at the end of the trip at Kipuka Nene. Trigger (the horse in the middle) was used for the first time on a trip of any length.

Hort -
Tule -

UNITED STATES
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Haleakala Section



Memorandum to the Superintendent

Subject: Haleakala Section Monthly Narrative Report for May, 1948.

Weather Conditions

The weather during May was very good for the most part until the end of the month when day-long driving mists held up outdoor work.

Maximum temperature 71
Minimum temperature 36
Total Rainfall 1.92
Clear days 11
Partly cloudy days 18
Cloudy days 2

Special Activities

On May 1, Mr. Ansel Adams, well-known photographer, commenced a five-day stay at Haleakala. Three days were spent in the Crater during which good weather provided Mr. Adams with many fine photographic subjects. He was driven to Lahaina where he did considerable work in pineapple fields and along the rocky coastline near the end of the road.

Inspections

Superintendent F.R. Oberhansley made his monthly inspection strip at the same time Mr. Adams was here and accompanied him into the Crater. He also met with Army officials who are in charge of the Red Hill station to discuss the future of that installation.

Maintenance

Three new laborers were acquired for the balance of the fiscal year to work on the Halemauu Trail. They are Adrian Dudoit, David Freitas, and Henry Burns. The work is being supervised by Laborer Mike Pszyk. Little has been done so far because of rainy weather.

The administration area now boasts a handsome flag pole that adds considerably to the appearance of the place. The project was completed early in the month by Mike Pszyk and Cliff McCall who did a very good job.

More broken canec was replaced in the crater cabins, doors adjusted, and water intakes at Paliku and Kapalaoa were thoroughly cleaned out and new screening devices were installed.

The connections on the new power line from the Lodge to the park area were tightened and all of the old wire was removed. This work was facilitated by the Maui Electric Co. who lent us a wire reeler.

Four hitching racks were made up by Tony Medeiros and Mike Pszyk. One has been installed near our garage for facilitating the loading of pack mules in that area. One will be placed at Holua, one at the Paliku ranger cabin, and the other will be placed at the beginning of the Sliding Sands Trail when it is brought around White Hill to the parking area.

The road-striping is complete with the exception of touching up spots where the striper cut out and painting over a few places where yellow paint slopped.

I have mentioned Mike Pszyk a number of times in this section of the report. His work has been very satisfactory since his arrival. He is enthusiastic, ambitious, versatile, and is always cheerful. He deserves a great deal of praise and credit.

Concessioner

The Haleakala Mountain Lodge business has picked up considerably this month on lodgings, meals, and crater trips.

Interpretive Services

A total of 130 were met on five Sundays and talked to informally. Two illustrated talks were given to 24 people at the Lodge. Many other casual contacts were made.

Observation

Three silverwords in the summit enclosure are beginning to send up blooming stalks.

Travel Status

Travel was up slightly over last month.

Ranger Service

Ranger time was spent assisting in building a flag pole, on goat control, Warden McCall is doing a fine job of training our horse, Maggie, showing Mr. A. Adams through the crater, cleaning out the crater water intakes, oiling saddle equipment, working on electrical lines, meeting the public, road-striping, and staining the fence posts at the summit silverword enclosure to help errase the eyesore that it formerly was. A total of 92 animal days were spent in the Crater of which 67 were park and 25 were Lodge.

Building Fire Protection

The monthly fire hazzard inspection of the Haleakala Mountain Lodge was made and conditions were found to be satisfactory. The fire extinguishers in the crater cabins were filled with carbon tetrachloride.

Destruction of Exotic Animals

During May, 94 feral goats and 1 pig were destroyed. Assisting Ranger A.B. Medeiros were the following men: Frank Freitas, Joe Marciel, Fred Ferriera, Fred A Castro, David Rego, Ben Franco, Edward Franco, Antone Silva sr, Antone Silva jr, Salvadore Santos, Tom Pahukoa, Arthur Amaral, and Clarence Marciel.

Respectfully submitted,

Richard J. Hartesveldt

Richard J. Hartesveldt,
Acting District Ranger.



The new flag pole
showing relation
to the office.
Taken from near
garage.



Base construction
of the new flagpole.



Views of the new transformer which was installed in April just north of the utility area.



10-23
(May 1923)
6-7410

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

FILE NO.

Superintendent's Monthly Narrative Report
for April, 1948

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
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HAWAII NATIONAL PARK
HAWAII

May 11, 1948.

Summary of April 1948 5-page Narrative Report for
Hawaii National Park

Weather Conditions, p.1.- Maximum and minimum temperatures at Kilauea headquarters 73° and 48°. At Haleakala ranger station, 65° and 38°. Total rainfall at Kilauea 10.26" and at Haleakala 4.70".

Special Activities, pp.1-2.- Superintendent served on Aloha committee for reception of officers and men of two submarines visiting the port and arranged their visit to the park. April 18-20 the Superintendent was in Honolulu attending meetings at University of Hawaii and Bishop Museum sponsored by the Pacific Science Board on the subject of conservation in Micronesia. Chief of Lands Richey also participated in these meetings. At conclusion of the meetings, they returned to park headquarters and Mr. Richey remained in the park until 10 AM the 23rd when he left for Maui for a quick inspection of the Haleakala Section. He left Maui 8:15 AM next day to make connections in Honolulu with the army plane on which he was booked for Japan. April 28 the Superintendent left for Kauai by plane at invitation of Mr. Colin Lennox, Chairman Ter. Board of Agr. & Forestry, to inspect Waimea Canyon and Napali Coast areas and to address the Board at its meeting at Kokee on the subject of how the area might be put to better public use. On the 30th he returned to Honolulu for various conferences and next day proceeded to Maui to meet with Army and Telephone Officials for an inspection of installations at Red Hill. Ansel Adams arrived in Park on the 21st on a photographic mission.

Interpretation & Research, p.2.- 42 earthquakes recorded in April. Usual naturalist program carried out, with special showing of movies to important visitors.

Maintenance, p.4.- Complete inspection of all wiring in park homes reveals a highly hazardous condition of electric wiring and an electrician has been hired to do some of the most necessary rehabilitation work on the electrical system. Concrete for three new water tanks was poured.

Protection, p.3.- The all-out protection given to tree ferns during the period the young stipes are edible resulted in completely stopping this vandalism at its inception for this year.

Travel, p.2.- Total visitors for April to Kilauea Section, 34,771; to Haleakala Section, 1,671.

Ranger Service, p.4.- Chief Ranger went to Maui April 16 and arranged for a 16 man goat drive in the crater, resulting in the elimination of 108 goats. 24 goats were destroyed in the Kilauea Section.

Concessioners, p.4.- Training service program extending over four weeks in April proved highly successful and beneficial to both the Park Service personnel and concessioner employees.

Cooperating Government Agencies, p.4.- Kilauea Military Camp donated to us a one hundred thousand gallon redwood water storage tank, which was surplus to their needs.

Personnel, p.5. - Vernon R. Bender arrived in the park on April 27 to assume his duties as park ranger.

Visitors, p.5.- As listed on that page.

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

May 11, 1948

MEMORANDUM for the Director.

There follows the report of activities in Hawaii National Park for the month of April, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 73° and 48°. At Haleakala ranger station, 65° and 38°. Total rainfall at Kilauea 10.26" and at Haleakala 4.70". The entire month of April was rainy, with the sun visible on very few days.

Special Activities

April 3-10 the Superintendent served on the Aloha Committee for the reception of officers and men of two submarines visiting the port of Hilo, and arranged for their visit to the park. A group of 20 men from the submarine "Kingfish" was given an illustrated talk on Hawaiian volcanoes during their brief visit to the park on April 4.

April 18-20 the Superintendent was in Honolulu participating in meetings at the University of Hawaii and Bishop Museum which were sponsored by the Pacific Science Board on the subject of conservation in Micronesia. Dr. Coolidge and other members of the Board, naval officers, representatives of the University of Hawaii, and local scientists also participated. Chief of Lands Richey took part in the discussions. The Superintendent introduced Mr. Richey to Governor Stainback and he discussed land problems in the Kalapana Extension. The Governor stated he would give consideration to this matter on his return from the mainland.

At the conclusion of the meeting on the afternoon of April 20, Mr. Richey and the Superintendent returned to the park so he could see as much of the park as possible during the short time at his disposal. Mr. Richey remained in the park until 10 A.M. the 23rd when he departed for Maui via Hawaiian Airlines for a quick inspection of the Haleakala Section. It was necessary for him to leave Maui at 8:15 A.M. of the 24th in order to make connections in Honolulu with the army plane on which he was booked for Japan to work on his assignment there.

April 28 the Superintendent left for Kauai by plane at the invitation of Mr. Colin Lennox, Chairman of the Territorial Board of Agriculture & Forestry, for the purpose of inspecting Waimea Canyon and the Napali Coast areas on that island, and to address the Board at its meeting at Kokee on the subject of how the area might be put to better public use. A special report has been made on this. The Superintendent remained in Kauai until the morning of the 30th, when he returned to Honolulu for consultation with Dr. Jaggard, Highway Engineer Carlson of P.R.A., Mark Egan of the Travel Bureau, and others, continuing to Maui next day to meet Army

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and Telephone Company officials regarding the installations on Red Hill and our desire to have that eye sore removed in view of the fact that more suitable locations in the immediate vicinity are available outside the park.

Ansel Adams arrived in the park on the 21st for a photographic mission. We provided him with necessary transportation and assisted otherwise in his getting good representative photographs of both sections of the park.

Research and Observation

Forty-two earthquakes were recorded in April. 38 of these were recorded at Mauna Loa and 14 of them recorded at Kilauea. The first of the two perceptible shakes occurred at 00:25 April 6. It originated near the north end of Kilauea caldera and had a very shallow focus. The second which occurred at 10:05 April 24 originated under the east slope of Mauna Loa.

The strong southerly tilt that set in about the first of the year continued until the last of April. The earthquake of April 6 appears to have been due to the rapid southerly tilt. There was a slight accumulation of westerly tilt during the month. A few of the cracks around Halemaumau that were measured showed a slight opening.

On Sunday, April 25, Mr. and Mrs. Oberhansley, Mrs. Quick and Sharon Quick observed a Nene (native Hawaiian goose) over Kilauea Iki in flight. This is the only sight record of this bird in the park since the Superintendent came here.

A three-day trip to the summit of Mauna Loa was made by Ansel Adams, Professor H. E. White (both in the Islands on Guggenheim fellowships), Ranger Jim Lindsay, Instrument-maker Bert Loucks, and the Acting Park Naturalist. Numerous photographs were taken, particularly by Mr. Adams. It is expected that some excellent photographs of the park will appear as the result of his labors. A series of 35 mm kodachrome transparencies were taken by Naturalist Hubbard for use in giving illustrated talks.

The mummified body of a Red-billed Liothrix (*Liothrix lutea*) was found in the rocks above the site of the old rest house near the summit of Mauna Loa. Practically no vegetation was seen above the 10,000 foot level and only one insect, a blowfly, was seen at the summit. Possibly the bird was blown to the summit by high winds.

Ranger Davis continues research on the Ohia die back, including a search of the files to consolidate all work done, past and present.

The salt blocks put out by Ranger Hartesveldt along the southwestern boundary show considerable usage but not enough to warrant trapping goats with salt rather than driving them in the manner now employed.

Increase or Decrease in Travel

Total visitors to Kilauea Section, 34,771, as compared to 37,356 in March. At Haleakala visitors totalled 1,671 as against 2,206 in March.

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Protection

The Superintendent alternated with the other uniformed staff members in manning the Thurston Lava Tube area and making special patrols to protect the tree ferns and to give interpretive services to visitors in connection with this activity. This was carried on after working hours and on off time.

The practice of gathering fresh stipes for food and sale flourishes over a period of one to two months, depending on the weather. In the park forests, as well as on adjacent territorial and privately owned lands, tree ferns have suffered for many years from this sort of vandalism. With fresh stipes selling for 90 cents a pound on the market, and the rapidly decreasing supply of accessible tree ferns outside the park, this problem is aggravated and makes it necessary to take extra precautions and put in considerable overtime during the critical season to eliminate this practice. Lack of checking stations and the complex circulation of park travel adds to the protection problems, but by closing the Hilo cut-off road (a short cut to the tree ferns) for one month, stepping up patrols and attending interpretive stations, we completely stopped this vandalism for the current year almost at its inception.

Construction of the proposed new approach road, with one entrance to the park, would greatly simplify our protection problems and eliminate the present undesirable traffic pattern.

Interpretation

The orientation program for guests at Kilauea Military Camp, begun last month, has proven quite successful. The program is held shortly following the arrival of the guests, with the commanding officer, special service officer, and the park naturalist participating. In addition to making the visitors feel that we are interested in them individually, it gives us an opportunity to mention national park regulations, especially those concerning the picking of flowers and shrubs, in a tactful manner. There has been a noticeable increase in visitor-participation in our scheduled activities since the program was initiated.

On the 10th the park was visited by more than 300 eighth grade students from Hilo Intermediate School. They were taken on a conducted tour by the park naturalist and chief ranger before holding a picnic in Bird Park. This group has shown considerable interest in Hawaii National Park, and has been given illustrated talks by our staff on several occasions.

Twenty-eight delegates and their families to the Hotel Association convention met at the Volcano House for luncheon, followed by a tour of the park and the 1942 eruption movie.

Publicity

The Honolulu Advertiser featured the Haleakala section of the park in its Polynesian section of the Sunday (April 11) edition, with three excellent photographs. Also, Haleakala was featured in an article entitled "Sword" in a recent issue of the Cosmopolitan magazine.

Ranger Service

The Chief Ranger made a trip to the Haleakala Section on the 16th to organize a goat drive. This drive was conducted on the cliffs of the west slope of Hanskuhi with the aid of 16 men from Maui, and resulted in the destruction of 108 goats. Perfect weather and all round good luck were experienced on the drive.

Two speeding cases were taken before the U. S. Commissioner - one case drew a fine of \$10, hearing for the other case is set for May 11.

In general the ranger division was occupied with routine patrols, etc., only three days having to be spent on the telephone system, all circuits of which at the end of the month were in good working order, including the circuit to Red Hill on Mauna Loa.

Maintenance

A complete inspection of the wiring of all park homes reveals a highly hazardous condition of electric wiring, and we employed an electrician to do some of the most necessary rehabilitation work on the electrical system.

Routine maintenance, such as sanitation, janitor service, and public campground cleanup, was carried out during the month. Repairs to motor vehicles and heavy equipment were accomplished. Converted one tilt-type trailer to a horse trailer for the ranger division. A complete inventory was taken and cards made up on all motor vehicles and construction equipment. Quarry operations were carried out the entire month and at present we have about 2,000 yards of crushed stone on hand. The weather has been such that it was impracticable to start laying seal coat.

New Construction

Poured three bases for water tanks. Cut and placed chine joists, erected one tank with the exception of putting on hoops.

Concessioners

The training service program which extended over four weeks proved to be highly successful and beneficial to both Park Service personnel and concessioner employees.

Some planting of exotic species of plants at the front entrance to the Volcano House was stopped and suggestions offered as to how to use native plants. Cooperation was complete and, with a little help from us, native plants will be used to fit in with the approved landscaping plan.

Cooperating Government Agencies

Kilauea Military Camp donated to us a one hundred thousand gallon redwood water storage tank, which was surplus to their needs.

Safety Meeting

A routine Park Safety Committee meeting was held on the 30th to clear several items through channels.

Exotic Animal Control

During the month, 24 goats were eliminated from the Kilauea Section, and 118 from Haleakala.

Maps, Plans and Surveys

Considerable time was spent by the Superintendent and Assistant to the Superintendent working on Master Plan, Statement of Significance, Theme of Development, Operations Prospectus, Kilauea Section and Development Charts.

Personnel

Vernon R. Bender, Jr., arrived in the park on April 27 to assume his duties as park ranger.

Miss Mack was assigned for a week's tour of duty at Haleakala beginning April 19, for the purpose of installing the up-to-date N. P. S. filing system, weeding out obsolete material accumulated over the years, and making properly captioned folders for each subject, as well as a complete set of index cards. She travelled back and forth via Hawaiian Airlines.

Visitors

Ansel Adams

Charles A. Richey, Land Division, Director's Office.

Chester H. Warlow, Fresno, Calif. (Grand Master of Masons)

Senior Federal Circuit Judge and Mrs. John Biggs, of Wilmington, Del.

Judge Biggs is Senior Judge of a 3-Judge Court sitting in Honolulu on several labor and communistic cases. He and his wife were taken on a trip through the park, including the Mauna Loa truck trail, and shown the eruption movies. We believe that the Park Service has made a warm friend as the result of this trip.

Dr. H. W. White, University of California, completed his mission here on April 19.

Walter Sandlin, Ukiah, California, Senior Grand Deacon of Masons.

Frank R. Oberhansley,
Superintendent.

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HAWAII NATIONAL PARK
HAWAII

May 10, 1948.

MEMORANDUM for the SUPERINTENDENT.

The monthly narrative report for April 1948 of the Chief Ranger is respectfully submitted:

Weather Conditions

A gradual letting up of the rain with some clear days this month has been welcome. Although the long rainy spell just experienced was monotonous and depressing, the vegetation in the area looks lush and green. The horse pasture and all the large grass areas are especially green. Jeggars' Cave at 13,000 ft. elevation on the north rim of Mokuaweweo crater was found to be full of ice up to the telephone.

Special Activities

An inspection trip was made to the Haleakala Section of the park by the Chief Ranger. A goat drive was conducted on the cliffs of the west slope of Hanakahi with the aid of 16 men from Maui, which resulted in the destruction of 108 goats. Perfect weather and all round good luck were experienced on the drive.

Maintenance

43 signs were installed this month, which completes most of the signs to be installed along the roads. The remaining signs to be erected are trail junction signs, etc. off the main roads.

The enclosures for the wiliwili plants at Halina Pali shelter was checked and repaired.

Only 3 man days were spent on telephone maintenance this month. At the month's end all circuits were working, including the circuit to Red Hill on Mauna Loa.

Concessioners

Some planting of exotic species of plants at the front entrance to the Volcano House was stopped and suggestions offered as to how to use native plants. Cooperation was complete. With a little help from us, native plants will be used to fit in with the approved landscaping plan.

Some ranger time was devoted to the program of information and training for concessioner employees.

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Interpretive Service

The ranger forces performed the following interpretive services:

Bird Park Nature Walk	18 people	1-½ hrs. - Davis
Bird talk (Kurtistown students)	60 "	1 hour "
3 showings 1942 Eruption film	68 "	1-½ hrs. Davis & Hjort

At one special request lecture and 1942 eruption picture Mr. John B. Shepperd, President of the United States Junior Chamber of Commerce, was present.

Research & Observation

The salt blocks put out by Hartesveldt along the southwestern boundary show considerable usage but not enough to warrant trapping goats with salt rather than driving them in the manner now employed.

Increase or Decrease in Travel

Although the weather was better this month than during March, no more visitors were observed in the park. Evidently visitors who make up their minds to see this park do so rain or shine.

Ranger Service

Ranger Vernon R. Bender, Jr., was welcomed to the Island as he came ashore in the early hours of the morning by the Chief Ranger and his wife. A lei was presented to Mr. Bender by the entire park staff. Presentation, including the customary kiss, was made by Mrs. Hjort. On his arrival at park headquarters he was introduced to all hands and their "wahines" (women). That evening a dinner was given the new arrival at the Volcano House by the rangers and their families.

Bender's past experiences with both the Park Service and the Army are coming in handy. Assistant Naturalist Hubbard especially received him with open arms in the photo lab. That dark and forbidding room will no longer see the Naturalist toiling alone.

Police Protection

Two speeding cases were taken before Commissioner Harry Irwin:

Philip Pakele,	Hilo	-	\$10 fine
Sixto Aragon,	Pahala	-	Hearing set for May 11

Building Fire Protection

On his first day of duty in the park, Ranger Bender was given a workout with the fire truck and other fire equipment.

The Volcano House was inspected for fire hazards. Several small irregularities were corrected on the spot. The overall picture was good.

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Insect & Tree Disease

Davis reports that a solitary fern weevil (Syagrius fulirtansis) that apparently got his signals mixed was observed feeding on the stems of a poha plant. This is a new host record for this pest.

Work continues on research on the Ohia die back, including a search of the files to consolidate all work done, past and present.

Public Health

The Volcano House and other concessioner buildings were inspected. The kitchen and dining-room were quite free from dirt and objectionable practices. The old dormitory continues to be a mess.

Feral Animal Control

The following animals were removed from the park during the month:

Goats,	24
Pigs,	6
Cats,	1
Rats,	1

No drives were held by MacKenzie.

Frank A. Hjort,
Chief Ranger.



Use of Quickway crane and shovel obtained from surplus under P. L. 478 in mixing and carrying concrete for foundations of new water tanks



Shop-fabricated concrete carrier in use. Note landing mat in use as reinforcement



Second row of water tanks under construction. Note use of Quickway crane to carry cement from mixer to form.



Rotted foundation beneath 500, 000 gallon tank, bottom of which collapsed in 1946

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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII

May 5, 1948.

MEMORANDUM for the Superintendent.

Subject: Foreman's Monthly Report of Activities.

1. Routine maintenance, such as sanitation, janitor service, and public campground cleanup, was carried out during the month.
2. Routine maintenance and repairs to motor vehicles and heavy equipment were accomplished. Converted one tilt-type trailer to a horse trailer for Ranger Division.
3. Started patching depressions on Section 3-A of Mamalahoa Highway to bring it up to original cross-section prior to applying two-shot seal coat treatment.
4. Quarry operations were carried out the entire month and at present have about 2,000 yds. of crushed stone on hand. The weather has been such that it is impracticable to start laying seal coat.
5. New Construction
 1. Poured three bases for water tanks.
 2. Cut and placed chine joists, erected one tank with the exception of putting on hoops.
6. Started converting the old Uwekahuna museum to offices and machine shop for Geological Survey.
7. A complete inventory was taken and cards made up on all motor vehicles and construction equipment.
8. Miscellaneous
 1. Motor vehicle mileage for month, 10,201 miles
 2. Water pump operation for month, 8 hours
 3. Water chlorinated and tested twice.
 4. Number of trips to Hilo 22 trips
 5. Number of trips to Kahului and Wailuku, 10 trips
 6. Several meetings of the Reappraisal Committee were held and all quarters reappraised to cover furniture and heating stove furnished by the Government.
 7. Attended one Safety Meeting.

Herbert J. Quick,
Foreman, C. & M.

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



Memorandum to the Superintendent

Subject: Haleakala Section Monthly Narrative Report for April, 1948

Weather Conditions

Weather during April was a great improvement over that of March in spite of few totally clear days.

Maximum temperature 65
Minimum temperature 38
Total Rainfall 4.70
Clear Days 5
Partly Cloudy days 23
Cloudy days 2

Inspections

On April 23, Mr. C.A. Richey, Assistant Chief of Lands for the National Park Service paid a hurried visit to Haleakala while en route to Japan. The weather was good and he was shown as much of the park as time would permit.

Chief Ranger Frank A Hjort spent a week here helping us install a new transformer.

Miss Mack spent four days in reorganizing the files according to the Park Service filing scheme. The time was well spent and the files are in good order.

Maintenance

Laborers time was spent mostly on road up-keep and cleaning. Considerable work was done in the observation station replacing scratched windows, repainting areas where names have been scratched, and repairing the broken benches. The electric eye has been installed again and is not quite finished. It is located about 35 yards in back of the ranger office. The plastic-coated wire has all been piped underground and new housing boxes have been constructed. Credit for a good job well done goes to Mike Pszyk who engineered the project.

Laborer Charles K. Hamili has signed up for a three-year hitch in the U.S. Army. A pending physical examination in Honolulu on the 5th of May will determine whether or not he will leave the Park Service. If taken, we are losing a good man.

New Construction

The new transformer has been installed near the residence area and new power line has been strung from the Haleakala Mountain Lodge. The electric service has been greatly improved by this addition.

Concessioner

Business for the Haleakala Mountain Lodge has only been fair for the month. Meals and lodgings were quite good and crater trips were very poor.

Research and Observation

Goats are becoming increasingly venturesome outside the crater along the road and even down on the Halemauu Trail near the 8,000 ft entrance. They have been seen in here five times during the month.

A report was made of goat damage to silversword plants on the silversword trail near Holua. A complete investigation revealed only insect damage to the leaves that could easily have been mistaken for goat browsing. There were no tracks or droppings in the area that I could find.

Travel

Despite good weather, travel is far below that of last month and also below April of last year. Number of people registered in the summit registration book, 720.

Ranger Service

Ranger time was spent shoeing animals, training Maggie, our gov't. horse, on goat control, assisting laborer Pszyk on observation station repairs and installing the electric eye, cleaning up the junk around the old rest house, installing the new power line and transformer, and meeting the public on Sundays. A total of 192 people were talked to informally at sunrise. Twenty-eight animal days were spent in the crater of which sixteen were Lodge and 12 were Park.

Police protection

One of the names found scratched on the woodwork at the observation station matched with the following name and address in the registration book:

Lynette Lum,
1070 Young Street,
Honolulu, T.H.

Destruction of Exotic Animals

During April, 118 goats were destroyed in the Crater. Goats are already numerous in the Hanakauhi-Waikau section of the Crater.

Respectfully submitted,

Richard J. Hartesveldt,
Acting District Ranger.

*Miss Macke
Note for report - JD*

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

May 5, 1948.

MEMORANDUM for the Superintendent.

Subject: Foreman's Monthly Report of Activities.

1. Routine maintenance, such as sanitation, janitor service, and public campground cleanup, was carried out during the month.
2. Routine maintenance and repairs to motor vehicles and heavy equipment were accomplished. Converted one tilt-type trailer to a horse trailer for Ranger Division.
3. Started patching depressions on Section 3-A of Mamalahoa Highway to bring it up to original cross-section prior to applying two-shot seal coat treatment.
4. Quarry operations were carried out the entire month and at present have about 2,000 yds. of crushed stone on hand. The weather has been such that it is impracticable to start laying seal coat.
5. New Construction
 1. Poured three bases for water tanks.
 2. Cut and placed chine joists, erected one tank with the exception of putting on hoops.
- ~~6.~~ Started converting the old Uwekahuna museum to offices and machine shop for Geological Survey. *Omit from report until we receive confirmation from Dir. on Reg. Recommendation.*
7. A complete inventory was taken and cards made up on all motor vehicles and construction equipment.
8. Miscellaneous

1. Motor vehicle mileage for month,	10,201 miles	
2. Water pump operation for month,	8 hours	<i>omit</i>
3. Water chlorinated and tested twice.		
4. Number of trips to Hilo	22 trips	
5. Number of trips to Kahului and Wailuku,	10 trips	
6. Several meetings of the Reappraisal Committee were held and all quarters reappraised to cover furniture and heating stove furnished by the Government.		
7. Attended one Safety Meeting.		

Herbert J. Quick
Herbert J. Quick,
Foreman, C. & M.

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

May 4, 1948

MEMORANDUM for the Superintendent.

Subject: Monthly Report of Assistant to Superintendent and Acting
Resident Engineer Benjamin F. Moomaw, Jr., for ~~April~~ ^{May} 1948.

General

Except as noted below the month was spent on routine activities, and trying to keep dry during the almost continuous rain.

Special Activities

19th to Hilo, in order to take the W.A.A. Inspecting team to the airport for their return to Honolulu.

22nd to Kona and around the Island with Assistant Chief of Lands Ritchey for a "Glimpse Inspection" of the Foot Prints area of the Park and general Hawaii scenic and general conditions.

23rd with Ansel Adams on a general Park tour in order that Mr. Adams could get a general idea of the Park's geography.

27th gave weekly orientation talk to visitors at K.M.C. that had arrived earlier in the day for their weeks's visit.

Inspections

16-19 W.A.A. Inspectors (see FRO's Report)

21-24 "Chuck" Ritchey (see FRO's Report)

Maps, Plans and Surveys

✓ 2 - 6, 13, with Superintendent working on Master Plan, Statement of Significance, Theme of Development, Operations Prospectus, Kilauea Section and Development Charts.

✓ 16-20 thanks to the arrival of "Cello-Clip" tabs the Map and Plan Files have again been brought up to date and are now in order for the first time since 1946.

Visitors

✓ 28th Delegates and families to Hotel Association Convention met at Volcano House for luncheon followed by a tour of Park and Eruption movies.

✓ 28th-29th Senior Federal Circuit Judge and Mrs. John Biggs of Wilmington, Delaware (3rd Circuit), were taken on a park tour, including the Mauna Loa Truck Trail.

Judge Biggs is senior Judge of a 3 Judge Court sitting in Honolulu on several labor and communistic cases. We believe that the Park Service has made a warm friend as the result of this trip.

Ranger Activities

I joined the other members of the uniformed staff throughout the month in rendering protection to the Ferns in the Lava Tube area.

✓ Safety

Sat in with the K.M.C. regular council meeting on the 9th and rendered advice on clearing of exotic plantings around various road and driveway inter sections within the camp.

A routine Park Safety Committee meeting was held in my office on the 30th to clear several items through channels.

Benjamin F. Moomaw, Jr.
Benjamin F. Moomaw, Jr.
Asst. to Superintendent.
Actg.

Tenth monthly report of the librarian of the Hawaiian Volcano Observatory and the Hawaii National Park for April, 1948.

During the month of April the library received the following titles by purchase and gift.

"Volcanoes declare War" and "Origin and Development of Graters", by Dr. Jaggar. Gift of the author.

"Transactions of the 11th and 12th North American Wildlife Conferences." Purchased with funds of the Hawaii Natural History Association.

200 pamphlet boxes were cleaned and re-labeled for use in shelving the cataloged material.

559 items were accessioned and 872 items cataloged unaccessioned. 413 titles, 7 added copies and 1,103 added volumes were cataloged and classified: 337 with typed cards, 76 with L. C. printed cards. 413 shelf list cards were typed. 1,100 cards were typed and filed in the catalog: 675 typed cards and 425 L. C. printed cards. 1,523 items were marked and shelved. Miss Evelyn Ah Sing, typist in the Park Headquarters, assisted the librarian by typing 625 cards: 125 L. C. printed cards and 500 typed cards.

Mary Melton
Mary Melton
Librarian

42
38
4

3

May 5 1948

From the monthly report of the Hawaiian Volcano Observatory

38 earthquakes recorded at G.F.

38 ✓
24 ✓
14 ✓

Forty two earthquakes were recorded in April. Thirty eight shakes were recorded at Mauna Loa or 24 more than at Kilauea. The first of the two perceptible shakes occurred at 00:25 April 6. It originated near the north end of Kilauea caldera and had a very shallow focus. The second which occurred at 10:05 April 24 originated under the east slope of Mauna Loa.

The strong southerly tilt that set in about the first of the year continued until the last of April. The earthquake of April 6 appears to have been due to the rapid southerly tilt. There was a slight accumulation of westerly tilt during the month.

A few of the cracks around Halemaumau that were measured showed a slight opening.

10-23
(May 1929)

0-7410

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

FILE NO.

Superintendent's Monthly Narrative Report
for March 1948

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

April 12, 1948.

Summary of March 1948 7-page Narrative Report for
Hawaii National Park

Weather conditions, p.1.- Maximum and minimum temperatures at Kilauea headquarters 70° and 38°. At Haleakala ranger station 60° and 35°. Total rainfall at Kilauea 13.92"; at Haleakala 8.02".

Special Activities, pp.1-2.- Attended Big Island Fish and Game Assn. annual meeting April 2. Conferred with Governor Stainback during his visit to the park April 5 in connection with an inspection of Kulani Prison, 8 miles from the park. It is aimed to enlarge the present prison camp with final prospect of moving the entire prison from Oahu to Hawaii. The principal project of the prison is to log off the fine stands of native hard woods, especially ohia and koa, which is milled at the camp and shipped to mainland markets. April 8 to 12 inspection was made of the Haleakala section. With additional help assigned to that section, it was found generally in better condition than it has ever been before. It was noted the Army has completely abandoned operation at Red Hill.

Interpretation, Research & Observation, p.2. Total earthquakes recorded in March, Mauna Loa 24, Kilauea 21. In the absence of Dr. Powers on the mainland, Assistant Park Naturalist is carrying on scheduled naturalist programs.

Maintenance, p.3.- Road crew sent to Maui in February completed assignment of repairing storm damage to Haleakala road and returned to headquarters. During lay-off of 30 days of all WAE employees, major repairs were made to equipment to insure its being in first-class shape when put back into operation.

Quarters Rehabilitation, p.3.- Ranger station at Haleakala put in first-class condition and several cabins in the crater were equipped with new canvas. Rehabilitation of Quarters 24 and 25 at headquarters area was also accomplished.

Ranger Service, p.4.- Gives complete daylight-hour protection to tree ferns at Thurston Lava Tube account the public removing the new strips which at this time of year are used for food by many islanders.

Exotic Animal Control, p.4.- As a result of driving, in the Kilauea section 1,563 goats were removed during March; at Haleakala 56 goats were destroyed.

Travel, p.5.- Travel for Kilauea section was higher than in February, in spite of almost continual rain. Travel figures for Kilauea were 37,356; for Haleakala, 2,206.

Persomel Activities, p.6.- Park Staff entertained at an Aloha dinner on the 15th for Colonel and Mrs. James V. Ware and officers of EMC on the eve of Col. Ware's departure to a new duty station in Texas.

Visitors, pp. 6-7- As listed.

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

April 9, 1948

MEMORANDUM for the Director.

Following is report of activities in Hawaii National Park for the month of March, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 70° and 38°. At Haleakala ranger station these recordings were 60° and 35°. Total rainfall at Kilauea was 18.92" and at Haleakala 8.02". In the Kilauea section rain fell every day (and mostly all day long) during the month of March.

Only once during the month were the high mountains visible and then for a very brief period when it was seen their tops were covered with snow.

Special Activities

April 2 the superintendent represented the Park Service at annual meeting of the Big Island Fish and Game Association. Our statement of policy regarding feral goat and pig control, i.e., that we do not class these animals as "wild-life" but as pests whose impact upon park forests justifies continuing major control measures, was concurred in by the Fish & Game officials and those of the territory present.

April 5 conferred with Governor Stainback during his visit to the park in connection with an inspection of Kulani Prison. The Governor is enthusiastic over the development of the prison, which is only eight miles from the park. The major interest of the Territorial Department of Institutions and the Governor concerning the present camp is to enlarge it and concentrate as many prisoners there as possible with the final prospect of moving the entire prison from the island of Oahu to Hawaii. The principal project of the prison is to log off the fine stands of native hard woods, especially ohia and koa, which is milled at the camp and shipped to mainland markets. Before the prison was moved to Kulani these forests perhaps represented the finest virgin stand on this island.

April 8 to 12 inspection was made of the Haleakala section of the park. Discussions were had with some of the leading citizens of Maui representing the Chamber of Commerce, Rotary, and other groups, concerning the program and plans for Haleakala. The staff at Haleakala now consists of an acting district ranger, one park ranger, one park warden, one laborer, and from one to six HAE's who are employed from time to time on roads and trails. With the exception of serious goat damage in the crater, the Haleakala section is generally in better condition than it has ever been before as a result of increasing the staff from one district ranger to its present size.

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Special Activities (cont'd)

It was noted that the Army has completely abandoned operation at Red Hill. This matter has been taken up with General Decker and it is hoped, as soon as we can confirm our information that it will be of no further use to the military, that restoration of the area can be initiated with the least possible delay.

Interpretation, Research & Observation

The total number of earthquakes recorded by the Mauna Loa seismograph in March was 21; at Mauna Loa 34. The strongest earthquake of the month occurred at 4:18 PM March 19. It originated deep under Kilauea and was generally felt over the eastern part of the island of Hawaii. There was a slight accumulation of easterly tilt since the middle of February. As westerly tilt is usual for this season of the year, the easterly tilt gives some indications of pressure increase under Mauna Loa. The rapid southerly tilt that started at the beginning of the year continued throughout the month. The long continuance of such a tilt, or an increase in the rate, is usually followed by earthquakes in the vicinity of Kilauea Crater. Such shakes cannot be taken as signs of impending activity at Kilauea.

In the absence of Dr. Powers on the mainland, Assistant Park Naturalist Hubbard is acting in his place.

As a result of conferences held with the new Commanding Officer of KMC, Lt. Colonel Thornburg, a joint orientation program was decided upon to be presented to visitors shortly after their arrival at the camp once a week. This program would combine a welcome and discussion of our weekly program with a brief mention of National Park Service policies concerning the preservation of natural features.

On March 1 the Acting Park Naturalist gave a talk on the volcanoes of Hawaii National Park, with movies, to approximately 200 grade school students in Honolulu. Five similar talks were given to approximately 500 students of the Hilo Intermediate School on March 9.

The Park was visited by 120 officers and men of the Philippine Navy on March 14. Under the command of LCDR Carlos Alberto and accompanied by Consul-General Modesto Farolan, the group was given a conducted tour followed by a showing of the 1942 Mauna Loa eruption kodachrome movie.

On March 22 approximately 300 Boy Scouts from Hawaii and the neighboring islands visited the park, and were taken on a tour of the park.

On March 1, while conducting the regular Nature Walk, a Hawaiian bat (Lesiurus sennatus), recognized as the only native mammal which reached the Hawaiian Islands "under its own power," was observed feeding near the entrance to Eipuka Puzulu. This was at 9:30 a.m. The bat continued to feed, in broad daylight, for

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Interpretation, Research & Observation (Cont'd)

20 minutes while we watched it, and was still flying in leisurely circles, darting now and then in pursuit of an insect, when we continued on our way. At the same time on the following Monday, March 8, a bat was seen doing the same thing in the same area, and was watched for about 10 minutes. A young man along on this day reported that he had seen a bat in the same place at about 10 a.m. on March 6. It is planned to write this observation for the General Notes section of the Journal of Mammalogy.

Dr. Harvey White, Professor of Physics, University of California, arrived in the park on March 31 for two or three weeks study of the lavas to determine if they may be products of nuclear fission, which might account for the source of volcanic heat in the park.

The Koa plots were checked this month. No cattle were found in the large plots.

New Construction

A new glass cover of a better design was constructed over the footprints in the Footprint area to protect the footprints from vandalism and water damage caused by condensation on the glass of the former structure.

Maintenance

The road crew sent to Kani in February completed the assignment of repairing storm damage to the Haleakala road and they returned to park headquarters on March 3.

All NAE employees were laid off for a period of 30 days to meet Civil Service regulations requiring they must have a break in service each year. During this lay-off, major repairs on equipment were done so as to insure this equipment being in first-class shape when put back into operation.

Quarters Rehabilitation

Rehabilitation of ranger quarters at Haleakala was completed and the carpenter sent over to do that work returned to park headquarters.

Cabins in the Haleakala crater were given needed rehabilitation in the way of new canvas.

Rehabilitation of Quarters 24 and 25 at headquarters area was also accomplished, the latter being completely refinished inside, floors sanded, new linoleum installed. This same work was started on Quarters 19.

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Ranger Service

Ranger Davis conducted a tour for Mr. English, Assistant Editor of Boy's Life and accompanying boy scouts, and showed the 1942 eruption film to a group of 60. Chief Ranger Hjort showed the same film during the month to a group of 20. The ranger force spent considerable time laying underground telephone cable to the park houses. This project now is complete except for quarters No. 28. Four signs were reset and seven new signs were set out this month.

Since this is the season when the park suffers most from vandalism to ferns, frequent inspections were made throughout the park. Up to March 21, practically no damage had resulted, but within the next five days serious inroads were noticeable in the vicinity of the Thurston Lava Tube. It is during the early stage of growth that the tree fern stipes are used for food by many of the local residents. This type of vandalism has been completely eliminated by manning the Thurston Lava Tube area, where practically all the fern damage occurs. Since this is one of the most important focal points in the park, interpretive service and interior travel counts are made in connection with preserving the area.

It is noted that in forests adjacent to the park, tree ferns are being removed wholesale for use in the islands and shipment to the mainland to be used in the flower-growing industry. It is also noted that local citizens have been removing new stipes from tree ferns in forests adjoining the park by the truckloads. These stipes are now on sale in various stores at 45 cents a pound. One arrest was made by the Territorial Forester and the offender was given a fine of \$50 for this violation.

Exotic Animal Control

On the 21st the superintendent participated in a goat drive with Mr. Gordon McKenzie and 27 other horsemen in the Hilina Fali-Popoiau section. These drives are carefully planned and only experienced men are employed. It is anticipated that a minimum of two thousand goats will be removed from the park this year. A total of 1,563 goats was eliminated from the Kilauea section in March, together with 24 pigs. At Haleakala 56 goats were destroyed.

Cooperating Government Agencies

Assistant to the Superintendent Hoonaw spent the 9th and 10th in Hilo in conference with USPD and other Army officials in regard to excess property release as a result of the completion of the Hilo breakwater. A large quantity of supplies, such as lumber, jack bits and drill steel were secured without paper work or exchange of funds. This was the result of the fact that this construction job inherited large quantities of unrecorded residual material from other Army Agencies as they closed up between V-J Day and the completion of this construction.

The Commanding Officer at Kilauea Military Camp cooperated to the fullest in securing equipment from the USPD for joint use between KMC and the Park.

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Cooperating Government Agencies (Cont'd)

March 23 the superintendent conferred with Colonel Ellis of Fort Ruger regarding installations on Red Hill.

On the 25th Major General Decker, second in command to General Hull, called at headquarters and discussed matters pertaining to the operation of KMC.

Cooperating Non-Government Agencies

On March 12th the superintendent conferred with Mr. Clem Akina, Chairman, Board of Supervisors, County of Hawaii, and with County Engineer Padgett concerning phases of the park's Master Plan and policies of the Service regarding protection and preservation of the area.

Maps, Plans and Surveys

The annual revision of the FCP and Priority Lists was completed during the month and mailed on the 31st.

Park projects to be completed by the end of the fiscal year were planned and priorities established. Principal projects that have been visioned for completion by July 1 are (1) Park Water System, (2) seal coating approximately $3\frac{1}{2}$ to 4 miles of park roads that are in most serious need of repair, (3) various major repairs and rehabilitation projects, (4) initiation of goat drives in Haleakala crater on a continuing experimental basis which it is hoped will result in a satisfactory method of continuing control.

Police Protection

Two arrests for speeding were made; one case before the U. S. Commissioner resulted in a fine of \$15.00; the other case has not yet come up.

Chief Ranger Hjort and Ranger Lindsay were given special police commissions by Chief of Police George Larson, Hawaii County, T. H. Ranger Davis already has such a commission.

Increase or decrease in Travel

In spite of almost continuous rain throughout March, the travel was much greater in the Kilauea section than for February. This was due in part to the snow on Mauna Kea in February which drew most islands visitors to visit Mauna Kea rather than the park. The travel figures for Kilauea were 37,356 for March. In the Haleakala section travel fell far below that of last month, presumably because of rain and total lack of snow. The travel figures for Haleakala were 2,206.

Status of Private Lands

Ranger Davis brought the N.P.P. L-3 forms up to date on the Kalapana Extension. New priorities were attached to the various tracts of land. A tax map was secured from Hilo Tax Office which should prove valuable for future reference.

HAWAII NATIONAL PARK

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Natural History Association Activities

A good sale has been found in the Park for the Ma-ani post cards put out by Hawaiian Service. Approximately 250 of these cards were sold the first week after they were received.

Information has been requested from four Kodachrome-finishing firms concerning the possibility of having the 16 mm kodachrome movie of the 1942 Mauna Loa eruption, now offered for sale, reduced to 8 mm. There are almost as many inquiries concerning its availability in 8 mm size as there are sales for the 16 mm.

Photography

The Review and presentation of Victory Medals held in honor of Colonel James V. Ware, terminating his tour of duty as Commanding Officer at K.M.C. was covered photographically. The negatives were developed and prints wet-enlarged and air-mailed to the Honolulu newspapers. The same was done with the salute which he was rendered by the entire station complement as he left the following day.

Personnel Activities

On the evening of March 15 the park staff entertained at an Aloha dinner, at the Volcano House, Colonel and Mrs. James V. Ware and the officers of FMO. Colonel Ware was reassigned from his post as Commanding Officer to a new duty station in Texas. They departed from the park on March 16. Lt. Colonel Karl S. Thornburg, who has been the Executive Officer under Colonel Ware, has been promoted to Commanding Officer to succeed Colonel Ware.

Visitors

On the 19th Miss Hackmeister, Chief Telephone Operator at the White House, visited the park accompanied by Mrs. Martin Ponce.

Mr. Modesto Farolan, Consul General, Republic of the Philippines.

Mr. & Mrs. H. W. Prentiss. Mr. Prentiss is President of the Armstrong Cork Co., Lancaster, Pa., and Past President of the National Association of Manufacturers.

Mrs. E. H. Statler, of Statler Hotel Company, New York City

Mr. Edwin Q. Cannon, President Salt Lake Utah Stamp Co. (Mr. Cannon's father, George Q. Cannon, headed the first missionary work of the Latter Day Saints on these islands and made several trips between the island of Maui and Hawaii in an outrigger canoe).

Dr. Harvey White, Professor of Physics, University of California.

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Visitors (Cont'd)

Mr. James W. English, Assistant Editor Boy's Life Magazine. Mr. English spent two days in the Haleakala crater and several days in the Kilauea section. He plans to write a series of articles for his magazine about his experiences in Hawaii and his Haleakala trip is to be included.

Lieutenant Commander Carlos Alberto, Philippine Navy.

Frank R. Oberhansley,
Superintendent.



Entire station complement of Kilauea Military Camp line up in drizzling rain to give final salute to Colonel James V. Ware as he leaves the Camp.



Head table at Aloha dinner given by Park Staff in honor of Colonel and Mrs. Ware and attended by K.M.C. officers and families. From left, Fred Ware, Mrs. Thornburg, B. F. Moomaw, Jr., Mrs. Ware, F. R. Oberhansley, Mrs. Oberhansley, Colonel Ware, Mrs. Moomaw, Lt. Colonel Karl Thornburg



Only one stipe remains on this Hapuu fern (Cibotium chamissoi) where there were five. This vandalism took place at the Lava Tube.



This Hapuu fern near the entrance to the Lava Tube has been damaged year after year. One new stipe is coming out (center) but the old fronds are practically dead.

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

April 2, 1948

MEMORANDUM for the Superintendent.

SUBJECT: Narrative Report for March, 1948 of Assistant to Superintendent
and Acting Resident Engineer Benjamin F. Moomaw, Jr.

Special Activities

The undersigned was on his first annual leave since his return from Military Furlough during the month as indicated below:

March 3 - 5	2 1/2 days
March 15 - 28	10 days

Except as noted below all other time was expended on routine work.

Maps, Plans and Surveys

The annual revision of the PCP and Priority Lists were completed during the month and mailed on the 31st.

Cooperating Government Agencies

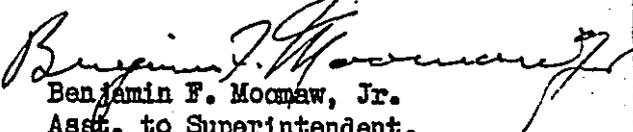
9th and 10th were spent in Hilo in conference with USED and other Army officials in regard to Excess Property released as a result of the completion of the Hilo Breakwater.

A large quantity of supplies such as lumber, jack bits and drill steel were secured without paper work or exchange of funds. This was the result of the fact that this construction job inherited large quantities of unrecorded residual material from other Army Agencies as they closed up between V-J Day and the completion of this construction.

The CO of Kilauea Military Camp cooperated in the fullest in securing equipment from the USED for joint use between KMC and the Park.

Protection

The undersigned aided the other uniformed staff members in standing watch at the Lava Tube in order to protect the ferns from vandalism during this critical period.


Benjamin F. Moomaw, Jr.
Asst. to Superintendent.

B.P.M. 4/14/48

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



April 1, 1948

Memorandum to the Superintendent
Subject: Haleakala Section Monthly Report for March, 1948.

Weather Conditions

The weather during the month was particularly disagreeable with rain falling on nearly every day. Travel was greatly affected by this condition. The crater was filled with clouds for a great portion of the month.

Maximum temperature	60
Minimum temperature	35
Total rainfall	8.02"
Clear days	2
Partly cloudy days	17
Cloudy days	12

Inspections

On March 8, Superintendent F.R. Oberhansley and Park Foreman H. Quick arrived to make an inspection of the Haleakala Section. Accompanying them was Mr. S. Kawasaki who commenced the much-needed repairs on the ranger's quarters.

Maintenance

Maintenance activities consisted mostly of repairs and redecoration of the ranger's quarters and the installation of diesel oil burners in each of the quarters in the CCC buildings. The broken canec was replaced in the Holua cabin and canec has been cut for replacement in the other cabins. Some time was spent on trail repairs and a portion of the road was striped. As laborer C.K. Hamili was on leave during a greater part of the month, the ranger division took care of the only road maintenance, the removal of rocks.

Concessioner

Despite bad weather, business has been fairly good for the Haleakala Mountain Lodge. Crater trips and lodgings made up most of the monetary returns. A few crater trips had to be cancelled because of bad weather. I have heard many enthusiastic reports from Lodge visitors about the fine meals and accomodations.

Research and Observation

Some observations have been made on the goat problem here and will be included in a separate report on that subject.

The silversword seeds planted in January have not germinated.

Travel Status

CORRECTION

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

•senoaliv

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



April 1, 1948

Memorandum to the Superintendent
Subject: Haleakala Section Monthly Report for March, 1948.

Weather Conditions

The weather during the month was particularly disagreeable with rain falling on nearly every day. Travel was greatly affected by this condition. The crater was filled with clouds for a great portion of the month.

Maximum temperature	60
Minimum temperature	35
Total rainfall	8.02"
Clear days	2
Partly cloudy days	17
Cloudy days	12

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Travel Status

Travel fell far below that of last month presumably because of rain and total lack of snow. There were 749 names entered in the summit register book this month and 1760 names were entered in February (omitted in the last monthly report).

Visitors

Mr. James W English, assistant editor of the Boy's Life magazine visited Haleakala and spent two days in the Crater with a group of Maui Boy Scouts. He plans to write a series of articles for his magazine about his experiences in Hawaii and his Haleakala trip is to be included.

Ranger Service

Ranger time was spent on cleaning the crater cabins, packing fire wood and other materials into the crater, goat control, cleaning the road, assisting the maintenance crew in house repairs and the installation of an electric generator, striping the road, repairing Coleman lanterns, shoeing the animals, recharging fire extinguishers, and cleaning up around the old rest house. About 250 people were met for sunrise. There was a total of 60 animal days in the crater of which 27 were park and 33 were Lodge. Joe Marciel and Frank Freitas accompanied Ranger Medeiros on goat control in the crater.

Building Fire Protection

All foamite and carbon tet fire extinguishers were recharged or refilled. Last date of recharging was 1942.

The monthly fire hazzard inspection of the Haleakala Mountain Lodge was made and conditions were found to be satisfactory.

Publications

No sales of books (Hawaii Natural History Association) were made during the month.

Destruction of Predatory Animals

During March, 56 goats were destroyed.

Respectfully submitted,

Richard J. Hartesveldt
Richard J. Hartesveldt,
Acting District Ranger.

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

April 9, 1948.

MEMORANDUM for the Superintendent.

Subject: Monthly report for March, 1948.

Maintenance

The road crew sent to Maui in February completed the assignment of repairing storm damage to the Haleakala road and they returned to park headquarters on March 5.

We laid off all WAE employees for a period of 30 days to meet Civil Service regulations that they must have a break in service each year. During this lay-off major repairs on equipment were done so as to insure this equipment being in first-class shape when put back into operation.

Construction

A new ^{*glass cover*} ~~shrine~~ of a better design was constructed over the footprints in the Footprint area to protect the footprints from vandalism and water damage caused by condensation on the glass of the former structure.

Quarters Rehabilitation

Rehabilitation of ranger quarters at Haleakala was completed and the carpenter sent over to that work returned to park headquarters.

Rehabilitation of Quarters 24 and 25 at headquarters area was also accomplished, the latter being completely refinished inside, floors sanded, new linoleum installed. Rehabilitation of Quarter 19 was started.

Herbert J. Quick
Herbert J. Quick,
Foreman, Const-Main.

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

April 9, 1948

MEMORANDUM to the Superintendent.

The monthly narrative report of ranger activities for March 1948 is respectfully submitted.

Weather Conditions

Because there were very few clear days this month some of the work on telephone maintenance was delayed. Rain also kept us from goat control on Mauna Loa.

Status of Private Lands

Ranger Davis brought the N.P.P. L-3 forms up to date on the Kalapana Extension. New priorities were attached to the various tracts of land. A tax map was secured from Hilo Tax Office which should prove valuable for future reference.

General Publicity

An article published in News Week, April 5, says pressure is being brought to bear on the National Park Service to open up the park for exploration of oil.

On April 7, a radio news item stated that a committee was looking for underground areas to house war plants. Mammoth Cave was mentioned as a possibility.

Almost every Sunday the magazine section of the Honolulu Advertiser has had pictures of either Haleakala section or Kilauea section with a short story about the particular place shown. Most of the articles gave credit to the area as being in Hawaii National Park. Too many articles in the past fail to mention the park.

Maintenance

Cable was laid to residences #13, 23, 24, and 25 which puts the phone lines underground for all park houses except #28. Since #28 is due to be removed no cable will be laid to it. All other phone lines are now in working order. No patrol phones have been out of order this month.

Four signs were reset and 7 new signs were set out this month.

Cooperating Governmental Agencies

Ranger Lindsay and I were given special police commissions by George Larson Chief of Police, Hawaii County, T. H. Since Ranger Davis already had a commission this completes this favor for the ranger force.

Interpretive Service

Ranger Davis conducted a tour for Mr. English, Assistant Editor of Boys Life. Five boy scouts were also in the party.

Davis	1942 Eruption movie	60 visitors
Hjort	" " "	20 "

Research and Observation

The Koa plots were checked this month. No cattle were found in the large plots.

Travel

In spite of almost continuous rain throughout March the travel was much greater than for February. This was due in part to the snow on Mauna Kea in February which caused most island residents to visit Mauna Kea rather than the park.

Police Protection

David Kekuaawela	Speeding	\$15.00 fine
Yoshi Ogomori	"	Warned
Ray A. Otsuka	"	Case has not come up yet
Lt. Com. John D. Casgrove	"	Warned

Mrs. Bernabella D. Abril was caught by Ranger Davis removing native plants. After a lecture she very adroitly replanted the vegetation she had removed.

Five people were apprehended returning from Kalua on the coast with about 300 lbs. of ophi. U. S. Commissioner Harry Irwin turned them loose because the law does not include shell fish in the section dealing with fishing. This is to be covered in a separate report.

H. K. Ichida of Honolulu was caught with a fern stipe at the Lava Tube by Ranger Lindsay. Due to circumstance concerning his procuring the stipe he was warned, lectured, and released by the Superintendent.

Wildlife

Cardinals were observed near quarters 22 on March 8, and a Chinese Thrush was heard near Hubbard's on March 25.

Wildlife (cont'd)

While working on the field wire phone line on Mauna Loa I observed an Iiwi making rapid calls and flying about excitedly. By creeping closer I observed the Iiwi was attacking another bird. As soon as the other bird would light on a branch of the mamani tree where the activity all took place the Iiwi would swoop down on it, peck and apparently beat it with its wings. The other bird seemed quite groggy and dazed. I could not positively identify the other bird but it had the appearance of a Thrush. I finally got too close, the Iiwi flew away and the other bird also flopped away going only short distances from branch to branch.

Feral Animal Control

<u>Animal</u>	<u>No. eliminated</u>
Cat	2
Dog	1
Mongoose	1
Pigs	24
Goats	1,563

Building Fire Protection

Ten - 50 ft. lengths of 2 $\frac{1}{2}$ inch fire hose were obtained from K. M. C. and installed on the fire truck. All 1 $\frac{1}{2}$ inch hose was removed from the truck as well as a lot of other gear which is of no use to us here. This should give much better volume of water on any building fire.

Miscellaneous

The count taken at Thurston Lava Tube in connection with the duty assigned various members of the staff to protect the fern stipes reveal the following facts:

For the last three days in March there were 44 cars and 180 visitors. This in turn means that in a period of only three days, all of which were week days, 180 contacts were made with people interested enough in Hawaii National Park to stop at the Lava Tube and look around. The good done in protecting the ferns of course cannot be measured in dollars and cents but without this annual protection the completion of the vegetation in this area would undoubtedly be changed to an undesirable hue.

On the other side of the ledger there were 54 cars with 142 occupants who did not stop at the tube. Three days are not enough to use this figure to ascertain what percent of the visitors stop at the Lava Tube.

Miscellaneous (cont'd)

Following a letter to the Superintendent notifying him there were 40 or more head of Kapapala Ranch horses in the Mauna Loa strip and a letter by the Superintendent to C. Brewer & Co. notifying them of the same the horses in question were all removed as far as we have been able to see on about 6 trips up the Mauna Loa road.

Frank A. Hjort,
Chief Ranger.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE



HALEAKALA SECTION

April 1, 1948

Memorandum to the Superintendent
Subject: Haleakala Section Monthly Report for March, 1948.

Weather Conditions

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On March 8, Superintendent F.R. Oberhansley and Park Foreman H. Quick arrived to make an inspection of the Haleakala Section. Accompanying them was Mr. S. Kawasaki who commenced the much-needed repairs on the ranger's quarters.

Maintenance

Maintenance activities consisted mostly of repairs and redecoration of the ranger's quarters and ~~the installation of diesel oil burners in each of the quarters in the CCC buildings.~~ The broken canoe was replaced in the Holua cabin and canoe has been cut for replacement in the other cabins. Some time was spent on trail repairs and a portion of the road was striped. As laborer C.K. Hamili was on leave during a greater part of the month, the ranger division took care of the only road maintenance, the removal of rocks. *Maint to Crater Cabins -*

Concessioner

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Research and Observation

Some observations have been made on the goat problem here and will be included in a separate report on that subject.

The silversword seeds planted in January have not germinated.

General Status

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The monthly fire hazzard inspection of the Haleakala Mountain Lodge was made and conditions were found to be satisfactory.

Publications

No sales of books (Hawaii Natural History Association) were made during the month.

Destruction of ^{Feral} Predatory Animals

During March, 58 goats were destroyed.

Respectfully submitted,

Richard J. Hartesveldt,
Acting District Ranger.

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April 9, 1948.

MEMORANDUM for the Superintendent.

Subject: Monthly report for March, 1948.

Maintenance

The road crew sent to Maui in February completed the assignment of repairing storm damage to the Haleakala road and they returned to park headquarters on March 5.

show repair to crater cabins
We laid off all WAE employees for a period of 30 days to meet Civil Service regulations that they must have a break in service each year. During this lay-off major repairs on equipment were done so as to insure this equipment being in first-class shape when put back into operation.

Construction

glass cover
A new ~~shrine~~ of a better design was constructed over the footprints in the Footprint area to protect the footprints from vandalism and water damage caused by condensation on the glass of the former structure.

Quarters Rehabilitation

Rehabilitation of ranger quarters at Haleakala was completed and the carpenter sent over to that work returned to park headquarters.

Rehabilitation of Quarters 24 and 25 at headquarters area was also accomplished, the latter being completely refinished inside, floors sanded, new linoleum installed. Rehabilitation of Quarter 19 was started.

Cabins in the ^{Hul} crater were given some needed rehabilitation in the way of new canvas.

Herbert J. Quick,
Foreman, Const-Main.

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

April 2, 1948

MEMORANDUM for the Superintendent.

SUBJECT: Narrative Report for March, 1948 of Assistant to Superintendent
and Acting Resident Engineer Benjamin F. Moomaw, Jr.

Special Activities

The undersigned was on his first annual leave since his return from Military Furlough during the month as indicated below:

March 3 - 5	2 1/2 days
March 15 - 28	10 days

Except as noted below all other time was expended on routine work.

Maps, Plans and Surveys

The annual revision of the PCP and Priority Lists ^{was} completed during the month and mailed on the 31st.

Cooperating Government Agencies

9th and 10th were spent in Hilo in conference with USED and other Army officials in regard to Excess Property released as a result of the completion of the Hilo Breakwater.

A large quantity of supplies such as lumber, jack bits and drill steel were secured without paper work or exchange of funds. This was the result of the fact that this construction job inherited large quantities of unrecorded residual material from other Army Agencies as they closed up between V-J Day and the completion of this construction.

The CO of Kilauea Military Camp cooperated ^{to} in the fullest in securing equipment from the USED for joint use between KMC and the Park.

Protection

The undersigned aided the other uniformed staff members in standing watch at the Lava Tube in order to protect the ferns from vandalism during this critical period.

Benjamin F. Moomaw, Jr.
Asst. to Superintendent.

10-23
(May 1922)

6-7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii NATIONAL PARK

FILE NO.

Superintendent's Narrative Report

for February, 1948

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

March 9, 1948.

Summary of February 1948 6-page Narrative Report for
Hawaii National Park

Weather conditions, p.1.- Precipitation at Kilauea 7.20" and at Haleakala 5.14".
Maximum and minimum temperatures at Kilauea 72° and 34°; at Haleakala 63° and 34°. Severe thunder storms throughout the month at Kilauea disrupted telephone system.

Special Activities, p.1.- Superintendent returned from mainland Feb.19. When in Honolulu conferred with PRA regarding proposed realignment of the Hilo approach road; also attended annual board meeting of Hui-O-Pele.

Interpretation, Research & Observation, p.2.- Total earthquakes recorded in February 33 on Mauna Loa and 27 at Kilauea. Park Naturalist Powers left on the 21st for a 3-month vacation on mainland. Regularly scheduled programs carried out.

Museum Activities & Exhibit, p.3.- Work completed on temporary display built around the paddle wheels of Dr. Jagger's original "Ohiki" or sand crab. New relief model of Island of Hawaii installed.

Inspections, p.3.- PRA officials inspected major roads of park and portions of the proposed relocation of the Mamalahou Highway.

Approaches to Park, p.3.- Territorial road crew continued to make temporary repairs of Mamalahou Highway between Hilo and park entrance.

Maintenance, p.3.- Owing to damage done on Haleakala road and ranger station by heavy storm last week in January, General Foreman and Equipment Operator and four laborers went to Maui with needed heavy equipment to put road in shape on the 4th and remained until the 8th, with the exception of Foreman who returned after a few days. Ranger station was badly damaged and will have to be rehabilitated.

Ranger Service, p.4.- Owing to damage by heavy storms and lightning, much ranger time in Kilauea had to be spent on telephone line repair.

Concessioners, p.4.- Volcano House submitted plans for an 8-room addition to that hotel.

Accidents, p.5.- Navy vehicle runs off highway into ditch Feb.22 between park headquarters and Hilo entrance. Two occupants suffered severe injuries.

Travel, p.5.- Travel for Kilauea section was lower than for several months past, due to heavy fall of snow on Mauna Kea attracting most Sunday visitors. Travel figures at Kilauea for February, 17,435. Travel increased at Haleakala due primarily to the heavy fall of snow that attracted visitors. Total travel figures for Haleakala 5,974.

Maps, Plans & Surveys, p.6.- Annual revision of the PCF program, including job sheets and priority lists, was started and it is expected to be completed early in March. The Master Plan prospectus for Kilauea section was drafted and completed on the 12th.

Visitors, p.6.- Dr. Carl Skottsberg, Director Botanic Gardens, Gothenburg, Sweden, and others as listed on that page.

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

March 9, 1948.

MEMORANDUM for the Director.

Following is report of activities in Hawaii National Park for the month of February, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 72° and 38°. At Haleakala ranger station these recordings were 63° and 34°. Total rainfall at Kilauea was 7.20" and at Haleakala 5.14".

Several severe thunder storms occurred on Mauna Loa, the first of which melted all the wires in the 8-pair cable from the overhead wires to the Volcano House and 3 pairs in the cable to the park office, thus cutting all outside telephone connections. The next thunder storm melted 3 more wires which had been substituted for the first ones. Hail fell at park headquarters on the 27th and 28th. There were many heavy downpours throughout the month. Snow was visible all month on Mauna Loa.

At Haleakala during the night of the 7th considerable snow fell accompanied by high winds that piled drifts 3 to 4 feet deep above 9,000 elevation. These drifts blocked the road so that cars could not reach the summit observation station. The park gate was closed for an hour and a half on Sunday, the 7th, to enable a road grader to get through and plow out the deep drifts. The road to the top was cleared by Monday noon. The crater was a spectacular sight for the few who got to see it, as snow covered three of the cinder cones from top to bottom. Oldtimers say it was the greatest amount of snow to fall there since 1916.

Special Activities

The Superintendent returned to the park February 19 after being absent on the mainland on official business and annual leave since December 17.

On his return to Honolulu he conferred with Highway Engineer Carlson of ERA concerning the meeting which was held in San Francisco with ERA officials, at which was discussed Mr. Carlson's plans for the proposed realignment of the Hilo approach road.

Also, in Honolulu, the Superintendent attended the annual meeting of the board of directors of Hui-O-Pele where the decision made last year to earmark all funds of the society for museum development purposes in Hawaii National Park was continued in force until the next annual meeting. There is some \$7,000 available in this fund and members of the society are eager to see a start made on the museum project.

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Interpretation, Research & Observation

The total number of earthquakes recorded by the Mauna Loa seismograph in February was 33. The Kilauea instrument recorded 27. Three of the perceptible shakes originated under the southwest slope of Mauna Loa and one under Kilauea. The seasonal change in direction of tilt from northeast to southeast occurred during the middle of December. There was a normal accumulation of southerly tilt during February, while westerly tilt was distinctly less than normal. The rim cracks around Halemaunau that were measured showed but little or no movement.

Both Park Naturalists were on duty until February 21 when Dr. Powers departed for a three month vacation on the mainland. During his absence his duties will be taken over by Assistant Park Naturalist Hubbard.

The regularly scheduled Naturalist activities were carried on throughout the month. On the 9th the park was visited by a group of 30 mainland Eagle Scouts and Scouters, including Amory Houghton, President of the Boy Scouts of America, E. K. Fretwell, Chief Scout Executive, and Frank Barden, Assistant National Director of Program. They were taken on a tour of the park and later attended an illustrated talk on volcanoes.

On two occasions during the latter part of the month, groups of entertainers from the circus which has been in Hilo visited the park. They were taken on conducted tours and given illustrated talks during each visit.

Nine special evening talks, illustrated by motion pictures of the 1933, 1940 and 1942 eruptions of Mauna Loa were given to a total of 199 visitors.

275 aerial photographs of the park headquarters and Chain of Craters areas have been received from the Navy. Some of these have been made into a mosaic by Dr. Powers. They are excellent photographs and show some old trails which had been forgotten, as well as the modern ones. These photographs will be of value not only to the Naturalist and Ranger divisions, but to the Administrative division as well, as they show the recent developments in the headquarters area as well as accurately showing the proposed locations for future developments.

Routine work was carried on in the photo lab, including copying the book Exhibition Techniques, photostatically. We have been unable to get this book but a copy was made available for copying through the generosity of the Yosemite Naturalist staff. Photographs were made of an interesting ohia tree at Kipuka Hano, and at the Thurston Lava Tube.

New Equipment

On Sunday, the 22nd, General Foreman Quick went to Hilo to accept the new International truck as it was unloaded from the SS Hawaii Educator.

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Museum Activities & Exhibits

Work was completed on the temporary display built around the paddle wheels from Dr. Jagger's original "Ohiki" or "sand crab". This exhibit includes photographs of the original trials held in 1927 of a modern army "DUKW" and photostatic copies of the letter which Dr. Jagger received from Gilbert Grosvenor, President of the National Geographic Society, awarding him the Burr prize of \$1000 for his work with amphibious vehicles, of which the Ohiki was the first.

The relief model of the Island of Hawaii, constructed in the Western Museum Laboratories, and located in the lobby of the museum for some time, has been replaced by a new model, cast from the same mold, but painted in distinctive colors to show the source of the lava from the five volcanoes from which the island was formed. Ranger Davis arranged an exhibit of native park insects for the case in the lobby of the Observatory.

Inspections

On the 8th Messrs. Morris and Carlson of PRA inspected the major roads of the park and portions of the proposed relocation of the Mamalahoa Highway. On the 14th they made an inspection of the Haleakala road on Maui.

Approaches to the Park

The territorial road crew continued to make temporary repairs of Mamalahoa Highway between Hilo and the park entrance, resulting in much more pleasant driving conditions than existed two or three months ago. It is hoped that the contractor will soon start the reconstruction of the first 15 miles of this highway.

Maintenance

Rehabilitation work on the Haleakala road was completed and the men returned to headquarters. Plans were formulated for the rehabilitation of the Haleakala ranger station which was badly damaged in the big storm the latter part of January. Protective blocks were installed at all new fire hydrants in headquarters section and all fire hydrants were painted. The one-half yard shovel and caterpillar 12 motor grader were completely overhauled. Sanitation and janitor work were performed during the month.

The Haleakala section had many maintenance problems to face the past month and welcomed Equipment Operator Rayborn and four laborers from headquarters who brought with them a new International dump truck and a bitumal spreader, which equipment will remain permanently there. They also welcomed a permanent laborer assigned from headquarters and since his arrival it is reported the administration area has been cleaned up and the work shop and warehouses cleaned and organized.

The heavy rains caused much trouble with the telephone system and a sleet storm on the 8th caused the power lines to break in a number of places

HAWAII NATIONAL PARK

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Maintenance (continued)

near the summit and the observation station will be without electricity until it is repaired. No work is being done on it because of talk about the Army abandoning that station due to the annual expense of repairs.

New Construction

At Haleakala a new transformer pole has been erected behind the rocky knoll just north of the park utility area and the new power cable has been laid out. It is felt that better electrical service will result in having the transformer so much nearer the ranger station area.

Ranger Service

All patrol telephones were checked and new instruction sheets placed in each phone box. The field wire was laid for the Mauna Loa line. Nearly all other telephone maintenance work was completed.

Two interpretive programs were given at the Observatory by Ranger Davis to a total of 89 visitors. Each program lasted one hour and 15 minutes.

At Haleakala much ranger time was spent on road clearing, trail maintenance, telephone repair, erecting new transformer poles, stringing power cable, shoeing the animals, directing heavy traffic, cleaning out the main water intakes, cleaning the observation station and administration area, painting the park gate, going to town on official business, and meeting the public at sunrise. Approximately 335 people were addressed informally at Sunday sunrises, five talks being given in all.

Park Warden Clifford McCall suffered an injury to his leg when a park horse fell on it while he was training her. Report on this accident has been filed.

Concessions

Plans were received during the month for an 8-room addition to the Volcano House. They were submitted for tentative study.

Hatayama Bus Company revised its schedule for one trip effective only on school days. This trip now leaves at 8:30 AM rather than 8:00 AM for Hilo on Saturdays and Sundays.

Business for the Haleakala Mountain Lodge has been fair throughout the month due to the good dining-room receipts. Registered overnight guests and crater trips have been slack. Bad weather cancelled one crater trip.

Building Fire Protection

The high pressure hose on the fire truck was tested and all the hose from the dismantled fire truck added to it. This about doubles the amount of hose of this type on the truck. All hose passed a pressure test of over 250 lbs.

RECEIVED AS FOLLOWS

Police Protection

T/S John A. Soankson was turned in to his commanding officer at KMC for writing his name on the footprints shrine. He was required to remove his name as well as 11 other names at the shrine.

PFC Donald A.S. Zane, KMC, was charged with heedless and reckless driving in the county court. He received a suspended sentence of 15 months and had his driver's license taken from him for that length of time.

Ranger Davis warned several traffic violators and one group for picking native vegetation.

Accidents

An accident involving a Navy vehicle occurred on the 22nd between Park headquarters and the Hilo entrance. On the 21st two civilian vehicles collided near the Kau entrance. Full reports have been made on each accident.

Exotic Animal Control

During the month the contractor removed by drive 244 goats from the Kilauea section. In addition, 133 goats were destroyed, together with 21 pigs, 1 cat, 3 mongooses, and 1 rat.

Insects and Tree Diseases

Two boxes of moths collected from the light trap were recently identified and returned by Dr. O. H. Swezey of Hawaii Sugar Planters Association. Several new species were in the lot sent in by Ranger Davis.

Cooperating Government Agencies

The U. S. Engineer Corps of Kahului, Maui, assisted our road repair at Haleakala by loaning us a road grader. The Maui police force assisted in handling the heavy traffic of snow enthusiastic people on Sunday, the 8th.

Cooperating Non-Government Agencies

Radio Station KMVI was helpful in holding down traffic until the roads at Haleakala could be cleared of snow on the 8th and 9th. The Maui Electric Company furnished the park with sufficient transformer oil to fill the new transformer to the required level. Concessioner von Tompaly and one of the other Lodge employees volunteered their help in erecting the new transformer pole.

Increase or Decrease in Travel

Travel figures for the Kilauea section for February were lower than for several months past. The heavy fall of snow on Mauna Kea caused most of our usual visitors to go to see the snow there. Local authorities report over 2,000 people on Mauna Kea on one Sunday. That same Sunday we had very few visitors. On the other hand, at Haleakala the heavy snow over there increased

RECEIVED AS FOLLOWS

the visitor count considerably over the previous month. Total travel figures for Kilauea section for February amount to 17,435; at Haleakala, 5,974.

On Sunday, the 29th, Assistant to the Superintendent Moomaw made his initial trip up Mauna Kea since the end of the war and came back very enthusiastic about the possibilities the Territory has on the site of this volcano for recreation for the public. He believes that the ease of access to snow and ice for the general public on this island as found on Mauna Kea will relieve future pressure for a road up Mauna Loa.

Maps, Plans & Surveys

The annual revision of the FOP program, including both job sheets and priority lists, was started and it is expected to be completed early in March.

The Master Plan prospectus for the Kilauea section was drafted and completed on the 18th.

Natural History Association

Work is continuing on the map of the Kilauea section and the Island of Hawaii, in conjunction with Mr. George Armitage of Hawaiian Service.

A new series of colored photographs of various scenes in the Islands was recently received from Hawaiian Service. These include excellent photographs of Haleakala, Mauna Kea from Hilo Bay, and the 1940 Mauna Loa eruption. They are about 7x10" in size, and sell for 15¢ each.

General Publicity

The park came in for its share of undesirable publicity for a few days following the discovery of a double suicide in the park near Uwekahuna on the 18th. Special report was submitted on this unfortunate affair.

Visitors

4th- Dr. Carl Skottsberg, Director Botanic Gardens, Gothenburg, Sweden;
Dr. Folke Fagerlin, University of Stockholm, Sweden;
Dr. Tuttle, Editor Pacific Science;
8-9 Mr. Frank R. Carlson and Mr. Charles F. Morris, PRA
Mr. J. Howard Pew, President Shell Oil Co., and wife;
Consul General Modesto Farolan and family, Philippines.

Benjamin F. Moomaw, Jr.,
Assistant to Superintendent.

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



March 1, 1948

Memorandum to the Superintendent

Subject: Haleakala Section Monthly Narrative Report for February, 1948.

ganh.
3/5/48

Weather Conditions

February weather has been enjoyable with very few totally cloudy days. During the night of February 7, considerable snow fell and was accompanied by high winds that drifted the snow three and four feet deep above 9,000 feet elevation. These drifts blocked the road so that cars could not reach the summit observation station. The park gate was closed for about an hour and a half on Sunday, February 7 to enable us to get a road grader up to plow out the deep drifts. It was also closed for about an hour on Monday morning for the same reason. The road was cleared to the top by Monday noon.

Snow was encountered as low as 7,500 feet along the road. The crater was a spectacular sight for the few that got to see it. Snow covered three of the cinder cones from top to bottom and there was snow on Hanakauhi. Some of the larger drifts still remain. Boy von Tempsky reports this to be the greatest amount of snow to fall here since 1916.

Maximum temperature	63
Minimum temperature	34
Total rainfall	5.14 inches
Clear days	14
Partly cloudy days	11
Cloudy days	4

Inspections

On February 12, Mr. Frank Carlsen, Highway Engineer, Public Roads Administration, and Mr. Chas. Morris, Division Engineer, Public Roads Administration, of San Francisco, made a quick inspection of the Haleakala Road. They made no comments as to its condition.

Complaints

Dr. M. Maytum M.D., a woman, of Denver, Colorado who was spending a night at the Haleakala Mountain Lodge made heavy complaints about the Park and the Lodge to Mrs. F.L. Rayborn and other guests at the Lodge. She had just come from the Hotel Hana Ranch and was complaining about the lack of facilities and services offered. She insisted that it was the duty of park rangers to drive her about the park in a government car and said that she had done it in other parks on the mainland. She was informed that this was against the rules and regulations. Her general attitude was reported as unreasonable and she borrowed an umbrella to walk up to the summit. As she left the park before I found out about the incident, I do not know if she reached the top.

Maintenance

On February 4 we welcomed the following men to Haleakala to work on road damages caused by the heavy January rain: Heavy equipment operator Forest Rayborn, and laborers D. Gamsky, J. Kealoha, Wm. Wehrsig, and M. Galante. They brought with them a new International dump truck and a bitumal spreader both for permanent use at Haleakala. Also welcomed to Haleakala was Micheal Pszyk, a permanent laborer. Since his arrival the administration area has been cleaned up considerably and the work shop and warehouses have been cleaned and organized. ✓

The heavy rains have caused much trouble with the phone system. The Mutual Telephone Company sent a man up to make tests because of trouble on their circuit and he stated that all circuits are grounded. ✓

Sleet which fell on February 8 caused the power lines to break in a number of places near the summit. The observation station will be without electricity until it is repaired. No work is being done on it because of talk about the Army abandoning that station due to the annual expense of repairs. ✓

New Construction

A new transformer pole has been erected behind the rocky knoll just north of the park utility area and the new power cable has been laid out. The project is not yet finished. It is felt that better electrical service will result in having the transformer so much nearer the ranger station area. ✓

Approach to the Park Area

The Territorial road leading up to the park is beginning to break up and no work is being done fix it. ✓

Concessioner

Business for the Haleakala Mountain Lodge has been fair for this month due to the good dining room receipts. Registered overnight guests and crater trips have been slack. Bad weather cancelled one crater trip.

Coöperating Governmental Agencies

The U.S. Engineer Corps of Kahului assisted our road repair program by loaning us a road grader. Not much work was accomplished in the three days we were allowed to keep it because of breakdowns and heavy traffic due to snow. Much credit should be given to Forest Rayborn who drove the grader up here in cold rain and fog and who worked overly hard to get as much done with it as he could in the face of adverse weather and other obstacles.

The Maui police force assisted in handling the heavy traffic of snow-enthusiastic people on Sunday, February 8.

Coöperating Non-governmental Agencies

Radio Station KMVI was helpful in holding down traffic until the roads were cleared of snow on February 8 and 9.

The Maui Electric Company furnished the Park with sufficient transformer

oil to fill the new transformer to the required level. As this was not a stock item, it could not be purchased.

Gordon von Tempsky and one of the other Lodge employees volunteered their help in erecting the new transformer pole.

Travel Status

Heavy snows and five week-ends increased this month's travel count considerably over February, 1947, and over the January count. On Sunday, February 8, 223 cars entered the park to see the deep snow. Cars were jammed and averaged about 5.5 people per car for the first five days of the snow. In spite of heavy traffic and having to turn around on the road, no mishaps occurred.

Visitors

Among the month's visitors was Mr. J. Howard Pew, president of Shell Oil Company, and his wife, and Philippine consul-general Modesto Farolan and his family of Honolulu.

Ranger Service

Ranger time was spent on road clearing, trail maintenance, phone repair, erecting the new transformer pole, stringing the power cable, shoeing the animals, directing heavy traffic, cleaning out the main water intakes, cleaning the observation station and administration area, cleaning and organizing the workshop and warehouses, painting the park gate, going to town on official business, and meeting the public at sunrise. Approximately 335 people were talked to informally at Sunday sunrises.

5 talks - 335

Accidents

Park Warden C.S. McCall injured his leg when a park horse, Maggie, fell on it while he was training her. A park truck was slightly damaged in a collision with a civilian car. Reports on both accidents have been filed.

Publications

The Haleakala Mountain Lodge began handling publications for the Hawaii Natural History Association this month and to date has sold three copies of "Volcanoes Declare War", four copies of the "Hilo Women's Club Cook Book", and two copies of "Plants of Hawaii National Park".

Respectfully submitted,

Richard J. Hartesveldt
Richard J. Hartesveldt,
Acting Ranger-in-Charge.

March 5 1948

Monthly Report of the Hawaiian Volcano Observatory for February.

33/27
The Observatory seismographs recorded 35 earthquakes during the month. This is close to the monthly average for the past year. Eight more shakes were recorded at Mauna Loa than at Kilauea. Three of the perceptible shakes originated under the southwest slope of Mauna Loa and one under Kilauea.

The seasonal change in direction of tilt from northeast to southwest occurred about the middle of December. There was a normal accumulation of southerly tilt during February while westerly tilt was distinctly less than normal.

The rim cracks around Halemaumau that were measured showed but little or no movement.

Work of R H Finch

Seismological routine and correspondence took up most of my time. Several hours were spent in the library looking over material of questionable value.

Work of B J Loucks

In addition to assisting in seismological routine and working on tilt meters he spent three days on jobs for the Park Naturalist and Foreman Quick.

R H Finch

Volcanologist

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

March 3, 1948

Narrative Report for February, 1948, of Asst. to Supt. Moomaw.

Special Activities

The undersigned continued in the position of Acting Superintendent until Feb. 19 when Supt. Oberhansley returned from his trip to the west coast.

Special activities during the month were as follows:

The Master Plan prospectus for the Kilauea section was drafted and completed on the 12th. General Equipment Operator Rayborn with a crew of four men and necessary equipment were despatched to Haleakala section via IST on the 3rd to effect emergency repairs to the road in that section resulting from the heavy storm and rains last week of January. On the 19th proceeded to Hilo to meet the Oberhansleys on their return. We were very glad to have them back and feel that the boss was satisfied with the progress of work accomplished in all departments of the park during his absence.

Sunday, the 22nd, General Foreman Quick went to Pier 1 at Hilo to accept the new International truck as it was unloaded from the SS Hawaii Educators.

Sunday, Feb. 29, with my family I made my initial trip up Mauna Kea since the end of the war and am quite enthused about the possibilities the Territory has on the site of this volcano for recreation for the public. I believe that the ease of access to snow and ice for the general public on this island will relieve future pressure for a road up Mauna Loa, and also eliminate a certain type of undesirable visitors to the park.

Inspections

On the 8th Messrs. Morris and Carlson of PRA inspected the major roads of the park and portions of the proposed relocation of the Mamalahoe Highway in company with the undersigned and Mr. Quick.

Maps, Plans and Surveys

The annual revision of the POP program, including both job sheets and priority lists, was started and it is expected to be completed in early March.

General Publicity

We came in for our share of undesirable publicity on the few days following the discovery of the double suicide near Uwekahuna on the 18th. Special report was submitted on this unfortunate affair.

Approaches to the Park

The territorial road crew has continued to make temporary repairs of Mamalahoa Highway between Hilo and the park entrance, resulting in much more pleasant driving conditions than existed two or three months ago. It is hoped that the contractor will soon start the reconstruction of the first 15 miles of this highway.

Concessioners

Plans were received during the month for an 8-room addition to the Volcano House. They were submitted about the middle of the month for tentative study.

Hatayama Bus Co. revised its schedule for one trip effective only on school days. This trip now leave at 8:30 AM rather than 8:00 AM for Hilo on Saturdays and Sundays.

Visitors

On the 4th to 7th Dr. Carl Skottsberg, Director Botanic Gardens, Gothenburg, Sweden; same date Dr. Folke Fagerlind, University of Stockholm, Sweden. Dr. Tuttle, Editor Pacific Science; 8th and 9th Charles F. Morris Chief Engineer Western Division PRA, and Frank R. Carlson, Highway Engineer.

Benjamin F. Moomaw, Jr.
Asst. to Supt.

①

Memorandum to the Supt.

The report of ranger activities for the month of February 1948 is respectfully submitted.

Weather Conditions

Snow was noted at the end of Truck Trail on Mauna Loa on the 11th.

Several thunder storms occurred on Mauna Loa this month. The first of these melted all the wires in the ~~sub~~ 8 pair cable from the overhead wires to the Volcano House and three of the pairs in the cable to the post office thus cutting all outside telephone connections. The next thunder storm melted 3 more wires which had been substituted for the first ones. Thunder storms were ^{also} observed on the last three days of the month. Hail fell at post headquarters on the 27th and 28th. There were many heavy downpours throughout the month.

Snow was visible on the summit of Mauna Loa all month. Once it was below the 10,000 ft. elevation.

Maintenance

All patrol telephones were checked and

2

new instructions sheets placed in each phone box this month.

The field wire was laid for the Mauna Loa line.

Nearly all other tel. maintenance work was completed.

Interpretive Service

Two programs were given at the obs. by Ranger Davis to a total of 89 people. Each program lasted one hour and 15 min.

Increase or Decrease in Travel

Travel figures were lower this month than for several months back. The heavy fall of snow on Mauna Kea caused most of our usual visitors to go to see the snow there. Local authorities report over 2,000 people on Mauna Kea on one Sunday. That same Sunday we had a very few visitors.

Police protection

7/5 John A. Joensen was turned in to his commanding officer at H.M.C. for writing his name on the footprints

shrine. He was required to remove his name as well as all other names at the shrine.

P.F.C. Donald A.S. Zane K.M.C. was charged with heedless and reckless driving in the county court. He received a suspended sentence of ~~12~~¹³ months and had his ~~to~~ drivers license taken from him for the same length of time.

Purges Davis worked several traffic violators and one group for picking out vegetation.

Museum Exhibits

Purges Davis arranged an exhibit of native folk insects for the case in the lobby of the Obs.

Building Fire Protection

The ~~two~~ high pressure hose on the fire truck was tested and all the hose from the ~~the~~ dismantled fire truck added to it. This about doubles the amount of hose of this type on the truck. All hose passed a pressure test of over 250 lbs.

Visitors

Professors C. Scottshery and Dr. Hagerlund noted Swedish botanists visited the park on the 4th, 5th and 6th

Herb Animal Control

Removed or destroyed.

- Goats - 377
- pigs - 21
- cats - 1
- Monkeys - 3
- Dogs - 1

377
 244
 133

Of the total number of goats 244 were owned and paid for by the contractors.

Insects & Tree Diseases

Two boxes of moths collected from the light trap were recently identified and returned by Dr. O.H. Swezey of H.S.P.A. Several new species were in the lot sent in by Ranger Davis.

Accidents

An accident would involving a Navy

5

~~4~~

vehicle occurred on the road between
park headquarters and the Hills entrance.

On the 21st two civilian vehicles collided
near the Ken Entrance. All reports have
been turned in on each accident.

Frankl. Hoyt
Chief Ranger.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HALEAKALA SECTION

March 1, 1948

Memorandum to the Superintendent

Subject: Haleakala Section Monthly Narrative Report for February, 1948.

Weather Conditions

February weather has been enjoyable with very few totally cloudy days. During the night of February 7, considerable snow fell and was accompanied by high winds that drifted the snow three and four feet deep above 9,000 feet elevation. These drifts blocked the road so that cars could not reach the summit observation station. The park gate was closed for about an hour and a half on Sunday, February 7 to enable us to get a road grader up to plow out the deep drifts. It was also closed for about an hour on Monday morning for the same reason. The road was cleared to the top by Monday noon.

Snow was encountered as low as 7,500 feet along the road. The crater was a spectacular sight for the few that got to see it. Snow covered three of the cinder cones from top to bottom and there was snow on Hanakouhi. Some of the larger drifts still remain. Boy von Tempsky reports this to be the greatest amount of snow to fall here since 1916.

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On February 12, Mr. Frank Carlsen, Highway Engineer, Public Roads Administration, and Mr. Chas. Morris, Division Engineer, Public Roads Administration, of San Francisco, made a quick inspection of the Haleakala Road. They made no comments as to its condition.

Complaints

Dr. M. Maytum M.D., a woman, of Denver, Colorado who was spending a night at the Haleakala Mountain Lodge made heavy complaints about the Park and the Lodge to Mrs. F.L. Rayborn and other guests at the Lodge. She had just come from the Hotel Hana Ranch and was complaining about the lack of facilities and services offered. She insisted that it was the duty of park rangers to drive her about the park in a government car and said that she had done it in other parks on the mainland. She was informed that this was against the rules and regulations. Her general attitude was reported as unreasonable and she borrowed an umbrella to walk up to the summit. As she left the park before I found out about the incident, I do not know if she reached the top.

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A new transformer pole has been erected behind the rocky knoll just north of the park utility area and the new power cable has been laid out. The project is not yet finished. It is felt that better electrical service will result in having the transformer so much nearer the ranger station area.

Approach to the Park Area

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Concessioner

Business for the Haleakala Mountain Lodge has been fair for this month due to the good dining room receipts. Registered overnight guests and crater trips have been slack. Bad weather cancelled one crater trip.

Cooperating Governmental Agencies

The U.S. Engineer Corps of Kahului assisted our road repair program by loaning us a road grader. Not much work was accomplished in the three days we were allowed to keep it because of breakdowns and heavy traffic due to snow. Much credit should be given to Forest Rayborn who drove the grader up here in cold rain and fog and who worked overly hard to get as much done with it as he could in the face of adverse weather and other obstacles.

The Maui police force assisted in handling the heavy traffic of snow-enthusiastic people on Sunday, February 8.

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Ranger time was spent on road clearing, trail maintenance, phone repair, erecting the new transformer pole, stringing the power cable, shoeing the animals, directing heavy traffic, cleaning out the main water intakes, cleaning the observation station and administration area, cleaning and organizing the workshop and warehouses, painting the park gate, going to town on official business, and meeting the public at sunrise. Approximately 335 people were talked to informally at Sunday sunrises.

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Publications

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Respectfully submitted,

Richard J. Hartesveldt,
Acting Ranger-in-Charge.

Hubbard's Include in
Naturalists Mo Report

30-

Eighth monthly report of the librarian of the Hawaiian Volcano Observatory and the Hawaii National Park for February, 1948.

During the month of February the library received the following reprint by gift:

"Activity of Paricutin volcano from December 1, 1946 to March 31, 1947."
by Ray E. Wilcox.

The materials in the park naturalist files were examined and sorted in order to facilitate cataloging. Library of Congress cards were ordered for 100 titles. 100 pamphlet boxes were cleaned and prepared for use in shelving cataloged pamphlets.

197 items were accessioned, 293 titles, 42 added copies and 141 added volumes cataloged and classified: 146 with L. C. printed cards, 147 with typed cards. 293 shelf list cards were typed. 200 cards were typed and filed in the catalog. 476 items were marked and shelved.

Mary Melton
Mary Melton,
Librarian

The Supt
Moomou. BPM
Zines R.H.S.
Hubbard

10-33
(May 1929)
6-7410

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

FILE NO.

Superintendent's Narrative Report for

January - 1948

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

February 5, 1948.

Summary of January 1948 5-page Narrative Report for
Hawaii National Park

Weather Conditions, p.1. Precipitation at Kilauea 5.32" and at Haleakala 30.89". Maximum and minimum temperatures at Kilauea were 70° and 42°. At Haleakala 67° and 33°.

General, p.1. General progress of work satisfactory. Excessive rainfall at Haleakala section damages road to extent of \$1500.

Special Activities, pp.1-2. Asst. Supt. in Honolulu 11th to 13th completing transaction with War Assets for sea sled acquired for Everglades Nat'l Park which was shipped on SS Governor Brandon direct to Mobile on the 17th. Senator Gordon and party conducts statched investigation on 17, 18, 19. Mr. and Mrs. A. M. Fraser of Mount Rainier Company shown attention on their arrival in Hilo.

Interpretation, Research & Observation, p.2. Total number earthquakes recorded by Mauna Loa seismograph, 29; at Kilauea 26. Study of detailed distribution of rainfall in park thoroughly reviewed. A start toward obtaining an airphoto map of the entire park area has been made thru the assistance of the Navy.

Road Damage, p.3. Torrential rain damages Haleakala road; sections of pavement ripped out, culverts choked, slides covered road with rocks. Estimate \$1500 for repairs.

Ranger Service, p.3. Ranger Hartosveldt was sent to Haleakala to relieve Ranger Lindsay who has returned to Kilauea. Park Warden McCall returned to Maui.

Exotic Animal Control, p.3. 263 goats destroyed in Kilauea section and 21 pigs. At Haleakala 9 goats were destroyed.

Approaches to the Park, p.3. Territorial Highway Dept. sent out bids for the reconstruction of 15 miles of road from Hilo to Mountain View.

Cooperating Government Agencies, p.4. Public Health Service continued to sample park water for bacteriological analysis. Opportunity given to secure certain material and supplies at close of breakwater job in Hilo.

Public Health, p.4. Water system chlorinated several times during month. Mobile X-Ray Unit of Tuberculosis Society X-rayed chests of all employees of park and hotel.

Complaints, p.4. School teacher complained she was humiliated when the rangers reprimanded her for taking plant specimens in the park without a permit.

Visitors, p.5. As listed on that page.

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

February 5, 1948.

MEMORANDUM for the Director.

Following is report of activities in Hawaii National Park for the month of January, 1948:

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 70° and 42°. At Haleakala ranger station these recordings were 67° and 33°. Total rainfall at Kilauea was 5.32" and at Haleakala 30.69".

Heavy rains, thunder storms, and snow on Mauna Loa and Mauna Kea, with ice reported as low as the end of the Mauna Loa truck trail occurred this month.

General

In general January was a good month from the viewpoint of park activities, several small jobs being completed or initiated. While at a glance no appreciable progress may be noted, in the aggregate we are most pleased with results.

A Kona storm resulting from a typhoon centering some thousand or fifteen hundred miles west of the Islands caused heavy rainfall throughout the whole territory. Excessive amounts falling in the Haleakala section between the 24th and 27th caused about \$1500 damage to the upper reaches of the Haleakala road.

Special Activities

The Acting Superintendent was in Honolulu from the 11th through the 13th completing the transaction with War Assets for the sea sled that was acquired for Everglades National Park. Shipping arrangements were completed while on this trip and the sea sled departed via SS. Governor Brandon direct to Mobile on the 17th.

Senator Gordon of Oregon and his party conducted a statehood investigation on this island on the 17th, 18th, and 19th. A dinner meeting at the Volcano House was included in this program and attended by the Acting Superintendent and Mr. Nicholas Lycurgus as local official guests. Mr. Lycurgus and the undersigned were the only two present other than the senator's party that were not elected officials of the territory or county.

On the 24th the Acting Superintendent was in Hilo to meet Mr. and Mrs. A. M. Fraser and get them started on their tour of this island. Mr. Fraser

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Special Activities (continued)

is a friend of Regional Director Tomlinson and Secretary and Treasurer of the Mount Rainier Company.

Sunday, the 4th, the Acting Superintendent, with Mrs. Moomaw, attended the reception held by the joint meeting of the Lions Club of this island to honor International President Fred W. Smith.

Interpretation, Research & Observation

The total number of earthquakes recorded by the Mauna Loa seismograph in January was 29. The Kilauea instrument recorded 26. The excess of the Mauna Loa number was due to the fact that a few very small Mauna Loa shakes were not recorded at Kilauea. Of the five perceptible shakes felt during the month four originated under Mauna Loa and one under Kilauea. Landslides from the walls of Halemauau were especially frequent from January 15 to 18 inclusive. The accumulation of south-southwest tilt in January was about normal for this season of the year.

The Naturalist staff was on duty throughout the month in the Kilauea section. The study of detailed distribution of rainfall throughout the Kilauea-Mauna Loa section of the park which has been in process for about 8 years was thoroughly reviewed. Temporary rain gages have been maintained at critical points for periods not less than 15 months, then moved to another critical point. These short time records are then compared critically with the long time (currently 48 year) record at headquarters, giving a good comparison of rainfall conditions throughout the park.

A start toward obtaining the highly desirable airphoto map of the entire park area has been made through the assistance of the Navy. Strips were taken of the upper end of the Puna Rift area, including the Chain of Craters road and extending to the coast line across the proposed Kalapana Extension of the park. Air photos are indispensable in the study of the younger lava flows (prehistoric), and in the study of distribution and age of vegetation types in the park.

On the 6th Assistant Park Naturalist Hubbard accompanied Park Ranger Hartesveldt to the research plot which has been set aside in the southwest corner of the park for the purpose of studying goat food habits. A number of salt blocks had been taken in previously by Ranger Hartesveldt, but no evidence was found that the goats were making use of the salt. Definite evidence was found that the goats had been driven from the area by unknown persons. This may have had a bearing on the fact that the salt was not being used, or possibly the goats need more time to locate and become used to the salt, as was the case in the Hilina Pali area.

Library Activities

190 items were accessioned, 343 titles, 36 added copies and 95 added volumes cataloged and classified; 343 shelf list cards were typed; 1,039 cards were typed and filed in catalog; 685 items marked and shelved.

RECEIVED AS FOLLOWS

Road Damage

As a result of the Kona storm torrential rains on Maui badly damaged the Haleakala road. Rain fell steadily on the 25th and 26th, producing a total of 24 inches, and as a result the runoff was very heavy. Every ravine was a raging torrent and as many of the culverts could not handle the volume it rushed over the road 6 to 12 inches deep near the ranger station and much deeper up the mountain where sections of the pavement were washed out. Foreman Quick was dispatched on the 27th to appraise the damage. He estimated it would take \$1500 to repair the road.

Maintenance

Telephone repair took a good deal of time this month but results are slowly being shown. The overhead wires across Mamalahoe Highway were removed when the new cable was hooked up.

Ranger Service

Ranger Hartsveldt was sent to Maui to relieve Ranger Lindsay who is now back in Kilauea. Park Warden McCall, who has been serving in Kilauea for some months past, was also returned to Haleakala to assist with the work there.

Exotic Animal Control

During the month the following exotic animals were eliminated from the Kilauea section: Goats, 263; pigs, 21; cats, 1; rats, 1. At Haleakala 9 goats were destroyed.

Insects and Tree Diseases

Ranger Davis reports that Mamani defoliators Megyna virescens are active on young trees in Bird Park and vicinity. Ranger Davis is also keeping an eye on the ohia tree situation along the Chain of Craters.

Approaches to the Park

This office learned informally that bids were sent out by the Territorial Highway Department during January for the reconstruction of the 15 miles of road from Hilo to Mountain View, these bids to be opened March 1.

Concessioners

As a result of request by the management of the Volcano House, the date for submitting their annual financial report was extended to February 15. Mr. Lycourgas stated toward the end of the month that we will easily meet the dead line as extended. Annual statement of other concessioners will be submitted prior to the delayed date line.

Plans were received from the Volcano House on the 31st for submission, study and approval for the construction of their proposed eight room addition.

RECEIVED AS FOLLOWS

Cooperating Government Agencies

The Territorial Public Health Service continued to sample water for bacteriological analysis. Their report for January has not yet been received.

Due to the approaching completion of the breakwater construction at Hilo, the General Superintendent of that job notified jointly the Commanding Officer of KMC and the Acting Superintendent of the park the approximate date on which he intends to cease operations, and advising the two agencies to come down and see what supplies and materials and equipment on hand there that could be transferred without exchange of funds. Lt. Jeffers and General Foreman Quick have made tentative selections of material to be secured, such as lumber, machine parts, equipment, asphalt, and other miscellaneous supplies that both agencies will be delighted to get.

At the request of the 7th Air Force, Lyman Field, the park let them have a dump truck for several days in order to complete one or two minor jobs they had to do.

Public Health

The water system was chlorinated several times during the month while water was being pumped from reservoir to storage tanks.

On the 15th the Mobile X-ray Unit of the Tuberculosis Society was in the park for four hours giving free X-ray chest service to all residents or employees of the park and hotel and their families that had not received chest X-rays within the past few months or so. However, for one reason or another, several members of the community missed their chance while the unit was here but were covered several days later when the unit was at Olaa.

Safety

The Safety Committee hold its regular meeting on the 26th and a general meeting of all employees was held on the 30th, at which time matters of general safety and employees welfare were considered - particularly in relation to construction work and motor vehicle driving.

General Publicity

The park received through the local newspapers excellent coverage of the visit of Senator Cordon and his party during the statehood investigation mentioned above.

Complaints

A complaint was turned in by a Miss Rose Titus, school teacher at Pahala. According to her letter the rangers have humiliated her. This was her reaction to a reprimand for taking plant specimens without a permit and causing trouble by requesting special privileges every time she visited the park.

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Visitors

- Jan. 5-6 Fred W. Smith, International President of Lions International, and party consisting of the local district governors and deputy governors.
- 17-18 Senator and Mrs. Guy Cordon, Judge Wimberly, and other members of the senate statehood investigating party.
- " All county and territorial elected officials residing on the Island of Hawaii.
- " Mr. Joe Farrington, Delegate to Congress.
- " Capt. Sam Wilder King, USN (Retired), former Delegate to Congress from the Territory of Hawaii.
- 24 Mr. and Mrs. A. M. Fraser, Tacoma, Wash., President and Treasurer Mount Rainier Company.

Benjamin F. Moomaw, Jr.

Benjamin F. Moomaw, Jr.,
Acting Superintendent.

RECEIVED AS FOLLOWS

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

February 4, 1948.

Narrative Report for January, 1948, of Acting Supt. Moomaw.

General

In general January was a good month from the viewpoint of ~~the~~ park activities, several small jobs being completed or initiated. While at a glance no appreciable progress may be noted, in the aggregate we are most pleased with results.

A Kona storm resulting ^{from} a typhoon centering some thousand or fifteen hundred miles west of the Islands caused heavy rainfall throughout the whole territory. Excessive amounts falling in the Haleakala section between the 24th and 27th caused about \$1500 damage to the upper reaches of the Haleakala road.

Special Activities

The Acting Superintendent was in Honolulu from the 11th through the 13th completing the transaction with War Assets for the sea sledge that was acquired for Everglades National Park. Shipping arrangements were completed while on this trip and the sea sled departed via SS. GOVERNOR BRANDON direct to Mobile on the 17th.

Senator Gordon of Oregon and his party conducted a statehood investigation on this island the 17th, 18th and 19th. A dinner meeting at the Volcano House was included in this program and attended by the Acting Superintendent and Mr. Nicholas Lycurgus as local official guests. Mr. Lycurgus and the undersigned were the only two present other than the senator's party that were not elected officials of the territory or the county.

On the 24th the Acting Superintendent was in Hilo to meet Mr. and Mrs. A. M. Fraser and get them started on their tour of this island. Mr. Fraser is a friend of Regional Director Tomlinson and Secretary and Treasurer of the Mount Rainier Company.

Sunday, the 4th, with Mrs. Moomaw attended the reception held by the joint meeting of the Lions Club of this island to honor International President Fred W. Smith.

Inspections

As a result of the Kona storm and incidental damage to the Haleakala road, General Foreman Quick was sent to Maui to appraise and estimate the damage to the road. Mr. Quick returned in late afternoon on the 29th.

General Publicity

The park received through the local newspapers excellent coverage of the visit of Senator Gordon and his party during the statehood investigation mentioned above.

Approaches to the Park

This office learned informally that bids were sent out by the Territorial Highway Dept. during January for the reconstruction of the 15 miles of road from Hilo to Mountain View, these bids to be opened March 1. We sincerely hope that the contractors will be on this road shortly after that date.

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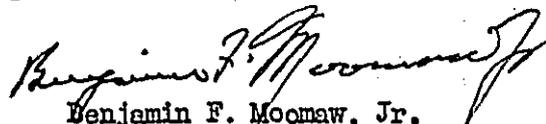
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Benjamin F. Moomaw, Jr.
Acting Superintendent.

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



February 1, 1948

Memorandum to the Superintendent
Subject: Haleakala Section Monthly Narrative Report for January, 1948.

The undersigned arrived at the Haleakala Section of Hawaii National Park on January 7th to assume temporary duties as ranger-in-charge. Chief Ranger Frank Hjort spent three short days going over work projects, administrative details, etc. with the new acting ranger-in-charge.

Weather Conditions

Most of January was pleasant with considerable sunshine and enjoyable, cool, crisp days. The lowest temperature recorded was 33 degrees. A small bit of snow fell on the evening of January 24, however, heavy rains melted most of it by noon of the following day. Rain came down steadily on January 25 and 26 until 24 inches had fallen. This was preceded by 2 inches of rain on each of the two previous days which saturated the ground. The runoff was very heavy as a result. Every ravine was a raging torrent and by Monday noon, many of the culverts could not handle the water and it rushed over the road 6" to 12" deep near the ranger station and possibly much deeper up the mountain where sections of the pavement were washed out.

On Tuesday morning, January 27, there was 4" of snow around the observation station and 8" to 10" of snow on Red Hill. On the evening of January 30, about an inch of fine fluffy snow fell on the summit. Small amounts of snow were encountered down to the 8,000' marker along the road and almost that far into the crater. Most of it melted that day.

Maximum temperature	67
Minimum temperature	33
Rainfall, total	30.89 inches
Clear days	15
Partly cloudy days	12
Cloudy days	4

Inspections

Park Foreman Herbert Quick made an inspection of the rain damage to the road and the Halemau Trail on January 28 and 29 to ascertain how much material, equipment, and labor would be required to effect the necessary repairs.

Maintenance

During the early part of the month laborer time was spent mostly in cleaning rocks off the road that had fallen due to frost action. The heavy rain caused tons of boulders, rocks, and dirt to pile up on the road and since then laborer time has been spent entirely on cleaning the road. The

Ranger force assisted in this task.

The pavement was washed in seven places and Park Foreman Quick estimates that a total of 2,000 square yards of pavement will need to be replaced. The road has at no time been closed to traffic and it is not dangerous. However, a precautionary sign was erected near the ranger station.

The Halemau Trail is washed some but no main^tenance work has been done on it yet.

The water reservoir used by the Lodge was filled level with the top of the dam with boulders and dirt and can no longer be used. Just below the dam, the intake pipe to the storage tank was smashed by large rocks.

Photographs of the worst damage will follow this report.

Approach to Park Area

The county road leading up to the Park was not damaged due to the rain and the few slides and silting on the road have already been cleared by county road workers.

Concessioners

Business for the Haleakala Mountain Lodge during January was not up to par. In spite of the existing signs, few people realize that they can get meals there.

The fact that the LST no longer stops on Maui is being felt by the Lodge. Although the von Tempskys have written to Pearl Harbor requesting that it stop on Maui with the possibility that the Lodge could show service personnel a week's vacation on Maui, nothing yet has materialized.

The von Tempskys have graciously invited me to be a meal guest at the Lodge until my family arrives. I have eaten many excellent evening meals there since my arrival.

Interpretive Service

A small black wooden panel has been erected in the summit observation station on which information concerning the National Park Service may be posted. At the present time there is a sheet of typed information concerning the difference between park and forest rangers posted on the panel.

Travel

Travel took a decided jump over January, 1947, but was lower than last month. Two good snow falls brought in many visitors. The number of visitors registered in the summit registration book was 869 for January.

Ranger Service

We were especially glad to have Park Warden Cliff McCall report here for duty on January 29.

Ranger time was spent erecting a pole for a new transformer near the ranger station, cleaning the observation and ranger station, patrolling the road, shoeing the animals, going to town on business, packing firewood into the crater, repairing phone lines, and contacting the public on the summit for Sunday sunrises. Total animal days in the crater for January are 12, of which 6 are park and 6 Lodge.

Building Fire Protection

The monthly fire hazzard inspection of the Haleakala Mountain Lodge was made on January 31. Conditions were found to be satisfactory.

Flora

On January 17, silversword seeds were planted in ten places in the enclosure near the old rest house. Dr. St. John of the University of Hawaii reports that the seeds of the silverswords are viable only for a short while after they have reached maturity so a rather pessimistic view is being taken on the possibilities of germination. It has not been determined whether the rain has washed away the seeds.

Miscellaneous

Soon after my arrival here I was fortunate to have had a spectacular view of Haleakala Mountain from the top of the island of Kahoolawe. I was the guest of Mr. Glen H. Fredholm of Kahului on his 40 ft. fishing boat.

Control of Exotic Animals

During January, 9 feral goats and no pigs were destroyed.

Respectfully submitted,

Richard J. Hartesveldt
Richard J. Hartesveldt
Acting Ranger-in-Charge

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

15944
RECEIVED
FEB 4 - 1948
HAWAII NATIONAL PARK
February 3, 1948

Memorandum to the Superintendent

Subject: Supplement to the Haleakala Section monthly narrative report for
January, 1948

Enclosed are the photographs taken of the storm damage and snow in
late January, 1948.

The photos arrived too late to be included with the report itself.

Respectfully submitted,

Richard J. Hartesveldt

Richard J. Hartesveldt
Acting Ranger-in-Charge

RECEIVED
FEB 4 - 1948
HAWAII NATIONAL PARK

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



Sunday, January 25, 1948. Ravine directly above our water shed. Taken before storm was at its worst.



Tuesday, January 27, 1948. Pavement washed from the road.



Above Pavement washed from the road.
One of the worst sections washed.
Tuesday, January 27, 1948



Left Tons of rock and dirt washed
on to the road. Shown are two of the
largest boulders that had to be towed
off with the truck.



Wednesday, January 28, 1948. Smashed intake pipe at Army catchment dam. About eight feet of pipe are gone and the dam is filled with boulders and dirt.



Snow on the summit of Haleakala. About 4" of snow fell on the morning of January 27. Above The observation station. Left White hill.

Haleakala



Tuesday, January 27, 1948! Snow on the road
to the Red Hill Army post. Snow was 8" to 10"
deep near the top.

RECEIVED AS FOLLOWS

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

February 3, 1948

MEMORANDUM to the Acting Superintendent.

The following report of the ranger division for the month of January, 1948 is respectfully submitted:

Weather Conditions

Heavy rains, thunder storms, snow on Mauna Loa and Mauna Kea, and ice reported as low as the end of truck trail were noted this month.

Inspections

The Chief Ranger made a short trip to Maui where inspection of the buildings, and roads was made. Time did not permit a crater trip.

Complaints

A complaint was turned in by a Miss Rose Titus, school teacher at Pahala. According to her letter the Rangers have humiliated her. This was her reaction to a reprimand for taking plant specimens without a permit and causing trouble by requesting special privileges every time she visited the park. Action on this complaint was taken by your office upon my request.

Maintenance

Telephone repair took a good deal of our time this month, but results are slowly being shown. The overhead wires across Mamalahoa Highway were removed when the new cable was hooked up. Telephone service in the immediate headquarters area has improved immensely - there were only two complaints of phones out of order, one by the Chief Clerk when his office phone was accidentally disconnected on the terminal board in the "hot room", the other by Mrs. Loucks when her children pulled the wires out of their residence phone. Both calls were answered and repairs made by the rangers the same day they were turned in.

Colonel Thornburg has a phone temporarily connected directly to the K.M.C. switchboard. It is anticipated that he will move to K.M.C. during February.

Work is progressing satisfactorily on the installation of Hilo phones in various homes. The Hilo phone in the Chief Ranger's residence proved its

Miss Mack
Note in
Report

15766

Maintenance (cont'd)

worth when Haleakala was flooded and several other times when late calls came in.

Captain Card, Signal Officer at K.M.C. left for the mainland this month. It is hoped that his replacement Captain McGraw will be as pleasant to work with as was Captain Card.

Several signs were reset and repaired this month.

The fences of our stock paddocks were all checked and some repair work performed.

One day was spent pumping water from the C.C.C. Camp and our reservoir to the upper tanks.

Interpretive Service

One lecture of 45 minutes duration with the 1942 Eruption film was given by the Chief Ranger to 20 people from the Hotel this month. The picture and talk was being given for some friends from the mainland so word was given other Hotel guests with the result that 20 people came over.

Ranger Service

Ranger R. Hartesveldt was sent to Maui to relieve Ranger J. Lindsay. Lindsay is back at work here now.

Park Warden McCall was also sent back to Haleakala to assist with the work there.

Exotic Animal Control

Eliminated this month.

Kil Goats 263 Pigs 21 Cats 1 Rats 1
Hak - = 9

The contractor removed 186 of these goats and 10 were given to the Army Air Force on Oahu to be used as lawn mowers etc.

A concerted drive to reduce the pig population has resulted in the destruction of as many pigs this month as were removed during all of 1947.

Insects and Tree Diseases

Ranger Davis reports that Mamani defoliators Mecyna viresens are active on young trees in Bird Park and vicinity.

Insects and Tree Diseases (cont'd)

Ranger Davis is also keeping an eye on the ohia tree situation along the Chain of Craters.

Miscellaneous

Routine patrols, seismograph and weather records kept, early and late checks throughout the park continued as usual.

Frank A. Hjort

Frank A. Hjort,
Chief Ranger.

159114

Seventh monthly report of the librarian of the Hawaiian Volcano Observatory and the Hawaii National Park for January, 1948.

During the month of January the library received the following items by gift:

Two reprints from Fred M. Bullard: "The story of El Paricutin." and "Studies on Paricutin volcano, Michoacan, Mexico."

A reprint from Ray E. Wilcox: "Activity of Paricutin volcano from September 18 to November 30, 1946."

Geological society of America. Bibliography and index of geology exclusive of North America, 1945-1946. v. 11. gift of R. H. Finch.

Hawaii (Ter.) Dept. of public lands. Division of hydrography. Bulletin 10 and 11.

190 items were accessioned, 343 titles, 36 added copies and 95 added volumes cataloged and classified: 331 with L. C. printed cards, 12 with typed card. 343 shelf lists cards were typed. 1, 039 cards were typed and filed in the catalog: 941 L. C. printed cards, 98 typed cards. 685 items were marked and shelved. 92 pamphlet boxes were cleaned and prepared for use in shelving cataloged pamphlets.

Mary Melton

Mary Melton, Librarian

R.H.F.

February 5, 1948

Monthly Report of the Hawaiian Volcano Observatory for January, 1948.

The total number of earthquakes recorded by the Mauna Loa seismograph in January was 29. The Kilauea instrument recorded 26. The excess of the Mauna Loa number was due to the fact that a few very small Mauna Loa shakes were not recorded at Kilauea. Of the five perceptible shakes felt during the month four originated under Mauna Loa and one under Kilauea.

Landslides from the walls of Halemaumau were especially frequent from January 15 to 18 inclusive.

The accumulation of south-southwest tilt in January was about normal for this season of the year.

Work of R. H. Finch

The Volcano Letter for the last quarter of the year was completed and sent to the printer. The article for this issue is a review of "The Origin and Development of Craters" by T. A. Jaggar. Routine seismological work, correspondence, and looking over material in the library took up most of my time. Two days were spent on a trip to Oahu to look over trucks and cars of the W.A.A.

Work of B. J. Loucks

His time was taken up as follows:

January 2 - 5 Worked on parts for new tilt meter.
6 Half day for Park Foreman Quick.
6 Half day on Bosch seismograph.
7 On shop equipment.
8 -12 On tilt meters.
13 -14 On Hilo seismograph.
15 On a job for Foreman Quick.
16 -21 On tilt meters.
22 On clock for Hilo seismograph.
23 -30 On tilt meters.
31 Half day measuring cracks and rainfall.

RH Finch
Ruy H. Finch,
Volcanologist.

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1 copy U.S. Geological Survey
1 copy Acting Supt. of Park
1 copy for File

Ray H. Finch,
Volcanologist.